ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

Data Usability Summary Report
for Alpha Analytical Labs
SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, 1 Equipment Blank, and 1 Trip Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

The data package contained the documentation as required by NYSDEC ASP. The proper chain of custody procedures were followed by the samplers. All information appeared legible and complete. The data pack contained the results of volatile analyses for 8 ground water samples, 1 field duplicate, 1 field blank, 1 equipment blank, and 1 trip blank; the results of semi-volatiles, SIM semi-volatiles, pesticides, herbicides, PCBs, and TAL metals for 8 ground water samples, 1 field duplicate, 1 field blank, and 1 equipment blank; the results of general chemistries for 8 ground water samples and 1 field duplicate; and the results of uranium, PFAS, and 1,4-dioxane for four ground water samples, 1 field duplicate, 1 field blank, and 1 equipment blank.

The overall performances of the analyses are acceptable. Alpha Analytical Labs did fulfill the requirements of the analytical methods.

The data are mostly acceptable with some issues that are identified in the accompanying data validation reviews. The following data were qualified:

- The "not detected" volatile result for bromomethane was qualified as "estimated" (UJ) for sample MW-7S because the 1 of 2 percent recoveries for bromomethane was below QC limits, but not below 30% in the aqueous MS/MSD sample.

- The "not detected" volatile results for 1,4-dioxane were qualified as "rejected, unusable" (R) for all 8 ground water samples and the field duplicate because the RRF for 1,4-dioxane was below the allowable minimum in the associated continuing calibration verification sample.

- The "not detected" semi-volatile results for bis(2-chloroisopropyl)ether and hexachlorocyclopentadiene were qualified as "estimated" (UJ) for all sample except sample MW-2S because 2 of 2 percent recoveries for bis(2-chloroisopropyl)ether and hexachlorocyclopentadiene were below QC limits, but not below 30% for the associated aqueous LCS/LCSD.

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- The "not detected" semi-volatile results for 2,4,6-trichlorophenol, 2,4-dinitrophenol, and 2,3,4,6-tetrachlorophenol were qualified as "rejected, unusable" (R) for sample MW-7S because 1 of 2 percent recoveries for 2,4,6-trichlorophenol, 2,4-dinitrophenol, and 2,3,4,6-tetrachlorophenol pyridine were below QC limits and below 30% in the aqueous MS/MSD sample.

- Positive semi-volatile results for phenol were qualified as "not detected" (U) for the following samples because the level reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.

  MW-1S MW-2S MW-4D MW-5S MW-8S DUP

- The "not detected" SIM semi-volatile result for pentachlorophenol was qualified as "rejected, unusable" (R) for sample MW-7S because the 2 of 2 percent recoveries for pentachlorophenol were below QC limits and one below 30% in the aqueous MS/MSD sample.

- The positive SIM semi-volatile results for naphthalene were qualified as "not detected" (U) for samples MW-1S, MW-2S, and MW-7S because the level reported in the samples were not significantly greater than (more than 5 times) the highest associated blank level.

- The positive dissolved and total metal results for manganese were qualified as "estimated" (J) for samples MW-1S, MW-5S, and DUP because the dissolved concentrations were greater than the total concentrations plus 10%.

- The positive dissolved and total metal results for potassium were qualified as "estimated" (J) for sample DUP because the dissolved concentration was greater than the total concentrations plus 10%.

- The positive dissolved and total metal results for copper were qualified as "estimated" (J) for samples MW-3S and MW-8S because the dissolved concentrations were greater than the total concentrations plus 10%.

- The positive dissolved and total metal results for chromium and cobalt were qualified as "estimated" (J) for sample MW-7S because the dissolved concentrations were greater than the total concentrations plus 10%.

- Sample MW-7S reported dissolved iron above the RL and total iron as "not detected". Positive result for dissolved iron was qualified as estimated (J) and the "not detected" total result as estimated (UJ).

- The positive total metal results for barium were qualified as estimated (J) for samples MW-5S and DUP because the relative percent difference for barium was above the allowable maximum for the aqueous field duplicate pair MW-5S/DUP.

- The positive general chemistry results for total kjeldahl nitrogen (TKN) were qualified as estimated (J) for the following samples because the relative percent difference for TKN was above the allowable maximum for the aqueous duplicate sample.

MW-1S	MW-2S	MW-3S	MW-4D
MW-6D	MW-7S	MW-8S	DUP

- The positive general chemistry results for ammonia were qualified as estimated (J) for all 8 ground water samples and the field duplicate because the relative percent differences for ammonia were above the allowable maximum for the aqueous duplicate samples.

- The "not detected" general chemistry results for sulfide were qualified as estimated (UJ) for all 8 ground water samples and the field duplicate because the samples were analyzed beyond USEPA SW-846 holding times.

- The general chemistry results for total dissolved solids (TDS) and bicarbonate alkalinity were qualified as estimated (J) for samples MW-5S and DUP because the relative percent differences for TDS and bicarbonate alkalinity were above the allowable maximum for the aqueous field duplicate pair MW-5S/DUP.

All data that are not qualified rejected (R) are considered usable with estimated (J-, J, or UJ) data associated with a higher level of quantitative uncertainty. Detailed information on data quality is included in the data validation reviews.

Alpha Geoscience: Acronyms and Definitions

Data Validation Acronyms

AA	Atomic absorption, flame technique
BHC	Hexachlorocyclohexane
BFB	Bromofluorobenzene
CCB	Continuing calibration blank
CCC	Calibration check compound
CCV	Continuing calibration verification
CN	Cyanide
CRDL	Contract required detection limit
CRQL	Contract required quantitation limit
CVAA	Atomic adsorption, cold vapor technique
DCAA	2,4-Dichlophenylacetic acid
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenyl phosphine
ECD	Electron capture detector
FAA	Atomic absorption, furnace technique
FID	Flame ionization detector
FNP	1-Fluoronaphthalene
GC	Gas chromatography
GC/MS	Gas chromatography/mass spectrometry
GPC	Gel permeation chromatography
ICB	Initial calibration blank
ICP	Inductively coupled plasma-atomic emission spectrometer
ICV	Initial calibration verification
IDL	Instrument detection limit
IS	Internal standard
LCS	Laboratory control sample
LCS/LCSD	Laboratory control sample/laboratory control sample duplicate
MSA	Method of standard additions
MS/MSD	Matrix spike/matrix spike duplicate
PID	Photo ionization detector
PCB	Polychlorinated biphenyl
PCDD	Polychlorinated dibenzodioxins
PCDF	Polychlorinated dibenzofurans
QA	Quality assurance
QC	Quality control
RF	Response factor
RPD	Relative percent difference
RRF	Relative response factor
RRF(number)	Relative response factor at concentration of the number following
RT	Retention time
RRT	Relative retention time
SDG	Sample delivery group
SPCC	System performance check compound
TCX	Tetrachloro-m-xylene
%D	Percent difference
%R	Percent recovery
%RSD	Percent relative standard deviation

Data Validation Qualifiers Used in the QA/QC Reviews for USEPA Region II

U	=	Not detected. The associated number indicates the approximate sample concentration necessary to be detected significantly greater than the level of the highest associated blank.
R	=	Unreliable result; data is rejected or unusable. Analyte may or may not be present in the sample. Supporting data or information is necessary to confirm the result.
N	=	Tentative identification. Analyte is considered present. Special methods may be needed to confirm its presence or absence during future sampling efforts.
J	=	Analyte is present. Reported value may be associated with a higher level of uncertainty than is normally expected with the analytical method.
J-	=	Analyte is present. Reported value may be biased low and associated with a higher level of uncertainty than is normally expected with the analytical method.
J+	=	Analyte is present. Reported value may be biased high andassociated with a higher level of uncertainty than is normally expected with the analytical method.
UJ	=	Not detected, quantitation limit may be inaccurate or imprecise.

Note: These qualifiers are used for data validation purposes. The data validation qualifiers may differ from the qualifiers that the laboratory assigns to the data. Refer to the laboratory analytical report for the definitions of the laboratory qualifiers.

Polyfluorinated Alkyl Substances (PFAS) Acronyms

PFBA	Perfluorobutanoic acid
PFPeA	Perfluoropentanoic acid
PFHxA	Perfluorohexanoic acid
PFHpA	Perfluoroheptanoic acid
PFOA	Perfluorooctanoic acid
PFNA	Perfluorononanoic acid
PFDA	Perfluorodecanoic acid
PFUnA	Perfluoroundecanoic acid
PFDoA	Perfluorododecanoic acid
PFTriA or PFTrDA	Perfluorotridecanoic acid
PFTeA or PFTA	Perfluorotetradecanoic acid
PFBS	Perfluorobutanesulfonic acid
PFPeS	Perfluoropentanesulfonic acid
PFHxS	Perfluorohexanesulfonic acid
PFHpS	Perfluoroheptanesulfonic acid
PFOS	Perfluorooctanesulfonic acid
PFNS	Perfluorononanesulfonic acid
PFDS	Perfluorodecanesulfonic acid
FOSA	Perfluorooctane Sulfonamide
NMeFOSAA	N-methyl perfluorooctane sulfonamidoacetic acid
NEtFOSAA	N-ethyl perfluorooctane sulfonamidoacetic acid
4:2 FTS or 4:2	1H, 1H, 2H, 2H-perfluorohexanesulfonic acid
6:2 FTS or 6:2	1H, 1H, 2H, 2H-perfluorooctanesulfonic acid or 6:2 Fluorotelomersulfonate
8:2 FTS or 8:2	1H, 1H, 2H, 2H-perfluorodecanesulfonic acid or 8:2 Fluorotelomersulfonate

Qualified Data Section

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N06	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 18:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N06	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N06	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N07	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 18:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N07	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N07	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 18:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N08	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.76	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 19:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N09	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 19:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N10	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 20:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N11	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 20:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N12	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	UJ
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 21:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N13	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 21:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MAG
Lab File ID	: V22240823N14	Instrument ID	: VOA122
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U	
79-01-6	Trichloroethene	ND	0.50	0.18	U	
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U	
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U	
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U	
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U	
179601-23-1	p/m-Xylene	ND	2.5	0.70	U	
95-47-6	o-Xylene	ND	2.5	0.70	U	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U	
100-42-5	Styrene	ND	2.5	0.70	U	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U	
67-64-1	Acetone	ND	5.0	1.5	U	
75-15-0	Carbon disulfide	ND	5.0	1.0	U	
78-93-3	2-Butanone	ND	5.0	1.9	U	
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U	
591-78-6	2-Hexanone	ND	5.0	1.0	U	
74-97-5	Bromochloromethane	ND	2.5	0.70	U	
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U	
98-82-8	Isopropylbenzene	ND	2.5	0.70	U	
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U	
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U	
79-20-9	Methyl Acetate	ND	2.0	0.23	U	
110-82-7	Cyclohexane	ND	10	0.27	U	
123-91-1	1,4-Dioxane	ND	250	61.	U	R

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 15:54
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-01	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 15:54
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-01	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	2.2	5.0	0.92	J	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	2.7	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 15:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-01	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 16:46
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	1.9	5.0	0.76	J
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 16:46
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-02	Analyst	: IM
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	2.0	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 16:46
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 16:39
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-03	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 16:39
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 16:39
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:02
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-04	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:02
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-04	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	1.1	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:02
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:25
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-05	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:25
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-05	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	2.6	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:25
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:47
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-06	Analyst	: EK
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:47
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:47
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:10
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-07	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:10
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-07	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	R
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	R
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	ND	5.0	0.35	U	
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:10
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-07	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U	R

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 19:18
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-08	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 19:18
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-08	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	3.5	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:18
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 19:41
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-09	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 19:41
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-09	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
99-09-2	3-Nitroaniline	ND	5.0	1.2	U	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U	
132-64-9	Dibenzofuran	ND	2.0	0.40	U	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U	
98-86-2	Acetophenone	ND	5.0	0.92	U	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U	
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U	
95-57-8	2-Chlorophenol	ND	2.0	0.65	U	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U	
88-75-5	2-Nitrophenol	ND	10	2.0	U	
100-02-7	4-Nitrophenol	ND	10	1.4	U	
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U	
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U	
108-95-2	Phenol	0.90	5.0	0.35	J	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U	
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U	
86-74-8	Carbazole	ND	2.0	0.31	U	
1912-24-9	Atrazine	ND	10	1.0	U	
100-52-7	Benzaldehyde	ND	5.0	1.1	U	
105-60-2	Caprolactam	ND	10	1.2	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:41
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-10	Date Collected	: 08/20/24 11:35
Client ID	: FIELD BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 20:04
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-10	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:04
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.2	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:04
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-11	Date Collected	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 20:26
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 47503-11	Analyst	: JG
Sample Amount	: 100 ml	Instrument ID	: SV112
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U	UJ
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U	
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U	
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U	
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U	
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U	
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U	UJ
78-59-1	Isophorone	ND	5.0	0.86	U	
98-95-3	Nitrobenzene	ND	2.0	0.20	U	
86-30-6	NDPA/DPA	ND	2.0	0.92	U	
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U	
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U	
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U	
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U	
84-66-2	Diethyl phthalate	ND	5.0	0.76	U	
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U	
92-52-4	Biphenyl	ND	2.0	0.20	U	
106-47-8	4-Chloroaniline	ND	5.0	0.47	U	
88-74-4	2-Nitroaniline	ND	5.0	1.0	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:26
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:26
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/25/24 15:59
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 47503-01	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.07	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.18	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.04	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.06	0.10	0.03	J
85-01-8	Phenanthrene	0.10	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.06	0.10	0.03	J
87-86-5	Pentachlorophenol	0.16	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 09:53
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 47503-02	Analyst	: RP
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.12	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.46	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/25/24 16:32
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 47503-03	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 16:48
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:21
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:38
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/25/24 19:00
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 47503-07	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
83-32-9	Acenaphthene	ND	0.10	0.02	U	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U	
206-44-0	Fluoranthene	ND	0.10	0.03	U	
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U	
91-20-3	Naphthalene	0.06	0.10	0.02	J	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U	
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U	
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U	
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U	
218-01-9	Chrysene	ND	0.10	0.03	U	
208-96-8	Acenaphthylene	ND	0.10	0.02	U	
120-12-7	Anthracene	ND	0.10	0.02	U	
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U	
86-73-7	Fluorene	ND	0.10	0.03	U	
85-01-8	Phenanthrene	ND	0.10	0.04	U	
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U	
129-00-0	Pyrene	ND	0.10	0.04	U	
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U	
87-86-5	Pentachlorophenol	ND	0.80	0.06	U	R
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U	
67-72-1	Hexachloroethane	ND	0.80	0.02	U	

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.04	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 18:11
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 18:27
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-11	Date Collected	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/25/24 18:44
Sample Matrix	: WATER	Date Extracted	: 08/24/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 47503-11	Analyst	: JJW
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.08	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:30
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508272413	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	68.9	150	33.9	J

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:02
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282411	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:58
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508272414	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:31
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282412	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:00
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282413	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:28
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282414	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:57
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282415	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:08
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-05	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:26
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-06	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:45
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-07	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:03
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-08	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:21
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-09	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:40
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-10	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:58
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-11	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:53
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-14	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:12
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-15	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:30
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-16	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:55
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240827a-76	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:56
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-14	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:06
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-15	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:15
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-16	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:24
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-17	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:34
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-18	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:43
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-19	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:53
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-20	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:21
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-23	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:30
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-24	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:39
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-26	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-20	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:50
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-20	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:57
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-44	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:57
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-44	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:10
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20240826a-45	Analyst	: PEG
Sample Amount	: 140 ml	Instrument ID	: PEST20
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-45	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:22
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20240826a-46	Analyst	: PEG
Sample Amount	: 140 ml	Instrument ID	: PEST20
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:22
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-46	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:34
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20240826a-47	Analyst	: PEG
Sample Amount	: 140 ml	Instrument ID	: PEST20
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:34
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-47	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 10:02
Sample Matrix	: WATER	Date Extracted	: 08/25/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11240826a-21	Analyst	: EJL
Sample Amount	: 140 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:02
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-21	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 10:14
Sample Matrix	: WATER	Date Extracted	: 08/25/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 11240826a-22	Analyst	: EJL
Sample Amount	: 140 ml	Instrument ID	: PEST11
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 10:14
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 11240826a-22	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST11
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:47
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-48	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:47
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-48	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 18:59
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 20240826a-49	Analyst	: PEG
Sample Amount	: 140 ml	Instrument ID	: PEST20
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:59
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-49	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:12
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-50	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:12
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 20240826a-50	**Analyst**	: PEG
Sample Amount	: 140 ml	**Instrument ID**	: PEST20
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-11	Date Collected	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 17:21
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8081B	Dilution Factor	: 1
Lab File ID	: 18240826a-31	Analyst	: EJL
Sample Amount	: 140 ml	Instrument ID	: PEST18
Extraction Method	: EPA 3510C	GC Column	: CLPPesticides
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
319-86-8	Delta-BHC	ND	0.014	0.003	U
58-89-9	Lindane	ND	0.014	0.003	U
319-84-6	Alpha-BHC	ND	0.014	0.003	U
319-85-7	Beta-BHC	ND	0.014	0.004	U
76-44-8	Heptachlor	ND	0.014	0.002	U
309-00-2	Aldrin	ND	0.014	0.002	U
1024-57-3	Heptachlor epoxide	ND	0.014	0.003	U
72-20-8	Endrin	ND	0.029	0.003	U
7421-93-4	Endrin aldehyde	ND	0.029	0.006	U
53494-70-5	Endrin ketone	ND	0.029	0.003	U
60-57-1	Dieldrin	ND	0.029	0.003	U
72-55-9	4,4'-DDE	ND	0.029	0.003	U
72-54-8	4,4'-DDD	ND	0.029	0.003	U
50-29-3	4,4'-DDT	ND	0.029	0.003	U
959-98-8	Endosulfan I	ND	0.014	0.002	U
33213-65-9	Endosulfan II	ND	0.029	0.004	U
1031-07-8	Endosulfan sulfate	ND	0.029	0.003	U
72-43-5	Methoxychlor	ND	0.143	0.005	U
8001-35-2	Toxaphene	ND	0.143	0.045	U
5103-71-9	cis-Chlordane	ND	0.014	0.005	U
5103-74-2	trans-Chlordane	ND	0.014	0.004	U

Results Summary
Form 1
Organochlorine Pesticides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:21
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8081B	**Dilution Factor**	: 1
Lab File ID	: 18240826a-31	**Analyst**	: EJL
Sample Amount	: 140 ml	**Instrument ID**	: PEST18
Extraction Method	: EPA 3510C	**GC Column**	: CLPPesticides
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
57-74-9	Chlordane	ND	0.143	0.033	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	9.35	5.75	0.920	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	21.4	2.87	0.769	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	4.03	1.44	0.481	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.75	1.50	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	16.1	1.44	0.424	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.12	1.44	0.252	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	14.4	1.44	0.287	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	14.8	1.44	0.345	
335-67-1	Perfluorooctanoic Acid (PFOA)	132	1.44	0.625	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	4.93	5.75	1.94	J
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	1.27	1.44	0.388	J
375-95-1	Perfluorononanoic Acid (PFNA)	5.76	1.44	0.453	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	40.9	1.44	0.654	
335-76-2	Perfluorodecanoic Acid (PFDA)	4.27	1.44	0.582	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.75	2.23	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.44	0.446	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	1.64	1.44	0.783	
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.44	0.625	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.44	0.330	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	2.08	1.44	0.388	
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.18	1.44	0.776	J
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.44	0.661	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.44	0.539	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.44	0.381	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.75	0.805	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.75	0.905	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.44	0.546	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.75	1.18	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.75	1.18	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.44	0.625	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.44	0.661	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.4	3.38	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:39
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_18	**Analyst**	: AC
Sample Amount	: 556.61 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.4	1.76	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.87	0.410	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.87	0.381	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.87	0.316	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.87	1.70	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.19	2.37	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.9	8.41	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.9	5.67	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	1.21	6.01	0.961	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.55	3.00	0.803	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.50	0.503	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.01	1.57	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.64	1.50	0.443	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.50	0.263	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.16	1.50	0.300	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.31	1.50	0.360	J
335-67-1	Perfluorooctanoic Acid (PFOA)	2.12	1.50	0.653	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.01	2.03	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.50	0.405	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.50	0.473	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	2.19	1.50	0.683	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.50	0.608	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.01	2.34	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.50	0.466	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.50	0.818	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.50	0.653	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.50	0.345	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.50	0.405	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.50	0.811	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.50	0.691	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.50	0.563	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.50	0.398	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.01	0.841	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.01	0.946	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.50	0.571	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.01	1.24	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.01	1.24	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.50	0.653	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.50	0.691	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.0	3.53	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 08:52
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_19	**Analyst**	: AC
Sample Amount	: 532.76 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.0	1.84	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.00	0.428	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.00	0.398	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.00	0.330	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.00	1.77	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.51	2.48	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	37.5	8.78	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	37.5	5.92	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	10.2	5.70	0.912	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	11.9	2.85	0.762	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	3.53	1.42	0.477	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.70	1.49	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	11.2	1.42	0.420	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	1.89	1.42	0.249	
375-85-9	Perfluoroheptanoic Acid (PFHpA)	11.9	1.42	0.285	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	14.4	1.42	0.342	
335-67-1	Perfluorooctanoic Acid (PFOA)	25.7	1.42	0.620	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.70	1.92	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.42	0.385	U
375-95-1	Perfluorononanoic Acid (PFNA)	1.17	1.42	0.449	J
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	4.92	1.42	0.648	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.42	0.577	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.70	2.22	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.42	0.442	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.42	0.776	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.42	0.620	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.42	0.328	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.42	0.385	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.42	0.769	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.42	0.655	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.42	0.534	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.42	0.378	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	5.70	0.798	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	5.70	0.898	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.42	0.541	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	5.70	1.18	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	5.70	1.18	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.42	0.620	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.42	0.655	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	14.2	3.35	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:04
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_20	**Analyst**	: AC
Sample Amount	: 561.47 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	14.2	1.74	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	2.85	0.406	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	2.85	0.378	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	2.85	0.313	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	2.85	1.68	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.12	2.35	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	35.6	8.34	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	35.6	5.62	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	7.26	6.12	0.980	
2706-90-3	Perfluoropentanoic Acid (PFPeA)	9.17	3.06	0.819	
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	2.39	1.53	0.513	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.12	1.60	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	9.87	1.53	0.452	
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	0.674	1.53	0.268	J
375-85-9	Perfluoroheptanoic Acid (PFHpA)	9.02	1.53	0.306	
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	6.54	1.53	0.367	
335-67-1	Perfluorooctanoic Acid (PFOA)	32.8	1.53	0.666	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.12	2.07	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.53	0.413	U
375-95-1	Perfluorononanoic Acid (PFNA)	2.37	1.53	0.482	
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	10.9	1.53	0.696	
335-76-2	Perfluorodecanoic Acid (PFDA)	0.934	1.53	0.620	J
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.12	2.38	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.53	0.474	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.53	0.834	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.53	0.666	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.53	0.352	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	0.765	1.53	0.413	JF
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.53	0.827	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.53	0.704	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.53	0.574	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.53	0.406	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.12	0.857	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.12	0.964	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.53	0.582	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.12	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.12	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.53	0.666	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.53	0.704	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.3	3.60	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_23	**Analyst**	: AC
Sample Amount	: 522.56 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.3	1.88	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.06	0.436	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.06	0.406	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.06	0.337	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.06	1.81	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.65	2.53	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.3	8.96	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.3	6.04	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	1.22	6.09	0.974	J
2706-90-3	Perfluoropentanoic Acid (PFPeA)	1.59	3.04	0.814	J
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	0.518	1.52	0.510	J
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.09	1.59	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	1.46	1.52	0.449	J
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.52	0.266	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	1.23	1.52	0.304	J
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	1.46	1.52	0.365	J
335-67-1	Perfluorooctanoic Acid (PFOA)	2.08	1.52	0.662	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.09	2.06	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.52	0.411	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.52	0.480	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	2.25	1.52	0.693	
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.52	0.616	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.09	2.37	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.52	0.472	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.52	0.830	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.52	0.662	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.52	0.350	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.52	0.411	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.52	0.822	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.52	0.700	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.52	0.571	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.52	0.403	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.09	0.852	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.09	0.959	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.52	0.578	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.09	1.26	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.09	1.26	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.52	0.662	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.52	0.700	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.2	3.58	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 09:55
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_24	**Analyst**	: AC
Sample Amount	: 525.51 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.2	1.86	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.04	0.434	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.04	0.403	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.04	0.335	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.04	1.80	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.61	2.51	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.0	8.90	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.0	6.00	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.22	0.996	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.11	0.832	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.56	0.521	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.22	1.62	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.56	0.459	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.56	0.272	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.56	0.311	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.56	0.373	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.56	0.677	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.22	2.10	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.56	0.420	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.56	0.490	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.56	0.708	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.56	0.630	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.22	2.42	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.56	0.482	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.56	0.848	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.56	0.677	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

CAS NO.	Parameter	ng/l Results	RL	MDL	Qualifier
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.56	0.358	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.56	0.420	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.56	0.840	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.56	0.716	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.56	0.583	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.56	0.412	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.22	0.871	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.22	0.980	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.56	0.591	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.22	1.28	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.22	1.28	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.56	0.677	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.56	0.716	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	15.6	3.66	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:43
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_27	**Analyst**	: AC
Sample Amount	: 514.19 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	15.6	1.90	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.11	0.443	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.11	0.412	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.11	0.342	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.11	1.84	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	7.78	2.57	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	38.9	9.10	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	38.9	6.14	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
375-22-4	Perfluorobutanoic Acid (PFBA)	ND	6.47	1.04	U
2706-90-3	Perfluoropentanoic Acid (PFPeA)	ND	3.24	0.866	U
375-73-5	Perfluorobutanesulfonic Acid (PFBS)	ND	1.62	0.542	U
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	6.47	1.69	U
307-24-4	Perfluorohexanoic Acid (PFHxA)	ND	1.62	0.477	U
2706-91-4	Perfluoropentanesulfonic Acid (PFPeS)	ND	1.62	0.283	U
375-85-9	Perfluoroheptanoic Acid (PFHpA)	ND	1.62	0.324	U
355-46-4	Perfluorohexanesulfonic Acid (PFHxS)	ND	1.62	0.388	U
335-67-1	Perfluorooctanoic Acid (PFOA)	ND	1.62	0.704	U
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	6.47	2.18	U
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.62	0.437	U
375-95-1	Perfluorononanoic Acid (PFNA)	ND	1.62	0.510	U
1763-23-1	Perfluorooctanesulfonic Acid (PFOS)	ND	1.62	0.736	U
335-76-2	Perfluorodecanoic Acid (PFDA)	ND	1.62	0.655	U
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	6.47	2.52	U
68259-12-1	Perfluorononanesulfonic Acid (PFNS)	ND	1.62	0.502	U
2355-31-9	N-Methyl Perfluorooctanesulfonamidoaceti c Acid (NMeFOSAA)	ND	1.62	0.882	U
2058-94-8	Perfluoroundecanoic Acid (PFUnA)	ND	1.62	0.704	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
335-77-3	Perfluorodecanesulfonic Acid (PFDS)	ND	1.62	0.372	U
754-91-6	Perfluorooctanesulfonamide (PFOSA)	ND	1.62	0.437	U
2991-50-6	N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.62	0.874	U
307-55-1	Perfluorododecanoic Acid (PFDoA)	ND	1.62	0.744	U
72629-94-8	Perfluorotridecanoic Acid (PFTrDA)	ND	1.62	0.607	U
376-06-7	Perfluorotetradecanoic Acid (PFTeDA)	ND	1.62	0.429	U
13252-13-6	Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	6.47	0.906	U
919005-14-4	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	6.47	1.02	U
79780-39-5	Perfluorododecanesulfonic Acid (PFDoS)	ND	1.62	0.615	U
756426-58-1	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	6.47	1.34	U
763051-92-9	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	6.47	1.34	U
31506-32-8	N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	1.62	0.704	U
4151-50-2	N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	1.62	0.744	U
24448-09-7	N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	16.2	3.80	U

Results Summary
Form 1
Perfluorinated Alkyl Acids by EPA 1633

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 09/17/24 10:56
Sample Matrix	: WATER	**Date Extracted**	: 09/15/24
Analytical Method	: 144,1633	**Dilution Factor**	: 1
Lab File ID	: SCI05_240917_28	**Analyst**	: AC
Sample Amount	: 494.28 g	**Instrument ID**	: LCMS05
Extraction Method	: EPA 1633	**GC Column**	: Acquity UPLC BEH C18
Extract Volume	: 4000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 3 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
1691-99-2	N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	16.2	1.98	U
377-73-1	Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	3.24	0.461	U
863090-89-5	Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	3.24	0.429	U
113507-82-7	Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	3.24	0.356	U
151772-58-6	Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	3.24	1.91	U
356-02-5	3-Perfluoropropyl Propanoic Acid (3: 3FTCA)	ND	8.09	2.67	U
914637-49-3	2H,2H,3H,3H-Perfluorooctanoic Acid (5: 3FTCA)	ND	40.5	9.47	U
812-70-4	3-Perfluoroheptyl Propanoic Acid (7: 3FTCA)	ND	40.5	6.38	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 11:34
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 1,6020B	**Analyst**	: EJF
Lab File ID	: WG1962883.pdf	**Instrument ID**	: ICPMSQ
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-23-5	Sodium, Total	23.8	1.00	0.293	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/23/24 11:12
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: EJF
Lab File ID	: WG1962883.pdf	Instrument ID	: ICPMSQ
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
7429-90-5	Aluminum, Total	0.00345	0.0100	0.00327	J	
7440-36-0	Antimony, Total	0.00103	0.00400	0.00042	J	
7440-38-2	Arsenic, Total	0.00030	0.00050	0.00016	J	
7440-39-3	Barium, Total	0.09513	0.00050	0.00017		
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U	
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U	
7440-70-2	Calcium, Total	132.	0.100	0.0394		
7440-47-3	Chromium, Total	0.00048	0.00100	0.00017	J	J
7440-48-4	Cobalt, Total	0.00033	0.00050	0.00016	J	J
7440-50-8	Copper, Total	0.00170	0.00100	0.00038		
7439-89-6	Iron, Total	ND	0.0500	0.0191	U	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U	
7439-95-4	Magnesium, Total	15.6	0.0700	0.0242		
7439-96-5	Manganese, Total	0.3799	0.00100	0.00044		
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U	
7440-09-7	Potassium, Total	15.1	0.100	0.0309		
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U	
7440-22-4	Silver, Total	ND	0.00040	0.00016	U	
7440-28-0	Thallium, Total	0.00057	0.00100	0.00014	J	
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U	

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 17:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	0.613	0.0100	0.00327	
7440-36-0	Antimony, Dissolved	0.00054	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00423	0.00050	0.00016	
7440-39-3	Barium, Dissolved	0.00805	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	64.5	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	0.00049	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00071	0.00100	0.00038	J
7439-89-6	Iron, Dissolved	0.238	0.0500	0.0191	
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	0.511	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	1.048	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	0.00328	0.00200	0.00055	
7440-09-7	Potassium, Dissolved	25.0	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	54.8	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	0.01245	0.00500	0.00157	
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 17:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	0.00068	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00019	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.03078	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	99.5	0.100	0.0394	
7440-47-3	Chromium, Dissolved	0.00111	0.00100	0.00017	
7440-48-4	Cobalt, Dissolved	0.00041	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00215	0.00100	0.00038	
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	9.28	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	ND	0.00100	0.00044	U
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	13.7	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	6.82	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	0.00090	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00053	0.00050	0.00016	
7440-39-3	Barium, Dissolved	0.07760	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	90.4	0.100	0.0394	
7440-47-3	Chromium, Dissolved	0.00146	0.00100	0.00017	
7440-48-4	Cobalt, Dissolved	0.00062	0.00050	0.00016	
7440-50-8	Copper, Dissolved	0.00258	0.00100	0.00038	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	7.09	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00464	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	29.2	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	38.0	0.100	0.0293	
7440-28-0	Thallium, Dissolved	0.00025	0.00100	0.00014	J
7440-62-2	Vanadium, Dissolved	0.00295	0.00500	0.00157	J
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.06349	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	21.6	0.100	0.0394	
7440-47-3	Chromium, Dissolved	0.00213	0.00100	0.00017	
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	12.4	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00066	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	1.34	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	51.0	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	0.00385	0.0100	0.00327	J
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.00460	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	6.99	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	1.19	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00590	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	1.08	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	5.16	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	0.00020	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.05466	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	128.	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	0.00044	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00087	0.00100	0.00038	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	22.0	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	3.341	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	27.2	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	36.2	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-07	Date Collected	: 08/19/24 15:55
Client ID	: MW-7S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 17:30
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	0.00064	0.00400	0.00042	J
7440-38-2	Arsenic, Dissolved	0.00020	0.00050	0.00016	J
7440-39-3	Barium, Dissolved	0.08926	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	138.	0.100	0.0394	
7440-47-3	Chromium, Dissolved	0.01138	0.00100	0.00017	J
7440-48-4	Cobalt, Dissolved	0.00054	0.00050	0.00016	J
7440-50-8	Copper, Dissolved	0.00180	0.00100	0.00038	
7439-89-6	Iron, Dissolved	0.0504	0.0500	0.0191	J
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	14.8	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.3930	0.00100	0.00044	
7440-02-0	Nickel, Dissolved	0.00702	0.00200	0.00055	
7440-09-7	Potassium, Dissolved	15.0	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	24.0	0.100	0.0293	
7440-28-0	Thallium, Dissolved	0.00048	0.00100	0.00014	J
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.03807	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	33.3	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	0.00240	0.00100	0.00038	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	3.32	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00088	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	20.6	0.100	0.0309	
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	24.0	0.100	0.0293	
7440-28-0	Thallium, Dissolved	0.00018	0.00100	0.00014	J
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	0.00490	0.0100	0.00327	J
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	0.00464	0.00050	0.00017	
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	6.79	0.100	0.0394	
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	1.18	0.0700	0.0242	
7439-96-5	Manganese, Dissolved	0.00587	0.00100	0.00044	J
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	1.08	0.100	0.0309	J
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	5.17	0.100	0.0293	
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-10	Date Collected	: 08/20/24 11:35
Client ID	: FIELD BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 18:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.pdf	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/26/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.0100	0.00327	U
7440-36-0	Antimony, Dissolved	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Dissolved	ND	0.00050	0.00016	U
7440-39-3	Barium, Dissolved	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Dissolved	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Dissolved	ND	0.00020	0.00005	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0394	U
7440-47-3	Chromium, Dissolved	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Dissolved	ND	0.00050	0.00016	U
7440-50-8	Copper, Dissolved	ND	0.00100	0.00038	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0191	U
7439-92-1	Lead, Dissolved	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Dissolved	ND	0.0700	0.0242	U
7439-96-5	Manganese, Dissolved	ND	0.00100	0.00044	U
7440-02-0	Nickel, Dissolved	ND	0.00200	0.00055	U
7440-09-7	Potassium, Dissolved	ND	0.100	0.0309	U
7782-49-2	Selenium, Dissolved	ND	0.00500	0.00173	U
7440-22-4	Silver, Dissolved	ND	0.00040	0.00016	U
7440-23-5	Sodium, Dissolved	ND	0.100	0.0293	U
7440-28-0	Thallium, Dissolved	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Dissolved	ND	0.00500	0.00157	U
7440-66-6	Zinc, Dissolved	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-01	Date Collected	: 08/19/24 17:00
Client ID	: MW-1S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 13:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.727	0.0100	0.00327	
7440-36-0	Antimony, Total	0.00048	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00478	0.00050	0.00016	
7440-39-3	Barium, Total	0.00780	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	69.1	0.100	0.0394	
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	0.00055	0.00050	0.00016	
7440-50-8	Copper, Total	0.00099	0.00100	0.00038	J
7439-89-6	Iron, Total	0.364	0.0500	0.0191	
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	0.522	0.0700	0.0242	
7439-96-5	Manganese, Total	0.8728	0.00100	0.00044	J
7440-02-0	Nickel, Total	0.00388	0.00200	0.00055	
7440-09-7	Potassium, Total	25.8	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	51.6	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	0.01499	0.00500	0.00157	
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 13:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00558	0.0100	0.00327	J
7440-36-0	Antimony, Total	0.00059	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00027	0.00050	0.00016	J
7440-39-3	Barium, Total	0.03119	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	106.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00114	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00038	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00206	0.00100	0.00038	
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	10.0	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00051	0.00100	0.00044	J
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	14.4	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	7.21	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 13:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	0.00086	0.00400	0.00042	J
7440-38-2	Arsenic, Total	0.00049	0.00050	0.00016	J
7440-39-3	Barium, Total	0.08209	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	94.1	0.100	0.0394	
7440-47-3	Chromium, Total	0.00142	0.00100	0.00017	
7440-48-4	Cobalt, Total	0.00071	0.00050	0.00016	
7440-50-8	Copper, Total	0.00234	0.00100	0.00038	J
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	6.95	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00554	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	31.0	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	37.6	0.100	0.0293	
7440-28-0	Thallium, Total	0.00026	0.00100	0.00014	J
7440-62-2	Vanadium, Total	0.00300	0.00500	0.00157	J
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00508	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.06482	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	22.7	0.100	0.0394	
7440-47-3	Chromium, Total	0.00339	0.00100	0.00017	
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	13.1	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00143	0.00100	0.00044	
7440-02-0	Nickel, Total	0.00112	0.00200	0.00055	J
7440-09-7	Potassium, Total	1.41	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	54.8	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

Form 1
METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00954	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.00833	0.00050	0.00017	J
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	6.72	0.100	0.0394	
7440-47-3	Chromium, Total	0.00018	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	1.13	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00505	0.00100	0.00044	J
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	1.02	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	4.92	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.0251	0.0100	0.00327	
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.05608	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	0.00006	0.00020	0.00005	J
7440-70-2	Calcium, Total	133.	0.100	0.0394	
7440-47-3	Chromium, Total	0.00032	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00045	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00091	0.00100	0.00038	J
7439-89-6	Iron, Total	0.0398	0.0500	0.0191	J
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	22.8	0.0700	0.0242	
7439-96-5	Manganese, Total	3.259	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	28.2	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	34.8	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00376	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	0.00023	0.00050	0.00016	J
7440-39-3	Barium, Total	0.03855	0.00050	0.00017	
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	35.0	0.100	0.0394	
7440-47-3	Chromium, Total	0.00075	0.00100	0.00017	J
7440-48-4	Cobalt, Total	0.00016	0.00050	0.00016	J
7440-50-8	Copper, Total	0.00202	0.00100	0.00038	J
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	3.37	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00263	0.00100	0.00044	
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	20.9	0.100	0.0309	
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	24.0	0.100	0.0293	
7440-28-0	Thallium, Total	0.00016	0.00100	0.00014	J
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-09	Date Collected	: 08/20/24 00:00
Client ID	: DUP	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	0.00455	0.0100	0.00327	J
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	0.00442	0.00050	0.00017	J
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	6.38	0.100	0.0394	
7440-47-3	Chromium, Total	0.00020	0.00100	0.00017	J
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	1.18	0.0700	0.0242	
7439-96-5	Manganese, Total	0.00520	0.00100	0.00044	J
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	0.947	0.100	0.0309	J
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	5.14	0.100	0.0293	
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-10	Date Collected	: 08/20/24 11:35
Client ID	: FIELD BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:36
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	ND	0.00100	0.00044	U
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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METALS

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-11	Date Collected	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/27/24 14:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,6020B	Analyst	: NTB
Lab File ID	: WG1964175.csv	Instrument ID	: ICPMSQ2
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Total	ND	0.0100	0.00327	U
7440-36-0	Antimony, Total	ND	0.00400	0.00042	U
7440-38-2	Arsenic, Total	ND	0.00050	0.00016	U
7440-39-3	Barium, Total	ND	0.00050	0.00017	U
7440-41-7	Beryllium, Total	ND	0.00050	0.00010	U
7440-43-9	Cadmium, Total	ND	0.00020	0.00005	U
7440-70-2	Calcium, Total	ND	0.100	0.0394	U
7440-47-3	Chromium, Total	ND	0.00100	0.00017	U
7440-48-4	Cobalt, Total	ND	0.00050	0.00016	U
7440-50-8	Copper, Total	ND	0.00100	0.00038	U
7439-89-6	Iron, Total	ND	0.0500	0.0191	U
7439-92-1	Lead, Total	ND	0.00100	0.00034	U
7439-95-4	Magnesium, Total	ND	0.0700	0.0242	U
7439-96-5	Manganese, Total	0.00048	0.00100	0.00044	J
7440-02-0	Nickel, Total	ND	0.00200	0.00055	U
7440-09-7	Potassium, Total	ND	0.100	0.0309	U
7782-49-2	Selenium, Total	ND	0.00500	0.00173	U
7440-22-4	Silver, Total	ND	0.00040	0.00016	U
7440-23-5	Sodium, Total	ND	0.100	0.0293	U
7440-28-0	Thallium, Total	ND	0.00100	0.00014	U
7440-62-2	Vanadium, Total	ND	0.00500	0.00157	U
7440-66-6	Zinc, Total	ND	0.01000	0.00341	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 12:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: JWN
Lab File ID	: WG1962903.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 14:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 14:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 14:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 14:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 14:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 15:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 15:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 15:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 15:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

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METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 15:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: DJR
Lab File ID	: WG1963424.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,7470A	**Analyst**	: MJR
Lab File ID	: WG1964330.pdf	**Instrument ID**	: NIC2
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 7470A	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-01	Date Collected	:	08/19/24 17:00
Client ID	:	MW-1S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/27/24 13:00
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	107,-	Analyst	:	MRM
Lab File ID	:	WG1964465.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Total Nitrogen	3.1	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.9	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	3.0	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.55	0.30	0.30	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-05	Date Collected	:	08/20/24 08:30
Client ID	:	MW-5S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/27/24 13:00
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	107,-	Analyst	:	MRM
Lab File ID	:	WG1964465.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Total Nitrogen	1.2	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	2.3	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	6.9	0.30	0.30	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-08	Date Collected	:	08/20/24 11:50
Client ID	:	MW-8S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/27/24 13:00
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	107,-	Analyst	:	MRM
Lab File ID	:	WG1964465.csv	Instrument ID	:	
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Total Nitrogen	0.65	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: MRM
Lab File ID	: WG1964465.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.2	0.30	0.30	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEP
Lab File ID	: NH320240826-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	3.12	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-02	Date Collected	: 08/20/24 10:10
Client ID	: MW-2S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 09:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: KEP
Lab File ID	: NH320240826-A	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Total Kjeldahl	0.346	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-03	Date Collected	: 08/20/24 08:40
Client ID	: MW-3S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 09:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: KEP
Lab File ID	: NH320240826-A	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/23/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
NONE	Nitrogen, Total Kjeldahl	0.240	0.300	0.066	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-04	Date Collected	: 08/20/24 09:55
Client ID	: MW-4D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 09:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: KEP
Lab File ID	: NH320240826-A	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/23/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
NONE	Nitrogen, Total Kjeldahl	0.112	0.300	0.066	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEP
Lab File ID	: NH320240826-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	ND	0.300	0.066	U

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-06	Date Collected	: 08/19/24 17:20
Client ID	: MW-6D	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 09:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: KEP
Lab File ID	: NH320240826-A	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/23/24

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Total Kjeldahl	1.70	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEP
Lab File ID	: NH320240826-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/23/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.322	0.300	0.066	J

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-08	Date Collected	: 08/20/24 11:50
Client ID	: MW-8S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/26/24 09:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: KEP
Lab File ID	: NH320240826-A	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 08/23/24

		mg/l				
CAS NO.	Parameter	Results	RL	MDL	Qualifier	
NONE	Nitrogen, Total Kjeldahl	0.288	0.300	0.066	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 09:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: KEP
Lab File ID	: NH320240826-A	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/23/24

		mg/l				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
NONE	Nitrogen, Total Kjeldahl	0.109	0.300	0.066	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 11:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240826-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	2.83	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 11:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240826-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.093	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 11:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240826-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.161	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240826-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/26/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.076	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 11:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240826-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/26/24

		mg/l				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
7664-41-7	Nitrogen, Ammonia	0.030	0.075	0.024	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240827-D	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	1.99	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240827-D	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.174	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240827-D	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7664-41-7	Nitrogen, Ammonia	0.169	0.075	0.024	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,350.1	**Analyst**	: KEP
Lab File ID	: NH320240827-D	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l				
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**	
7664-41-7	Nitrogen, Ammonia	0.038	0.075	0.024	J	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.6	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	3.0	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.55	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.2	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 05:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.61	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 06:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	6.6	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 06:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.65	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 06:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3240824-A1	**Instrument ID**	: FIA1
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.2	0.10	0.046	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 2
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	390	20	6.1	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	340	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	470	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	310	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-05	Date Collected	:	08/20/24 08:30
Client ID	:	MW-5S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/26/24 04:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG1963687.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	38.	13	4.0	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	580	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-07	Date Collected	:	08/19/24 15:55
Client ID	:	MW-7S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/26/24 04:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG1963687.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	530	13	4.0	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 04:25
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG1963687.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	220	13	4.0	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-09	Date Collected	:	08/20/24 00:00
Client ID	:	DUP	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/26/24 04:25
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG1963687.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	18.	13	4.0	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 10:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	253.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 10:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	127.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 11:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	48.9	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: L2447503-05	Date Collected	: 08/20/24 08:30
Client ID	: MW-5S	Date Received	: 08/20/24
Sample Location	: SPEONK, NY	Date Analyzed	: 08/24/24 11:04
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 240824-1	Instrument ID	: TITR5
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

		mg CaCO3/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	10.5	2.00	NA	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 11:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	278.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 11:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	277.	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 11:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: 240824-1	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	76.4	2.00	NA	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-09	Date Collected	:	08/20/24 00:00
Client ID	:	DUP	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/24/24 11:30
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,2320B	Analyst	:	MRM
Lab File ID	:	240824-1	Instrument ID	:	TITR5
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg CaCO3/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	14.1	2.00	NA	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 07:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: WG1963432.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	21.2	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/24/24 07:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRM
Lab File ID	: WG1963433.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-52-3	Alkalinity, Bicarbonate	55.6	2.00	NA	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.055	0.031	0.012	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.025	0.031	0.012	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.037	0.031	0.012	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.031	0.031	0.012	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.058	0.031	0.012	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.022	0.031	0.012	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.015	0.031	0.012	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: EYA
Lab File ID	: PHOS082724-WG1963968.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 08/27/24

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 13:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.121	0.050	0.013	
16887-00-6	Chloride	49.0	0.500	0.083	
16984-48-8	Fluoride	0.093	0.050	0.037	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 17:41
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	171.	10.0	4.54	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 14:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U
16887-00-6	Chloride	4.44	0.500	0.083	
16984-48-8	Fluoride	0.084	0.050	0.037	
14808-79-8	Sulfate	30.9	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 17:53
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	53.2	5.00	0.839	
14808-79-8	Sulfate	154.	10.0	4.54	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-03	Date Collected	:	08/20/24 08:40
Client ID	:	MW-3S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/23/24 14:16
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG1963098-100-294-295-296	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
24959-67-9	Bromide	0.103	0.050	0.013	
16984-48-8	Fluoride	0.139	0.050	0.037	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:22
Sample Matrix	: WATER	**Dilution Factor**	: 10
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	139.	5.00	0.839	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 14:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U
16984-48-8	Fluoride	0.043	0.050	0.037	J
14808-79-8	Sulfate	9.92	1.00	0.454	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-05	Date Collected	:	08/20/24 08:30
Client ID	:	MW-5S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/23/24 17:29
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG1963098-100-294-295-296	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
24959-67-9	Bromide	ND	0.050	0.013	U
16887-00-6	Chloride	8.12	0.500	0.083	
16984-48-8	Fluoride	ND	0.050	0.037	U
14808-79-8	Sulfate	7.95	1.00	0.454	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 14:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.148	0.050	0.013	
16984-48-8	Fluoride	0.044	0.050	0.037	J

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-06	Date Collected	:	08/19/24 17:20
Client ID	:	MW-6D	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/23/24 19:23
Sample Matrix	:	WATER	Dilution Factor	:	10
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG1963098-100-294-295-296	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
16887-00-6	Chloride	60.5	5.00	0.839	
14808-79-8	Sulfate	123.	10.0	4.54	

Form 1
WETCHEM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG1963098-100-294-295-296	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.117	0.050	0.013	
16887-00-6	Chloride	25.2	0.500	0.083	
16984-48-8	Fluoride	0.040	0.050	0.037	J
14808-79-8	Sulfate	98.6	1.00	0.454	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-08	Date Collected	:	08/20/24 11:50
Client ID	:	MW-8S	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/23/24 15:16
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG1963098-100-294-295-296	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
24959-67-9	Bromide	0.075	0.050	0.013	
16887-00-6	Chloride	24.2	0.500	0.083	
16984-48-8	Fluoride	0.051	0.050	0.037	
14808-79-8	Sulfate	48.3	1.00	0.454	

Form 1
WETCHEM

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Lab ID	:	L2447503-09	Date Collected	:	08/20/24 00:00
Client ID	:	DUP	Date Received	:	08/20/24
Sample Location	:	SPEONK, NY	Date Analyzed	:	08/23/24 15:28
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	44,300.0	Analyst	:	CVN,
Lab File ID	:	WG1963098-100-294-295-296	Instrument ID	:	IC3
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
24959-67-9	Bromide	ND	0.050	0.013	U
16887-00-6	Chloride	8.28	0.500	0.083	
16984-48-8	Fluoride	ND	0.050	0.037	U
14808-79-8	Sulfate	8.14	1.00	0.454	

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-1S Sampled: 8/19/2024 17:00

Sample ID: 24H3611-01

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-2S Sampled: 8/20/2024 10:10

Sample ID: 24H3611-02

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-3S Sampled: 8/20/2024 08:40

Sample ID: 24H3611-03

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-4D Sampled: 8/20/2024 09:55

Sample ID: 24H3611-04

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-5S Sampled: 8/20/2024 08:30

Sample ID: 24H3611-05

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01 UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-6D Sampled: 8/19/2024 17:20

Sample ID: 24H3611-06

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-7S Sampled: 8/19/2024 15:55

Sample ID: 24H3611-07

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: MW-8S Sampled: 8/20/2024 11:50

Sample ID: 24H3611-08

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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Project Location: L2447503 Sample Description: Work Order: 24H3611

Date Received: 8/23/2024

Field Sample #: DUP Sampled: 8/20/2024 00:00

Sample ID: 24H3611-09

Sample Matrix: Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual		Method	Date Prepared	Date/Time Analyzed	Analyst
Sulfide	ND	2.0	1.8	mg/L	1	H-01	UJ	SM21-23 4500S-F	8/27/24	8/29/24 9:30	DET

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-1S **Lab ID: 50381097001** Collected: 08/19/24 17:00 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 17:41		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-2S **Lab ID: 50381097002** Collected: 08/20/24 10:10 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 18:32		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-3S **Lab ID: 50381097003** Collected: 08/20/24 08:40 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 18:50		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-4D **Lab ID: 50381097004** Collected: 08/20/24 09:55 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 19:07		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-5S **Lab ID: 50381097005** Collected: 08/20/24 08:30 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 19:24		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-6D **Lab ID: 50381097006** Collected: 08/19/24 17:20 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 19:42		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-7S **Lab ID: 50381097007** Collected: 08/19/24 15:55 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 20:33		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: MW-8S **Lab ID: 50381097008** Collected: 08/20/24 11:50 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 20:51		

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ANALYTICAL RESULTS

Project: L2447503
Pace Project No.: 50381097

Sample: DUP **Lab ID: 50381097009** Collected: 08/20/24 00:00 Received: 08/27/24 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	1		08/31/24 21:08		

REPORT OF LABORATORY ANALYSIS

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Metals (ICPMS) by Method 200.8

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Uranium	0.110	J	0.0854	1.00	1	09/12/2024 18:23	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Uranium	U		0.0854	1.00	1	09/12/2024 18:27	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
Uranium	0.570	J	0.0854	1.00	1	09/12/2024 17:42	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0854	1.00	1	09/12/2024 18:30	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0854	1.00	1	09/12/2024 18:40	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0854	1.00	1	09/12/2024 18:43	WG2356031

Metals (ICPMS) by Method 200.8

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Uranium	U		0.0854	1.00	1	09/12/2024 18:47	WG2356031

VOC Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8260D Volatiles Data
for Alpha Analytical, SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, 1 Equipment Blank, and 1 Trip Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The BFB tuning criteria were within control limits.

Initial Calibration: The average RRF for 1,1,2-trichloroethane was below the method minimum, but not below 0.010 for GONZO on 07-12-24. The average RRFs for 10 compounds (highlighted yellow on attached Form 6) were below the method minimums, but not below 0.010 for VOA122 on 07-29-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.001 for 1,4-dioxane, 0.010 for all other compounds) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRF for 1,1,2-trichloroethane was below the method minimum, but not below 0.010 on 08-23-24 (VG240823A01). The average RRFs for 11 compounds (highlighted yellow on attached Form 7) were below the method minimums, but not below 0.010 on 08-23-24 (V22240823N01). The %D for bromomethane was above the method maximum on 08-23-24 (VG240823A01). The %Ds for dichlorodifluoromethane, bromomethane, 4-methyl-2-pentanone, and trans-1,3-dichloropropene were above the method maximum on 08-23-24 (V22240823N01). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The %Ds for bromomethane and 1,4-dioxane were above the allowable maximum (20%) on 08-23-24 (VG240823A01). The %Ds for dichlorodifluoromethane, bromomethane, 4-methyl-2-pentanone, and trans-1,3-dichloropropene were above the allowable maximum (20%) on 08-23-24 (V22240823N01). Positive results for these compounds should be considered estimated (J) in associated samples.

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The RRF for 1,4-dioxane was below the allowable minimum (0.001) on 08-23-24 (V22240823N01). Positive results for 1,4-dioxane should be considered estimated and "not detected" results rejected, unusable in associated samples.

Blanks: The analyses of method, trip, field, and equipment blanks reported target compounds as not detected.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples, trip blank, field blank, and equipment blank.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for bromomethane was above the allowable maximum and 2 of 2 percent recoveries for bromomethane were below QC limits, but not below 30% for aqueous MS/MSD sample MW-7S. The "not detected" result for bromomethane should be considered estimated (UJ) in sample MW-7S.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum and the percent recoveries (%Rs) were within QC limits for aqueous samples WG1963652-3/4.

The %Rs for target compounds were within QC limits, but the RPD for methyl acetate was above the allowable maximum for aqueous samples WG1963895-3/4. Positive results for methyl acetate should be considered estimated (J) in the associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target compounds as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within GC quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Alpha Geoscience
Project Name : HUNTINGTON READY MIX
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963895-3 Analysis Date : 08/23/24 07:49 File ID : VG240823A01
LCSD Sample ID : WG1963895-4 Analysis Date : 08/23/24 08:13 File ID : VG240823A02
Lab Number : L2447503
Project Number : 20116

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.9	99	10	10	100	1	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.9	99	10	11	110	11	63-130	20
1,1,2-Trichloroethane	10	10	100	10	11	110	10	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	10	100	10	9.7	97	3	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.8	98	2	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.8	98	10	11	110	12	70-130	20
cis-1,3-Dichloropropene	10	9.7	97	10	10	100	3	70-130	20
Bromoform	10	8.8	88	10	9.8	98	11	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	11	110	10	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	10	100	10	9.8	98	2	64-130	20
Bromomethane	10	7.2	72	10	6.4	64	12	39-139	20
Vinyl chloride	10	10	100	10	10	100	0	55-140	20
Chloroethane	10	12	120	10	13	130	8	55-138	20
1,1-Dichloroethene	10	10	100	10	9.6	96	4	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963895-3 Analysis Date : 08/23/24 07:49	File ID	: VG240823A01
LCSD Sample ID	: WG1963895-4 Analysis Date : 08/23/24 08:13	File ID	: VG240823A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.7	97	10	9.6	96	1	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	8.6	86	10	9.7	97	12	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	9.5	95	10	8.8	88	8	36-147	20
Acetone	10	9.1	91	10	10	100	9	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	11	110	10	12	120	9	63-138	20
4-Methyl-2-pentanone	10	9.3	93	10	11	110	17	59-130	20
2-Hexanone	10	9.0	90	10	11	110	20	57-130	20
Bromochloromethane	10	9.5	95	10	10	100	5	70-130	20
1,2-Dibromoethane	10	9.5	95	10	10	100	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.0	80	10	9.8	98	20	41-144	20
Isopropylbenzene	10	9.5	95	10	9.7	97	2	70-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	10	100	13	70-130	20
1,2,4-Trichlorobenzene	10	9.2	92	10	10	100	8	70-130	20
Methyl Acetate	10	8.7	87	10	11	110	23 Q	70-130	20
Cyclohexane	10	11	110	10	9.9	99	11	70-130	20
1,4-Dioxane	500	370	74	500	430	86	15	56-162	20
Freon-113	10	10	100	10	9.2	92	8	70-130	20
Methyl cyclohexane	10	9.8	98	10	8.7	87	12	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	MS Analysis Date	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	MSD Analysis Date	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	9.4	94	10	9.7	97	3	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	11	110	10	70-130	20
Chloroform	ND	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	ND	10	11	110	10	12	120	9	63-132	20
1,2-Dichloropropane	ND	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	ND	10	9.3	93	10	9.4	94	1	63-130	20
1,1,2-Trichloroethane	ND	10	9.8	98	10	10	100	2	70-130	20
Tetrachloroethene	ND	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	ND	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	8.7	87	10	9.1	91	4	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
Bromoform	ND	10	9.8	98	10	9.9	99	1	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98	10	10	100	2	67-130	20
Benzene	ND	10	11	110	10	11	110	0	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	10	100	10	11	110	10	70-130	20
Chloromethane	ND	10	8.5	85	10	9.0	90	6	64-130	20
Bromomethane	ND	10	3.4	34 Q	10	4.6	46	30 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	MS Analysis Date	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	MSD Analysis Date	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	10	11	110	10	11	110	0	55-140	20
Chloroethane	ND	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20
Trichloroethene	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	ND	10	11	110	10	11	110	0	63-130	20
p/m-Xylene	ND	20	21	105	20	22	110	5	70-130	20
o-Xylene	ND	20	21	105	20	22	110	5	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20
Styrene	ND	20	21	105	20	22	110	5	70-130	20
Dichlorodifluoromethane	ND	10	7.4	74	10	7.8	78	5	36-147	20
Acetone	ND	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	ND	10	11	110	10	11	110	0	51-130	20
2-Butanone	ND	10	9.9	99	10	10	100	1	63-138	20
4-Methyl-2-pentanone	ND	10	10	100	10	11	110	10	59-130	20
2-Hexanone	ND	10	9.8	98	10	10	100	2	57-130	20
Bromochloromethane	ND	10	10	100	10	11	110	10	70-130	20
1,2-Dibromoethane	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.5	95	10	9.9	99	4	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	MS Analysis Date	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	MSD Analysis Date	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	ND	10	9.0	90	10	9.3	93	3	70-130	20
Cyclohexane	ND	10	11	110	10	12	120	9	70-130	20
1,4-Dioxane	ND	500	560	112	500	630	126	12	56-162	20
Freon-113	ND	10	11	110	10	11	110	0	70-130	20
Methyl cyclohexane	ND	10	11	110	10	11	110	0	70-130	20

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21287**
Calibration dates	**: 07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.203	0.284	0.294	0.290	0.281	0.234	0.273	0.265	12.90
3)	TP	Chloromethane		0.237	0.243	0.227	0.229	0.227	0.190	0.236	0.227	7.62
4)	TP	Vinyl chloride	0.191	0.177	0.268	0.263	0.256	0.251	0.211	0.266	0.235	15.50
5)	TP	Bromomethane		0.089	0.117	0.124	0.130	0.151	0.136		0.125	16.72
6)	TP	Chloroethane		0.165	0.201	0.188	0.190	0.192	0.160	0.163	0.180	9.11
7)	TP	Trichlorofluor		0.246	0.359	0.340	0.382	0.375	0.318	0.394	0.345	14.74
8)	TP	Ethyl ether		0.107	0.125	0.114	0.114	0.117	0.100	0.124	0.115	7.96
10)	TP	1,1-Dichloroet		0.136	0.194	0.200	0.204	0.202	0.172	0.216	0.189	14.31
11)	TP	Carbon disulfide		0.447	0.585	0.573	0.562	0.581	0.503	0.644	0.556	11.38
12)	TP	Freon-113		0.150	0.220	0.215	0.226	0.224	0.188	0.228	0.208	13.82
13)	TP	Iodomethane			0.298	0.350	0.383	0.407	0.333	0.421	0.365	12.81
14)	TP	Acrolein		0.034	0.029	0.034	0.032	0.034	0.029	0.036	0.033	8.15
15)	TP	Methylene chlo		0.251	0.229	0.224	0.219	0.223	0.186	0.233	0.224	8.80
17)	TP	Acetone			0.075	0.048	0.051	0.050	0.042	0.052	*L	0.9901
18)	TP	trans-1,2-Dich		0.159	0.222	0.218	0.215	0.219	0.182	0.233	0.207	12.68
19)	TP	Methyl acetate			0.154	0.111	0.107	0.110	0.092	0.115	0.115	17.92
20)	TP	Methyl tert butyl ether		0.590	0.643	0.631	0.652	0.672	0.559	0.708	0.636	7.82
21)	TP	tert-Butyl alc		0.016	0.017	0.017	0.018	0.019	0.016	0.020	0.018	8.32
22)	TP	Diisopropyl ether		0.541	0.639	0.669	0.682	0.702	0.582	0.734	0.650	10.50
23)	TP	1,1-Dichloroet		0.306	0.400	0.395	0.386	0.395	0.331	0.410	0.375	10.68
24)	TP	Halothane		0.143	0.173	0.180	0.180	0.182	0.153	0.192	0.172	10.04
25)	TP	Acrylonitrile			0.052	0.058	0.059	0.063	0.053	0.067	0.058	10.02
26)	TP	Ethyl tert-but		0.551	0.632	0.643	0.664	0.687	0.570	0.728	0.639	9.79
27)	TP	Vinyl acetate		0.286	0.333	0.370	0.382	0.372	0.337	0.351	0.347	9.47
28)	TP	cis-1,2-Dichlo		0.198	0.259	0.245	0.246	0.248	0.208	0.263	0.238	10.52
29)	TP	2,2-Dichloropr		0.292	0.331	0.321	0.320	0.324	0.267	0.333	0.313	7.81
30)	TP	Bromochloromet		0.110	0.121	0.121	0.119	0.121	0.100	0.123	0.116	7.32
31)	TP	Cyclohexane		0.258	0.366	0.374	0.400	0.384	0.321	0.385	0.356	13.97
32)	TP	Chloroform		0.339	0.386	0.407	0.392	0.405	0.331	0.426	0.384	9.27
33)	TP	Ethyl acetate			0.167	0.162	0.175	0.179	0.150	0.186	0.170	7.75
34)	TP	Carbon tetrachloride	0.226	0.257	0.327	0.345	0.346	0.343	0.287	0.356	0.311	15.54
35)	TP	Tetrahydrofuran			0.061	0.059	0.056	0.055	0.046	0.057	0.056	9.03
36)	S	Dibromofluoromethane	0.266	0.264	0.262	0.260	0.260	0.258	0.259	0.263	0.261	1.02
37)	TP	1,1,1-Trichlor		0.286	0.360	0.374	0.377	0.377	0.314	0.390	0.354	10.89
39)	TP	2-Butanone			0.055	0.072	0.076	0.080	0.067	0.084	0.073	14.30

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **GONZO**	**Ical Ref**	: **ICAL21287**
Calibration dates	: **07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.207	0.287	0.297	0.312	0.305	0.256	0.317	0.283	13.83
41) TP	Benzene	0.745	0.717	0.890	0.923	0.917	0.917	0.768	0.976	0.857	11.42
42) TP	Tertiary-Amyl Methyl Ether		0.544	0.559	0.586	0.605	0.621	0.519	0.662	0.585	8.39
43) S	1,2-Dichloroethane-d4	0.288	0.279	0.281	0.289	0.268	0.272	0.264	0.278	0.277	3.23
44) TP	1,2-Dichloroet		0.270	0.289	0.274	0.278	0.279	0.231	0.290	0.273	7.30
47) TP	Methyl cyclohe		0.234	0.330	0.364	0.384	0.364	0.301	0.353	0.333	15.41
48) TP	Trichloroethene	0.246	0.210	0.248	0.249	0.253	0.250	0.207	0.270	0.242	9.05
50) TP	Dibromomethane		0.135	0.140	0.139	0.136	0.137	0.114	0.144	0.135	7.28
51) TP	1,2-Dichloropr		0.171	0.219	0.220	0.219	0.221	0.183	0.231	0.209	10.76
53) TP	2-Chloroethyl		0.109	0.117	0.122	0.135	0.140	0.117	0.146	0.126	10.96
54) TP	Bromodichlorom		0.278	0.312	0.313	0.314	0.321	0.264	0.334	0.305	8.10
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	3.92
58) TP	cis-1,3-Dichlo		0.308	0.338	0.350	0.350	0.359	0.301	0.383	0.341	8.39
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.258	1.266	1.270	1.267	1.248	1.246	1.258	1.232	1.255	1.03
61) TP	Toluene		0.628	0.724	0.733	0.716	0.720	0.606	0.738	0.695	7.82
62) TP	4-Methyl-2-pen		0.061	0.077	0.079	0.081	0.083	0.070	0.086	0.077	11.14
63) TP	Tetrachloroethene		0.238	0.323	0.326	0.324	0.321	0.274	0.329	0.305	11.51
65) TP	trans-1,3-Dich		0.347	0.369	0.394	0.389	0.403	0.341	0.421	0.380	7.79
67) TP	Ethyl methacry		0.299	0.305	0.320	0.331	0.340	0.287	0.358	0.320	7.77
68) TP	1,1,2-Trichlor		0.191	0.188	0.193	0.193	0.198	0.166	0.207	0.191#	6.61
69) TP	Chlorodibromom		0.263	0.303	0.312	0.311	0.320	0.270	0.331	0.302	8.47
70) TP	1,3-Dichloropr		0.367	0.389	0.397	0.386	0.392	0.327	0.403	0.380	6.83
71) TP	1,2-Dibromoethane		0.241	0.246	0.245	0.242	0.250	0.211	0.257	0.242	6.11
72) TP	2-Hexanone		0.159	0.134	0.135	0.148	0.145	0.123	0.151	0.142	8.54
73) TP	Chlorobenzene		0.704	0.802	0.813	0.790	0.801	0.673	0.839	0.775	7.92
74) TP	Ethylbenzene		1.116	1.365	1.404	1.372	1.389	1.178	1.465	1.327	9.70
75) TP	1,1,1,2-Tetrac		0.230	0.294	0.301	0.303	0.310	0.258	0.321	0.288	11.16
76) TP	p/m Xylene		0.438	0.518	0.557	0.544	0.554	0.468	0.593	0.525	10.39
77) TP	o Xylene		0.426	0.524	0.538	0.525	0.530	0.446	0.567	0.508	10.15
78) TP	Styrene		0.686	0.836	0.902	0.891	0.920	0.779	1.014	0.861	12.32
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.330	0.332	0.345	0.368	0.372	0.325	0.408	0.354	8.43
82) TP	Isopropylbenzene		1.696	2.246	2.377	2.403	2.343	2.056	2.540	2.237	12.60
83) S	4-Bromofluorobenzene	0.840	0.858	0.860	0.809	0.839	0.814	0.843	0.820	0.835	2.31
84) TP	Bromobenzene		0.578	0.641	0.639	0.638	0.629	0.541	0.664	0.619	6.94

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **GONZO**	**Ical Ref**	: **ICAL21287**
Calibration dates	: **07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.100	2.663	2.727	2.750	2.704	2.365	2.933	2.606	10.73
86) TP	1,4-Dichlorobu		0.723	0.770	0.719	0.709	0.709	0.618	0.776	0.718	7.24
87) TP	1,1,2,2-Tetrac		0.515	0.495	0.493	0.507	0.497	0.443	0.530	0.497	5.44
88) TP	4-Ethyltoluene		1.755	2.192	2.303	2.301	2.260	1.982	2.456	2.179	10.80
89) TP	2-Chlorotoluene		1.433	1.674	1.648	1.628	1.612	1.414	1.779	1.598	8.22
90) TP	1,3,5-Trimethy		1.589	1.978	2.035	2.015	1.977	1.723	2.181	1.929	10.48
91) TP	1,2,3-Trichlor		0.421	0.448	0.417	0.408	0.407	0.357	0.452	0.416	7.60
92) TP	trans-1,4-Dich		0.098	0.090	0.103	0.115	0.127	0.115	0.149	0.114	17.34
93) TP	4-Chlorotoluene		1.409	1.669	1.738	1.694	1.690	1.470	1.847	1.645	9.31
94) TP	tert-Butylbenzene		1.193	1.577	1.675	1.680	1.631	1.411	1.743	1.559	12.38
97) TP	1,2,4-Trimethy		1.561	1.932	2.022	1.989	1.960	1.715	2.121	1.900	10.20
98) TP	sec-Butylbenzene		1.744	2.245	2.376	2.373	2.310	2.014	2.458	2.217	11.38
99) TP	p-Isopropyltol		1.451	1.944	2.048	2.063	2.024	1.761	2.183	1.925	12.77
100) TP	1,3-Dichlorobe		1.005	1.162	1.195	1.185	1.157	1.006	1.245	1.136	8.27
101) TP	1,4-Dichlorobe		1.065	1.241	1.216	1.201	1.179	1.026	1.266	1.170	7.75
102) TP	p-Diethylbenzene		0.812	1.117	1.183	1.187	1.167	1.010	1.264	1.106	13.67
103) TP	n-Butylbenzene		1.116	1.529	1.621	1.628	1.599	1.409	1.752	1.522	13.62
104) TP	1,2-Dichlorobe		0.974	1.109	1.132	1.129	1.108	0.955	1.181	1.084	7.87
105) TP	1,2,4,5-Tetram		1.330	1.611	1.676	1.726	1.759	1.528	1.955	1.655	11.84
106) TP	1,2-Dibromo-3-		0.092	0.087	0.087	0.096	0.095	0.085	0.105	0.092	7.58
107) TP	1,3,5-Trichlor		0.606	0.711	0.737	0.758	0.750	0.652	0.781	0.713	8.82
108) TP	Hexachlorobuta		0.149	0.190	0.199	0.217	0.218	0.192	0.234	0.200	13.72
109) TP	1,2,4-Trichlor		0.533	0.582	0.619	0.666	0.668	0.576	0.682	0.618	9.16
110) TP	Naphthalene		1.390	1.296	1.316	1.427	1.441	1.281	1.558	1.387	7.11
111) TP	1,2,3-Trichlor		0.469	0.501	0.514	0.539	0.546	0.477	0.550	0.514	6.42

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **VOA122**	**Ical Ref**	: **ICAL21346**
Calibration dates	: **07/29/24 13:23 07/29/24 17:04**		

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo			0.147	0.215	0.223	0.209	0.195	0.195	0.197	13.62
3)	TP	Chloromethane		0.252	0.295	0.303	0.277	0.253	0.239	0.225	0.263	10.94
4)	TP	Vinyl chloride	0.202	0.176	0.199	0.232	0.231	0.217	0.206	0.203	0.208	8.84
5)	TP	Bromomethane		0.070	0.076	0.075	0.079	0.088	0.095	0.102	0.084	14.11
6)	TP	Chloroethane		0.118	0.132	0.133	0.126	0.117	0.110	0.108	0.120	8.39
7)	TP	Trichlorofluor		0.144	0.179	0.257	0.263	0.252	0.238	0.239	*L	0.9987
8)	TP	Ethyl ether		0.067	0.069	0.073	0.070	0.071	0.070	0.068	0.070	2.76
10)	TP	1,1-Dichloroet		0.110	0.126	0.152	0.154	0.146	0.139	0.139	0.138	11.23
11)	TP	Carbon disulfide		0.404	0.455	0.510	0.491	0.451	0.438	0.433	0.454	7.85
12)	TP	Freon-113			0.097	0.154	0.159	0.150	0.147	0.151	0.143	16.09
13)	TP	Iodomethane			0.122	0.172	0.190	0.199	0.203	0.204	0.182	17.53
14)	TP	Acrolein		0.018	0.024	0.025	0.025	0.025	0.025	0.024	0.024	11.30
15)	TP	Methylene chlo		0.237	0.204	0.191	0.173	0.164	0.159	0.156	0.183	16.00
17)	TP	Acetone			0.040	0.035	0.033	0.032	0.031	0.030	0.033	10.98
18)	TP	trans-1,2-Dich		0.148	0.169	0.177	0.166	0.160	0.157	0.155	0.162	5.98
19)	TP	Methyl acetate		0.103	0.089	0.085	0.084	0.083	0.081	0.077	0.086	9.89
21)	TP	Methyl tert butyl ether		0.254	0.268	0.317	0.328	0.328	0.339	0.333	0.309	11.02
22)	TP	tert-Butyl alc		0.004	0.006	0.007	0.007	0.007	0.007	0.007	0.006#	15.62
24)	TP	Diisopropyl ether		0.493	0.543	0.594	0.622	0.617	0.616	0.586	0.581	8.17
25)	TP	1,1-Dichloroet		0.311	0.358	0.365	0.340	0.319	0.315	0.306	0.331	7.23
26)	TP	Halothane		0.096	0.110	0.132	0.127	0.127	0.126	0.126	0.121	10.56
27)	TP	Acrylonitrile		0.045	0.044	0.049	0.048	0.046	0.045	0.043	0.046	4.17
28)	TP	Ethyl tert-but		0.324	0.354	0.413	0.457	0.456	0.468	0.453	0.418	13.74
29)	TP	Vinyl acetate		0.273	0.289	0.353	0.379	0.386	0.385	0.367	0.348	13.51
30)	TP	cis-1,2-Dichlo		0.168	0.196	0.197	0.183	0.172	0.172	0.168	0.179#	6.96
31)	TP	2,2-Dichloropr		0.174	0.196	0.224	0.220	0.211	0.211	0.212	0.207	8.20
32)	TP	Bromochloromet		0.084	0.092	0.093	0.084	0.081	0.080	0.078	0.085#	6.73
33)	TP	Cyclohexane			0.183	0.351	0.378	0.354	0.352	0.353	*L	0.9993
34)	TP	Chloroform		0.283	0.310	0.303	0.286	0.274	0.278	0.268	0.286#	5.37
35)	TP	Ethyl acetate			0.096	0.111	0.116	0.118	0.118	0.114	0.112	7.47
36)	TP	Carbon tetrachloride	0.179	0.145	0.171	0.233	0.236	0.228	0.228	0.231	0.206	17.40
37)	TP	Tetrahydrofuran			0.035	0.038	0.038	0.037	0.037	0.036	0.037	3.72
38)	S	Dibromofluoromethane	0.356	0.382	0.381	0.359	0.339	0.326	0.329	0.324	0.349	6.78
39)	TP	1,1,1-Trichlor		0.184	0.221	0.263	0.260	0.255	0.254	0.252	0.241	11.85
41)	TP	2-Butanone			0.042	0.044	0.049	0.050	0.049	0.047	0.047	6.75

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **VOA122**	**Ical Ref**	: **ICAL21346**
Calibration dates	: **07/29/24 13:23 07/29/24 17:04**		

Calibration Files
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L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.128	0.160	0.214	0.222	0.214	0.213	0.213	0.195	18.52
44) TP	Benzene	0.577	0.517	0.672	0.656	0.692	0.662	0.658	0.633	0.633	9.17
45) TP	Tertiary-Amyl Methyl Ether		0.172	0.171	0.190	0.208	0.218	0.230	0.228	0.202	12.43
46) S	1,2-Dichloroethane-d4	0.286	0.306	0.301	0.305	0.293	0.289	0.294	0.289	0.295	2.57
47) T	1,2-Dichloroet		0.154	0.165	0.170	0.162	0.154	0.154	0.149	0.158	4.65
50) TP	Methyl cyclohe			0.094	0.200	0.226	0.224	0.233	0.238	*L	0.9996
51) TP	Trichloroethene	0.133	0.113	0.124	0.143	0.143	0.140	0.141	0.141	0.135#	8.23
53) TP	Dibromomethane		0.065	0.068	0.071	0.070	0.068	0.069	0.067	0.068	2.99
54) TP	1,2-Dichloropr		0.115	0.131	0.154	0.152	0.147	0.147	0.143	0.141#	9.64
56) TP	2-Chloroethyl		0.039	0.041	0.053	0.059	0.063	0.063	0.061	0.054	18.80
57) TP	Bromodichlorom		0.138	0.157	0.175	0.176	0.174	0.176	0.173	0.167#	8.74
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.34
61) TP	cis-1,3-Dichloropropene	0.121	0.126	0.149	0.186	0.197	0.199	0.201	0.197	0.172#	19.89
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.265	1.258	1.267	1.262	1.281	1.288	1.295	1.276	1.274	1.03
64) TP	Toluene		0.347	0.400	0.427	0.437	0.427	0.429	0.416	0.412	7.55
65) TP	4-Methyl-2-pen			0.023	0.028	0.034	0.037	0.038	0.037	0.033	18.50
66) TP	Tetrachloroethene		0.107	0.132	0.169	0.181	0.179	0.181	0.181	0.162	18.41
68) TP	trans-1,3-Dichloropropene		0.112	0.139	0.175	0.208	0.214	0.217	0.212	*L	0.9992
70) TP	Ethyl methacry			0.090	0.124	0.141	0.147	0.149	0.144	0.133	17.01
71) TP	1,1,2-Trichlor		0.072	0.079	0.094	0.102	0.111	0.111	0.108	0.097#	16.46
72) TP	Chlorodibromom		0.089	0.117	0.139	0.157	0.162	0.164	0.161	*L	0.9995
73) TP	1,3-Dichloropr		0.151	0.163	0.188	0.207	0.208	0.208	0.200	0.190	12.35
74) TP	1,2-Dibromoethane		0.077	0.089	0.107	0.119	0.123	0.123	0.120	0.108#	16.86
76) TP	2-Hexanone			0.045	0.055	0.064	0.069	0.069	0.066	0.061	15.23
77) TP	Chlorobenzene		0.417	0.478	0.486	0.486	0.471	0.470	0.458	0.467	5.15
78) TP	Ethylbenzene		0.611	0.710	0.850	0.854	0.821	0.817	0.780	0.778	11.36
79) TP	1,1,1,2-Tetrac		0.107	0.127	0.144	0.161	0.166	0.168	0.166	0.148	15.82
80) TP	p/m Xylene		0.220	0.271	0.332	0.334	0.323	0.322	0.310	0.302	13.84
81) TP	o Xylene		0.200	0.259	0.313	0.315	0.308	0.308	0.296	0.285	14.79
82) TP	Styrene		0.304	0.416	0.503	0.521	0.507	0.499	0.464	0.459	16.79
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.110	0.118	0.137	0.162	0.172	0.176	0.179	0.150	19.06
86) TP	Isopropylbenzene		1.046	1.323	1.726	1.771	1.679	1.676	1.637	1.551	17.18
87) S	4-Bromofluorobenzene	0.911	0.911	0.900	0.932	0.924	0.900	0.900	0.908	0.911	1.31
88) TP	Bromobenzene		0.335	0.355	0.374	0.380	0.370	0.371	0.370	0.365	4.18

Initial Calibration Summary
Form 6
Volatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **VOA122**	**Ical Ref**	: **ICAL21346**
Calibration dates	: **07/29/24 13:23 07/29/24 17:04**		

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.282	1.530	1.993	2.048	1.948	1.952	1.864	1.802	15.83
90) TP	1,4-Dichlorobu		0.423	0.442	0.474	0.497	0.492	0.489	0.483	0.472	5.94
91) TP	1,1,2,2-Tetrac		0.237	0.231	0.246	0.267	0.266	0.266	0.263	0.254	6.06
92) TP	4-Ethyltoluene		1.049	1.261	1.602	1.644	1.579	1.593	1.555	1.469	15.29
93) TP	2-Chlorotoluene		0.883	1.048	1.156	1.157	1.108	1.131	1.117	1.086	8.88
94) TP	1,3,5-Trimethy		0.876	1.095	1.350	1.365	1.327	1.358	1.343	1.245	15.14
95) TP	1,2,3-Trichlor		0.162	0.186	0.191	0.205	0.202	0.204	0.205	0.194	8.07
96) TP	trans-1,4-Dich		0.063	0.078	0.083	0.094	0.095	0.096	0.095	0.086	14.50
97) TP	4-Chlorotoluene		0.906	1.071	1.192	1.204	1.158	1.166	1.146	1.121	9.26
98) TP	tert-Butylbenzene		0.714	0.853	1.187	1.236	1.189	1.202	1.183	1.081	19.23
101) TP	1,2,4-Trimethy		0.970	1.245	1.527	1.538	1.479	1.505	1.471	1.391	15.13
102) TP	sec-Butylbenzene		0.953	1.168	1.721	1.779	1.693	1.711	1.646	*L	0.9992
103) TP	p-Isopropyltol		0.760	0.980	1.439	1.476	1.423	1.444	1.406	*L	0.9995
104) TP	1,3-Dichlorobe		0.643	0.722	0.760	0.757	0.734	0.732	0.718	0.724	5.42
105) TP	1,4-Dichlorobe		0.681	0.712	0.743	0.738	0.714	0.722	0.712	0.718	2.86
106) TP	p-Diethylbenzene			0.566	0.809	0.846	0.825	0.842	0.840	0.788	13.93
107) TP	n-Butylbenzene		0.629	0.830	1.214	1.226	1.171	1.197	1.177	*L	0.9996
108) TP	1,2-Dichlorobe		0.568	0.628	0.667	0.670	0.653	0.655	0.639	0.640	5.50
109) TP	1,2,4,5-Tetram			0.737	1.085	1.193	1.167	1.175	1.128	1.081	16.00
110) TP	1,2-Dibromo-3-		0.007	0.027	0.033	0.037	0.040	0.040	0.040	*L	0.9993
111) TP	1,3,5-Trichlor		0.347	0.382	0.443	0.449	0.433	0.439	0.427	0.417	9.11
112) TP	Hexachlorobuta		0.091	0.104	0.150	0.152	0.147	0.155	0.160	*L	0.9989
113) TP	1,2,4-Trichlor		0.285	0.311	0.368	0.385	0.380	0.381	0.374	0.355#	11.26
114) TP	Naphthalene		0.486	0.583	0.770	0.883	0.870	0.861	0.815	*L	0.9987
115) TP	1,2,3-Trichlor		0.237	0.280	0.315	0.328	0.320	0.320	0.310	0.301#	10.69

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: GONZO		Calibration Date	: 08/23/24 07:49	
Lab File ID	: VG240823A01		Init. Calib. Date(s)	: 07/12/24	07/13/24
Sample No	: WG1963895-2		Init. Calib. Times	: 21:20	00:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	103	0
Dichlorodifluoromethane	0.265	0.251	-	5.3	20	88	0
Chloromethane	0.227	0.227	-	0	20	103	0
Vinyl chloride	0.235	0.245	-	-4.3	20	96	0
Bromomethane	0.125	0.09	-	28*	20	75	0
Chloroethane	0.18	0.208	-	-15.6	20	114	0
Trichlorofluoromethane	0.345	0.365	-	-5.8	20	111	0
Ethyl ether	0.115	0.109	-	5.2	20	99	0
1,1-Dichloroethene	0.189	0.188	-	0.5	20	97	0
Carbon disulfide	0.556	0.596	-	-7.2	20	107	0
Freon-113	0.208	0.214	-	-2.9	20	102	0
Acrolein	0.033	0.031	-	6.1	20	95	0
Methylene chloride	0.224	0.222	-	0.9	20	102	0
Acetone	10	9.067	-	9.3	20	103	0
trans-1,2-Dichloroethene	0.207	0.21	-	-1.4	20	99	0
Methyl acetate	0.115	0.1	-	13	20	93	0
Methyl tert-butyl ether	0.636	0.55	-	13.5	20	90	0
tert-Butyl alcohol	0.018	0.014	-	22.2*	20	83	0
Diisopropyl ether	0.65	0.725	-	-11.5	20	112	0
1,1-Dichloroethane	0.375	0.404	-	-7.7	20	105	0
Halothane	0.172	0.171	-	0.6	20	98	0
Acrylonitrile	0.058	0.062	-	-6.9	20	110	0
Ethyl tert-butyl ether	0.639	0.601	-	5.9	20	96	0
Vinyl acetate	0.347	0.516	-	-48.7*	20	144	0
cis-1,2-Dichloroethene	0.238	0.239	-	-0.4	20	100	0
2,2-Dichloropropane	0.313	0.325	-	-3.8	20	105	0
Bromochloromethane	0.116	0.111	-	4.3	20	94	0
Cyclohexane	0.356	0.38	-	-6.7	20	105	0
Chloroform	0.384	0.394	-	-2.6	20	100	0
Ethyl acetate	0.17	0.174	-	-2.4	20	111	0
Carbon tetrachloride	0.311	0.315	-	-1.3	20	94	0
Tetrahydrofuran	0.056	0.06	-	-7.1	20	106	0
Dibromofluoromethane	0.261	0.26	-	0.4	20	103	0
1,1,1-Trichloroethane	0.354	0.358	-	-1.1	20	99	0
2-Butanone	0.073	0.078	-	-6.8	20	111	0
1,1-Dichloropropene	0.283	0.29	-	-2.5	20	101	0
Benzene	0.857	0.883	-	-3	20	99	0
tert-Amyl methyl ether	0.585	0.49	-	16.2	20	86	0
1,2-Dichloroethane-d4	0.277	0.305	-	-10.1	20	109	0
1,2-Dichloroethane	0.273	0.301	-	-10.3	20	113	0
Methyl cyclohexane	0.333	0.326	-	2.1	20	92	0
Trichloroethene	0.242	0.234	-	3.3	20	97	0
Dibromomethane	0.135	0.129	-	4.4	20	96	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: GONZO		Calibration Date	: 08/23/24 07:49	
Lab File ID	: VG240823A01		Init. Calib. Date(s)	: 07/12/24	07/13/24
Sample No	: WG1963895-2		Init. Calib. Times	: 21:20	00:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.209	0.221	-	-5.7	20	104	0
Bromodichloromethane	0.305	0.306	-	-0.3	20	101	0
1,4-Dioxane	0.00213	0.00159*	-	25.4*	20	81	0
cis-1,3-Dichloropropene	0.341	0.33	-	3.2	20	97	0
Chlorobenzene-d5	1	1	-	0	20	103	0
Toluene-d8	1.255	1.252	-	0.2	20	102	0
Toluene	0.695	0.702	-	-1	20	99	0
4-Methyl-2-pentanone	0.077	0.071	-	7.8	20	93	0
Tetrachloroethene	0.305	0.314	-	-3	20	99	0
trans-1,3-Dichloropropene	0.38	0.374	-	1.6	20	98	0
Ethyl methacrylate	0.32	0.276	-	13.7	20	89	0
1,1,2-Trichloroethane	0.191	0.192*	-	-0.5	20	102	0
Chlorodibromomethane	0.302	0.298	-	1.3	20	98	0
1,3-Dichloropropane	0.38	0.385	-	-1.3	20	100	0
1,2-Dibromoethane	0.242	0.229	-	5.4	20	96	0
2-Hexanone	0.142	0.127	-	10.6	20	98	0
Chlorobenzene	0.775	0.805	-	-3.9	20	102	0
Ethylbenzene	1.327	1.339	-	-0.9	20	98	0
1,1,1,2-Tetrachloroethane	0.288	0.283	-	1.7	20	97	0
p/m Xylene	0.525	0.531	-	-1.1	20	98	0
o Xylene	0.508	0.504	-	0.8	20	97	0
Styrene	0.861	0.87	-	-1	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	0.354	0.311	-	12.1	20	96	0
Isopropylbenzene	2.237	2.135	-	4.6	20	96	0
4-Bromofluorobenzene	0.835	0.77	-	7.8	20	101	0
Bromobenzene	0.619	0.615	-	0.6	20	102	0
n-Propylbenzene	2.606	2.579	-	1	20	101	0
1,4-Dichlorobutane	0.718	0.767	-	-6.8	20	113	0
1,1,2,2-Tetrachloroethane	0.497	0.496	-	0.2	20	107	0
4-Ethyltoluene	2.179	2.146	-	1.5	20	99	0
2-Chlorotoluene	1.598	1.552	-	2.9	20	100	0
1,3,5-Trimethylbenzene	1.929	1.884	-	2.3	20	98	0
1,2,3-Trichloropropane	0.416	0.404	-	2.9	20	103	0
trans-1,4-Dichloro-2-buten	0.114	0.123	-	-7.9	20	126	0
4-Chlorotoluene	1.645	1.608	-	2.2	20	98	0
tert-Butylbenzene	1.559	1.536	-	1.5	20	97	0
1,2,4-Trimethylbenzene	1.9	1.866	-	1.8	20	98	0
sec-Butylbenzene	2.217	2.166	-	2.3	20	97	0
p-Isopropyltoluene	1.925	1.892	-	1.7	20	98	0
1,3-Dichlorobenzene	1.136	1.188	-	-4.6	20	106	0
1,4-Dichlorobenzene	1.17	1.214	-	-3.8	20	106	0
p-Diethylbenzene	1.106	1.075	-	2.8	20	97	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: GONZO		**Calibration Date**	: 08/23/24 07:49	
Lab File ID	: VG240823A01		**Init. Calib. Date(s)**	: 07/12/24	07/13/24
Sample No	: WG1963895-2		**Init. Calib. Times**	: 21:20	00:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.522	1.537	-	-1	20	101	0
1,2-Dichlorobenzene	1.084	1.106	-	-2	20	104	0
1,2,4,5-Tetramethylbenzene	1.655	1.425	-	13.9	20	90	0
1,2-Dibromo-3-chloropropan	0.092	0.074	-	19.6	20	91	0
1,3,5-Trichlorobenzene	0.713	0.736	-	-3.2	20	106	0
Hexachlorobutadiene	0.2	0.218	-	-9	20	116	0
1,2,4-Trichlorobenzene	0.618	0.571	-	7.6	20	98	0
Naphthalene	1.387	0.934	-	32.7*	20	75	0
1,2,3-Trichlorobenzene	0.514	0.452	-	12.1	20	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: VOA122		Calibration Date	: 08/23/24 16:03	
Lab File ID	: V22240823N01		Init. Calib. Date(s)	: 07/29/24	07/29/24
Sample No	: WG1963652-2		Init. Calib. Times	: 13:23	17:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.197	0.143	-	27.4*	20	56	0
Chloromethane	0.263	0.215	-	18.3	20	60	0
Vinyl chloride	0.208	0.21	-	-1	20	76	0
Bromomethane	0.084	0.057	-	32.1*	20	64	0
Chloroethane	0.12	0.099	-	17.5	20	63	0
Trichlorofluoromethane	10	10.372	-	-3.7	20	81	0
Ethyl ether	0.07	0.061	-	12.9	20	71	0
1,1-Dichloroethene	0.138	0.135	-	2.2	20	75	0
Carbon disulfide	0.454	0.428	-	5.7	20	71	0
Freon-113	0.143	0.152	-	-6.3	20	83	0
Iodomethane	0.182	0.118	-	35.2*	20	58	0
Acrolein	0.024	0.02	-	16.7	20	68	0
Methylene chloride	0.183	0.161	-	12	20	71	0
Acetone	0.033	0.034	-	-3	20	83	0
trans-1,2-Dichloroethene	0.162	0.147	-	9.3	20	70	0
Methyl acetate	0.086	0.073	-	15.1	20	73	0
Methyl tert-butyl ether	0.309	0.269	-	12.9	20	72	0
tert-Butyl alcohol	0.00648	0.00678*	-	-4.6	20	86	0
Diisopropyl ether	0.581	0.487	-	16.2	20	69	0
1,1-Dichloroethane	0.331	0.307	-	7.3	20	71	0
Halothane	0.121	0.117	-	3.3	20	74	0
Acrylonitrile	0.046	0.045	-	2.2	20	78	0
Ethyl tert-butyl ether	0.418	0.363	-	13.2	20	74	0
Vinyl acetate	0.348	0.282	-	19	20	67	0
cis-1,2-Dichloroethene	0.179	0.163*	-	8.9	20	70	0
2,2-Dichloropropane	0.207	0.207	-	0	20	78	0
Bromochloromethane	0.085	0.085*	-	0	20	78	0
Cyclohexane	10	10.061	-	-0.6	20	80	0
Chloroform	0.286	0.26*	-	9.1	20	73	0
Ethyl acetate	0.112	0.093	-	17	20	71	0
Carbon tetrachloride	0.206	0.21	-	-1.9	20	76	0
Tetrahydrofuran	0.037	0.035	-	5.4	20	78	0
Dibromofluoromethane	0.349	0.351	-	-0.6	20	83	0
1,1,1-Trichloroethane	0.241	0.233	-	3.3	20	75	0
2-Butanone	0.047	0.041	-	12.8	20	78	0
1,1-Dichloropropene	0.195	0.178	-	8.7	20	70	0
Benzene	0.633	0.53	-	16.3	20	68	0
tert-Amyl methyl ether	0.202	0.166	-	17.8	20	74	0
1,2-Dichloroethane-d4	0.295	0.302	-	-2.4	20	84	0
1,2-Dichloroethane	0.158	0.147	-	7	20	73	0
Methyl cyclohexane	10	9.567	-	4.3	20	83	0
Trichloroethene	0.135	0.118*	-	12.6	20	70	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: VOA122		Calibration Date	: 08/23/24 16:03	
Lab File ID	: V22240823N01		Init. Calib. Date(s)	: 07/29/24	07/29/24
Sample No	: WG1963652-2		Init. Calib. Times	: 13:23	17:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.068	0.063	-	7.4	20	76	0
1,2-Dichloropropane	0.141	0.125*	-	11.3	20	69	0
2-Chloroethyl vinyl ether	0.054	0.046	-	14.8	20	73	0
Bromodichloromethane	0.167	0.15*	-	10.2	20	73	0
1,4-Dioxane	0.00056	0.00066*	-	-17.9	20	93	0
cis-1,3-Dichloropropene	0.172	0.156*	-	9.3	20	71	0
Chlorobenzene-d5	1	1	-	0	20	86	0
Toluene-d8	1.274	1.218	-	4.4	20	83	0
Toluene	0.412	0.366	-	11.2	20	74	0
4-Methyl-2-pentanone	0.033	0.026*	-	21.2*	20	80	0
Tetrachloroethene	0.162	0.172	-	-6.2	20	88	0
trans-1,3-Dichloropropene	10	7.567	-	24.3*	20	75	0
Ethyl methacrylate	0.133	0.093	-	30.1*	20	65	0
1,1,2-Trichloroethane	0.097	0.08*	-	17.5	20	74	0
Chlorodibromomethane	10	8.322	-	16.8	20	80	0
1,3-Dichloropropane	0.19	0.162	-	14.7	20	74	0
1,2-Dibromoethane	0.108	0.097*	-	10.2	20	78	0
2-Hexanone	0.061	0.049	-	19.7	20	78	0
Chlorobenzene	0.467	0.426	-	8.8	20	76	0
Ethylbenzene	0.778	0.7	-	10	20	71	0
1,1,1,2-Tetrachloroethane	0.148	0.137	-	7.4	20	82	0
p/m Xylene	0.302	0.282	-	6.6	20	73	0
o Xylene	0.285	0.264	-	7.4	20	73	0
Styrene	0.459	0.432	-	5.9	20	74	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
Bromoform	0.15	0.129	-	14	20	87	0
Isopropylbenzene	1.551	1.403	-	9.5	20	75	0
4-Bromofluorobenzene	0.911	0.812	-	10.9	20	80	0
Bromobenzene	0.365	0.333	-	8.8	20	82	0
n-Propylbenzene	1.802	1.603	-	11	20	74	0
1,4-Dichlorobutane	0.472	0.402	-	14.8	20	78	0
1,1,2,2-Tetrachloroethane	0.254	0.206	-	18.9	20	77	0
4-Ethyltoluene	1.469	1.322	-	10	20	76	0
2-Chlorotoluene	1.086	0.934	-	14	20	74	0
1,3,5-Trimethylbenzene	1.245	1.115	-	10.4	20	76	0
1,2,3-Trichloropropane	0.194	0.161	-	17	20	77	0
trans-1,4-Dichloro-2-buten	0.086	0.073	-	15.1	20	80	0
4-Chlorotoluene	1.121	0.94	-	16.1	20	72	0
tert-Butylbenzene	1.081	1.015	-	6.1	20	79	0
1,2,4-Trimethylbenzene	1.391	1.13	-	18.8	20	68	0
sec-Butylbenzene	10	8.843	-	11.6	20	77	0
p-Isopropyltoluene	10	9.027	-	9.7	20	80	0
1,3-Dichlorobenzene	0.724	0.673	-	7	20	81	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: VOA122		Calibration Date	: 08/23/24 16:03	
Lab File ID	: V22240823N01		Init. Calib. Date(s)	: 07/29/24	07/29/24
Sample No	: WG1963652-2		Init. Calib. Times	: 13:23	17:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	0.718	0.659	-	8.2	20	81	0
p-Diethylbenzene	0.788	0.696	-	11.7	20	79	0
n-Butylbenzene	10	8.76	-	12.4	20	76	0
1,2-Dichlorobenzene	0.64	0.592*	-	7.5	20	81	0
1,2,4,5-Tetramethylbenzene	1.081	0.892	-	17.5	20	76	0
1,2-Dibromo-3-chloropropan	10	8.467	-	15.3	20	88	0
1,3,5-Trichlorobenzene	0.417	0.401	-	3.8	20	83	0
Hexachlorobutadiene	10	9.176	-	8.2	20	84	0
1,2,4-Trichlorobenzene	0.355	0.332*	-	6.5	20	83	0
Naphthalene	10	8.446	-	15.5	20	82	0
1,2,3-Trichlorobenzene	0.301	0.287*	-	4.7	20	84	0

* Value outside of QC limits.

SVOC Data Section

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-1S (L2447503-01)	35	29	70	63	55	79	0
MW-2S (L2447503-02)	25	21	84	66	33	79	0
MW-3S (L2447503-03)	15*	20	67	57	23	72	1
MW-4D (L2447503-04)	46	32	72	61	63	77	0
MW-5S (L2447503-05)	47	33	77	69	68	81	0
MW-6D (L2447503-06)	13*	15	77	66	21	83	1
MW-7S (L2447503-07)	11*	13	71	64	17	75	1
MW-8S (L2447503-08)	50	34	77	67	71	77	0
DUP (L2447503-09)	42	31	71	65	61	74	0
FIELD BLANK (L2447503-10)	48	33	70	61	66	72	0
EQUIPMENT BLANK (L2447503-11)	16*	20	65	61	26	71	1
WG1963467-1BLANK	50	33	63	64	85	84	0
WG1963467-2LCS	55	38	68	74	96	89	0
WG1963467-3LCSD	56	39	68	71	87	82	0
MW-7SMS	42	37	86	73	62	87	0
MW-7SMSD	17*	22	87	71	26	85	1
WG1964120-1BLANK	55	34	94	64	59	74	0
WG1964120-2LCS	54	38	87	62	57	71	0
WG1964120-3LCSD	57	46	85	61	69	74	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963467-2	Analysis Date : 08/25/24 23:51	File ID : 963467-2
LCSD Sample ID	: WG1963467-3	Analysis Date : 08/26/24 00:14	File ID : 963467-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	20	12.	61		20	13.	63	3	40-140	30
3,3'-Dichlorobenzidine	20	16.	83		20	15.	74	11	40-140	30
2,4-Dinitrotoluene	20	17.	84		20	16.	80	5	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	14.	71	9	40-140	30
4-Chlorophenyl phenyl ether	20	14.	72		20	14.	68	6	40-140	30
4-Bromophenyl phenyl ether	20	15.	76		20	15.	73	4	40-140	30
Bis(2-chloroisopropyl)ether	20	7.3	37	Q	20	7.3	36	Q 3	40-140	30
Bis(2-chloroethoxy)methane	20	12.	61		20	13.	66	8	40-140	30
Hexachlorocyclopentadiene	20	6.1	31	Q	20	6.1	30	Q 3	40-140	30
Isophorone	20	12.	63		20	13.	66	5	40-140	30
Nitrobenzene	20	12.	58		20	13.	64	10	40-140	30
NDPA/DPA	20	16.	79		20	14.	70	12	40-140	30
n-Nitrosodi-n-propylamine	20	12.	59		20	12.	60	2	29-132	30
Bis(2-ethylhexyl)phthalate	20	15.	75		20	15.	74	1	40-140	30
Butyl benzyl phthalate	20	17.	83		20	16.	81	2	40-140	30
Di-n-butylphthalate	20	16.	80		20	16.	78	3	40-140	30
Di-n-octylphthalate	20	15.	77		20	15.	77	0	40-140	30
Diethyl phthalate	20	15.	73		20	14.	70	4	40-140	30
Dimethyl phthalate	20	15.	77		20	14.	72	7	40-140	30
Biphenyl	20	13.	63		20	12.	60	5	40-140	30
4-Chloroaniline	20	13.	64		20	9.8	49	27	40-140	30
2-Nitroaniline	20	18.	92		20	18.	90	2	52-143	30
3-Nitroaniline	20	16.	83		20	16.	79	5	25-145	30
4-Nitroaniline	20	17.	87		20	17.	87	0	51-143	30
Dibenzofuran	20	14.	69		20	14.	69	0	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	54		20	10.	52	4	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963467-2	**Analysis Date** : 08/25/24 23:51	**File ID** : 963467-2
LCSD Sample ID	: WG1963467-3	**Analysis Date** : 08/26/24 00:14	**File ID** : 963467-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acetophenone	20	13.	67	20	14.	71	6	39-129	30
2,4,6-Trichlorophenol	20	16.	78	20	16.	78	0	30-130	30
p-Chloro-m-cresol	20	14.	73	20	14.	73	0	23-97	30
2-Chlorophenol	20	14.	72	20	15.	75	4	27-123	30
2,4-Dichlorophenol	20	16.	80	20	16.	80	0	30-130	30
2,4-Dimethylphenol	20	9.9	49	20	8.5	42	15	30-130	30
2-Nitrophenol	20	16.	81	20	18.	91	12	30-130	30
4-Nitrophenol	20	8.3	42	20	8.2	41	2	10-80	30
2,4-Dinitrophenol	20	16.	80	20	15.	75	6	20-130	30
4,6-Dinitro-o-cresol	20	19.	96	20	16.	81	17	20-164	30
Phenol	20	6.8	34	20	6.9	34	0	12-110	30
2-Methylphenol	20	14.	69	20	13.	66	4	30-130	30
3-Methylphenol/4-Methylphenol	20	12.	62	20	13.	64	3	30-130	30
2,4,5-Trichlorophenol	20	17.	85	20	16.	79	7	30-130	30
Carbazole	20	17.	87	20	16.	80	8	55-144	30
Atrazine	20	15.	77	20	14.	70	10	40-140	30
Benzaldehyde	20	11.	54	20	12.	61	12	40-140	30
Caprolactam	20	2.9	14	20	2.7	14	0	10-130	30
2,3,4,6-Tetrachlorophenol	20	17.	87	20	15.	76	13	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964120-2 Analysis Date : 08/27/24 10:50	File ID	: 964120-2
LCSD Sample ID	: WG1964120-3 Analysis Date : 08/27/24 11:14	File ID	: 964120-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	20	16.	78	20	15.	76	3	40-140	30
3,3'-Dichlorobenzidine	20	10.	52	20	20.	98	61 Q	40-140	30
2,4-Dinitrotoluene	20	14.	70	20	15.	74	6	48-143	30
2,6-Dinitrotoluene	20	14.	71	20	16.	80	12	40-140	30
4-Chlorophenyl phenyl ether	20	14.	70	20	15.	74	6	40-140	30
4-Bromophenyl phenyl ether	20	13.	66	20	15.	75	13	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	80	20	16.	78	3	40-140	30
Bis(2-chloroethoxy)methane	20	16.	78	20	16.	82	5	40-140	30
Hexachlorocyclopentadiene	20	9.2	46	20	9.1	45	2	40-140	30
Isophorone	20	17.	84	20	18.	92	9	40-140	30
Nitrobenzene	20	17.	86	20	16.	81	6	40-140	30
NDPA/DPA	20	12.	62	20	14.	72	15	40-140	30
n-Nitrosodi-n-propylamine	20	18.	89	20	19.	95	7	29-132	30
Bis(2-ethylhexyl)phthalate	20	18.	88	20	18.	93	6	40-140	30
Butyl benzyl phthalate	20	17.	87	20	21.	104	18	40-140	30
Di-n-butylphthalate	20	18.	89	20	19.	97	9	40-140	30
Di-n-octylphthalate	20	18.	93	20	20.	99	6	40-140	30
Diethyl phthalate	20	16.	78	20	18.	92	16	40-140	30
Dimethyl phthalate	20	15.	76	20	15.	76	0	40-140	30
Biphenyl	20	13.	66	20	14.	68	3	40-140	30
4-Chloroaniline	20	14.	71	20	14.	71	0	40-140	30
2-Nitroaniline	20	16.	80	20	14.	71	12	52-143	30
3-Nitroaniline	20	15.	77	20	17.	84	9	25-145	30
4-Nitroaniline	20	16.	82	20	16.	82	0	51-143	30
Dibenzofuran	20	14.	71	20	15.	74	4	40-140	30
1,2,4,5-Tetrachlorobenzene	20	12.	60	20	12.	62	3	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964120-2	**Analysis Date** : 08/27/24 10:50	**File ID** : 964120-2
LCSD Sample ID	: WG1964120-3	**Analysis Date** : 08/27/24 11:14	**File ID** : 964120-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acetophenone	20	15.	76	20	16.	79	4	39-129	30
2,4,6-Trichlorophenol	20	14.	68	20	16.	78	14	30-130	30
p-Chloro-m-cresol	20	18.	89	20	18.	88	1	23-97	30
2-Chlorophenol	20	13.	65	20	14.	73	12	27-123	30
2,4-Dichlorophenol	20	14.	72	20	15.	77	7	30-130	30
2,4-Dimethylphenol	20	12.	61	20	14.	73	18	30-130	30
2-Nitrophenol	20	14.	70	20	16.	79	12	30-130	30
4-Nitrophenol	20	13.	64	20	14.	72	12	10-80	30
2,4-Dinitrophenol	20	14.	71	20	15.	77	8	20-130	30
4,6-Dinitro-o-cresol	20	16.	78	20	17.	85	9	20-164	30
Phenol	20	8.7	43	20	9.5	47	9	12-110	30
2-Methylphenol	20	13.	67	20	14.	72	7	30-130	30
3-Methylphenol/4-Methylphenol	20	13.	67	20	15.	77	14	30-130	30
2,4,5-Trichlorophenol	20	14.	70	20	15.	76	8	30-130	30
Carbazole	20	16.	78	20	16.	80	3	55-144	30
Atrazine	20	14.	72	20	15.	75	4	40-140	30
Benzaldehyde	20	14.	69	20	14.	72	4	40-140	30
Caprolactam	20	9.6	48	20	13.	63	27	10-130	30
2,3,4,6-Tetrachlorophenol	20	15.	75	20	16.	80	6	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/26/24 18:10
Matrix Spike	: WG1963467-4	MS Analysis Date	: 08/26/24 18:33
Matrix Spike Dup	: WG1963467-5	MSD Analysis Date	: 08/26/24 18:55

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	ND	20	17.	85	20	16.	80	6	40-140	30
3,3'-Dichlorobenzidine	ND	20	16.	80	20	17.	85	6	40-140	30
2,4-Dinitrotoluene	ND	20	17.	85	20	17.	85	0	48-143	30
2,6-Dinitrotoluene	ND	20	17.	85	20	17.	85	0	40-140	30
4-Chlorophenyl phenyl ether	ND	20	13.	65	20	14.	70	7	40-140	30
4-Bromophenyl phenyl ether	ND	20	14.	70	20	14.	70	0	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	18.	90	20	19.	95	5	40-140	30
Bis(2-chloroethoxy)methane	ND	20	17.	85	20	17.	85	0	40-140	30
Hexachlorocyclopentadiene	ND	20	6.5J	33 Q	20	6.9J	35 Q	6	40-140	30
Isophorone	ND	20	17.	85	20	17.	85	0	40-140	30
Nitrobenzene	ND	20	17.	85	20	17.	85	0	40-140	30
NDPA/DPA	ND	20	16.	80	20	15.	75	6	40-140	30
n-Nitrosodi-n-propylamine	ND	20	17.	85	20	17.	85	0	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	19.	95	20	19.	95	0	40-140	30
Butyl benzyl phthalate	ND	20	20.	100	20	20.	100	0	40-140	30
Di-n-butylphthalate	ND	20	19.	95	20	19.	95	0	40-140	30
Di-n-octylphthalate	ND	20	20.	100	20	20.	100	0	40-140	30
Diethyl phthalate	ND	20	16.	80	20	16.	80	0	40-140	30
Dimethyl phthalate	ND	20	16.	80	20	16.	80	0	40-140	30
Biphenyl	ND	20	13.	65	20	13.	65	0	40-140	30
4-Chloroaniline	ND	20	17.	85	20	16.	80	6	40-140	30
2-Nitroaniline	ND	20	18.	90	20	18.	90	0	52-143	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/26/24 18:10
Matrix Spike	: WG1963467-4	MS Analysis Date	: 08/26/24 18:33
Matrix Spike Dup	: WG1963467-5	MSD Analysis Date	: 08/26/24 18:55

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
3-Nitroaniline	ND	20	18.	90	20	18.	90	0	25-145	30
4-Nitroaniline	ND	20	17.	85	20	17.	85	0	51-143	30
Dibenzofuran	ND	20	15.	75	20	15.	75	0	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	11.	55	20	11.	55	0	2-134	30
Acetophenone	ND	20	15.	75	20	16.	80	6	39-129	30
2,4,6-Trichlorophenol	ND	20	10.	50	20	4.0J	20 Q	86 Q	30-130	30
p-Chloro-m-cresol	ND	20	16.	80	20	14.	70	13	23-97	30
2-Chlorophenol	ND	20	13.	65	20	6.6	33	65 Q	27-123	30
2,4-Dichlorophenol	ND	20	13.	65	20	7.1	36	59 Q	30-130	30
2,4-Dimethylphenol	ND	20	10.	50	20	10.	50	0	30-130	30
2-Nitrophenol	ND	20	15.	75	20	6.8J	34	75 Q	30-130	30
4-Nitrophenol	ND	20	5.1J	26	20	2.3J	12	76 Q	10-80	30
2,4-Dinitrophenol	ND	20	5.7J	29	20	ND	0 Q	NC	20-130	30
4,6-Dinitro-o-cresol	ND	20	9.2J	46	20	4.1J	21	77 Q	20-164	30
Phenol	ND	20	7.3	37	20	5.4	27	30	12-110	30
2-Methylphenol	ND	20	13.	65	20	13.	65	0	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	14.	70	20	12.	60	15	30-130	30
2,4,5-Trichlorophenol	ND	20	14.	70	20	6.1	31	79 Q	30-130	30
Carbazole	ND	20	18.	90	20	18.	90	0	55-144	30
Atrazine	ND	20	15.	75	20	15.	75	0	40-140	30
Benzaldehyde	ND	20	13.	65	20	13.	65	0	40-140	30
Caprolactam	ND	20	9.4J	47	20	9.5J	48	1	10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Client Sample ID	: MW-7S		Matrix (Level)	: WATER (LOW)	
Lab Sample ID	: L2447503-07		Analysis Date	: 08/26/24 18:10	
Matrix Spike	: WG1963467-4		MS Analysis Date	: 08/26/24 18:33	
Matrix Spike Dup	: WG1963467-5		MSD Analysis Date	: 08/26/24 18:55	

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
2,3,4,6-Tetrachlorophenol	ND	20	9.8	49	20	2.4J	12	Q	121 Q	40-140	30

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **SV112**	**Ical Ref**	: **ICAL21241**
Calibration dates	: **06/25/24 20:18 06/26/24 07:31**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42

Initial Calibration Summary
Form 6
Semivolatiles

Client	: **Alpha Geoscience**	**Lab Number**	: **L2447503**
Project Name	: **HUNTINGTON READY MIX**	**Project Number**	: **20116**
Instrument ID	: **SV112**	**Ical Ref**	: **ICAL21241**
Calibration dates	: **06/25/24 20:18 06/26/24 07:31**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89	
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31	
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56	
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263		*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78	
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30	
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47	
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37	
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66	
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23	
83)	I	IS2_Acenaphthene-d10	----------ISTD----------											
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269		*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89	
86)	I	IS3_Acenaphthene-d10	----------ISTD----------											
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04	
88)	I	IS1_Phenanthrene-d10	----------ISTD----------											
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62	
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97	
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18	
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68	
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39	
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87	
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03	
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83	
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35	
98)	I	IS2_Phenanthrene-d10	----------ISTD----------											
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43	
100)	I	IS3_Phenanthrene-d10	----------ISTD----------											
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02	
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122		*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806		*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------											
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88	
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31	
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66	
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110) T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111) T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112) T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113) I	IS1_Perylene-d12	----------ISTD----------										
114) T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115) T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116) T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: SV112		Calibration Date	: 08/26/24 09:05	
Lab File ID	: ABN0826		Init. Calib. Date(s)	: 06/25/24	06/26/24
Sample No	: WG1963848-3		Init. Calib. Times	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
n-Nitrosodimethylamine	0.657	0.712	-	-8.4	20	104	0
Pyridine	1.043	1.077	-	-3.3	20	94	0
2-Fluorophenol	1.05	1.023	-	2.6	20	100	0
Aniline	1.811	1.616	-	10.8	20	96	0
2-Chlorophenol	1.251	1.147	-	8.3	20	98	0
Phenol-d6	1.357	1.289	-	5	20	98	0
Phenol	1.577	1.405	-	10.9	20	94	0
Bis(2-chloroethyl)ether	1.167	1.094	-	6.3	20	102	0
1,3-Dichlorobenzene	1.508	1.356	-	10.1	20	95	0
1,4-Dichlorobenzene	1.575	1.373	-	12.8	20	96	0
1,2-Dichlorobenzene	1.475	1.309	-	11.3	20	95	0
Benzyl alcohol	0.945	0.923	-	2.3	20	101	0
Bis(2-chloroisopropyl)ethe	1.475	1.601	-	-8.5	20	117	0
2-Methylphenol	1.056	0.983	-	6.9	20	97	0
Hexachloroethane	0.558	0.532	-	4.7	20	102	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	100	0
3-Methylphenol/4-Methylphe	1.15	1.069	-	7	20	95	0
Nitrobenzene-d5	1.294	1.231	-	4.9	20	99	0
Nitrobenzene	1.289	1.226	-	4.9	20	99	0
Isophorone	2.328	2.133	-	8.4	20	98	0
2-Nitrophenol	0.574	0.586	-	-2.1	20	106	0
2,4-Dimethylphenol	1.101	1.029	-	6.5	20	107	0
Bis(2-chloroethoxy)methane	1.567	1.374	-	12.3	20	98	0
2,4-Dichlorophenol	1.153	1.042	-	9.6	20	97	0
1,2,4-Trichlorobenzene	1.46	1.17	-	19.9	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.049	0.933	-	11.1	20	92	0
Benzoic Acid	5	4.999	-	0	20	111	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	102	0
Hexachlorobutadiene	0.246	0.209	-	15	20	91	0
p-Chloro-m-cresol	0.277	0.27	-	2.5	20	99	0
2-Methylnaphthalene	0.713	0.606	-	15	20	92	0
1-Methylnaphthalene	0.245	0.203	-	17.1	20	92	0
Hexachlorocyclopentadiene	0.251	0.229	-	8.8	20	100	0
2,4,6-Trichlorophenol	0.256	0.233	-	9	20	92	0
2,4,5-Trichlorophenol	0.262	0.249	-	5	20	95	0
2-Fluorobiphenyl	0.904	0.746	-	17.5	20	90	0
2-Chloronaphthalene	0.759	0.647	-	14.8	20	92	0
2-Nitroaniline	0.2	0.203	-	-1.5	20	105	0
1,4-Dinitrobenzene	0.098	0.099	-	-1	20	103	0
1,3-Dinitrobenzene	0.114	0.114	-	0	20	102	0
Dimethyl phthalate	0.923	0.779	-	15.6	20	93	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: SV112		Calibration Date	: 08/26/24 09:05	
Lab File ID	: ABN0826		Init. Calib. Date(s)	: 06/25/24	06/26/24
Sample No	: WG1963848-3		Init. Calib. Times	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.011	-	9.7	20	94	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	102	0
1,2-Dinitrobenzene	0.076	0.073	-	3.9	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.299	0.312	-	-4.3	20	100	0
Acenaphthene	1.115	0.969	-	13.1	20	92	0
2,4-Dinitrophenol	5	5.716	-	-14.3	20	126	0
Dibenzofuran	1.837	1.588	-	13.6	20	91	0
2,4-Dinitrotoluene	0.383	0.395	-	-3.1	20	100	0
4-Nitrophenol	0.29	0.283	-	2.4	20	98	0
2,3,5,6-Tetrachlorophenol	0.377	0.372	-	1.3	20	95	0
2,3,4,6-Tetrachlorophenol	0.37	0.364	-	1.6	20	98	0
Diethyl phthalate	1.487	1.317	-	11.4	20	97	0
Fluorene	1.431	1.263	-	11.7	20	93	0
4-Chlorophenyl phenyl ether	0.78	0.621	-	20.4*	20	89	0
4-Nitroaniline	0.314	0.312	-	0.6	20	92	0
4,6-Dinitro-o-cresol	5	4.99	-	0.2	20	119	0
NDPA/DPA	1.231	1.078	-	12.4	20	92	0
Azobenzene	1.305	1.249	-	4.3	20	98	0
2,4,6-Tribromophenol	0.257	0.231	-	10.1	20	97	0
4-Bromophenyl phenyl ether	0.5	0.396	-	20.8*	20	89	0
Hexachlorobenzene	0.628	0.487	-	22.5*	20	91	0
Pentachlorophenol	0.322	0.325	-	-0.9	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	100	0
Phenanthrene	1.058	0.933	-	11.8	20	92	0
Anthracene	1.035	0.936	-	9.6	20	94	0
Carbazole	0.948	0.886	-	6.5	20	93	0
Di-n-butylphthalate	1.034	1.007	-	2.6	20	103	0
Fluoranthene	1.228	1.112	-	9.4	20	94	0
Benzidine	0.675	0.694	-	-2.8	20	99	0
Pyrene	1.301	1.176	-	9.6	20	91	0
4-Terphenyl-d14	1.029	0.864	-	16	20	90	0
Butyl benzyl phthalate	0.458	0.47	-	-2.6	20	111	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.284	1.153	-	10.2	20	90	0
3,3'-Dichlorobenzidine	0.468	0.453	-	3.2	20	94	0
Chrysene	1.259	1.132	-	10.1	20	91	0
Bis(2-ethylhexyl)phthalate	0.639	0.656	-	-2.7	20	105	0
Di-n-octylphthalate	0.979	1.125	-	-14.9	20	110	0
Benzo(b)fluoranthene	1.317	1.253	-	4.9	20	94	0
Benzo(k)fluoranthene	1.202	1.163	-	3.2	20	88	0
Benzo(a)pyrene	1.149	1.109	-	3.5	20	92	0
IS1_Perylene-d12	1	1	-	0	20	98	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:05	
Lab File ID	: ABN0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.996	-	10.9	20	86	0
Dibenzo(a,h)anthracene	1.068	0.993	-	7	20	91	0
Benzo(ghi)perylene	1.078	0.979	-	9.2	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: SV112		Calibration Date	: 08/26/24 09:27	
Lab File ID	: AP90826		Init. Calib. Date(s)	: 06/25/24	06/26/24
Sample No	: WG1963848-4		Init. Calib. Times	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	1.094	0.941	-	14	20	79	0
Acetophenone	1.903	1.584	-	16.8	20	72	0
m-Toluidine	1.828	1.522	-	16.7	20	72	0
2-Chloroaniline	1.742	1.404	-	19.4	20	72	0
IS2_Naphthalene-d8	1	1	-	0	20	88	0
a-Terpineol	0.277	0.26	-	6.1	20	82	0
3-Chloroaniline	0.15	0.133	-	11.3	20	79	0
2,6-Dichlorophenol	0.326	0.273	-	16.3	20	72	0
1-chloro-2-nitrobenzene	0.143	0.128	-	10.5	20	77	0
Caprolactam	5	4.527	-	9.5	20	85	0
1,2,4,5-Tetrachlorobenzene	0.479	0.353	-	26.3*	20	66	0
Biphenyl	1.026	0.774	-	24.6*	20	67	0
IS2_Acenaphthene-d10	1	1	-	0	20	84	0
Dichloran	5	3.809	-	23.8*	20	71	0
Pentachloronitrobenzene	0.235	0.184	-	21.7*	20	68	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.515	0.401	-	22.1*	20	61	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: SV106		Calibration Date	: 08/27/24 06:53	
Lab File ID	: ABN0827		Init. Calib. Date(s)	: 06/24/24	06/25/24
Sample No	: WG1964242-3		Init. Calib. Times	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
n-Nitrosodimethylamine	0.851	0.943	-	-10.8	20	162	0
Pyridine	1.392	1.432	-	-2.9	20	149	0
2-Fluorophenol	1.156	1.168	-	-1	20	144	0
Aniline	2.049	2.099	-	-2.4	20	150	0
2-Chlorophenol	1.288	1.248	-	3.1	20	145	0
Phenol-d6	1.583	1.673	-	-5.7	20	158	0
Phenol	1.642	1.765	-	-7.5	20	158	0
Bis(2-chloroethyl)ether	1.348	1.337	-	0.8	20	146	0
1,3-Dichlorobenzene	1.546	1.442	-	6.7	20	138	0
1,4-Dichlorobenzene	1.565	1.5	-	4.2	20	143	0
1,2-Dichlorobenzene	1.522	1.439	-	5.5	20	141	0
Benzyl alcohol	1.267	1.465	-	-15.6	20	169	0
Bis(2-chloroisopropyl)ethe	2.166	2.255	-	-4.1	20	156	0
2-Methylphenol	1.183	1.225	-	-3.6	20	151	0
Hexachloroethane	0.623	0.622	-	0.2	20	153	0
n-Nitrosodi-n-propylamine	1.057	1.25	-	-18.3	20	168	0
3-Methylphenol/4-Methylphe	1.279	1.295	-	-1.3	20	149	0
Nitrobenzene-d5	1.619	1.869	-	-15.4	20	172	0
Nitrobenzene	1.643	1.822	-	-10.9	20	167	0
Isophorone	2.76	3.354	-	-21.5*	20	172	0
2-Nitrophenol	0.692	0.724	-	-4.6	20	150	0
2,4-Dimethylphenol	1.301	1.451	-	-11.5	20	163	0
Bis(2-chloroethoxy)methane	1.778	1.832	-	-3	20	152	0
2,4-Dichlorophenol	1.233	1.215	-	1.5	20	142	0
1,2,4-Trichlorobenzene	1.51	1.374	-	9	20	140	0
IS1_Naphthalene-d8	1	1	-	0	20	143	0
Naphthalene	1.147	0.985	-	14.1	20	140	0
Benzoic Acid	5	4.783	-	4.3	20	146	0
4-Chloroaniline	0.169	0.179	-	-5.9	20	163	0
Hexachlorobutadiene	0.303	0.26	-	14.2	20	142	0
p-Chloro-m-cresol	0.343	0.375	-	-9.3	20	167	0
2-Methylnaphthalene	0.764	0.66	-	13.6	20	137	0
1-Methylnaphthalene	0.29	0.297	-	-2.4	20	160	0
Hexachlorocyclopentadiene	0.336	0.312	-	7.1	20	144	0
2,4,6-Trichlorophenol	0.301	0.271	-	10	20	137	0
2,4,5-Trichlorophenol	0.322	0.298	-	7.5	20	138	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	133	0
2-Chloronaphthalene	0.813	0.742	-	8.7	20	144	0
2-Nitroaniline	0.245	0.22	-	10.2	20	135	0
1,4-Dinitrobenzene	0.129	0.128	-	0.8	20	150	0
1,3-Dinitrobenzene	0.147	0.139	-	5.4	20	140	0
Dimethyl phthalate	0.989	0.932	-	5.8	20	145	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.076	-	13.5	20	132	0
2,6-Dinitrotoluene	0.213	0.203	-	4.7	20	141	0
1,2-Dinitrobenzene	0.091	0.087	-	4.4	20	141	0
IS1_Acenaphthene-d10	1	1	-	0	20	149	0
3-Nitroaniline	0.319	0.304	-	4.7	20	142	0
Acenaphthene	1.153	0.995	-	13.7	20	142	0
2,4-Dinitrophenol	0.213	0.209	-	1.9	20	144	0
Dibenzofuran	1.936	1.666	-	13.9	20	142	0
2,4-Dinitrotoluene	0.475	0.421	-	11.4	20	136	0
4-Nitrophenol	0.323	0.376	-	-16.4	20	183	0
2,3,5,6-Tetrachlorophenol	0.452	0.412	-	8.8	20	140	0
2,3,4,6-Tetrachlorophenol	0.435	0.397	-	8.7	20	137	0
Diethyl phthalate	1.529	1.418	-	7.3	20	150	0
Fluorene	1.523	1.255	-	17.6	20	133	0
4-Chlorophenyl phenyl ethe	0.801	0.653	-	18.5	20	138	0
4-Nitroaniline	0.333	0.276	-	17.1	20	133	0
4,6-Dinitro-o-cresol	0.266	0.286	-	-7.5	20	153	0
NDPA/DPA	1.263	1.113	-	11.9	20	139	0
Azobenzene	1.446	1.497	-	-3.5	20	166	0
2,4,6-Tribromophenol	0.249	0.205	-	17.7	20	125	0
4-Bromophenyl phenyl ether	0.5	0.414	-	17.2	20	136	0
Hexachlorobenzene	0.569	0.455	-	20	20	134	0
Pentachlorophenol	0.361	0.324	-	10.2	20	130	0
IS1_Phenanthrene-d10	1	1	-	0	20	143	0
Phenanthrene	1.117	0.963	-	13.8	20	140	0
Anthracene	1.111	0.991	-	10.8	20	139	0
Carbazole	1.018	0.876	-	13.9	20	135	0
Di-n-butylphthalate	1.195	1.181	-	1.2	20	150	0
Fluoranthene	1.366	1.163	-	14.9	20	135	0
Benzidine	0.741	0.772	-	-4.2	20	151	0
Pyrene	1.44	1.226	-	14.9	20	135	0
4-Terphenyl-d14	1.076	0.879	-	18.3	20	131	0
Butyl benzyl phthalate	0.55	0.557	-	-1.3	20	159	0
IS1_Chrysene-d12	1	1	-	0	20	141	0
Benzo(a)anthracene	1.478	1.253	-	15.2	20	135	0
3,3'-Dichlorobenzidine	0.489	0.466	-	4.7	20	135	0
Chrysene	1.429	1.194	-	16.4	20	134	0
Bis(2-ethylhexyl)phthalate	0.817	0.876	-	-7.2	20	155	0
Di-n-octylphthalate	1.352	1.513	-	-11.9	20	165	0
Benzo(b)fluoranthene	1.43	1.174	-	17.9	20	134	0
Benzo(k)fluoranthene	1.356	1.216	-	10.3	20	135	0
Benzo(a)pyrene	1.242	1.107	-	10.9	20	135	0
IS1_Perylene-d12	1	1	-	0	20	141	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 06:53	
Lab File ID	: ABN0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.222	-	-12.9	20	165	0
Dibenzo(a,h)anthracene	1.042	0.986	-	5.4	20	139	0
Benzo(ghi)perylene	0.964	0.956	-	0.8	20	143	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: SV106		Calibration Date	: 08/27/24 07:17	
Lab File ID	: AP90827		Init. Calib. Date(s)	: 06/24/24	06/25/24
Sample No	: WG1964242-4		Init. Calib. Times	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
Benzaldehyde	1.187	1.094	-	7.8	20	106	0
Acetophenone	2.158	1.959	-	9.2	20	104	0
m-Toluidine	1.957	1.83	-	6.5	20	107	0
2-Chloroaniline	1.709	1.43	-	16.3	20	96	0
IS2_Naphthalene-d8	1	1	-	0	20	111	0
a-Terpineol	0.4	0.383	-	4.3	20	107	0
3-Chloroaniline	0.201	0.205	-	-2	20	114	0
2,6-Dichlorophenol	0.362	0.312	-	13.8	20	92	0
1-chloro-2-nitrobenzene	0.18	0.176	-	2.2	20	105	0
Caprolactam	0.21	0.21	-	0	20	103	0
1,2,4,5-Tetrachlorobenzene	0.548	0.42	-	23.4*	20	88	0
Biphenyl	1.084	0.842	-	22.3*	20	88	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	0.247	0.181	-	26.7*	20	77	0
Pentachloronitrobenzene	0.27	0.228	-	15.6	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	102	0
Diphenamid	0.561	0.449	-	20	20	80	0

* Value outside of QC limits.

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QA/QC Review of Method 8270E Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 for SV112 on 06-25-24. No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no average RRF is less than 0.010.

The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 2-chloronaphthalene and 2,6-dinitrotoluene were below the method minimums, but not below 0.010 on 08-26-24 (WG1963848-3). The RRF for 2-chloronaphthalene was below the method minimum, but not below 0.010 on 08-27-24 (WG1964242-3). The %Ds for 4-chlorophenyl phenyl ether, 4-bromophenyl phenyl ether, and hexachlorobenzene were above the method maximum on 08-26-24 (WG1963848-3). The %D for isophorone was above the method maximum on 08-27-24 (WG1964242-3). No action is taken on fewer than 20% of the compounds with method criteria outside control limits per calibration, provided no RRF is less than 0.010.

The RRFs for target compounds were above the allowable minimum (0.010), as required.

The %Ds for 4-chlorophenyl phenyl ether, 4-bromophenyl phenyl ether, and hexachlorobenzene were above the allowable maximum (20%) on 08-26-24 (WG1963848-3). The %Ds for 1,2,4,5-tetrachlorobenzene and biphenyl were above the allowable maximum (20%) on 08-26-24 (WG1963848-4). The %D for isophorone was above the allowable maximum (20%) on 08-27-24 (WG1964242-3). The %Ds for 1,2,4,5-tetrachlorobenzene and biphenyl were above the allowable maximum (20%) on 08-27-24

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(WG1964242-4). Positive results for these compounds should be considered estimated (J) in associated samples.

Blanks: The analyses of the method blanks reported target compounds as not detected. FIELD BLANK contained a trace of phenol (2.2 ug/L). Positive results for phenol that are less than 5 times the highest blank level in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three surrogate recoveries for samples MW-3S, MW-6D, MW-7S, and EQUIPMENT BLANK was below control limits, but not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 8 compounds (highlighted yellow on attached Form 3) were above the allowable maximum; 2 of 2 percent recoveries (%Rs) for hexachlorocyclopentadiene were below QC limits, but not below 30%; and 1 of 2 for 2,4,6-trichlorophenol, 2,4-dinitrophenol, and 2,3,4,6-tetrachlorophenol were below QC limits and below 30% for aqueous MS/MSD sample MW-7S. The "not detected" result for hexachlorocyclopentadiene should be considered estimated (UJ) and the "not detected" results for 2,4,6-trichlorophenol, 2,4-dinitrophenol, and 2,3,4,6-tetrachlorophenol rejected, unusable (R) in sample MW-7S.

Laboratory Control Sample: The relative percent differences (RPDs) for target compounds were below the allowable maximum, but 2 of 2 percent recoveries for bis(2-chloroisopropyl)ether and hexachlorocyclopentadiene were below QC limits, but not below 30% for aqueous samples WG1963467-2/3. Positive results for these compounds should be considered estimated, biased low (J-) and "not detected" results estimated (UJ) in associated aqueous samples.

The %Rs for target compounds were within QC limits, but the RPD for 3,3'-dichlorobenzidine was above the allowable maximum for aqueous samples WG1964120-2/3. Positive results for 3,3'-dichlorobenzidine should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target compounds either as not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits. The mass spectra for detected compounds contained the primary and secondary ions, as outlined in the method.

SVOC SIM Data Section

ALPHA GEOSCIENCE

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QA/QC Review of Method 8270D SIM Semi-Volatiles
Data for Alpha Analytical, SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were extracted and analyzed within USEPA SW-846 holding times.

GC/MS Tuning and Mass Calibration: The DFTPP tuning criteria were within control limits.

Initial Calibration: The average RRFs for target compounds were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for target compounds were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: Method blank WG1964121-1BLANK contained traces of 6 compounds (highlighted yellow on attached Form 1). EQUIPMENT BLANK contained traces of naphthalene (0.08 ug/L) and 2-methylnaphthalene (0.05 ug/L). Positive results for these compounds that are less than 5 times the highest blank level in associated samples.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: One of three surrogate recoveries for sample MW-3S, MW-6D, MW-7S, and EQUIPMENT BLANK was below control limits, but not below 10%. No action is taken on one surrogate recovery per fraction outside control limits, provided no recovery is less than 10%.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for pentachlorophenol was above the allowable maximum and 2 of 2 percent recoveries for pentachlorophenol were below QC limits and 1 below 30% for aqueous MS/MSD sample MW-7S. The "not detected" result for pentachlorophenol should be considered rejected, unusable (R) in sample MW-7S.

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Laboratory Control Sample: The relative percent differences for target compounds were below the allowable maximum and percent recoveries were within QC limits for aqueous samples WG1963468-2/3 and WG1964121-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target compounds either as not detected or below the lowest standard; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked compound and surrogate results were within GC/MS quantitation limits.

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-1S (L2447503-01)	31	26	64	72	67	72	0
MW-2S (L2447503-02)	25	24	100	85	39	92	0
MW-3S (L2447503-03)	14*	18	58	64	27	67	1
MW-4D (L2447503-04)	38	28	63	70	73	66	0
MW-5S (L2447503-05)	41	30	69	78	85	75	0
MW-6D (L2447503-06)	12*	14	67	74	26	76	1
MW-7S (L2447503-07)	11*	13	66	73	22	70	1
MW-8S (L2447503-08)	44	32	70	76	85	72	0
DUP (L2447503-09)	39	29	66	73	74	70	0
FIELD BLANK (L2447503-10)	41	29	64	70	78	70	0
EQUIPMENT BLANK (L2447503-11)	15*	19	61	65	32	63	1
WG1963468-1BLANK	42	32	66	69	84	75	0
WG1963468-2LCS	48	37	67	72	92	74	0
WG1963468-3LCSD	47	37	65	69	87	70	0
MW-7SMS	36	32	67	72	72	75	0
MW-7SMSD	17*	21	69	75	32	76	1
WG1964121-1BLANK	51	35	93	88	68	94	0
WG1964121-2LCS	53	41	88	72	71	84	0
WG1964121-3LCSD	55	45	89	76	77	88	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER (LOW)
Lab Sample ID	: L2447503-07	Analysis Date	: 08/25/24 19:00
Matrix Spike	: WG1963468-4	MS Analysis Date	: 08/25/24 19:17
Matrix Spike Dup	: WG1963468-5	MSD Analysis Date	: 08/25/24 19:33

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	ND	20	15	75	20	15	75	0	40-140	40
2-Chloronaphthalene	ND	20	13	65	20	14	70	7	40-140	40
Fluoranthene	ND	20	15	75	20	15	75	0	40-140	40
Hexachlorobutadiene	ND	20	11	55	20	11	55	0	40-140	40
Naphthalene	0.06J	20	13	65	20	13	65	0	40-140	40
Benzo(a)anthracene	ND	20	17	85	20	17	85	0	40-140	40
Benzo(a)pyrene	ND	20	15	75	20	15	75	0	40-140	40
Benzo(b)fluoranthene	ND	20	15	75	20	15	75	0	40-140	40
Benzo(k)fluoranthene	ND	20	15	75	20	15	75	0	40-140	40
Chrysene	ND	20	16	80	20	16	80	0	40-140	40
Acenaphthylene	ND	20	13	65	20	14	70	7	40-140	40
Anthracene	ND	20	16	80	20	17	85	6	40-140	40
Benzo(ghi)perylene	ND	20	18	90	20	18	90	0	40-140	40
Fluorene	ND	20	14	70	20	15	75	7	40-140	40
Phenanthrene	ND	20	16	80	20	16	80	0	40-140	40
Dibenzo(a,h)anthracene	ND	20	18	90	20	18	90	0	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	19	95	20	19	95	0	40-140	40
Pyrene	ND	20	15	75	20	15	75	0	40-140	40
2-Methylnaphthalene	ND	20	13	65	20	13	65	0	40-140	40
Pentachlorophenol	ND	20	6.7	34 Q	20	1.1	6 Q	144 Q	40-140	40
Hexachlorobenzene	ND	20	18	90	20	19	95	5	40-140	40
Hexachloroethane	ND	20	10	50	20	10	50	0	40-140	40

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Lab ID	: WG1964121-1	Date Collected	: NA
Client ID	: WG1964121-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 08/27/24 08:48
Sample Matrix	: WATER	Date Extracted	: 08/26/24
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 964121-1	Analyst	: RP
Sample Amount	: 100 ml	Instrument ID	: SV120
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	0.03	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.03	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.06	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.06	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	0.50	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

1,4-Dioxane

Data Section

ALPHA GEOSCIENCE

Geology
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Water Supply

QA/QC Review of Method 8270D SIM 1,4-Dioxane
Data for Alpha Analytical, SDG Number: L2447503

4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Initial Calibration: The average RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %RSDs were below the allowable maximum (30%), as required.

Continuing Calibration: The RRFs for 1,4-dioxane were above the allowable minimum (0.010) and the %Ds were below the allowable maximum (20%), as required.

Blanks: The analyses of the method, field, and equipment blanks reported 1,4-dioxane as not detected.

Internal Standard Area Summary: The internal standard areas and retention times were within control limits.

Surrogate Recovery: The surrogate recoveries were within control limits for the ground water samples, field blank, and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-7S.

Laboratory Control Sample: The relative percent difference for 1,4-dioxane was below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1963994-2/3 and WG1964624-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported 1,4-dioxane as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Compound ID: Checked surrogate and 1,4-dioxane results were within quantitation limits.

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Pesticide Data Section

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Remediation
Water Supply

QA/QC Review of Method 8081B Pesticide
Data for Alpha Analytical Labs
SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method, field, and equipment blanks reported target pesticides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples and field blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous MS/MSD sample MW-7S.

Laboratory Control Sample: The relative percent differences for target pesticides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1963569-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target pesticides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs were below the allowable maximum (20%) or the correlation coefficients were above the allowable minimum (0.995) for applicable pesticides on both columns, as required.

Continuing Calibration: The %D for trans-chlordane was above the allowable maximum (20%) for channel A on 08-26-24 (11240826a-03). The %Ds for 8 pesticides (highlighted yellow on attached Form 7) were above the allowable maximum (20%) for channel B on 08-26-24 (11240826a-03). The average %D for chlordane was above the allowable maximum (20%) for channel A on 08-26-24 (11240826a-04). The average %D for toxaphene was

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above the allowable maximum (20%) for channel A on 08-26-24 (11240826a-05). The average %D for toxaphene was above the allowable maximum (20%) for channel A on 08-26-24 (20240826a-05). The %D for endrin aldehyde was above the allowable maximum (20%) for channel A on 08-26-24 (18240826a-29). Positive results for these pesticides should be considered estimated (J) in associated samples.

DDT/Endrin Breakdown Check: The percent breakdowns were below the allowable maximum (20%) for 4,4'-DDT and endrin, as required.

Pesticide Identification Summary for Single Component Analytes: Checked surrogate results were within quantitation limits. The analyses of ground water samples reported target single component pesticides as not detected.

Pesticide Identification Summary for Multi-Component Analytes: The analyses of ground water samples reported target multi-component pesticides as not detected.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST11		Calibration Date	: 08/26/24 06:02	
Lab File ID	: 11240826a-03		Init. Calib. Date(s)	: 08/01/24	08/01/24
Sample No	: WG1963716-1		Init. Calib. Times	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	99	0
2,4,5,6-Tetrachloro-m-xylen	1.039	1.068	-	-2.8	20	99	0
Hexachlorobenzene	1.406	1.134	-	19.3	20	81	0
alpha-BHC	1.461	1.588	-	-8.7	20	97	0
gamma-BHC (lindane)	1.395	1.423	-	-2	20	94	0
beta-BHC	0.628	0.61	-	2.9	20	96	0
delta-BHC	1.374	1.404	-	-2.2	20	92	0
Heptachlor	1.321	1.424	-	-7.8	20	101	0
Aldrin	1.233	1.361	-	-10.4	20	102	0
Alachlor	0.23	0.198	-	13.9	20	84	0
Chlorpyrifos	0.59	0.634	-	-7.5	20	113	0
Heptachlor Epoxide	1.185	1.251	-	-5.6	20	100	0
gamma-Chlordane (trans)	1.077	1.316	-	-22.2*	20	117	0
alpha-Chlordane (cis)	1.216	1.297	-	-6.7	20	102	0
4,4'-DDE	1.192	1.278	-	-7.2	20	100	0
Endosulfan I	1.116	1.184	-	-6.1	20	101	0
Dieldrin	1.135	1.342	-	-18.2	20	110	0
Endrin	1.153	1.252	-	-8.6	20	101	0
4,4'-DDD	0.927	1.069	-	-15.3	20	108	0
Endosulfan II	1.052	1.154	-	-9.7	20	103	0
4,4'-DDT	1.058	1.141	-	-7.8	20	101	0
Endrin Aldehyde	0.886	0.824	-	7	20	90	0
Methoxychlor	0.592	0.622	-	-5.1	20	106	0
Mirex	0.938	1.011	-	-7.8	20	110	0
Endosulfan Sulfate	1.01	1.133	-	-12.2	20	110	0
Endrin Ketone	1.183	1.29	-	-9	20	104	0
Decachlorobiphenyl	1.163	1.083	-	6.9	20	100	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST11		Calibration Date	: 08/26/24 06:02	
Lab File ID	: 11240826a-03		Init. Calib. Date(s)	: 08/01/24	08/01/24
Sample No	: WG1963716-1		Init. Calib. Times	: 18:37	23:11
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	95	0
2,4,5,6-Tetrachloro-m-xyl	1.114	0.994	-	10.8	20	85	0
Hexachlorobenzene	1.239	1.05	-	15.3	20	85	0
alpha-BHC	1.62	1.438	-	11.2	20	79	0
gamma-BHC (lindane)	1.539	1.287	-	16.4	20	78	0
beta-BHC	50	44.509	-	11	20	81	0
delta-BHC	1.523	1.264	-	17	20	76	0
Heptachlor	1.598	1.259	-	21.2*	20	75	0
Aldrin	1.435	1.181	-	17.7	20	76	0
Alachlor	50	51.81	-	-3.6	20	89	0
Chlorpyrifos	50	42.432	-	15.1	20	75	0
Heptachlor Epoxide	1.425	1.099	-	22.9*	20	75	0
gamma-Chlordane (trans)	1.312	1.136	-	13.4	20	86	0
alpha-Chlordane (cis)	1.446	1.115	-	22.9*	20	76	0
4,4'-DDE	1.343	1.091	-	18.8	20	75	0
Endosulfan I	1.332	1.034	-	22.4*	20	76	0
Dieldrin	1.327	1.16	-	12.6	20	82	0
Endrin	1.347	1.092	-	18.9	20	76	0
4,4'-DDD	1.084	0.922	-	14.9	20	80	0
Endosulfan II	1.214	0.993	-	18.2	20	80	0
4,4'-DDT	1.25	0.969	-	22.5*	20	73	0
Endrin Aldehyde	50	38.291	-	23.4*	20	71	0
Methoxychlor	0.704	0.52	-	26.1*	20	76	0
Mirex	50	45.291	-	9.4	20	83	0
Endosulfan Sulfate	1.199	0.951	-	20.7*	20	80	0
Endrin Ketone	1.261	1.107	-	12.2	20	85	0
Decachlorobiphenyl	1.06	0.851	-	19.7	20	84	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST11		Calibration Date	: 08/26/24 06:13	
Lab File ID	: 11240826a-04		Init. Calib. Date(s)	: 08/01/24	08/01/24
Sample No	: WG1963716-2		Init. Calib. Times	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Chlordane	1	1	-	0	20	94	0
chlordane-1	1000	1355.804	-	-35.6*	20	124	0
chlordane-3	1000	1361.811	-	-36.2*	20	120	0
chlordane-4	1000	1423.28	-	-42.3*	20	128	0
chlordane-5	1000	1595.999	-	-59.6*	20	142	0

Average %D = 43.4%

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST11		Calibration Date	: 08/26/24 06:25	
Lab File ID	: 11240826a-05		Init. Calib. Date(s)	: 08/01/24	08/01/24
Sample No	: WG1963716-3		Init. Calib. Times	: 18:37	23:11
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	95	0
toxaphene-2	2000	2960.415	-	-48*	20	137	0
toxaphene-3	2000	2707.13	-	-35.4*	20	125	0
toxaphene-4	2000	2385.938	-	-19.3	20	112	0
toxaphene-5	2000	2708.131	-	-35.4*	20	125	0

Average %D = 34.5%

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST20		Calibration Date	: 08/26/24 08:11	
Lab File ID	: 20240826a-05		Init. Calib. Date(s)	: 07/22/24	07/22/24
Sample No	: WG1963797-3		Init. Calib. Times	: 18:09	22:55
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Toxaphene	1	1	-	0	20	121	0
toxaphene-1	2000	2451.155	-	-22.6*	20	137	0
toxaphene-2	2000	2485.996	-	-24.3*	20	140	0
toxaphene-4	2000	2246.69	-	-12.3	20	127	0
toxaphene-5	2000	2448.349	-	-22.4*	20	140	0

Average %D = 20.4%

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST18		Calibration Date	: 08/26/24 12:09	
Lab File ID	: 18240826a-29		Init. Calib. Date(s)	: 08/15/24	08/15/24
Sample No	: WG1963730-4		Init. Calib. Times	: 14:05	18:28
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1-br-2-nb_Pesticides	1	1	-	0	20	132	0
2,4,5,6-Tetrachloro-m-xylen	1.22	1.042	-	14.6	20	113	0
Hexachlorobenzene	1.431	1.239	-	13.4	20	116	0
alpha-BHC	1.531	1.395	-	8.9	20	114	0
gamma-BHC (lindane)	1.404	1.236	-	12	20	113	0
beta-BHC	0.638	0.555	-	13	20	116	0
delta-BHC	1.404	1.228	-	12.5	20	111	0
Heptachlor	1.315	1.182	-	10.1	20	115	0
Aldrin	1.284	1.193	-	7.1	20	117	0
Alachlor	0.194	0.232	-	-19.6	20	159	0
Chlorpyrifos	50	53.668	-	-7.3	20	117	0
Heptachlor Epoxide	1.161	1.032	-	11.1	20	114	0
gamma-Chlordane (trans)	1.14	1.121	-	1.7	20	129	0
alpha-Chlordane (cis)	1.273	1.102	-	13.4	20	112	0
4,4'-DDE	1.268	1.132	-	10.7	20	112	0
Endosulfan I	1.138	0.991	-	12.9	20	111	0
Dieldrin	1.209	1.14	-	5.7	20	120	0
Endrin	1.209	1.041	-	13.9	20	109	0
4,4'-DDD	0.982	0.894	-	9	20	115	0
Endosulfan II	1.096	0.949	-	13.4	20	111	0
4,4'-DDT	1.107	0.897	-	19	20	102	0
Endrin Aldehyde	0.923	0.7	-	24.2*	20	97	0
Methoxychlor	50	46.099	-	7.8	20	103	0
Mirex	50	45.574	-	8.9	20	110	0
Endosulfan Sulfate	1.087	0.936	-	13.9	20	110	0
Endrin Ketone	1.216	1.015	-	16.5	20	107	0
Decachlorobiphenyl	50	43.854	-	12.3	20	109	0

* Value outside of QC limits.

PCB Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 8082A PCB
Data for Alpha Analytical Labs
SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW-846 holding times.

Blanks: The analyses of the method and field blanks reported target aroclors as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the ground water samples, field blank, and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximum and percent recoveries were within QC limits for aqueous MS/MSD sample MW-7S.

Laboratory Control Sample: The relative percent differences for aroclor 1016 and aroclor 1260 were below the allowable maximums and percent recoveries were within QC limits for aqueous samples WG1963690-2/3.

Initial Calibration: The average %RSDs for target aroclors were below the allowable maximum (20%) on both columns, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target aroclors as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Continuing Calibration: The average %Ds for aroclor 1016 and aroclor-1260 were below the allowable maximum (20%) for both columns, as required.

PCB Identification Summary: Checked surrogate results were within quantitation limits. The analyses of the ground water samples reported target aroclors as not detected.

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PFAS

Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Method 1633 PFAS Data
for Alpha Analytical Labs SDG Number: L2447503

4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were analyzed within USEPA holding times.

Initial Calibration: The %RSDs for applicable PFASs were below the method maximum (20%) or the R or R squared were above the method minimums, as required.

Continuing Calibration: The percent recovery for 3:3FTCA was above QC limits (70-130%) on 09-17-24 (SCI05_240917_06). The percent recoveries for PFDoS and PFMPA were above QC limits (70-130%) on 09-17-24 (SCI05_240917_25). Positive results for these PFAS should be considered estimated, biased high (J+) in associated samples.

Blanks: The analyses of method, field, and equipment blanks reported target PFAS as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits for the ground samples, field blank, and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target PFAS were above the allowable maximum, but 1 of 2 percent recoveries for 3:3FTCA was above QC limits for aqueous MS/MSD sample MW-7S. Sample MW-7S reported 3:3FTC as "not detected"; therefore, no action is taken.

Laboratory Control Sample: The percent recoveries for target PFAS were within QC limits for aqueous samples WG1971858-2 and WG1971858-3.

Field Duplicates: The relative percent differences for PFOS and PFOA were below the allowable maximum (20%) for aqueous field duplicate pair MW-5S/DUP (attached table), as required.

Compound ID: Checked detected surrogate and detected results were within LC quantitation limits.

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Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2447503-07	Analysis Date	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	MS Analysis Date	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	MSD Analysis Date	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
Perfluorobutanoic Acid (PFBA)	10.2	71.8	88.7	109	72.6	91.8	112	3	40-150	30
Perfluoropentanoic Acid (PFPeA)	11.9	35.9	51.2	110	36.3	53.1	113	4	40-150	30
Perfluorobutanesulfonic Acid (PFBS)	3.53	15.9	20.6	107	16.1	21.4	111	4	40-150	30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	67.3	63.8	95	68.1	68.1	100	7	40-150	30
Perfluorohexanoic Acid (PFHxA)	11.2	17.9	26.9	88	18.2	26.8	86	0	40-150	30
Perfluoropentanesulfonic Acid (PFPeS)	1.89	16.9	20.4	110	17.1	21.0	112	3	40-150	30
Perfluoroheptanoic Acid (PFHpA)	11.9	17.9	29.0	95	18.2	30.7	104	6	40-150	30
Perfluorohexanesulfonic Acid (PFHxS)	14.4	16.4	31.1	102	16.6	32.7	110	5	40-150	30
Perfluorooctanoic Acid (PFOA)	25.7	17.9	45.0	108	18.2	48.8	127	8	40-150	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	68.2	77.0	113	69	81.1	118	5	40-150	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	17.1	19.8	116	17.3	22.4	129	12	40-150	30
Perfluorononanoic Acid (PFNA)	1.17J	17.9	20.7	109	18.2	21.3	111	3	40-150	30
Perfluorooctanesulfonic Acid (PFOS)	4.92	16.6	21.2	98	16.8	24.0	113	12	40-150	30
Perfluorodecanoic Acid (PFDA)	ND	17.9	18.7	104	18.2	20.2	111	8	40-150	30
1H,1H,2H,2H-Perfluorodecanesulfon	ND	68.9	76.8	111	69.7	90.9	130	17	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2447503-07	Analysis Date	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	MS Analysis Date	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	MSD Analysis Date	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
ic Acid (8:2FTS)										
Perfluorononanesulfonic Acid (PFNS)	ND	17.2	16.1	93	17.5	19.1	109	17	40-150	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	17.9	20.2	113	18.2	23.6	130	16	40-150	30
Perfluoroundecanoic Acid (PFUnA)	ND	17.9	19.3	108	18.2	21.3	117	10	40-150	30
Perfluorodecanesulfonic Acid (PFDS)	ND	17.3	14.4	83	17.5	16.8	96	15	40-150	30
Perfluorooctanesulfonamide (PFOSA)	ND	17.9	17.9	100	18.2	19.7	108	10	40-150	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	17.9	16.8	94	18.2	19.0	105	12	40-150	30
Perfluorododecanoic Acid (PFDoA)	ND	17.9	12.7	71	18.2	14.7	81	15	40-150	30
Perfluorotridecanoic Acid (PFTrDA)	ND	17.9	13.1	73	18.2	14.4	79	9	40-150	30
Perfluorotetradecanoic Acid (PFTeDA)	ND	17.9	17.6	98	18.2	19.2	106	9	40-150	30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND	71.8	82.9	116	72.6	86.5	119	4	40-150	30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND	67.8	82.4	122	68.6	84.5	123	3	40-150	30
Perfluorododecanesulfonic Acid	ND	17.4	15.5	89	17.6	17.2	98	10	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2447503-07	Analysis Date	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	MS Analysis Date	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	MSD Analysis Date	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(PFDoS)										
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND	67.1	71.5	107	67.9	68.8	101	4	40-150	30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND	67.8	57.0	84	68.6	56.1	82	2	40-150	30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND	17.9	18.2	101	18.2	20.1	111	10	40-150	30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND	17.9	18.1	101	18.2	21.9	121	19	40-150	30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND	179	172	96	182	196	108	13	40-150	30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND	179	170	95	182	194	107	13	40-150	30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND	35.9	45.3	126	36.3	48.5	134	7	40-150	30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND	35.9	40.0	111	36.3	42.3	116	6	40-150	30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND	31.9	30.5	96	32.3	33.1	102	8	40-150	30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND	35.9	38.7	108	36.3	42.8	118	10	40-150	30
3-Perfluoropropyl Propanoic Acid	ND	89.7	129	144	90.8	137	151 Q	6	40-150	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-7S	Matrix (Level)	: WATER ()
Lab Sample ID	: L2447503-07	Analysis Date	: 09/17/24 09:04
Matrix Spike	: WG1971858-4	MS Analysis Date	: 09/17/24 09:17
Matrix Spike Dup	: WG1971858-5	MSD Analysis Date	: 09/17/24 09:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
(3:3FTCA)										
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND	448	447	100	454	481	106	7	40-150	30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND	448	335	75	454	368	81	9	40-150	30

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: LCMS05		Calibration Date	: 09/17/24 06:02	
Lab File ID	: SCI05_240917_06		Init. Calib. Date(s)	: 08/13/24	08/13/24
Sample No	: WG1972379-3		Init. Calib. Times	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.850	10.000	108.5	70-130
Perfluoropentanoic Acid (PFPeA)	5.823	5.000	116.5	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.474	2.217	111.6	70-130
Perfluorohexanoic Acid (PFHxA)	2.765	2.500	110.6	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	7.704	9.375	82.2	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.425	2.353	103.1	70-130
Perfluoroheptanoic Acid (PFHpA)	2.699	2.500	108	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.307	2.285	101	70-130
Perfluorooctanoic Acid (PFOA)	2.480	2.500	99.2	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.161	9.500	107	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.649	2.382	111.2	70-130
Perfluorononanoic Acid (PFNA)	2.770	2.500	110.8	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.476	2.320	106.7	70-130
Perfluorodecanoic Acid (PFDA)	2.783	2.500	111.3	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	11.366	9.600	118.4	70-130
Perfluorononanesulfonic Acid (PFNS)	2.825	2.405	117.5	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.046	2.500	121.8	70-130
Perfluoroundecanoic Acid (PFUnA)	2.741	2.500	109.6	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.546	2.413	105.6	70-130
Perfluorooctanesulfonamide (PFOSA)	2.645	2.500	105.8	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.736	2.500	109.4	70-130
Perfluorododecanoic Acid (PFDoA)	2.016	2.500	80.6	70-130
Perfluorotridecanoic Acid (PFTrDA)	2.048	2.500	81.9	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.659	2.500	106.4	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	11.066	10.000	110.7	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	10.006	9.450	105.9	70-130
Perfluorododecanesulfonic Acid (PFDoS)	2.744	2.425	113.2	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.041	9.350	118.1	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	10.938	9.450	115.7	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	2.765	2.500	110.6	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.624	2.500	105	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	25.504	25.000	102	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	25.863	25.000	103.5	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.001	5.000	120	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.267	5.000	105.3	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.324	4.450	119.7	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	5.987	5.000	119.7	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16.260	12.500	130.1*	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	71.486	62.500	114.4	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	49.781	62.500	79.7	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.141	10.000	101.4	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.566	5.000	111.3	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.285	2.330	98.1	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: LCMS05		**Calibration Date**	: 09/17/24 06:02	
Lab File ID	: SCI05_240917_06		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972379-3		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	5.599	4.690	119.4	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.376	2.500	95	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.468	2.500	98.7	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.431	2.370	102.6	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.605	2.500	104.2	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.585	4.755	96.4	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.211	1.250	96.9	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.365	2.395	98.7	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.242	1.250	99.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	5.183	4.800	108	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	2.856	5.000	57.1*	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.330	1.250	106.4	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.711	2.500	108.4	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.176	5.000	103.5	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.739	1.250	139.1*	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	1.289	1.250	103.1	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.208	10.000	102.1	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.808	2.500	112.3	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.862	2.500	114.5	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	30.975	25.000	123.9	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	29.515	25.000	118.1	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	1.194	2.500	47.8*	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.055	2.500	122.2	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	3.014	2.500	120.6	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	3.000	2.395	125.3	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.606	1.250	128.5	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.486	5.000	129.7	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.663	1.250	133*	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	3.008	2.370	126.9	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	2.351	5.000	47*	70-130

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: LCMS05		Calibration Date	: 09/17/24 10:08	
Lab File ID	: SCI05_240917_25		Init. Calib. Date(s)	: 08/13/24	08/13/24
Sample No	: WG1972379-8		Init. Calib. Times	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
Perfluorobutanoic Acid (PFBA)	10.724	10.000	107.2	70-130
Perfluoropentanoic Acid (PFPeA)	6.110	5.000	122.2	70-130
Perfluorobutanesulfonic Acid (PFBS)	2.346	2.217	105.8	70-130
Perfluorohexanoic Acid (PFHxA)	2.472	2.500	98.9	70-130
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	8.801	9.375	93.9	70-130
Perfluoropentanesulfonic Acid (PFPeS)	2.444	2.353	103.9	70-130
Perfluoroheptanoic Acid (PFHpA)	2.676	2.500	107	70-130
Perfluorohexanesulfonic Acid (PFHxS)	2.405	2.285	105.3	70-130
Perfluorooctanoic Acid (PFOA)	2.416	2.500	96.7	70-130
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	10.130	9.500	106.6	70-130
Perfluoroheptanesulfonic Acid (PFHpS)	2.386	2.382	100.1	70-130
Perfluorononanoic Acid (PFNA)	2.743	2.500	109.7	70-130
Perfluorooctanesulfonic Acid (PFOS)	2.259	2.320	97.4	70-130
Perfluorodecanoic Acid (PFDA)	2.617	2.500	104.7	70-130
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	11.515	9.600	119.9	70-130
Perfluorononanesulfonic Acid (PFNS)	2.656	2.405	110.4	70-130
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	3.177	2.500	127.1	70-130
Perfluoroundecanoic Acid (PFUnA)	2.791	2.500	111.7	70-130
Perfluorodecanesulfonic Acid (PFDS)	2.585	2.413	107.1	70-130
Perfluorooctanesulfonamide (PFOSA)	2.573	2.500	102.9	70-130
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.945	2.500	117.8	70-130
Perfluorododecanoic Acid (PFDoA)	1.999	2.500	80	70-130
Perfluorotridecanoic Acid (PFTrDA)	2.808	2.500	112.3	70-130
Perfluorotetradecanoic Acid (PFTeDA)	2.528	2.500	101.1	70-130
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid (HFPO-DA)	11.064	10.000	110.6	70-130
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	9.800	9.450	103.7	70-130
Perfluorododecanesulfonic Acid (PFDoS)	4.337	2.425	178.9*	70-130
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	11.320	9.350	121.1	70-130
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	11.269	9.450	119.2	70-130
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	2.613	2.500	104.5	70-130
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	2.667	2.500	106.7	70-130
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	26.774	25.000	107.1	70-130
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	26.947	25.000	107.8	70-130
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	6.631	5.000	132.6*	70-130
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	5.246	5.000	104.9	70-130
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	5.148	4.450	115.7	70-130
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	5.697	5.000	113.9	70-130
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	16.089	12.500	128.7	70-130
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	72.908	62.500	116.7	70-130
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	46.791	62.500	74.9	70-130
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	10.175	10.000	101.8	70-130
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	5.347	5.000	106.9	70-130
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	2.427	2.330	104.2	70-130

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: LCMS05		**Calibration Date**	: 09/17/24 10:08	
Lab File ID	: SCI05_240917_25		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1972379-8		**Init. Calib. Times**	: 21:50	23:32
Channel	:				

Compound	Concentration (ng/ml)	True Value (ng/ml)	% Recovery	QC Limits
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	4.494	4.690	95.8	70-130
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	2.383	2.500	95.3	70-130
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	2.495	2.500	99.8	70-130
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	2.428	2.370	102.5	70-130
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	2.614	2.500	104.6	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	4.298	4.755	90.4	70-130
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	1.210	1.250	96.8	70-130
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	2.476	2.395	103.4	70-130
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	1.243	1.250	99.4	70-130
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	4.750	4.800	99	70-130
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	2.928	5.000	58.6*	70-130
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	1.323	1.250	105.9	70-130
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	2.575	2.500	103	70-130
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	5.029	5.000	100.6	70-130
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	1.983	1.250	158.6*	70-130
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	2.335	1.250	186.8*	70-130
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	10.530	10.000	105.3	70-130
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	2.691	2.500	107.6	70-130
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	2.734	2.500	109.4	70-130
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	29.735	25.000	118.9	70-130
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	28.835	25.000	115.3	70-130
Perfluoro-[1,2-13C2]octanoic Acid (13C2-PFOA)	1.168	2.500	-	70-130
Perfluoro-n-[1,2-13C2]Hexanoic Acid (13C2-PFHxA)	3.134	2.500	125.4	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanoic Acid (13C4-PFOA)	3.076	2.500	123.1	70-130
Perfluoro-n-[1,2,3,4-13C4]Octanesulfonic Acid (13C4-PFOS)	3.177	2.395	132.6*	70-130
Perfluoro-n-[1,2-13C2]Decanoic Acid (13C2-PFDA)	1.757	1.250	140.6*	70-130
Perfluoro-n-[2,3,4-13C3]Butanoic Acid (13C3-PFBA)	6.635	5.000	132.7*	70-130
Perfluoro-n-[1,2,3,4,5-13C5]Nonanoic Acid (13C5-PFNA)	1.717	1.250	137.3*	70-130
Perfluoro-1-hexane[18O2]Sulfonic Acid (18O2-PFHxS)	3.010	2.370	127	70-130
1H,1H,2H,2H-Perfluoro[1,2-13C2D4]Hexanesulfonic Acid (13C2D4-4:2FTS)	1.950	5.000	-	70-130

*** Value outside of QC limits.**

Herbicide Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of 8151 Herbicide
Data for Alpha Analytical Labs
SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were extracted and analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported target herbicides as not detected.

Surrogate Recovery: The surrogate recoveries were within QC limits on both columns for the ground water samples, field blank, and equipment blank.

Matrix Spike/Matrix Spike Duplicate: The relative percent differences for target herbicides were below the allowable maximum and percent recoveries were within QC limits for aqueous MS/MSD sample MW-7S.

Laboratory Control Sample: The relative percent differences for target herbicides were below the allowable maximum and the percent recoveries were within QC limits for aqueous samples WG1963640-2/3 and WG1964244-2/3.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported target herbicides as not detected; therefore, valid relative percent differences could not be calculated. The analyses for the field duplicate pair were acceptable.

Initial Calibration: The %RSDs for target herbicides were below the allowable maximum (20%) for both columns, as required.

Continuing Calibration: The %Ds for 2,4-D and 2,4,5-T were above the allowable maximum (15%) for channel A on 08-27-24 (17240827a-01). The %D for 2,4,5-T was above the allowable maximum (15%) for channel B on 08-27-24 (17240827a-01). Positive results for 2,4-D and 2,4,5-TP should be considered estimated (J) in associated samples.

Herbicide Identification Summary: Checked surrogates were within GC quantitation limits. The analyses of ground water samples reported target herbicides as not detected.

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Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST17		Calibration Date	: 08/27/24 06:09	
Lab File ID	: 17240827a-01		Init. Calib. Date(s)	: 07/12/24	07/12/24
Sample No	: WG1964271-1		Init. Calib. Times	: 14:41	16:13
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	112	0
Dalapon	0.147	0.209	-	-42.2*	15	163	0
DCAA (surrogate)	0.164	0.183	-	-11.6	15	124	0
Dicamba	0.547	0.548	-	-0.2	15	114	0
MCPP	0.00077	0.00067	-	13	15	93	0
MCPA	18.6	15.481	-	16.8*	15	92	0
Dichloroprop	0.153	0.178	-	-16.3*	15	135	0
2,4-D	0.176	0.203	-	-15.3*	15	134	0
2,4,5-TP (Silvex)	0.661	0.738	-	-11.6	15	128	0
2,4,5-T	0.607	0.72	-	-18.6*	15	137	0
2,4-DB	0.1	0.107	-	-7	15	123	0
Dinoseb	0.28	0.508	-	-81.4*	15	205	0

* Value outside of QC limits.

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		Lab Number	: L2447503	
Project Name	: HUNTINGTON READY MIX		Project Number	: 20116	
Instrument ID	: PEST17		Calibration Date	: 08/27/24 06:09	
Lab File ID	: 17240827a-01		Init. Calib. Date(s)	: 07/12/24	07/12/24
Sample No	: WG1964271-1		Init. Calib. Times	: 14:41	16:13
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	101	0
Dalapon	0.205	0.218	-	-6.3	15	111	0
DCAA (surrogate)	0.204	0.202	-	1	15	99	0
Dicamba	0.597	0.574	-	3.9	15	98	0
MCPP	0.00074	0.00071	-	4.1	15	95	0
MCPA	18.6	18.399	-	1.1	15	94	0
Dichloroprop	0.189	0.189	-	0	15	101	0
2,4-D	0.23	0.226	-	1.7	15	99	0
2,4,5-TP (Silvex)	0.826	0.759	-	8.1	15	92	0
2,4,5-T	0.791	0.655	-	17.2*	15	84	0
2,4-DB	0.13	0.119	-	8.5	15	93	0
Dinoseb	0.479	0.44	-	8.1	15	94	0

* Value outside of QC limits.

Metals Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of TAL Metals Data
for Alpha Analytical Labs
SDG Number: L2447503

8 Ground Water Samples, 1 Field Duplicate,
1 Equipment Blank, and 1 Field Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for target metals were within control limits (90-110% for all metals except Hg, 80-120% for Hg).

Blanks: The analyses of initial and continuing calibration, method, field, and equipment blanks reported target metals as either not detected or below the reporting limits, as required.

ICP Interference Check Sample: The percent recoveries for applicable metals were within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for applicable metals were within control limits (75-125%) for aqueous total and dissolved spike sample MW-7S.

Laboratory Duplicates: The relative percent differences for applicable metals were below the allowable maximum (20%) for aqueous total and dissolved duplicate sample MW-7S, as required.

Field Duplicates: The relative percent differences (RPDs) for applicable metals were below the allowable maximum (20%) for aqueous dissolved field duplicate pair MW-5S/DUP (attached table), as required.

The RPD for barium was above the allowable maximum (20%) for aqueous total field duplicate pair MW-5S/DUP (attached table). Positive total results for barium should be considered estimated (J) in samples MW-5S and DUP.

Laboratory Control Sample: The percent recoveries for target metals were within control limits (80-120%) for aqueous total samples WG1962897-2 and WG1962900-2, and aqueous dissolved samples WG1963944-2 and WG1963948-2.

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Serial Dilution: The %Ds for applicable metals were below the allowable maximum (10%) for aqueous total dissolved and total serial dilution sample MW-7S, as required.

Total vs Dissolved: The dissolved result for potassium was greater than the total results plus 10% for sample DUP. The dissolved results for manganese were greater than the total results plus 10% for samples MW-1S, MW-5S, and DUP. The dissolved results for copper were greater than the total results plus 10% for samples MW-3S and MW-8S. The dissolved results for chromium and cobalt were greater than the total results plus 10% for sample MW-7S. Positive results for total and dissolved metals should be considered estimated (J) in the samples.

Sample MW-7S reported dissolved iron above the RL and total iron as "not detected". The positive and "not detected" results for iron should be considered estimated (J, UJ).

General Chemistry
Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Alkalinity Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analyses of the method blanks reported carbonate and bicarbonate alkalinity as not detected.

Laboratory Duplicates: The relative percent difference for bicarbonate alkalinity was below the allowable maximum (20%) for aqueous duplicate sample MW-8S, as required.

Field Duplicates: The relative percent difference for bicarbonate alkalinity was above the allowable maximum (20%) for aqueous field duplicate pair MW-5S/DUP (attached table). Positive results for bicarbonate alkalinity should be considered estimated (J) in samples MW-5S and DUP.

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ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Iodide Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for iodide were within control limits (90-110%).

Blanks: The analyses of the initial, continuing, and method blanks reported iodide as not detected.

Spike Sample Recovery: The percent recoveries for iodide were within acceptance limits (75-125%) for aqueous MS/MSD sample MW-1S.

Laboratory Duplicates: The relative percent difference for iodide was below the allowable maximum (20%) for aqueous MS/MSD sample MW-1S, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported iodide as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for iodide were within laboratory QC limits (80-120%) for aqueous sample 3691621LCS.

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Remediation
Water Supply

QA/QC Review of Ammonia Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analyses of the method blanks reported ammonia as either below the reporting limit or not detected, as required.

Spike Sample Recovery: The percent recoveries for ammonia were within acceptable limits (75-125%) for aqueous spike samples MW-5S and MW-8S.

Laboratory Duplicates: The relative percent differences for ammonia were above the allowable maximum (20%) for aqueous duplicate samples MW-5S and MW-8S. Positive results for ammonia should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported ammonia as below the lowest standard; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recoveries for ammonia were within laboratory QC limits (90-110%) for aqueous samples WG1963694-2 and WG1964148-3.

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Form 6
Lab Duplicates

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-5S	Matrix	: WATER
Lab Sample ID	: L2447503-05	Analysis Date	: 08/26/24 11:31
Dup Sample ID	: WG1963694-4	DUP Analysis Date	: 08/26/24 11:33

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Ammonia	0.030J	0.220	152	20

Form 6
Lab Duplicates

Client	: Alpha Geoscience	Lab Number	: L2447503
Project Name	: HUNTINGTON READY MIX	Project Number	: 20116
Client Sample ID	: MW-8S	Matrix	: WATER
Lab Sample ID	: L2447503-08	Analysis Date	: 08/27/24 11:18
Dup Sample ID	: WG1964148-4	DUP Analysis Date	: 08/27/24 11:19

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Ammonia	0.169	0.301	56 Q	20

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Nitrate/Nitrite Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analyses of the method blanks reported nitrate/nitrite as not detected.

Spike Sample Recovery: The percent recovery for nitrate/nitrite was within acceptable limits (75-125%) for aqueous batch spike sample L2447249-01.

Laboratory Duplicates: The analysis of aqueous batch duplicate sample WG1963316-3.

Field Duplicates: The relative percent difference for nitrate/nitrite was below the allowable maximum (20%) for aqueous field duplicate pair MW-5S/DUP (attached table), as required.

Laboratory Control Sample: The percent recovery for nitrate/nitrite was within laboratory QC limits (90-110%) for aqueous sample WG1963316-2.

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ALPHA GEOSCIENCE

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QA/QC Review of Phosphate Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analyses of the method blanks reported phosphate as not detected.

Spike Sample Recovery: The percent recovery for phosphate was within acceptable limits (75-125%) for aqueous spike sample MW-6D.

Laboratory Duplicates: The relative percent difference for phosphate was below the allowable maximum (20%) for aqueous duplicate sample MW-6D, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported phosphate as below the lowest standard; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for phosphate within laboratory QC limits (84-118%) for aqueous sample WG1963968-2.

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QA/QC Review of Sulfide Data for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: All samples were analyzed beyond USEPA SW 846 holding times. The "not detected" results for all samples should be considered estimated (UJ).

Blanks: The analysis of the method blank reported sulfide as not detected.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported sulfide as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for sulfide was within laboratory QC limits (79.7-122%) for aqueous sample B384282-BS1.

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ALPHA GEOSCIENCE

Geology

Hydrology

Remediation

Water Supply

QA/QC Review of Total Kjeldahl Nitrogen Data (TKN) for Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported TKN as either not detected or below the RL.

Spike Sample Recovery: The percent recovery for TKN was within acceptable limits (75-125%) for aqueous spike sample DUP.

Laboratory Duplicates: The relative percent difference for TKN was above the allowable maximum (20%) for aqueous duplicate sample DUP. Positive results for TKN should be considered estimated (J) in associated aqueous samples.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported TKN as either not detected or below the lowest standard; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for TKN was within laboratory QC limits (78-122%) for aqueous sample WG1963015-2.

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Form 6
Lab Duplicates

Client	:	Alpha Geoscience	Lab Number	:	L2447503
Project Name	:	HUNTINGTON READY MIX	Project Number	:	20116
Client Sample ID	:	DUP	Matrix	:	WATER
Lab Sample ID	:	L2447503-09	Analysis Date	:	08/26/24 09:48
Dup Sample ID	:	WG1963015-3	DUP Analysis Date	:	08/26/24 09:50

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.109J	0.443	121	24

TDS Data Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Total Dissolved Solids Data (TDS) for Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported TDS as not detected.

Laboratory Duplicates: The relative percent differences for TDS were below the allowable maximum (20%) for aqueous batch duplicate samples WG1963687-3 and WG1963687-4.

Field Duplicates: The relative percent difference for TDS was above the allowable maximum (20%) for aqueous field duplicate pair MW-5S/DUP (attached table). Positive results for TDS should be considered estimated (J) in samples MW-5S and DUP.

Laboratory Control Sample: The percent recovery for TDS was within QC limits (80-120%) for aqueous sample WG1963687-2.

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Radiochemistry Section

ALPHA GEOSCIENCE

Geology
Hydrology
Remediation
Water Supply

QA/QC Review of Uranium Data
for Alpha Analytical Labs
SDG Number: L2447503

4 Ground Water Samples, 1 Field Duplicate,
1 Field Blank, and 1 Equipment Blank
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: The samples were analyzed within USEPA SW-846 holding times.

Initial and Continuing Calibration Verification: The percent recoveries for uranium were within control limits (90-110%).

Blanks: The analyses of initial and continuing calibration, method, field, and equipment blanks reported uranium not detected.

ICP Interference Check Sample: The percent recovery for uranium was within control limits (80-120%).

Spike Sample Recovery: The percent recoveries for uranium were within QC limits (70-130%) for aqueous batch MS/MSD sample L1771851.

Laboratory Duplicates: The relative percent differences for uranium were below the allowable maximum (20%) for aqueous batch MS/MSD samples L1771851-03, as required.

Field Duplicates: The analyses of aqueous field duplicate pair MW-5S/DUP reported uranium as not detected; therefore, a valid relative percent difference could not be calculated. The analyses for the field duplicate pair were acceptable.

Laboratory Control Sample: The percent recovery for uranium was within QC limits (85-115%) for aqueous samples R4119250-2.

Serial Dilution: The analysis of aqueous batch serial dilution sample was acceptable.

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ALPHA GEOSCIENCE

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QA/QC Review of Ion Chromatography Data* for
Alpha Analytical Labs, SDG Number: L2447503

8 Ground Water Samples and 1 Field Duplicate
Collected August 19-20, 2024

Prepared by: Donald Anné
October 17, 2024

Holding Times: Samples were analyzed within USEPA SW 846 holding times.

Blanks: The analysis of the method blank reported target analytes as either not detected or below the RLs.

Spike Sample Recovery: The percent recoveries for target analytes were within acceptable limits (75-125%) for the spike samples MW-5S.

Laboratory Duplicates: The relative percent differences for applicable analytes were below the allowable maximum (20%) for aqueous duplicate samples MW-5S, as required.

Field Duplicates: The relative percent differences for applicable target analytes were below the allowable maximum (20%) for aqueous field duplicate pair MW-5S/DUP (attached table), as required.

Laboratory Control Sample: The percent recoveries for target analytes were within laboratory QC limits (90-110%) for aqueous sample WG1963098-2.

* ion chromatography includes bromide, chloride, fluoride, and sulfate.

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Field Duplicate Calculation Section

Semi-Volatiles

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)
Phenol	**2.6**	**0.9**	NC

* RPD is above the allowable maximum 20%

Results are in units of ug/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

EPA Method 1633 PFC

Calculations for Field Duplicate Relative Percent Difference (RPD)

SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)
Perfluorobutanoic Acid (PFBA)	**1.21**	**1.22**	NC
Perfluoropentanoic Acid (PFPeA)	**1.55**	**1.59**	NC
Perfluorobutanesulfonic Acid (PFBS)	ND	**0.518**	NC
Perfluorohexanoic Acid (PFHxA)	1.64	**1.46**	NC
Perfluoroheptanoic Acid (PFHpA)	**1.16**	**1.23**	NC
Perfluorohexanesulfonic Acid (PFHxS)	**1.31**	**1.46**	NC
Perfluorooctanoic Acid (PFOA)	2.12	2.08	2%
Perfluorooctanesulfonic Acid (PFOS)	2.19	2.25	3%

* RPD is above the allowable maximum (20%)

All results are in ng/L.

Bold numbers were values that are below the CRQL or above the high standard.
ND - Not detected.
NC - Not calculated, both results must be within the linear range for valid RPDs to be calculated.

Radio Chemistries

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)	
Radium-226	0.449	ND	NC	
Radium-228	0.294	1.02	111%	*
Thorium-228	0.058	0.099	52%	*
Thorium-230	ND	ND	NC	
Thorium-232	ND	ND	NC	

* RPD is above the allowable maximum 20%.

Results are in units of pCi/L.

Bold numbers were values that are below the RL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

General Chemistries

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)	
Total Nitrogen	1.2	1.2	0%	
Nitrogen, Total Kjeldahl	ND	**0.109**	NC	
Nitrogen, Ammonia	**0.03**	**0.038**	NC	
Nitrogen, Nitrate/Nitrite	1.2	1.2	0%	
Solids, Total Dissolved	38	18	71%	*
Sulfide	ND	ND	NC	
Alkalinity, Carbonate	ND	ND	NC	
Alkalinity, Bicarbonate	10.5	14.1	29%	*
Phosphate, Total	**0.012**	**0.012**	NC	
Bromide	ND	ND	NC	
Chloride	8.12	8.28	2%	
Fluoride	ND	ND	NC	
Sulfate	7.95	8.14	2%	
Iodide	ND	ND	NC	
Uranium	ND	ND	NC	

* RPD is above the allowable maximum 20%.

Results are in units of mg/L with the exception of alkalinity which is reported in mg CaCO3/L .

Bold numbers were values that are below the RL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

TAL Metals-Total

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)	
aluminum	**0.00954**	**0.00455**	NC	
antimony	ND	ND	NC	
arsenic	ND	ND	NC	
barium	0.00833	0.00442	61%	*
beryllium	ND	ND	NC	
cadmium	ND	ND	NC	
calcium	6.72	6.38	5%	
chromium	**0.00018**	**0.0002**	NC	
cobalt	ND	ND	NC	
copper	ND	ND	NC	
iron	ND	ND	NC	
lead	ND	ND	NC	
magnesium	1.13	1.18	4%	
manganese	0.00505	0.0052	3%	
mercury	ND	ND	NC	
nickel	ND	ND	NC	
potassium	1.02	0.947	7%	
selenium	ND	ND	NC	
silver	ND	ND	NC	
sodium	4.92	5.14	4%	
thallium	ND	ND	NC	
vanadium	ND	ND	NC	
zinc	ND	ND	NC	

* RPD is above the allowable maximum 20%.

All results are in units of mg/L.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

TAL Metals-Dissolved

Calculations for Field Duplicate Relative Percent Difference (RPD)
SDG No. L2447503

S1= MW-5S **S2=** DUP

Analyte	S1	S2	RPD (%)
aluminum (dissolved)	**0.00385**	**0.0049**	NC
antimony (dissolved)	ND	ND	NC
arsenic (dissolved)	ND	ND	NC
barium (dissolved)	0.0046	0.00464	1%
beryllium (dissolved)	ND	ND	NC
cadmium (dissolved)	ND	ND	NC
calcium (dissolved)	6.99	6.79	3%
chromium (dissolved)	ND	ND	NC
cobalt (dissolved)	ND	ND	NC
copper (dissolved)	ND	ND	NC
iron (dissolved)	ND	ND	NC
lead (dissolved)	ND	ND	NC
magnesium (dissolved)	1.19	1.18	1%
manganese (dissolved)	0.0059	0.00587	1%
mercury (dissolved)	ND	ND	NC
nickel (dissolved)	ND	ND	NC
potassium (dissolved)	1.08	1.08	0%
selenium (dissolved)	ND	ND	NC
silver (dissolved)	ND	ND	NC
sodium (dissolved)	5.16	5.17	0%
thallium (dissolved)	ND	ND	NC
vanadium (dissolved)	ND	ND	NC
zinc (dissolved)	ND	ND	NC

* RPD is above the allowable maximum 20%.

All results are in units of mg/L.

Bold numbers were values that are below the CRDL.
ND - Not detected.
NC - Not calculated, both results must be above the CRDL for valid RPDs to be calculated.

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Alpha Analytical

Laboratory Code: 11148

SDG Number: L2447503

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ABNL8 Injected on: 06/18/24 12:45 846
ABNL7 Injected on: 06/18/24 13:07 851
ABNL6 Injected on: 06/18/24 13:30 856
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ABNL4 Injected on: 06/18/24 14:15 866
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AP9L6 Injected on: 06/18/24 16:54 911
AP9L5 Injected on: 06/18/24 17:16 914
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ADPL1 Injected on: 06/19/24 00:04 1062
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ABNL6 Injected on: 06/24/24 18:07 1102
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ABNL9 Injected on: 06/25/24 20:18 1333
ABNL8 Injected on: 06/25/24 20:41 1339
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ABNL6 Injected on: 06/25/24 21:27 1355
ABNL5 Injected on: 06/25/24 21:50 1362
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AP9L8 Injected on: 06/26/24 00:10 1438
AP9L7 Injected on: 06/26/24 00:33 1441
AP9L6 Injected on: 06/26/24 00:56 1444
AP9L5 Injected on: 06/26/24 01:19 1447
AP9L4 Injected on: 06/26/24 01:43 1450
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Tune Injected on: 06/26/24 04:02 1575
Deg Injected on: 06/26/24 04:02 1576
Tailing Factor Injected on: 06/26/24 04:02 1577
ADPL9 Injected on: 06/26/24 04:25 1579
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ADPL7 Injected on: 06/26/24 05:11 1585
ADPL6 Injected on: 06/26/24 05:35 1588
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CC Summary - SV106 Run: 08/27/24 07:17 2005
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MW-5S (L2447503-05) Analyzed: 08/25/24 17:21 2444
MW-6D (L2447503-06) Analyzed: 08/25/24 17:38 2448
MW-8S (L2447503-08) Analyzed: 08/25/24 17:54 2452
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L8 Injected on: 06/21/24 15:23 2517
L7 Injected on: 06/21/24 15:39 2536
L6 Injected on: 06/21/24 15:55 2540
L5 Injected on: 06/21/24 16:12 2544
L4 Injected on: 06/21/24 16:28 2551
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IL8 Injected on: 07/28/24 17:23 2626
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MW-7S (L2447503-07) Analyzed: 08/27/24 13:58 3016
MW-5S (L2447503-05) Analyzed: 08/28/24 13:02 3019
MW-8S (L2447503-08) Analyzed: 08/28/24 13:31 3022
DUP (L2447503-09) Analyzed: 08/28/24 14:00 3025
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STD 10 Injected on: 07/17/24 15:53 3040
STD 50 Injected on: 07/17/24 16:24 3044
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Laboratory Method Bl (WG1964624-1) Analyzed: 08/28/24 09:22 3134
Laboratory Control S (WG1963994-2) Analyzed: 08/27/24 09:36 3137
Laboratory Control S (WG1964624-2) Analyzed: 08/28/24 09:47 3141
LCS Duplicate (WG1963994-3) Analyzed: 08/27/24 10:03 3145
LCS Duplicate (WG1964624-3) Analyzed: 08/28/24 10:14 3149
Matrix Spike (WG1963994-6) Analyzed: 08/27/24 14:23 3153
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Project Name: HUNTINGTON READY MIX
Project Number: 20116

Lab Number: L2447503
Report Date: 09/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2447503-01	MW-1S	WATER	SPEONK, NY	08/19/24 17:00	08/20/24
L2447503-02	MW-2S	WATER	SPEONK, NY	08/20/24 10:10	08/20/24
L2447503-03	MW-3S	WATER	SPEONK, NY	08/20/24 08:40	08/20/24
L2447503-04	MW-4D	WATER	SPEONK, NY	08/20/24 09:55	08/20/24
L2447503-05	MW-5S	WATER	SPEONK, NY	08/20/24 08:30	08/20/24
L2447503-06	MW-6D	WATER	SPEONK, NY	08/19/24 17:20	08/20/24
L2447503-07	MW-7S	WATER	SPEONK, NY	08/19/24 15:55	08/20/24
L2447503-08	MW-8S	WATER	SPEONK, NY	08/20/24 11:50	08/20/24
L2447503-09	DUP	WATER	SPEONK, NY	08/20/24 00:00	08/20/24
L2447503-10	FIELD BLANK	WATER	SPEONK, NY	08/20/24 11:35	08/20/24
L2447503-11	EQUIPMENT BLANK	WATER	SPEONK, NY	08/20/24 09:30	08/20/24
L2447503-12	TRIP BLANK	WATER	SPEONK, NY	08/20/24 00:00	08/20/24

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Case Narrative (continued)

Report Submission

September 19, 2024: This final report includes the results of all requested analyses.

August 28, 2024: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Iodide, Radon 226/228, Sulfide, Throuim, and Uranium were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Sample Receipt

L2447503-10 and -11: The analysis of Subcontract - Sulfide was requested on the Chain of Custody; however, sample containers were not received. This was verified by the client.

L2447503-11: The collection date and time on the chain of custody was 20-AUG-24 09:30; however, the collection date/time on the container label was 20-AUG-24 09:25. At the client's request, the collection date/time is reported as 20-AUG-24 09:30.

Semivolatile Organics

The WG1963467-5 MSD recovery, performed on L2447503-07, is below the acceptance criteria for 2,4-dinitrophenol (0%), due to the concentration of this compound in the MSD falling below the reported detection limit.

Perfluorinated Alkyl Acids by 1633

The WG1971858-5 MSD recovery, performed on L2447503-07, is outside the acceptance criteria for 3-perfluoropropyl propanoic acid (3:3ftca) (151%).

Total Metals

Case Narrative (continued)

The WG1962897-3/-4 MS/MSD recoveries for calcium (30%/10%), performed on L2447503-07, do not apply because the sample concentrations are greater than four times the spike amount added.

Dissolved Metals

The WG1963944-3/-4 MS/MSD recoveries for calcium (140%/210%), performed on L2447503-07, do not apply because the sample concentration is greater than four times the spike amounts added.

Nitrogen, Ammonia

L2447503-06: The Ammonia result is slightly higher than the TKN result. The difference is within % RPD limits; therefore, no further action was taken.

The WG1964148-4 Laboratory Duplicate RPD for nitrogen, ammonia (56%), performed on L2447503-08, is above the acceptance criteria; however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Anions by Ion Chromatography

The WG1963098-3 MS recovery, performed on L2447503-05, is outside the acceptance criteria for bromide (88%); however, the associated LCS recovery is within criteria. No further action was taken.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristen Walker Report Date: 09/19/24

Title: Technical Director/Representative

DATA PACKAGE GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers

Data Qualifiers

the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

ND or U - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	
	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material
Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Sample Delivery Group Summary

Alpha Job Number : L2447503

Account Name : Alpha Geoscience
Project Number : 20116
Project Name : HUNTINGTON READY MIX

Received : 20-AUG-2024
Reviewer : Maile Kolton

Delivery Information

Samples Delivered By : Alpha Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.8	
B	Absent/	Ice	2.9	
C	Absent/	Ice	3.1	
D	Absent/	Ice	3.7	
E	Absent/	Ice	3.8	
F	Absent/	Ice	2.4	
G	Absent/	Ice	2.8	
H	Absent/	Ice	4.8	
I	Absent/	Ice	3.0	
J	Absent/	Ice	4.7	
K	Absent/	Ice	3.9	
L	Absent/	Ice	3.9	

Condition Information

1) All samples on COC received? **YES**

2) Extra samples received? **NO**

3) Are there any sample container discrepancies? **YES**
Following containers were not received for listed analysis: -10 (SUB-SULFIDE), -11 (SUB-SULFIDE)

4) Are there any discrepancies between COC & sample labels? **YES**
L2447503-11: 20-AUG-24 09:30 vs. 20-AUG-24 09:25

5) Are samples in appropriate containers for requested analysis? **YES**

6) Are samples properly preserved for requested analysis? **NO**

Container	pH	Preservative Added	Final pH
L2447503-08M	7	NaOH	>9

Sample Delivery Group Summary

Alpha Job Number : L2447503

Account Name : Alpha Geoscience
Project Number : 20116
Project Name : HUNTINGTON READY MIX

Received : 20-AUG-2024
Reviewer : Maile Kolton

7) Are samples within holding time for requested analysis? **YES**

8) All sampling equipment returned? **NA**

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client? **NO**

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

L2447503-01 MW-1S 1 S0 19AUG24 17:00

NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113;Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol; Atrazine;Benzaldehyde;Caprolactam Ok to report SUB-IODIDE to the RL. 778185240990 $123.97 USD Pace, TN 778185923942 $44.42 USD Pace, IN ASP-B Package Due Date: 09/19/24

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,ASP-B,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-LEVEL5,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-02 MW-2S 1 S0 20AUG24 10:10

NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113;Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol; Atrazine;Benzaldehyde;Caprolactam Ok to report SUB-IODIDE to the RL. Package Due Date: 09/19/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-SULFIDE,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-03 MW-3S 1 S0 20AUG24 08:40

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-SULFIDE,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-04 MW-4D 1 S0 20AUG24 09:55

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-SULFIDE,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-05 MW-5S 1 S0 20AUG24 08:30

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-06 MW-6D 1 S0 19AUG24 17:20

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-SULFIDE,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-07 MW-7S 1 S0 19AUG24 15:55

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam L2447503-07 MS L2447503-07 MSD Package Due Date: 09/19/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,MS/MSD,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-08	MW-8S	1	S0	20AUG24 11:50

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-300,SUB-IODIDE,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-09	DUP	1	S0	20AUG24 00:00

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,ALK-CO3-2320,ALK-HCO3-2320,BR-300,CL-300,F-300,HERB-APA,NH3-350,
NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SO4-
300,SUB-IODIDE,SUB-RA226,SUB-RA228,SUB-SULFIDE,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-6020S,AL-6020S,
AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-S,K-6020S,MG-
6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-6020S,TAL-
6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-
6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-
6020T,ZN-6020T,TDS-2540,TOTALNITROGEN,NO3/NO2-4500,TKN-4500,TNITROGEN,TPO4-4500

L2447503-10 FIELD BLANK 1 S0 20AUG24 11:35

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113;
Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-
Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date:
09/19/24

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,HERB-APA,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-
RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SUB-RA226,SUB-RA228,SUB-THORIUM,SUB-URANIUM,TAL-6020S,AG-
6020S,AL-6020S,AS-6020S,BA-6020S,BE-6020S,CA-6020S,CD-6020S,CO-6020S,CR-6020S,CU-6020S,FE-6020S,HG-
S,K-6020S,MG-6020S,MN-6020S,NA-6020S,NI-6020S,PB-6020S,PREPS,SB-6020S,SE-6020S,TL-6020S,V-6020S,ZN-
6020S,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-
6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-
6020T,V-6020T,ZN-6020T

L2447503-11 EQUIPMENT BLANK 1 S0 20AUG24 09:30

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113;
Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-
Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date:
09/19/24

ALPHA ANALYTICAL LABORATORIES, INC.
LOGIN CHAIN OF CUSTODY REPORT
Sep 20 2024, 05:49 pm

Login Number: L2447503
Account: ALPHAGEO Alpha GeoscienceProject: 20116
Received: 20AUG24 Due Date: 19SEP24

Sample #	Client ID	Mat	PR	Collected

A2-1,4-DIOXANE-SIM,A2-1633-DRAFT,HERB-APA,NYTCL-8081,NYTCL-8082-LVI,NYTCL-8260-R2,NYTCL-8270/SIM-RVT,NYTCL-8270-RVT,NYTCL-8270-SIM-RVT,SUB-RA226,SUB-RA228,SUB-THORIUM,SUB-URANIUM,TAL-6020T,AG-6020T,AL-6020T,AS-6020T,BA-6020T,BE-6020T,CA-6020T,CD-6020T,CO-6020T,CR-6020T,CU-6020T,FE-6020T,HG-T,K-6020T,MG-6020T,MN-6020T,NA-6020T,NI-6020T,PB-6020T,PREPT,SB-6020T,SE-6020T,TL-6020T,V-6020T,ZN-6020T

L2447503-12 TRIP BLANK 1 S0 20AUG24 00:00

Ok to report SUB-IODIDE to the RL. NYTCL-8260-R2: REPORT LIST BUILT; Non-Routine: Freon-113; Cyclohexane;Methyl Acetate;Methyl cyclohexane NYTCL-8270-LVI: REPORT LIST BUILT; Non-Routine: 1,2,4,5-Tetrachlorobenzene;2,3,4,6-Tetrachlorophenol;Atrazine;Benzaldehyde;Caprolactam Package Due Date: 09/19/24

NYTCL-8260-R2

Logged By: Melissa Deyo

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab 8/21/24

L2447503 27AUG24
ALPHAGEO

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Alpha Geoscience
Address: 679 Plank Road
Clifton Park, NY 12065
Phone: 518-348-6995
Fax:
Email: shulseapple@alphageoscience.co

Project Information

Project Name: Huntington Ready Mixed
Project Location: Speonk, NY
Project #: 20116
(Use Project name as Project #)
Project Manager: Scott Hulseapple
ALPHAQuote #:

Turn-Around Time

Standard x — Due Date:
Rush (only if pre approved) — # of Days:

Deliverables

ASP-A x ASP-B
EQuIS (1 File) x EQuIS (NYSDEC v4)
Other

Regulatory Requirement

x NY TOGS
AWQ Standards
NY Restricted Use
NY Unrestricted Use
NYC Sewer Discharge
NY Part 375
NY CP-51
Other

Same as Client Info
PO # 20116

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ NY x
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Dissolved metals are field filtered

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
x Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TCL	SVOCs 8270 NYTCL	Pest/PCBs 8081/8082	Herbicides 8151	Total & DissolvedTCL+Hg Metals	Sulfide	Cl, Br, F, SO4, Alk, TDS	NO3/NO2, Tnit, TKN, NH3	Total Phosphate	Iodide	PFAAS 1633	1,4 dioxane 8270 SIM	Thorium, Uranium, Ra-228, Ra 226	Sample Specific Comments	Total Bottles
47503-01	MW-1S	8/19	17:00	WG	ER	x	x	x	x	x	x	x	x	x	x	x	x	x		
02	MW-2S	8/20	10:10	WG	ER	x	x	x	x	x	x	x	x	x	x					
03	MW-3S	8/20	8:40	WG	ER	x	x	x	x	x	x	x	x	x	x					
04	MW-4D	8/20	9:55	WG	SH	x	x	x	x	x	x	x	x	x	x					
05	MW-5S	8/20	8:30	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x		
06	MW-6D	8/19	17:20	WG	SH	x	x	x	x	x	x	x	x	x	x					
07	MW-7S	8/19	15:55	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x		
07	MS	8/19	15:55	WG	SH	x	x	x	x	x						x	x	x	MS/MSD=MW-7S	
07	MSD	8/19	15:55	WG	SH	x	x	x	x	x						x	x	x		
08	MW-8S	8/20	11:50	WG	SH	x	x	x	x	x	x	x	x	x	x	x	x	x		
	Container Type					V	A	A	A	P	P	P	P	P	P	P	A	P		
	Preservative					B	A	A	A	C	K	A	D	A	A	A	A	C		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	8/20/24 17:05	PACE	17:05 8.20.24
PACE	21:00 8.20.24	Anthony Green	AUG 20 2024 2152
Anthony Green			8/21/24 330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 8/21/24

ALPHA Job #: L2447503

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Alpha Geoscience
Address: 679 Plank Road
Clifton Park, NY 12065
Phone: 518-348-6995
Fax:
Email: shulseapple@alphageoscience.co

Project Information

Project Name: Huntington Ready Mixed
Project Location: Speonk, NY
Project #: 20116
(Use Project name as Project #)
Project Manager: Scott Hulseapple
ALPHAQuote #:

Turn-Around Time

Standard x — Due Date:
Rush (only if pre approved) — # of Days:

Deliverables

ASP-A
ASP-B
EQuIS (1 File)
EQuIS (4 File)
Other

Regulatory Requirement

NY TOGS
NY Part 375
AWQ Standards
NY CP-51
NY Restricted Use
Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information

Same as Client Info
PO # 20116

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260 TCL	SVOCs 8270 NYTCL	Pest/PCBs 8081/8082	Herbicides 8151	Total & DissolvedTCL+Hg M	Sulfide	Cl, Br, F, SO4, Alk, TDS	NO3/NO2, Tnit, TKN, NH3	Total Phosphate	Iodide	PFAAS 1633	1,4 dioxane 8270 SIM	Thorium, Uranium, Ra-228,	Sample Specific Comments	Total Bottles
47503-09	DUP	8/20	0:00	WG	XX	x	x	x	x	x	x	x	x	x	x	x	x	x		
10	Field Blank	8/20	11:35	WQ		x	x	x	x	x	x					x	x	x		
11	Equipment Blank	8/20	9:30	WQ		x	x	x	x	x	x					x	x	x	No dissolved metals	
12	Trip Blank	—	—	WQ	XX	x														

Container Type: V A A A P P P P P P P A P
Preservative: B A A A C K A D A A A A C

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	8/20/24 11:05	FEDEX PACE	17:05 8.20.24
FEDEX PACE	8.20.24 21:00	Anthony Green	AUG 20 2024 2152
Anthony Green	8/21/24 0330	[illegible]	8/21/24 0120 8/21/24 330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 01-25 (rev. 30-Sept-2013)

Organics

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-1S (L2447503-01)	103	95	87	105	0
MW-2S (L2447503-02)	106	94	88	106	0
MW-3S (L2447503-03)	102	95	87	107	0
MW-4D (L2447503-04)	106	94	88	108	0
MW-5S (L2447503-05)	105	93	89	105	0
MW-6D (L2447503-06)	107	94	87	103	0
MW-7S (L2447503-07)	105	94	86	106	0
MW-8S (L2447503-08)	107	94	87	106	0
DUP (L2447503-09)	107	94	87	107	0
FIELD BLANK (L2447503-10)	119	95	87	111	0
EQUIPMENT BLANK (L2447503-11)	116	97	86	108	0
TRIP BLANK (L2447503-12)	116	99	87	107	0
WG1963652-3LCS	102	96	89	101	0
WG1963652-4LCSD	101	95	92	99	0
WG1963652-5BLANK	100	95	89	104	0
MW-7SMS	102	96	95	96	0
MW-7SMSD	104	97	97	95	0
WG1963895-3LCS	110	100	92	99	0
WG1963895-4LCSD	111	101	91	99	0
WG1963895-5BLANK	107	98	92	103	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260-R2

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Alpha Geoscience **Lab Number** : L2447503
Project Name : HUNTINGTON READY MIX **Project Number** : 20116
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963652-3 **Analysis Date** : 08/23/24 16:03 **File ID** : V22240823N01
LCSD Sample ID : WG1963652-4 **Analysis Date** : 08/23/24 16:27 **File ID** : V22240823N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	8.8	88	10	8.5	85	3	70-130	20
1,1-Dichloroethane	10	9.3	93	10	9.5	95	2	70-130	20
Chloroform	10	9.1	91	10	9.0	90	1	70-130	20
Carbon tetrachloride	10	10	100	10	11	110	10	63-132	20
1,2-Dichloropropane	10	8.8	88	10	9.3	93	6	70-130	20
Dibromochloromethane	10	8.3	83	10	8.5	85	2	63-130	20
1,1,2-Trichloroethane	10	8.3	83	10	8.4	84	1	70-130	20
Tetrachloroethene	10	11	110	10	11	110	0	70-130	20
Chlorobenzene	10	9.1	91	10	9.4	94	3	75-130	20
Trichlorofluoromethane	10	10	100	10	8.5	85	16	62-150	20
1,2-Dichloroethane	10	9.3	93	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	10	9.7	97	10	9.9	99	2	67-130	20
Bromodichloromethane	10	9.0	90	10	9.1	91	1	67-130	20
trans-1,3-Dichloropropene	10	7.6	76	10	7.8	78	3	70-130	20
cis-1,3-Dichloropropene	10	9.0	90	10	9.4	94	4	70-130	20
Bromoform	10	8.6	86	10	9.1	91	6	54-136	20
1,1,2,2-Tetrachloroethane	10	8.1	81	10	8.3	83	2	67-130	20
Benzene	10	8.4	84	10	9.5	95	12	70-130	20
Toluene	10	8.9	89	10	9.1	91	2	70-130	20
Ethylbenzene	10	9.0	90	10	9.4	94	4	70-130	20
Chloromethane	10	8.2	82	10	8.0	80	2	64-130	20
Bromomethane	10	6.8	68	10	7.0	70	3	39-139	20
Vinyl chloride	10	10	100	10	9.9	99	1	55-140	20
Chloroethane	10	8.2	82	10	8.8	88	7	55-138	20
1,1-Dichloroethene	10	9.8	98	10	9.9	99	1	61-145	20
trans-1,2-Dichloroethene	10	9.1	91	10	9.3	93	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963652-3	**Analysis Date** : 08/23/24 16:03	**File ID** : V22240823N01
LCSD Sample ID	: WG1963652-4	**Analysis Date** : 08/23/24 16:27	**File ID** : V22240823N02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	8.8	88	10	9.8	98	11	70-130	20
1,2-Dichlorobenzene	10	9.2	92	10	9.5	95	3	70-130	20
1,3-Dichlorobenzene	10	9.3	93	10	9.7	97	4	70-130	20
1,4-Dichlorobenzene	10	9.2	92	10	9.5	95	3	70-130	20
Methyl tert butyl ether	10	8.7	87	10	9.3	93	7	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	18	90	20	19	95	5	70-130	20
cis-1,2-Dichloroethene	10	9.1	91	10	9.1	91	0	70-130	20
Styrene	20	19	95	20	19	95	0	70-130	20
Dichlorodifluoromethane	10	7.2	72	10	7.1	71	1	36-147	20
Acetone	10	10	100	10	10	100	0	58-148	20
Carbon disulfide	10	9.4	94	10	9.4	94	0	51-130	20
2-Butanone	10	8.8	88	10	9.1	91	3	63-138	20
4-Methyl-2-pentanone	10	8.0	80	10	8.4	84	5	59-130	20
2-Hexanone	10	8.1	81	10	8.2	82	1	57-130	20
Bromochloromethane	10	10	100	10	10	100	0	70-130	20
1,2-Dibromoethane	10	9.0	90	10	9.1	91	1	70-130	20
1,2-Dibromo-3-chloropropane	10	8.5	85	10	8.7	87	2	41-144	20
Isopropylbenzene	10	9.0	90	10	9.6	96	6	70-130	20
1,2,3-Trichlorobenzene	10	9.5	95	10	9.9	99	4	70-130	20
1,2,4-Trichlorobenzene	10	9.4	94	10	9.7	97	3	70-130	20
Methyl Acetate	10	8.5	85	10	8.6	86	1	70-130	20
Cyclohexane	10	10	100	10	10	100	0	70-130	20
1,4-Dioxane	500	590	118	500	560	112	5	56-162	20
Freon-113	10	11	110	10	11	110	0	70-130	20
Methyl cyclohexane	10	9.6	96	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Alpha Geoscience **Lab Number** : L2447503
Project Name : HUNTINGTON READY MIX **Project Number** : 20116
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963895-3 **Analysis Date** : 08/23/24 07:49 **File ID** : VG240823A01
LCSD Sample ID : WG1963895-4 **Analysis Date** : 08/23/24 08:13 **File ID** : VG240823A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.9	99	10	10	100	1	70-130	20
1,1-Dichloroethane	10	11	110	10	11	110	0	70-130	20
Chloroform	10	10	100	10	11	110	10	70-130	20
Carbon tetrachloride	10	10	100	10	10	100	0	63-132	20
1,2-Dichloropropane	10	10	100	10	11	110	10	70-130	20
Dibromochloromethane	10	9.9	99	10	11	110	11	63-130	20
1,1,2-Trichloroethane	10	10	100	10	11	110	10	70-130	20
Tetrachloroethene	10	10	100	10	10	100	0	70-130	20
Chlorobenzene	10	10	100	10	11	110	10	75-130	20
Trichlorofluoromethane	10	10	100	10	9.7	97	3	62-150	20
1,2-Dichloroethane	10	11	110	10	11	110	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.8	98	2	67-130	20
Bromodichloromethane	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	10	9.8	98	10	11	110	12	70-130	20
cis-1,3-Dichloropropene	10	9.7	97	10	10	100	3	70-130	20
Bromoform	10	8.8	88	10	9.8	98	11	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	11	110	10	67-130	20
Benzene	10	10	100	10	10	100	0	70-130	20
Toluene	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	10	10	100	10	10	100	0	70-130	20
Chloromethane	10	10	100	10	9.8	98	2	64-130	20
Bromomethane	10	7.2	72	10	6.4	64	12	39-139	20
Vinyl chloride	10	10	100	10	10	100	0	55-140	20
Chloroethane	10	12	120	10	13	130	8	55-138	20
1,1-Dichloroethene	10	10	100	10	9.6	96	4	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	9.8	98	2	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client : Alpha Geoscience **Lab Number** : L2447503
Project Name : HUNTINGTON READY MIX **Project Number** : 20116
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963895-3 **Analysis Date** : 08/23/24 07:49 **File ID** : VG240823A01
LCSD Sample ID : WG1963895-4 **Analysis Date** : 08/23/24 08:13 **File ID** : VG240823A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Trichloroethene	10	9.7	97	10	9.6	96	1	70-130	20
1,2-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,4-Dichlorobenzene	10	10	100	10	11	110	10	70-130	20
Methyl tert butyl ether	10	8.6	86	10	9.7	97	12	63-130	20
p/m-Xylene	20	20	100	20	21	105	5	70-130	20
o-Xylene	20	20	100	20	20	100	0	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	20	100	20	21	105	5	70-130	20
Dichlorodifluoromethane	10	9.5	95	10	8.8	88	8	36-147	20
Acetone	10	9.1	91	10	10	100	9	58-148	20
Carbon disulfide	10	11	110	10	10	100	10	51-130	20
2-Butanone	10	11	110	10	12	120	9	63-138	20
4-Methyl-2-pentanone	10	9.3	93	10	11	110	17	59-130	20
2-Hexanone	10	9.0	90	10	11	110	20	57-130	20
Bromochloromethane	10	9.5	95	10	10	100	5	70-130	20
1,2-Dibromoethane	10	9.5	95	10	10	100	5	70-130	20
1,2-Dibromo-3-chloropropane	10	8.0	80	10	9.8	98	20	41-144	20
Isopropylbenzene	10	9.5	95	10	9.7	97	2	70-130	20
1,2,3-Trichlorobenzene	10	8.8	88	10	10	100	13	70-130	20
1,2,4-Trichlorobenzene	10	9.2	92	10	10	100	8	70-130	20
Methyl Acetate	10	8.7	87	10	11	110	23 Q	70-130	20
Cyclohexane	10	11	110	10	9.9	99	11	70-130	20
1,4-Dioxane	500	370	74	500	430	86	15	56-162	20
Freon-113	10	10	100	10	9.2	92	8	70-130	20
Methyl cyclohexane	10	9.8	98	10	8.7	87	12	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	**MS Analysis Date**	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	**MSD Analysis Date**	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	9.4	94	10	9.7	97	3	70-130	20
1,1-Dichloroethane	ND	10	10	100	10	11	110	10	70-130	20
Chloroform	ND	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	ND	10	11	110	10	12	120	9	63-132	20
1,2-Dichloropropane	ND	10	11	110	10	11	110	0	70-130	20
Dibromochloromethane	ND	10	9.3	93	10	9.4	94	1	63-130	20
1,1,2-Trichloroethane	ND	10	9.8	98	10	10	100	2	70-130	20
Tetrachloroethene	ND	10	12	120	10	12	120	0	70-130	20
Chlorobenzene	ND	10	10	100	10	10	100	0	75-130	20
Trichlorofluoromethane	ND	10	11	110	10	11	110	0	62-150	20
1,2-Dichloroethane	ND	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	ND	10	11	110	10	11	110	0	67-130	20
Bromodichloromethane	ND	10	10	100	10	10	100	0	67-130	20
trans-1,3-Dichloropropene	ND	10	8.7	87	10	9.1	91	4	70-130	20
cis-1,3-Dichloropropene	ND	10	10	100	10	10	100	0	70-130	20
Bromoform	ND	10	9.8	98	10	9.9	99	1	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.8	98	10	10	100	2	67-130	20
Benzene	ND	10	11	110	10	11	110	0	70-130	20
Toluene	ND	10	10	100	10	10	100	0	70-130	20
Ethylbenzene	ND	10	10	100	10	11	110	10	70-130	20
Chloromethane	ND	10	8.5	85	10	9.0	90	6	64-130	20
Bromomethane	ND	10	3.4	34 Q	10	4.6	46	30 Q	39-139	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	**MS Analysis Date**	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	**MSD Analysis Date**	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Vinyl chloride	ND	10	11	110	10	11	110	0	55-140	20
Chloroethane	ND	10	11	110	10	11	110	0	55-138	20
1,1-Dichloroethene	ND	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20
Trichloroethene	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,3-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
1,4-Dichlorobenzene	ND	10	10	100	10	10	100	0	70-130	20
Methyl tert butyl ether	ND	10	11	110	10	11	110	0	63-130	20
p/m-Xylene	ND	20	21	105	20	22	110	5	70-130	20
o-Xylene	ND	20	21	105	20	22	110	5	70-130	20
cis-1,2-Dichloroethene	ND	10	10	100	10	10	100	0	70-130	20
Styrene	ND	20	21	105	20	22	110	5	70-130	20
Dichlorodifluoromethane	ND	10	7.4	74	10	7.8	78	5	36-147	20
Acetone	ND	10	10	100	10	11	110	10	58-148	20
Carbon disulfide	ND	10	11	110	10	11	110	0	51-130	20
2-Butanone	ND	10	9.9	99	10	10	100	1	63-138	20
4-Methyl-2-pentanone	ND	10	10	100	10	11	110	10	59-130	20
2-Hexanone	ND	10	9.8	98	10	10	100	2	57-130	20
Bromochloromethane	ND	10	10	100	10	11	110	10	70-130	20
1,2-Dibromoethane	ND	10	10	100	10	10	100	0	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	9.5	95	10	9.9	99	4	41-144	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/23/24 20:36
Matrix Spike	: WG1963652-6	**MS Analysis Date**	: 08/24/24 02:29
Matrix Spike Dup	: WG1963652-7	**MSD Analysis Date**	: 08/24/24 02:54

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Isopropylbenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,3-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
1,2,4-Trichlorobenzene	ND	10	11	110	10	11	110	0	70-130	20
Methyl Acetate	ND	10	9.0	90	10	9.3	93	3	70-130	20
Cyclohexane	ND	10	11	110	10	12	120	9	70-130	20
1,4-Dioxane	ND	500	560	112	500	630	126	12	56-162	20
Freon-113	ND	10	11	110	10	11	110	0	70-130	20
Methyl cyclohexane	ND	10	11	110	10	11	110	0	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963895-5	**Lab File ID**	: VG240823A05
Instrument ID	: GONZO		
Matrix	: WATER	**Analysis Date**	: 08/23/24 09:24

Client Sample No.	Lab Sample ID	Analysis Date
WG1963895-3LCS	WG1963895-3	08/23/24 07:49
WG1963895-4LCSD	WG1963895-4	08/23/24 08:13
FIELD BLANK	L2447503-10	08/23/24 15:44
EQUIPMENT BLANK	L2447503-11	08/23/24 16:07
TRIP BLANK	L2447503-12	08/23/24 16:31

Method Blank Summary
Form 4
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963652-5	**Lab File ID**	: V22240823N05
Instrument ID	: VOA122		
Matrix	: WATER	**Analysis Date**	: 08/23/24 17:42

Client Sample No.	Lab Sample ID	Analysis Date
WG1963652-3LCS	WG1963652-3	08/23/24 16:03
WG1963652-4LCSD	WG1963652-4	08/23/24 16:27
MW-1S	L2447503-01	08/23/24 18:06
MW-2S	L2447503-02	08/23/24 18:31
MW-3S	L2447503-03	08/23/24 18:56
MW-4D	L2447503-04	08/23/24 19:21
MW-5S	L2447503-05	08/23/24 19:46
MW-6D	L2447503-06	08/23/24 20:11
MW-7S	L2447503-07	08/23/24 20:36
MW-8S	L2447503-08	08/23/24 21:01
DUP	L2447503-09	08/23/24 21:26
MW-7SMS	WG1963652-6	08/24/24 02:29
MW-7SMSD	WG1963652-7	08/24/24 02:54

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GONZO	**Analysis Date**	: 07/12/24 20:14
Tune Standard	: WG1947004-1	**Tune File ID**	: VG240712PBF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.5
75	30.0 - 80.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0% of mass 95	84.6
175	5.0 - 9.0% of mass 174	5.9 (7)1
176	Greater than 95.0% but less than 101% of mass	82.2 (97.1)1
177	5.0 - 9.0% of mass 176	5.6 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1852824-1	VG240712P03	07/12/24 21:20
STD0.5PPB	R1852824-2	VG240712P06	07/12/24 22:32
STD2PPB	R1852824-4	VG240712P07	07/12/24 22:56
STD10PPB	R1852824-3	VG240712P08	07/12/24 23:20
STD30PPB	R1852824-5	VG240712P09	07/12/24 23:44
STD80PPB	R1852824-6	VG240712P10	07/13/24 00:09
STD120PPB	R1852824-7	VG240712P11	07/13/24 00:32
STD200PPB	R1852824-8	VG240712P12	07/13/24 00:56
Correlation Data Summary	R1852824-9	VG240712P17	07/13/24 02:55
ICV Quant Report	R1852824-9	VG240712P17	07/13/24 02:55

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GONZO	**Analysis Date**	: 08/23/24 07:35
Tune Standard	: WG1963895-1	**Tune File ID**	: VG240823ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 80.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.2 (1.4)1
174	Greater than 50.0% of mass 95	90.3
175	5.0 - 9.0% of mass 174	6.8 (7.5)1
176	Greater than 95.0% but less than 101% of mass	86.6 (95.9)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1963895-2CCAL	WG1963895-2	VG240823A01	08/23/24 07:49
WG1963895-3LCS	WG1963895-3	VG240823A01	08/23/24 07:49
WG1963895-4LCSD	WG1963895-4	VG240823A02	08/23/24 08:13
WG1963895-5BLANK	WG1963895-5	VG240823A05	08/23/24 09:24
FIELD BLANK	L2447503-10	VG240823A21	08/23/24 15:44
EQUIPMENT BLANK	L2447503-11	VG240823A22	08/23/24 16:07
TRIP BLANK	L2447503-12	VG240823A23	08/23/24 16:31

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: VOA122	**Analysis Date**	: 07/29/24 12:26
Tune Standard	: WG1953132-1	**Tune File ID**	: V22240729ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.9
75	30.0 - 80.0% of mass 95	47.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.5 (.7)1
174	Greater than 50.0% of mass 95	78.4
175	5.0 - 9.0% of mass 174	6.1 (7.7)1
176	Greater than 95.0% but less than 101% of mass	76.6 (97.7)1
177	5.0 - 9.0% of mass 176	5.2 (6.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1858437-1	V22240729A03	07/29/24 13:23
STD0.5PPB	R1858437-2	V22240729A04	07/29/24 13:47
STD2PPB	R1858437-3	V22240729A06	07/29/24 14:36
STD10PPB	R1858437-4	V22240729A08	07/29/24 15:25
STD30PPB	R1858437-5	V22240729A09	07/29/24 15:50
STD80PPB	R1858437-6	V22240729A10	07/29/24 16:15
STD120PPB	R1858437-7	V22240729A11	07/29/24 16:40
STD200PPB	R1858437-8	V22240729A12	07/29/24 17:04
Correlation Data Summary	R1858437-9	V22240729A17	07/29/24 19:08
ICV Quant Report	R1858437-9	V22240729A17	07/29/24 19:08

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: VOA122	**Analysis Date**	: 08/23/24 15:45
Tune Standard	: WG1963652-1	**Tune File ID**	: V22240823NBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 80.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	85.1
175	5.0 - 9.0% of mass 174	6.3 (7.4)1
176	Greater than 95.0% but less than 101% of mass	82.3 (96.7)1
177	5.0 - 9.0% of mass 176	5.2 (6.3)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1963652-2CCAL	WG1963652-2	V22240823N01	08/23/24 16:03
WG1963652-3LCS	WG1963652-3	V22240823N01	08/23/24 16:03
WG1963652-4LCSD	WG1963652-4	V22240823N02	08/23/24 16:27
WG1963652-5BLANK	WG1963652-5	V22240823N05	08/23/24 17:42
MW-1S	L2447503-01	V22240823N06	08/23/24 18:06
MW-2S	L2447503-02	V22240823N07	08/23/24 18:31
MW-3S	L2447503-03	V22240823N08	08/23/24 18:56
MW-4D	L2447503-04	V22240823N09	08/23/24 19:21
MW-5S	L2447503-05	V22240823N10	08/23/24 19:46
MW-6D	L2447503-06	V22240823N11	08/23/24 20:11
MW-7S	L2447503-07	V22240823N12	08/23/24 20:36
MW-8S	L2447503-08	V22240823N13	08/23/24 21:01
DUP	L2447503-09	V22240823N14	08/23/24 21:26
WG1963652-6MS	WG1963652-6	V22240823N26	08/24/24 02:29
WG1963652-7MSD	WG1963652-7	V22240823N27	08/24/24 02:54

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GONZO	**Analysis Date**	: 08/23/24 07:49:00
Sample No	: WG1963895-2	**Lab File ID**	: VG240823A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1963895-2	365245	6.09	285642	9.62	170158	12.31
Upper Limit	730490	6.59	571284	10.12	340316	12.81
Lower Limit	182623	5.59	142821	9.12	85079	11.81
Sample ID						
WG1963895-3 LCS	365245	6.09	285642	9.62	170158	12.31
WG1963895-4 LCSD	350816	6.09	269253	9.63	158798	12.31
WG1963895-5 BLANK	326804	6.09	253530	9.63	140306	12.32
FIELD BLANK	268396	6.09	216264	9.63	120492	12.32
EQUIPMENT BLANK	282771	6.09	217896	9.63	120431	12.32
TRIP BLANK	275660	6.09	216851	9.63	120687	12.31

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: VOA122	**Analysis Date**	: 08/23/24 16:03:00
Sample No	: WG1963652-2	**Lab File ID**	: V22240823N01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG1963652-2	428454	5.97	356768	9.51	187735	12.23
Upper Limit	856908	6.47	713536	10.01	375470	12.73
Lower Limit	214227	5.47	178384	9.01	93868	11.73
Sample ID						
WG1963652-3 LCS	428454	5.97	356768	9.51	187735	12.23
WG1963652-4 LCSD	429242	5.97	355253	9.52	181596	12.23
WG1963652-5 BLANK	414542	5.97	350250	9.52	176354	12.23
MW-1S	391074	5.97	331659	9.52	166984	12.23
MW-2S	380245	5.97	335315	9.52	167598	12.23
MW-3S	391556	5.97	333148	9.52	170230	12.23
MW-4D	379808	5.97	332235	9.52	167606	12.23
MW-5S	394080	5.98	337700	9.52	167405	12.23
MW-6D	387605	5.97	326852	9.52	167153	12.23
MW-7S	392405	5.98	330163	9.52	169132	12.23
MW-8S	390758	5.98	330579	9.52	167046	12.23
DUP	390174	5.98	332267	9.52	168412	12.24
MW-7S MS	542974	5.98	437788	9.52	221835	12.24
MW-7S MSD	539699	5.98	432682	9.52	220614	12.23

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/15/23
Created By: Jason Hebert
File: PM14094-1
Page: 1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	5	2.29	ug/kg	70-130	30	70-130	30	30			
1,1-Dichloroethane	75-34-3	1	0.145	ug/kg	70-130	30	70-130	30	30			
Chloroform	67-66-3	1.5	0.14	ug/kg	70-130	30	70-130	30	30			
Carbon tetrachloride	56-23-5	1	0.23	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloropropane	78-87-5	1	0.125	ug/kg	70-130	30	70-130	30	30			
Dibromochloromethane	124-48-1	1	0.14	ug/kg	70-130	30	70-130	30	30			
1,1,2-Trichloroethane	79-00-5	1	0.267	ug/kg	70-130	30	70-130	30	30			
Tetrachloroethene	127-18-4	0.5	0.196	ug/kg	70-130	30	70-130	30	30			
Chlorobenzene	108-90-7	0.5	0.127	ug/kg	70-130	30	70-130	30	30			
Trichlorofluoromethane	75-69-4	4	0.695	ug/kg	70-139	30	70-139	30	30			
1,2-Dichloroethane	107-06-2	1	0.257	ug/kg	70-130	30	70-130	30	30			
1,1,1-Trichloroethane	71-55-6	0.5	0.167	ug/kg	70-130	30	70-130	30	30			
Bromodichloromethane	75-27-4	0.5	0.109	ug/kg	70-130	30	70-130	30	30			
trans-1,3-Dichloropropene	10061-02-6	1	0.273	ug/kg	70-130	30	70-130	30	30			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.158	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropene, Total	542-75-6	0.5	0.158	ug/kg				30	30			
1,1-Dichloropropene	563-58-6	0.5	0.159	ug/kg	70-130	30	70-130	30	30			
Bromoform	75-25-2	4	0.246	ug/kg	70-130	30	70-130	30	30			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Benzene	71-43-2	0.5	0.166	ug/kg	70-130	30	70-130	30	30			
Toluene	108-88-3	1	0.543	ug/kg	70-130	30	70-130	30	30			
Ethylbenzene	100-41-4	1	0.141	ug/kg	70-130	30	70-130	30	30			
Chloromethane	74-87-3	4	0.932	ug/kg	52-130	30	52-130	30	30			
Bromomethane	74-83-9	2	0.581	ug/kg	57-147	30	57-147	30	30			
Vinyl chloride	75-01-4	1	0.335	ug/kg	67-130	30	67-130	30	30			
Chloroethane	75-00-3	2	0.452	ug/kg	50-151	30	50-151	30	30			
1,1-Dichloroethene	75-35-4	1	0.238	ug/kg	65-135	30	65-135	30	30			
trans-1,2-Dichloroethene	156-60-5	1.5	0.137	ug/kg	70-130	30	70-130	30	30			
Trichloroethene	79-01-6	0.5	0.137	ug/kg	70-130	30	70-130	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.144	ug/kg	70-130	30	70-130	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.148	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.171	ug/kg	70-130	30	70-130	30	30			
Methyl tert butyl ether	1634-04-4	2	0.201	ug/kg	66-130	30	66-130	30	30			
p/m-Xylene	179601-23-1	2	0.56	ug/kg	70-130	30	70-130	30	30			
o-Xylene	95-47-6	1	0.291	ug/kg	70-130	30	70-130	30	30			
Xylene (Total)	1330-20-7	1	0.291	ug/kg				30	30			
cis-1,2-Dichloroethene	156-59-2	1	0.175	ug/kg	70-130	30	70-130	30	30			
1,2-Dichloroethene (total)	540-59-0	1	0.137	ug/kg				30	30			
Dibromomethane	74-95-3	2	0.238	ug/kg	70-130	30	70-130	30	30			
1,4-Dichlorobutane	110-56-5	10	0.226	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichloropropane	96-18-4	2	0.127	ug/kg	68-130	30	68-130	30	30			
Styrene	100-42-5	1	0.196	ug/kg	70-130	30	70-130	30	30			

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VOCs - EPA 8260D/5035 High & Low (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - 1 Vial MeOH/2 Vial Water

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	10	0.915	ug/kg	30-146	30	30-146	30	30			
Acetone	67-64-1	25	10	ug/kg	54-140	30	54-140	30	30			
Carbon disulfide	75-15-0	10	4.55	ug/kg	59-130	30	59-130	30	30			
2-Butanone	78-93-3	10	2.22	ug/kg	70-130	30	70-130	30	30			
Vinyl acetate	108-05-4	10	2.15	ug/kg	70-130	30	70-130	30	30			
4-Methyl-2-pentanone	108-10-1	10	1.28	ug/kg	70-130	30	70-130	30	30			
2-Hexanone	591-78-6	10	1.18	ug/kg	70-130	30	70-130	30	30			
Ethyl methacrylate	97-63-2	10	1.58	ug/kg	70-130	30	70-130	30	30			
Acrylonitrile	107-13-1	4	1.15	ug/kg	70-130	30	70-130	30	30			
Bromochloromethane	74-97-5	2	0.205	ug/kg	70-130	30	70-130	30	30			
Tetrahydrofuran	109-99-9	4	1.59	ug/kg	66-130	30	66-130	30	30			
2,2-Dichloropropane	594-20-7	2	0.202	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromoethane	106-93-4	1	0.279	ug/kg	70-130	30	70-130	30	30			
1,3-Dichloropropane	142-28-9	2	0.167	ug/kg	69-130	30	69-130	30	30			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.132	ug/kg	70-130	30	70-130	30	30			
Bromobenzene	108-86-1	2	0.145	ug/kg	70-130	30	70-130	30	30			
n-Butylbenzene	104-51-8	1	0.167	ug/kg	70-130	30	70-130	30	30			
sec-Butylbenzene	135-98-8	1	0.146	ug/kg	70-130	30	70-130	30	30			
tert-Butylbenzene	98-06-6	2	0.118	ug/kg	70-130	30	70-130	30	30			
o-Chlorotoluene	95-49-8	2	0.191	ug/kg	70-130	30	70-130	30	30			
p-Chlorotoluene	106-43-4	2	0.108	ug/kg	70-130	30	70-130	30	30			
1,2-Dibromo-3-chloropropane	96-12-8	3	0.998	ug/kg	68-130	30	68-130	30	30			
Hexachlorobutadiene	87-68-3	4	0.169	ug/kg	67-130	30	67-130	30	30			
Isopropylbenzene	98-82-8	1	0.109	ug/kg	70-130	30	70-130	30	30			
p-Isopropyltoluene	99-87-6	1	0.109	ug/kg	70-130	30	70-130	30	30			
Naphthalene	91-20-3	4	0.65	ug/kg	70-130	30	70-130	30	30			
n-Propylbenzene	103-65-1	1	0.171	ug/kg	70-130	30	70-130	30	30			
1,2,3-Trichlorobenzene	87-61-6	2	0.322	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trichlorobenzene	120-82-1	2	0.272	ug/kg	70-130	30	70-130	30	30			
1,3,5-Trimethylbenzene	108-67-8	2	0.193	ug/kg	70-130	30	70-130	30	30			
1,2,4-Trimethylbenzene	95-63-6	2	0.334	ug/kg	70-130	30	70-130	30	30			
trans-1,4-Dichloro-2-butene	110-57-6	5	1.42	ug/kg	70-130	30	70-130	30	30			
Ethyl ether	60-29-7	2	0.341	ug/kg	67-130	30	67-130	30	30			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N06	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N06	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N06	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N07	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N07	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N07	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 18:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N08	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	0.76	2.5	0.70	J
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N09	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 19:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N10	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N11	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 20:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N12	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N13	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 21:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MAG
Lab File ID	: V22240823N14	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 15:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A21	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A22	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-12	**Date Collected**	: 08/20/24 00:00
Client ID	: TRIP BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/23/24 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A23	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963652-5	**Date Collected**	: NA
Client ID	: WG1963652-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V22240823N05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963652-5	**Date Collected**	: NA
Client ID	: WG1963652-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V22240823N05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963652-5	**Date Collected**	: NA
Client ID	: WG1963652-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V22240823N05	**Instrument ID**	: VOA122
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963895-5	**Date Collected**	: NA
Client ID	: WG1963895-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963895-5	**Date Collected**	: NA
Client ID	: WG1963895-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
123-91-1	1,4-Dioxane	ND	250	61.	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963895-5	**Date Collected**	: NA
Client ID	: WG1963895-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/23/24 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VG240823A05	**Instrument ID**	: GONZO
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A21.D
Acq On : 23 Aug 2024 3:44 pm
Operator : GONZO:PID
Sample : l2447503-10,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 11:39:47 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.086	96	268396	10.000 ug/L	0.00
Standard Area 1 = 365245			Recovery = 73.48%		
59) Chlorobenzene-d5	9.629	117	216264	10.000 ug/L	0.00
Standard Area 1 = 285642			Recovery = 75.71%		
79) 1,4-Dichlorobenzene-d4	12.319	152	120492	10.000 ug/L	0.00
Standard Area 1 = 170158			Recovery = 70.81%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.281	113	78037	11.132 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.32%		
43) 1,2-Dichloroethane-d4	5.805	65	88686	11.909 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.09%		
60) Toluene-d8	7.779	98	256624	9.452 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.52%		
83) 4-Bromofluorobenzene	11.118	95	87786	8.723 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.23%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.265	94	505	0.151 ug/L #	33
6) Chloroethane	2.348	64	240	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.055	76	438	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.572	84	89	N.D.	
17) Acetone	3.640	43	2064	0.722 ug/L #	55
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D. d	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.909	96	74	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A21.D
Acq On : 23 Aug 2024 3:44 pm
Operator : GONZO:PID
Sample : l2447503-10,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 11:39:47 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37)	1,1,1-Trichloroethane	0.000		0	N.D.		
39)	2-Butanone	5.402	43	70	N.D.		
41)	Benzene	5.676	78	74	N.D.		
44)	1,2-Dichloroethane	0.000		0	N.D.	d	
47)	Methyl cyclohexane	0.000		0	N.D.		
48)	Trichloroethene	0.000		0	N.D.	d	
51)	1,2-Dichloropropane	0.000		0	N.D.		
54)	Bromodichloromethane	0.000		0	N.D.		
57)	1,4-Dioxane	0.000		0	N.D.		
58)	cis-1,3-Dichloropropene	7.500	75	71	N.D.		
61)	Toluene	7.829	92	169	N.D.		
62)	4-Methyl-2-pentanone	0.000		0	N.D.		
63)	Tetrachloroethene	0.000		0	N.D.		
65)	trans-1,3-Dichloropropene	0.000		0	N.D.		
68)	1,1,2-Trichloroethane	0.000		0	N.D.		
69)	Chlorodibromomethane	0.000		0	N.D.		
71)	1,2-Dibromoethane	0.000		0	N.D.		
72)	2-Hexanone	9.326	43	66	N.D.		
73)	Chlorobenzene	0.000		0	N.D.		
74)	Ethylbenzene	9.629	91	303	N.D.		
76)	p/m Xylene	0.000		0	N.D.		
77)	o Xylene	0.000		0	N.D.		
78)	Styrene	10.328	104	76	N.D.		
80)	Bromoform	0.000		0	N.D.		
82)	Isopropylbenzene	0.000		0	N.D.		
87)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100)	1,3-Dichlorobenzene	0.000		0	N.D.		
101)	1,4-Dichlorobenzene	0.000		0	N.D.		
104)	1,2-Dichlorobenzene	12.681	146	75	N.D.		
106)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109)	1,2,4-Trichlorobenzene	14.301	180	75	N.D.		
111)	1,2,3-Trichlorobenzene	0.000		0	N.D.		

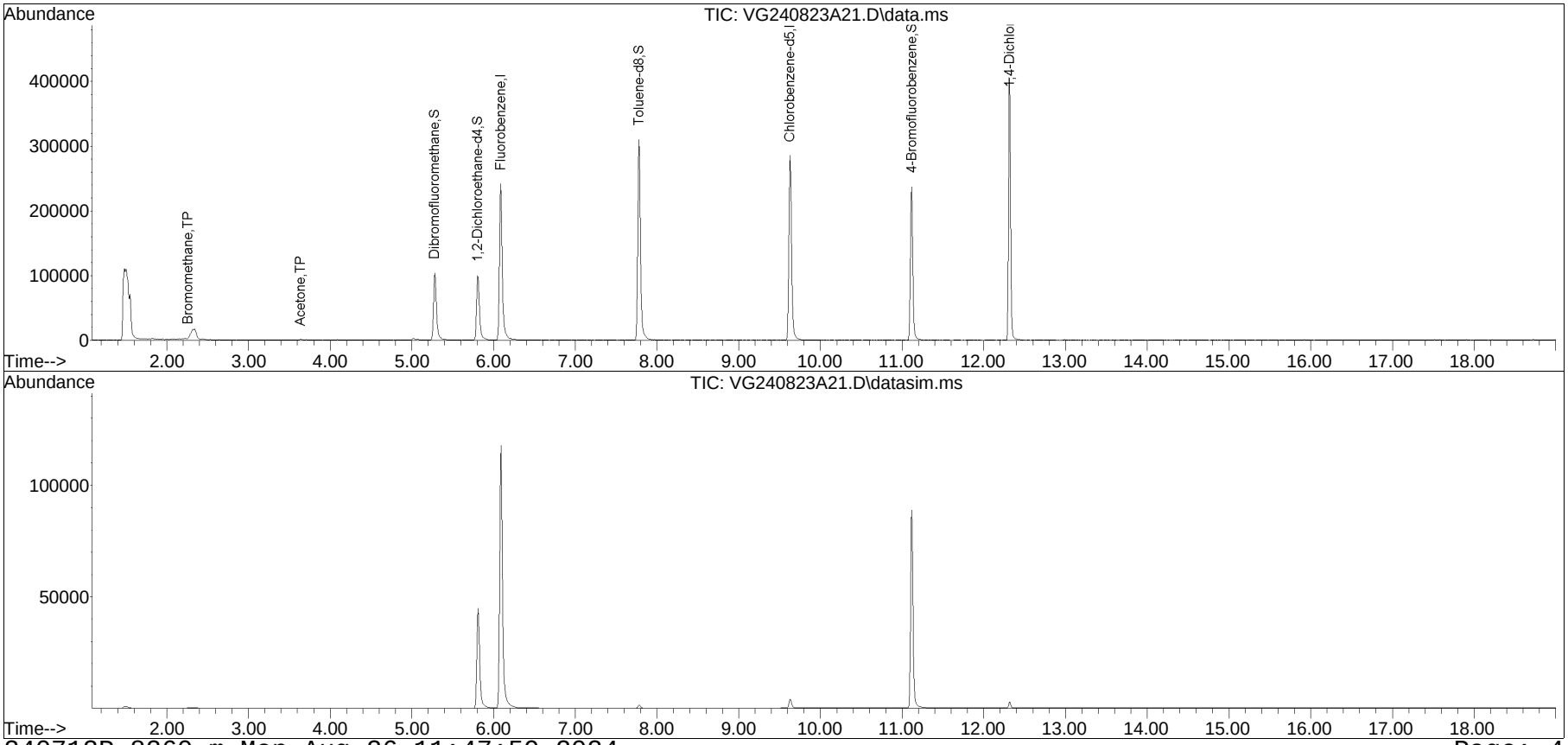
(#) = qualifier out of range (m) = manual integration (+) = signals summed

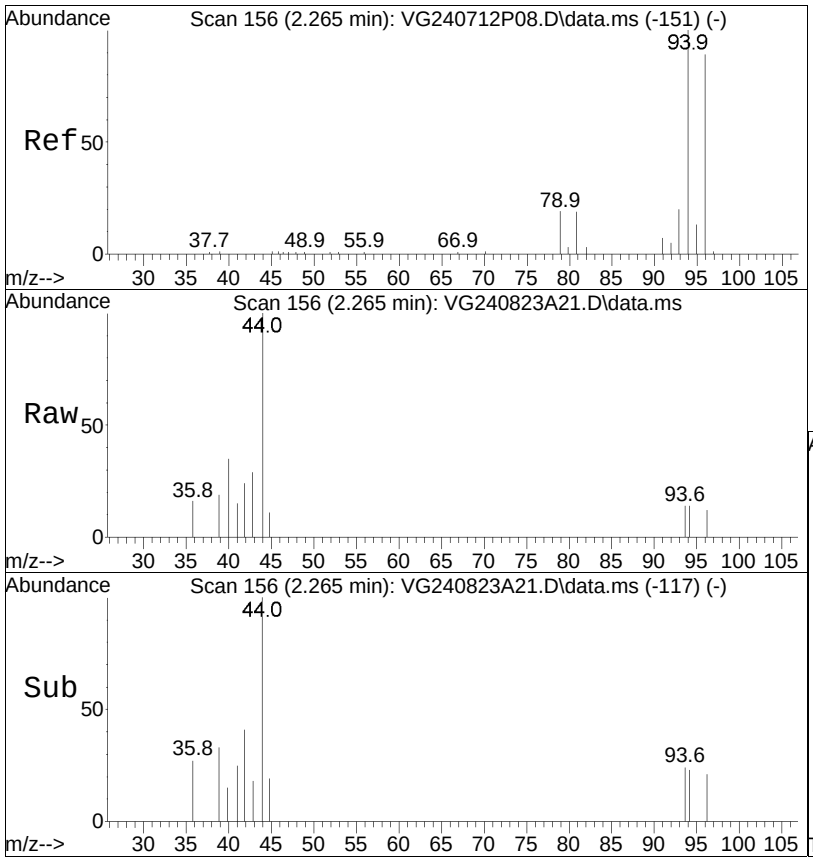
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A21.D
Acq On : 23 Aug 2024 3:44 pm
Operator : GONZO:PID
Sample : l2447503-10,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 11:39:47 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS23A01.D•

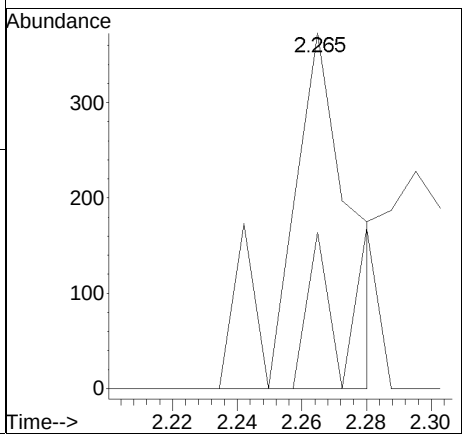


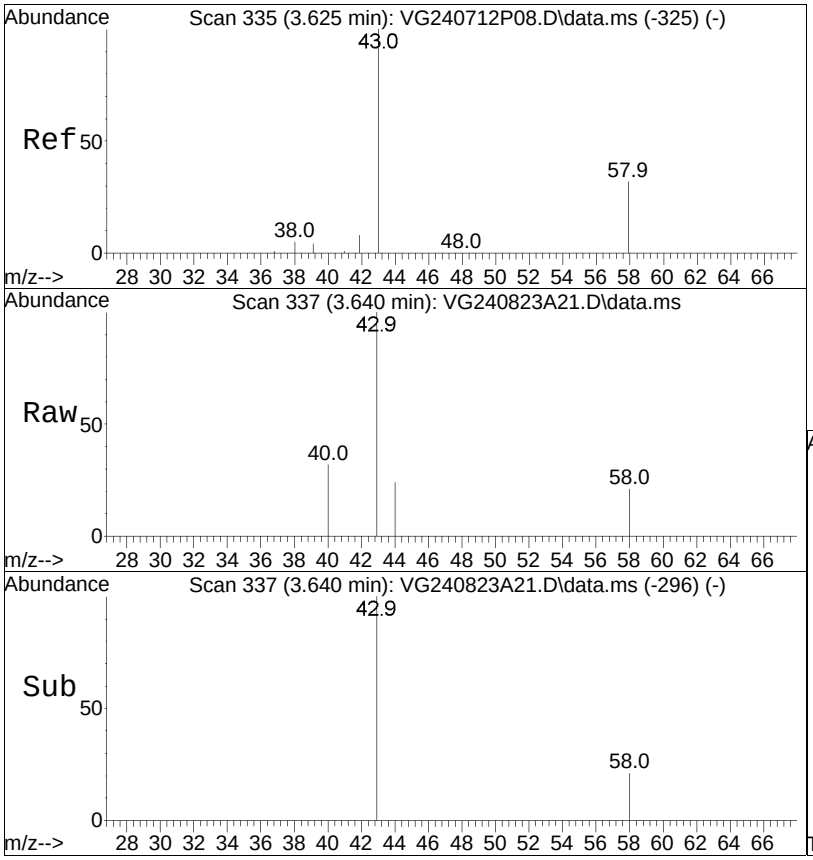


#5
Bromomethane
Concen: 0.15 ug/L
RT: 2.265 min Scan# 156
Delta R.T. -0.000 min
Lab File: VG240823A21.D
Acq: 23 Aug 2024 3:44 pm

Tgt Ion: 94 Resp: 505

Ion	Ratio	Lower	Upper
94	100		
96	29.9	75.2	115.2#

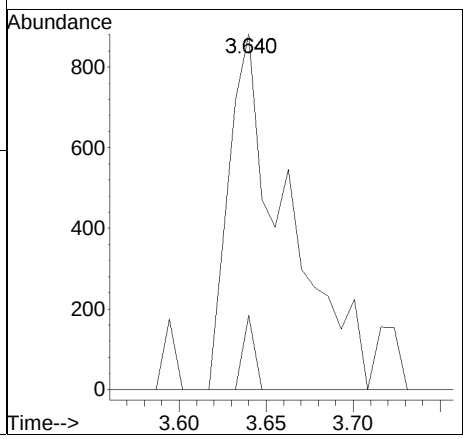




#17
Acetone
Concen: 0.72 ug/L
RT: 3.640 min Scan# 337
Delta R.T. 0.015 min
Lab File: VG240823A21.D
Acq: 23 Aug 2024 3:44 pm

Tgt Ion: 43 Resp: 2064

Ion	Ratio	Lower	Upper
43	100		
58	4.1	22.2	33.4#



Manual Integration Report

Data Path	: K:\Gonzo\2024\240823A\	QMethod	: G_240712P_8260.m
Data File	: VG240823A21.D	Operator	: GONZO:PID
Date Inj'd	: 8/23/2024 3:44 pm	Instrument	: Gonzo
Sample	: l2447503-10,31,10,10,,a	Quant Date	: 8/26/2024 11:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A22.D
Acq On : 23 Aug 2024 4:07 pm
Operator : GONZO:PID
Sample : l2447503-11,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 11:39:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.086	96	282771	10.000 ug/L	0.00
Standard Area 1 = 365245			Recovery = 77.42%		
59) Chlorobenzene-d5	9.629	117	217896	10.000 ug/L	0.00
Standard Area 1 = 285642			Recovery = 76.28%		
79) 1,4-Dichlorobenzene-d4	12.319	152	120431	10.000 ug/L	0.00
Standard Area 1 = 170158			Recovery = 70.78%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.281	113	79485	10.762 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.62%		
43) 1,2-Dichloroethane-d4	5.805	65	91031	11.602 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.02%		
60) Toluene-d8	7.779	98	265368	9.701 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.01%		
83) 4-Bromofluorobenzene	11.118	95	86971	8.646 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.46%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D. d	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.272	94	292	0.083 ug/L	96
6) Chloroethane	2.333	64	102	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.047	76	671	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.571	84	70	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	3.738	43	156	N.D.	
20) Methyl tert-butyl ether	0.000		0	N.D.	
23) 1,1-Dichloroethane	0.000		0	N.D.	
28) cis-1,2-Dichloroethene	4.620	96	70	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	5.205	83	68	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A22.D
Acq On : 23 Aug 2024 4:07 pm
Operator : GONZO:PID
Sample : l2447503-11,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 11:39:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.440	43	71	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	7.793	75	66	N.D.		
61) Toluene	7.829	92	422	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	8.123	75	70	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	9.169	107	79	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.662	91	103	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.220	146	94	N.D.		
101) 1,4-Dichlorobenzene	12.319	146	84	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

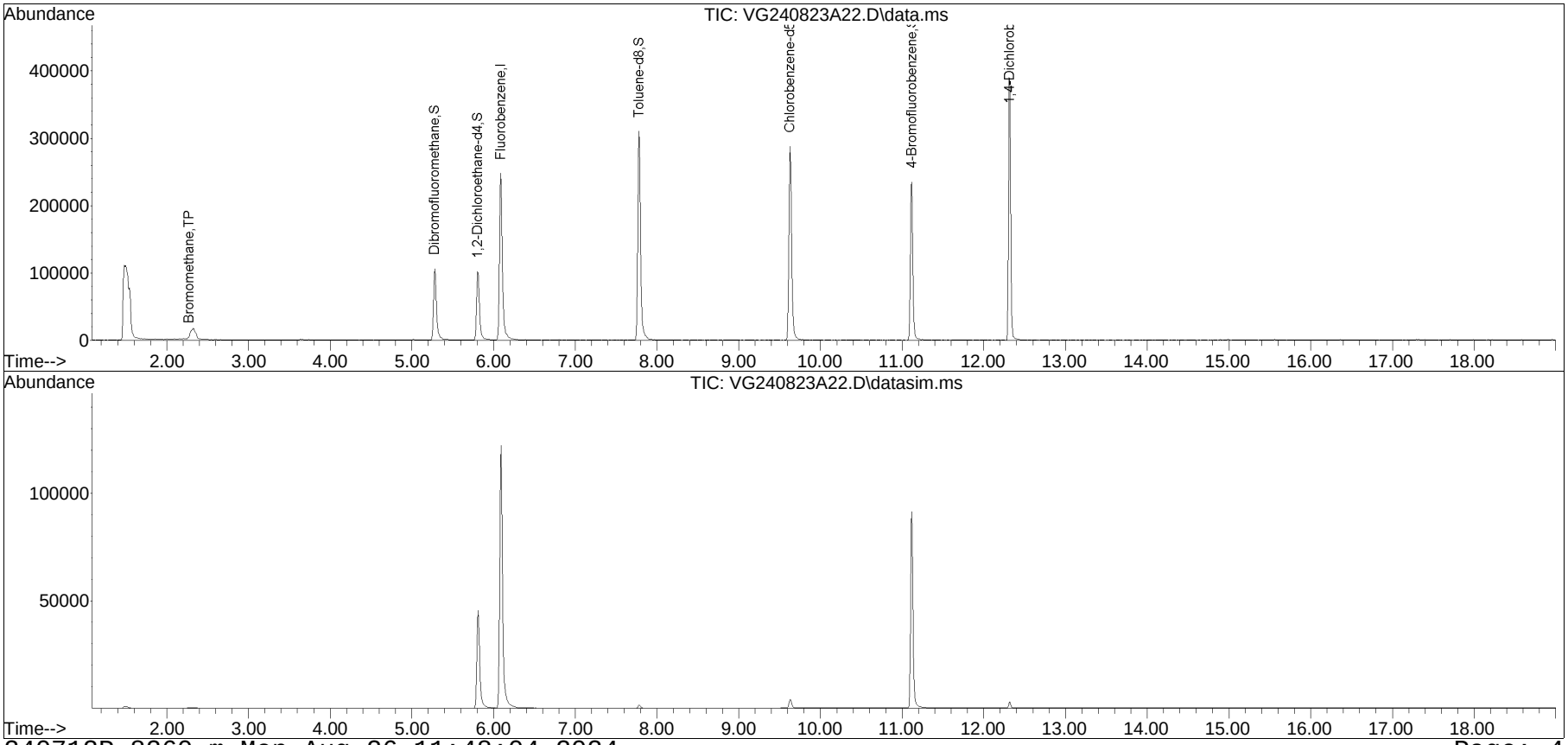
(#) = qualifier out of range (m) = manual integration (+) = signals summed

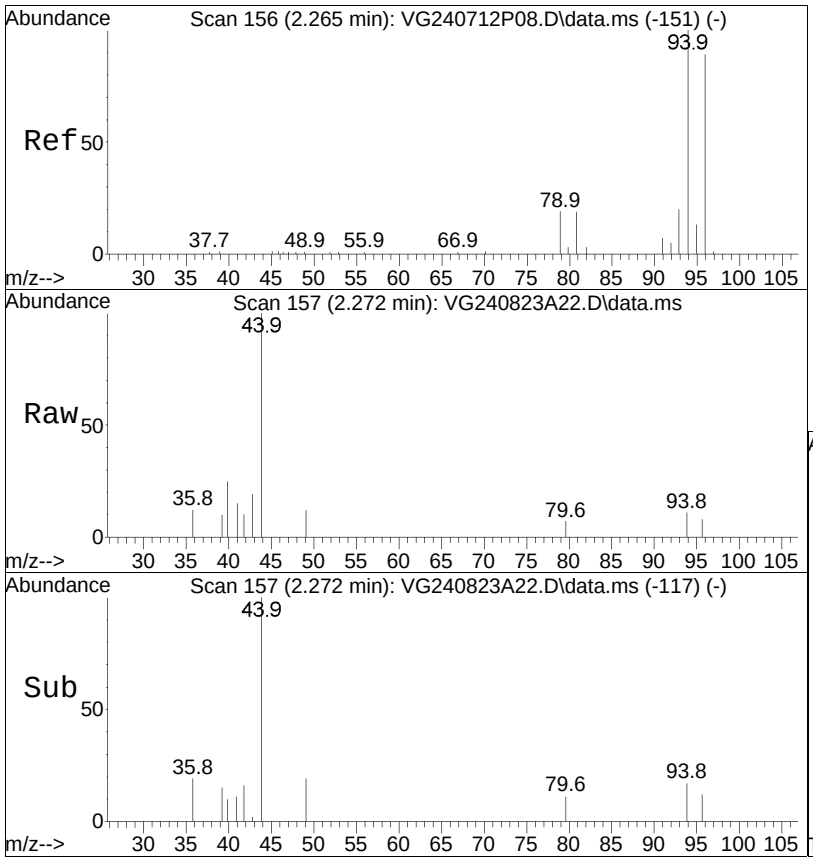
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A22.D
Acq On : 23 Aug 2024 4:07 pm
Operator : GONZO:PID
Sample : l2447503-11,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 11:39:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS23A01.D•

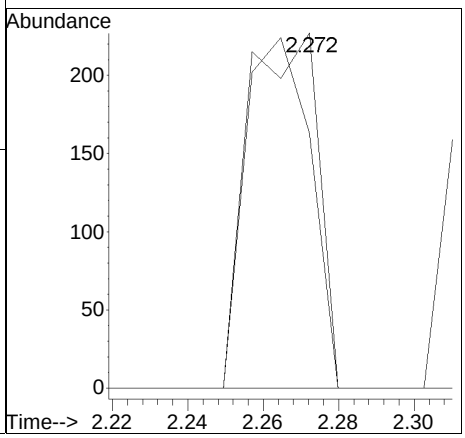




#5
Bromomethane
Concen: 0.08 ug/L
RT: 2.272 min Scan# 157
Delta R.T. 0.007 min
Lab File: VG240823A22.D
Acq: 23 Aug 2024 4:07 pm

Tgt Ion: 94 Resp: 292

Ion	Ratio	Lower	Upper
94	100		
96	91.8	75.2	115.2



Manual Integration Report

Data Path	: K:\Gonzo\2024\240823A\	QMethod	: G_240712P_8260.m
Data File	: VG240823A22.D	Operator	: GONZO:PID
Date Inj'd	: 8/23/2024 4:07 pm	Instrument	: Gonzo
Sample	: l2447503-11,31,10,10,,a	Quant Date	: 8/26/2024 11:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A23.D
Acq On : 23 Aug 2024 4:31 pm
Operator : GONZO:PID
Sample : l2447503-12,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 11:40:14 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.086	96	275660	10.000 ug/L	0.00
Standard Area 1 = 365245			Recovery = 75.47%		
59) Chlorobenzene-d5	9.629	117	216851	10.000 ug/L	0.00
Standard Area 1 = 285642			Recovery = 75.92%		
79) 1,4-Dichlorobenzene-d4	12.311	152	120687	10.000 ug/L	0.00
Standard Area 1 = 170158			Recovery = 70.93%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.281	113	77292	10.735 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.35%		
43) 1,2-Dichloroethane-d4	5.805	65	88967	11.632 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 116.32%		
60) Toluene-d8	7.779	98	268369	9.858 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.58%		
83) 4-Bromofluorobenzene	11.110	95	87507	8.681 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.81%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.273	94	440M3	0.128 ug/L	
6) Chloroethane	2.318	64	328	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.040	76	520	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D.	d
20) Methyl tert-butyl ether	3.579	73	69	N.D.	
23) 1,1-Dichloroethane	4.233	63	86	N.D.	
28) cis-1,2-Dichloroethene	0.000		0	N.D.	
30) Bromochloromethane	0.000		0	N.D.	
31) Cyclohexane	0.000		0	N.D.	
32) Chloroform	0.000		0	N.D.	
34) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A23.D
Acq On : 23 Aug 2024 4:31 pm
Operator : GONZO:PID
Sample : l2447503-12,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 11:40:14 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.570	43	71	N.D.		
41) Benzene	5.676	78	81	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	6.466	83	74	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	7.837	92	318	N.D.		
62) 4-Methyl-2-pentanone	8.166	58	90	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.302	83	73	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.076	43	82	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	9.629	91	353	N.D.		
76) p/m Xylene	9.925	106	167	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
100) 1,3-Dichlorobenzene	12.327	146	156	N.D.		
101) 1,4-Dichlorobenzene	12.327	146	156	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

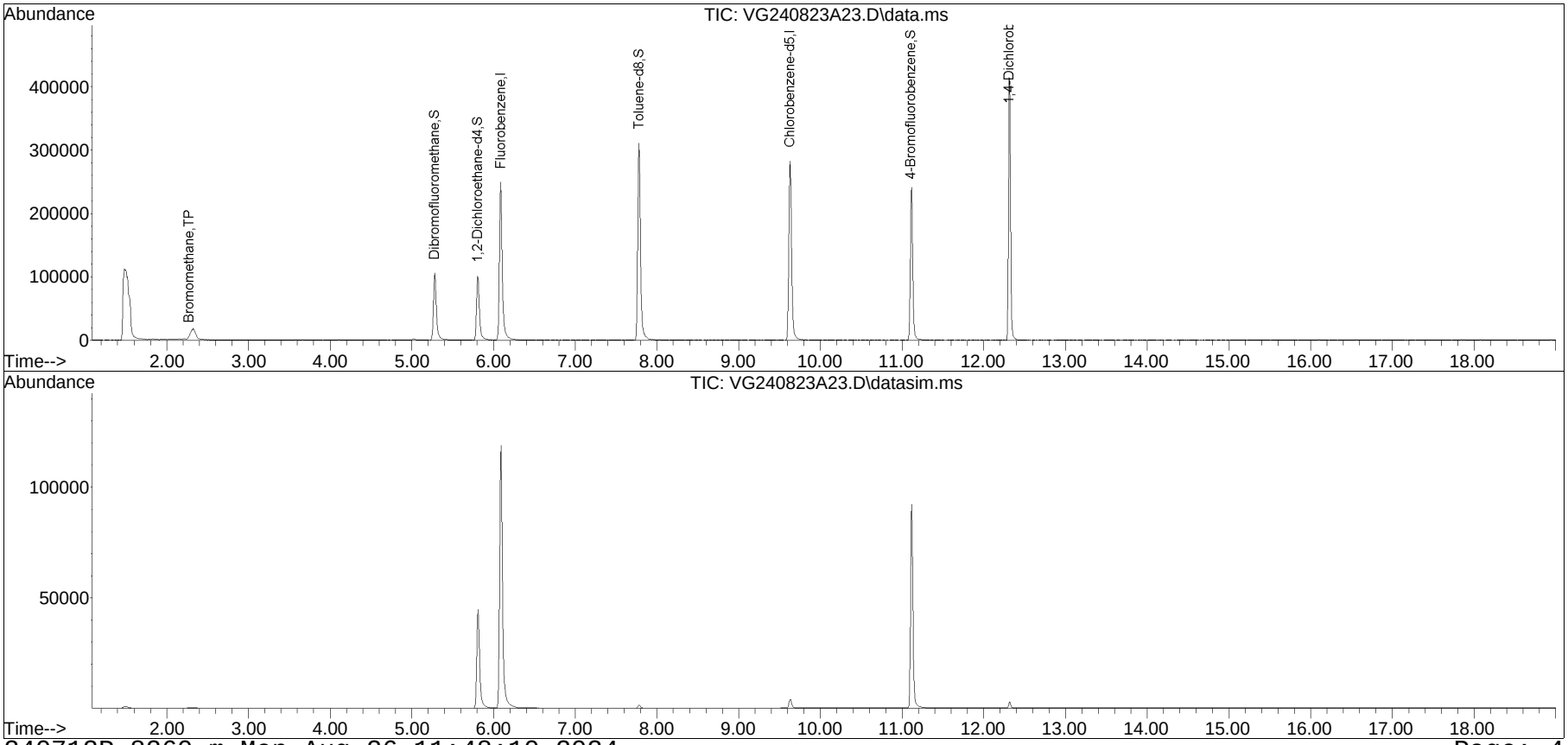
(#) = qualifier out of range (m) = manual integration (+) = signals summed

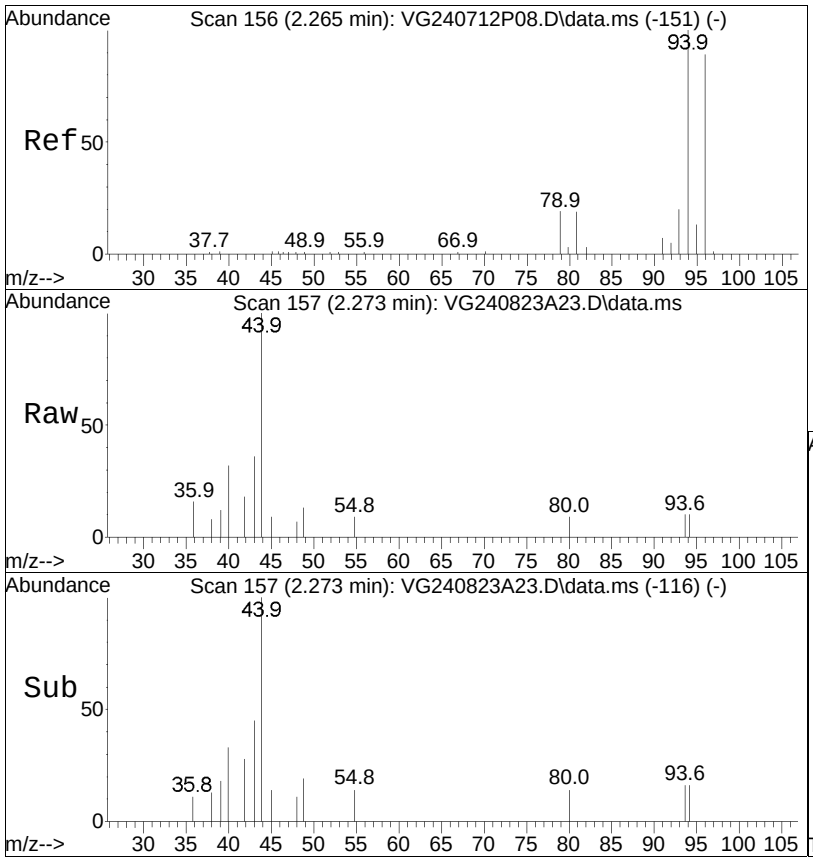
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A23.D
Acq On : 23 Aug 2024 4:31 pm
Operator : GONZO:PID
Sample : l2447503-12,31,10,10,,a
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 11:40:14 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS23A01.D•

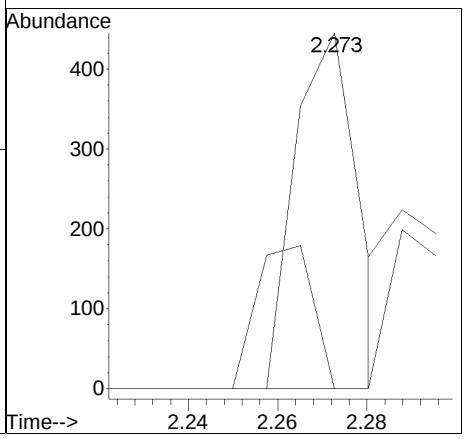




#5
Bromomethane
Concen: 0.13 ug/L M3
RT: 2.273 min Scan# 157
Delta R.T. 0.008 min
Lab File: VG240823A23.D
Acq: 23 Aug 2024 4:31 pm

Tgt Ion: 94 Resp: 440

Ion	Ratio	Lower	Upper
94	100		
96	37.7	75.2	115.2#

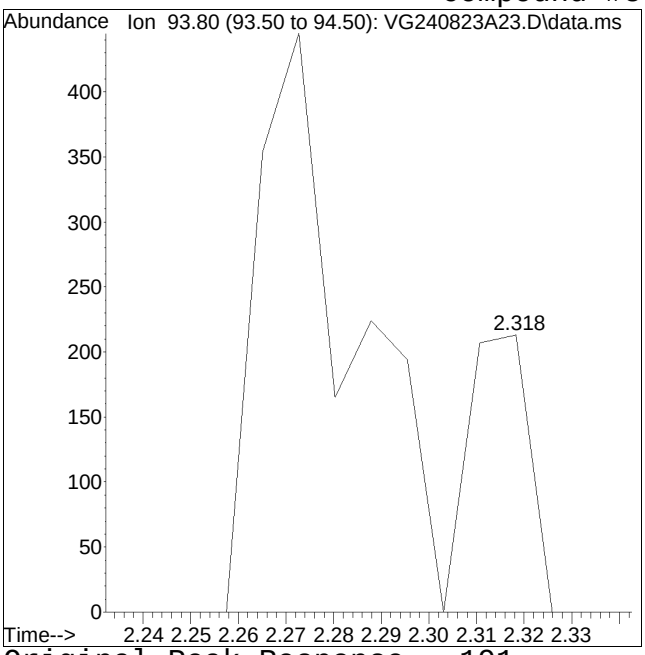


Manual Integration Report

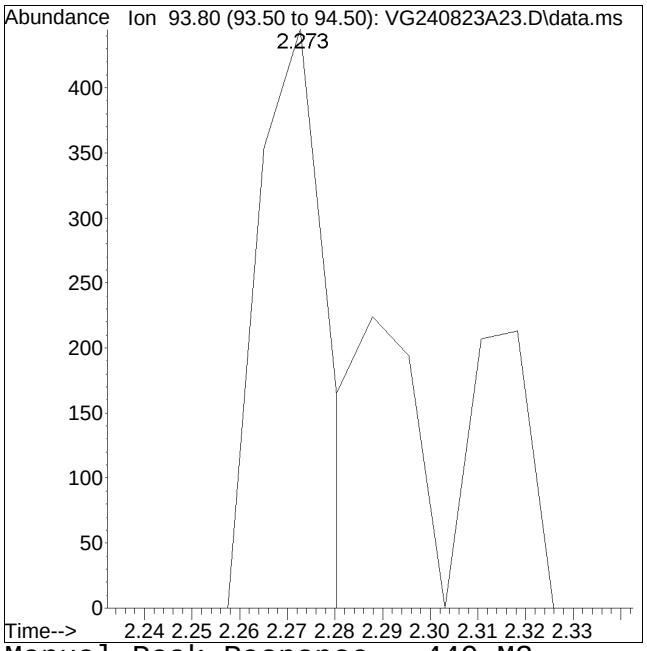
Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A23.D
Date Inj'd : 8/23/2024 4:31 pm
Sample : l2447503-12,31,10,10,,a

QMethod : G_240712P_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 8/26/2024 11:35 am

Compound #5: Bromomethane



Original Peak Response = 191



Manual Peak Response = 440 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N06.D
Acq On : 23 Aug 2024 06:06 pm
Operator : VOA122:MAG
Sample : L2447503-01,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 20:24:14 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	391074	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.28%			
62) Chlorobenzene-d5	9.519	117	331659	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 92.96%			
83) 1,4-Dichlorobenzene-d4	12.230	152	166984	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 88.95%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	144050	10.542	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.42%			
46) 1,2-Dichloroethane-d4	5.682	65	119091	10.310	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.10%			
63) Toluene-d8	7.668	98	400953	9.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.88%			
87) 4-Bromofluorobenzene	11.013	95	133010	8.747	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.47%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.809	50	188	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.189	94	129	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	508	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.467	84	275	N.D.		
17) Acetone	3.513	43	1395	1.067	ug/L #	76
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
21) Methyl tert-butyl ether	3.722	73	61	N.D.		
25) 1,1-Dichloroethane	4.201	63	65	N.D.		
30) cis-1,2-Dichloroethene	4.725	96	153	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.981	83	60	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N06.D
Acq On : 23 Aug 2024 06:06 pm
Operator : VOA122:MAG
Sample : L2447503-01,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 20:24:14 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.			
41) 2-Butanone	0.000		0	N.D.			
44) Benzene	5.558	78	3381	0.136	ug/L	#	83
47) 1,2-Dichloroethane	0.000		0	N.D.			
50) Methyl cyclohexane	0.000		0	N.D.			
51) Trichloroethene	0.000		0	N.D.			
54) 1,2-Dichloropropane	0.000		0	N.D.			
57) Bromodichloromethane	0.000		0	N.D.			
60) 1,4-Dioxane	0.000		0	N.D.			
61) cis-1,3-Dichloropropene	0.000		0	N.D.			
64) Toluene	7.731	92	986	0.072	ug/L		92
65) 4-Methyl-2-pentanone	0.000		0	N.D.			
66) Tetrachloroethene	8.176	166	158	N.D.			
68) trans-1,3-Dichloropropene	0.000		0	N.D.			
71) 1,1,2-Trichloroethane	0.000		0	N.D.			
72) Chlorodibromomethane	0.000		0	N.D.			
74) 1,2-Dibromoethane	0.000		0	N.D.			
76) 2-Hexanone	0.000		0	N.D.			
77) Chlorobenzene	0.000		0	N.D.			
78) Ethylbenzene	9.582	91	500	N.D.			
80) p/m Xylene	9.778	106	211	N.D.			
81) o Xylene	0.000		0	N.D.			
82) Styrene	10.382	104	223	N.D.			
84) Bromoform	0.000		0	N.D.			
86) Isopropylbenzene	0.000		0	N.D.			
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
104) 1,3-Dichlorobenzene	12.153	146	155	N.D.			
105) 1,4-Dichlorobenzene	12.244	146	139	N.D.			
108) 1,2-Dichlorobenzene	0.000		0	N.D.			
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.			
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.			

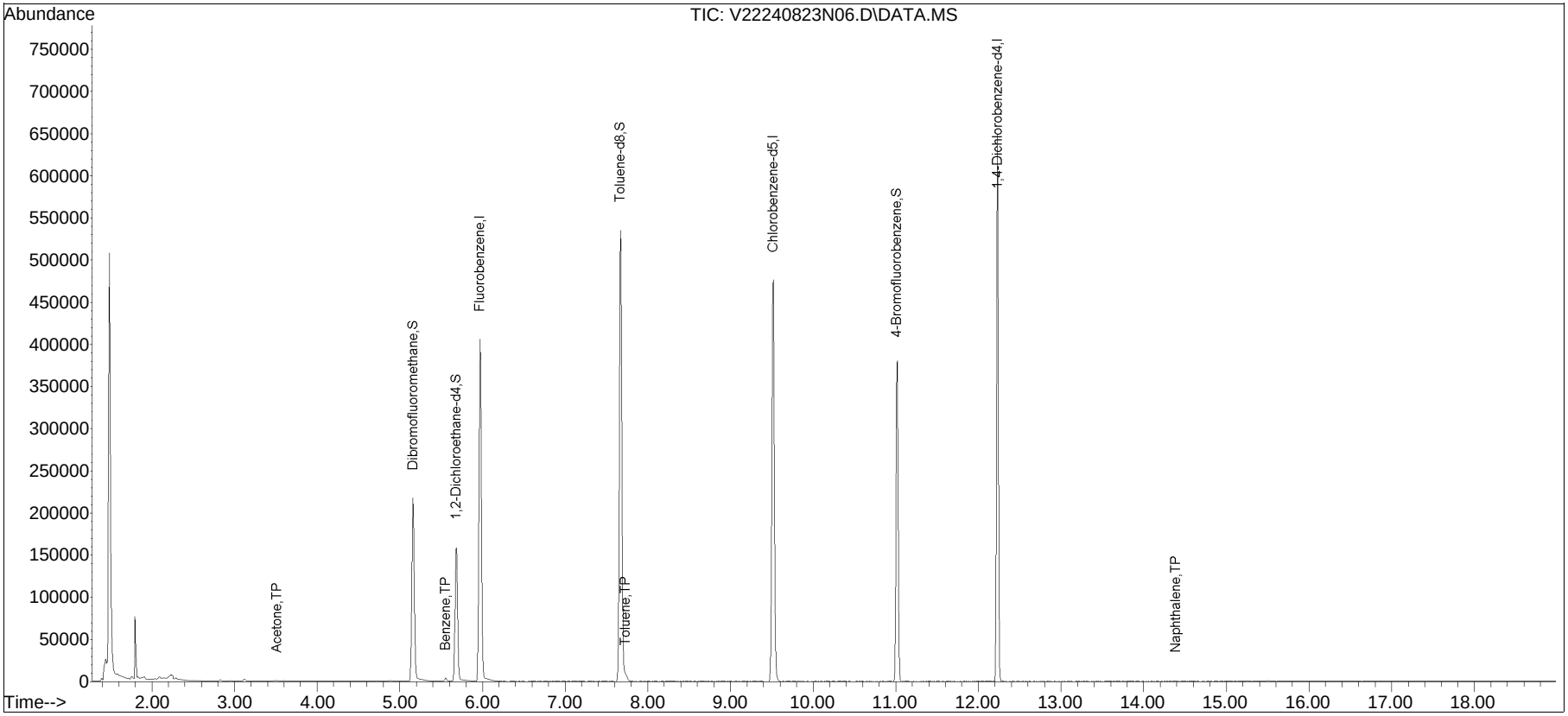
(#) = qualifier out of range (m) = manual integration (+) = signals summed

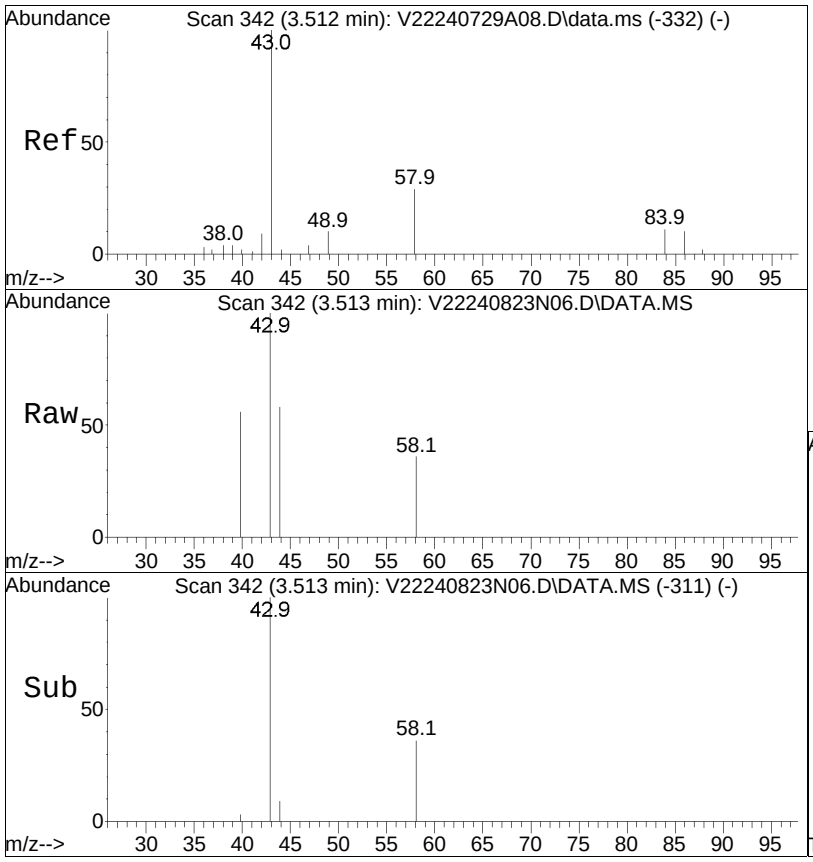
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N06.D
Acq On : 23 Aug 2024 06:06 pm
Operator : VOA122:MAG
Sample : L2447503-01,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 25 20:24:14 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•

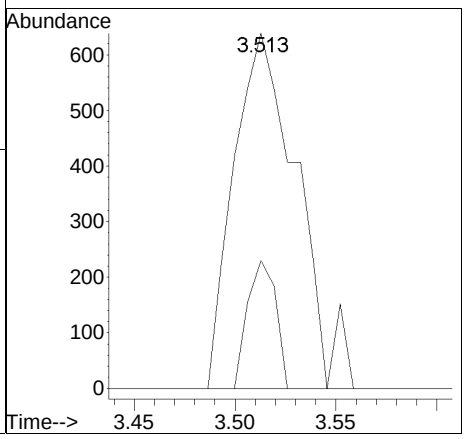


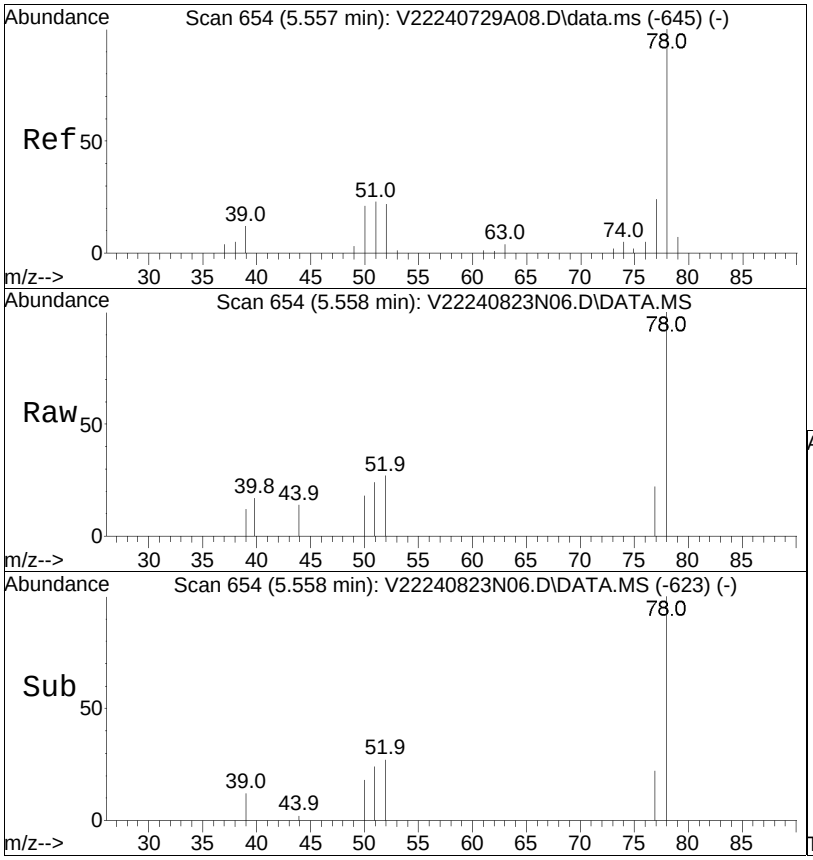


#17
Acetone
Concen: 1.07 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.001 min
Lab File: V22240823N06.D
Acq: 23 Aug 2024 06:06 pm

Tgt Ion: 43 Resp: 1395

Ion	Ratio	Lower	Upper
43	100		
58	16.1	23.1	34.7#

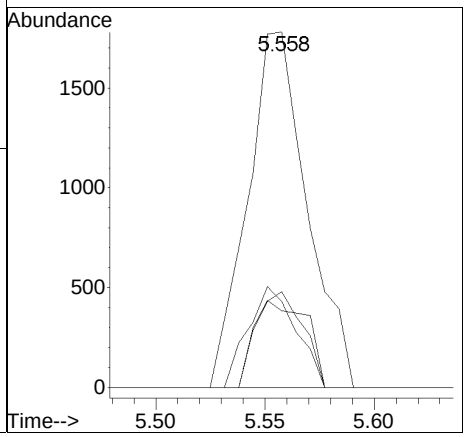


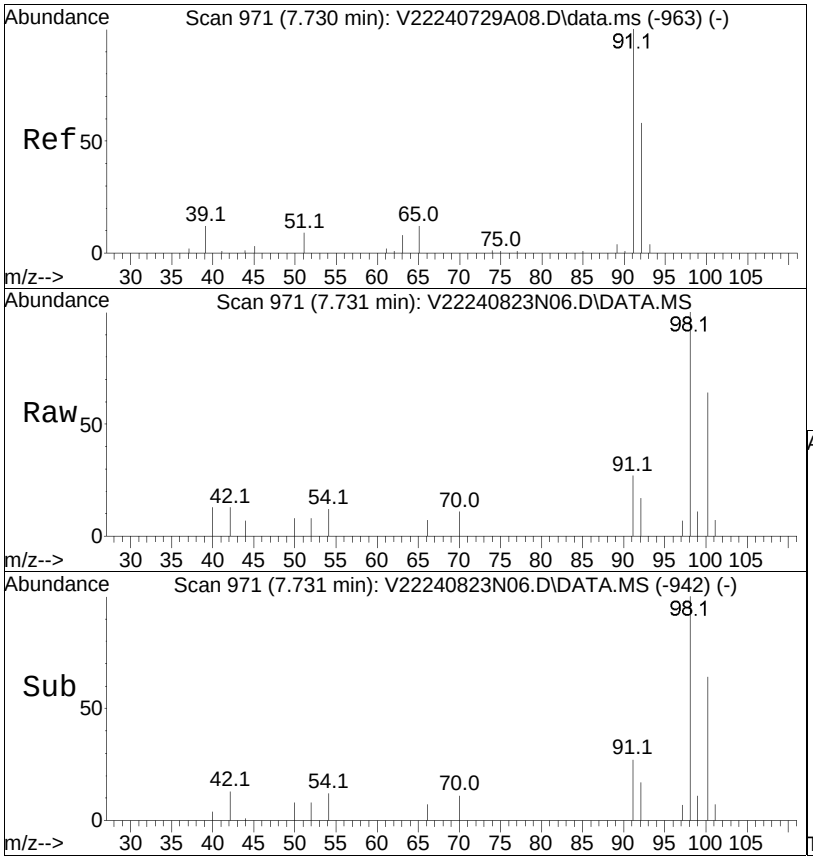


#44
Benzene
Concen: 0.14 ug/L
RT: 5.558 min Scan# 654
Delta R.T. 0.001 min
Lab File: V22240823N06.D
Acq: 23 Aug 2024 06:06 pm

Tgt Ion: 78 Resp: 3381

Ion	Ratio	Lower	Upper
78	100		
77	21.5	15.4	32.0
51	0.0	9.8	20.4#
52	21.1	9.2	19.2#

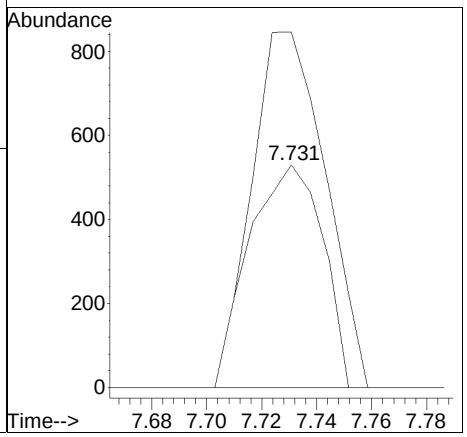




#64
Toluene
Concen: 0.07 ug/L
RT: 7.731 min Scan# 971
Delta R.T. 0.001 min
Lab File: V22240823N06.D
Acq: 23 Aug 2024 06:06 pm

Tgt Ion: 92 Resp: 986

Ion	Ratio	Lower	Upper
92	100		
91	160.1	137.0	205.6



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N06.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 6:06 pm	Instrument	: VOA 122
Sample	: L2447503-01,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N07.D
Acq On : 23 Aug 2024 06:31 pm
Operator : VOA122:MAG
Sample : L2447503-02,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 25 20:24:58 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.970	96	380245	10.000 ug/L	0.00
Standard Area 1 = 428454			Recovery = 88.75%		
62) Chlorobenzene-d5	9.519	117	335315	10.000 ug/L	0.00
Standard Area 1 = 356768			Recovery = 93.99%		
83) 1,4-Dichlorobenzene-d4	12.229	152	167598	10.000 ug/L	0.00
Standard Area 1 = 187735			Recovery = 89.27%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.158	113	140656	10.587 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.87%		
46) 1,2-Dichloroethane-d4	5.688	65	118683	10.568 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.68%		
63) Toluene-d8	7.668	98	402608	9.424 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.24%		
87) 4-Bromofluorobenzene	11.019	95	133777	8.766 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.66%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.802	50	61	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.189	94	67	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.962	76	351	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.473	84	206	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D.	d
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
33) Cyclohexane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	
36) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N07.D
Acq On : 23 Aug 2024 06:31 pm
Operator : VOA122:MAG
Sample : L2447503-02,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 25 20:24:58 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	1,1,1-Trichloroethane	0.000		0		N.D.	
41)	2-Butanone	0.000		0		N.D.	
44)	Benzene	0.000		0		N.D.	
47)	1,2-Dichloroethane	0.000		0		N.D.	
50)	Methyl cyclohexane	0.000		0		N.D.	
51)	Trichloroethene	0.000		0		N.D.	
54)	1,2-Dichloropropane	0.000		0		N.D.	
57)	Bromodichloromethane	0.000		0		N.D.	
60)	1,4-Dioxane	0.000		0		N.D.	
61)	cis-1,3-Dichloropropene	0.000		0		N.D.	
64)	Toluene	0.000		0		N.D.	
65)	4-Methyl-2-pentanone	0.000		0		N.D.	
66)	Tetrachloroethene	0.000		0		N.D.	
68)	trans-1,3-Dichloropropene	0.000		0		N.D.	
71)	1,1,2-Trichloroethane	0.000		0		N.D.	
72)	Chlorodibromomethane	0.000		0		N.D.	
74)	1,2-Dibromoethane	0.000		0		N.D.	
76)	2-Hexanone	0.000		0		N.D.	
77)	Chlorobenzene	0.000		0		N.D.	
78)	Ethylbenzene	9.512	91	485		N.D.	
80)	p/m Xylene	0.000		0		N.D.	
81)	o Xylene	0.000		0		N.D.	
82)	Styrene	0.000		0		N.D.	
84)	Bromoform	0.000		0		N.D.	
86)	Isopropylbenzene	0.000		0		N.D.	
91)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

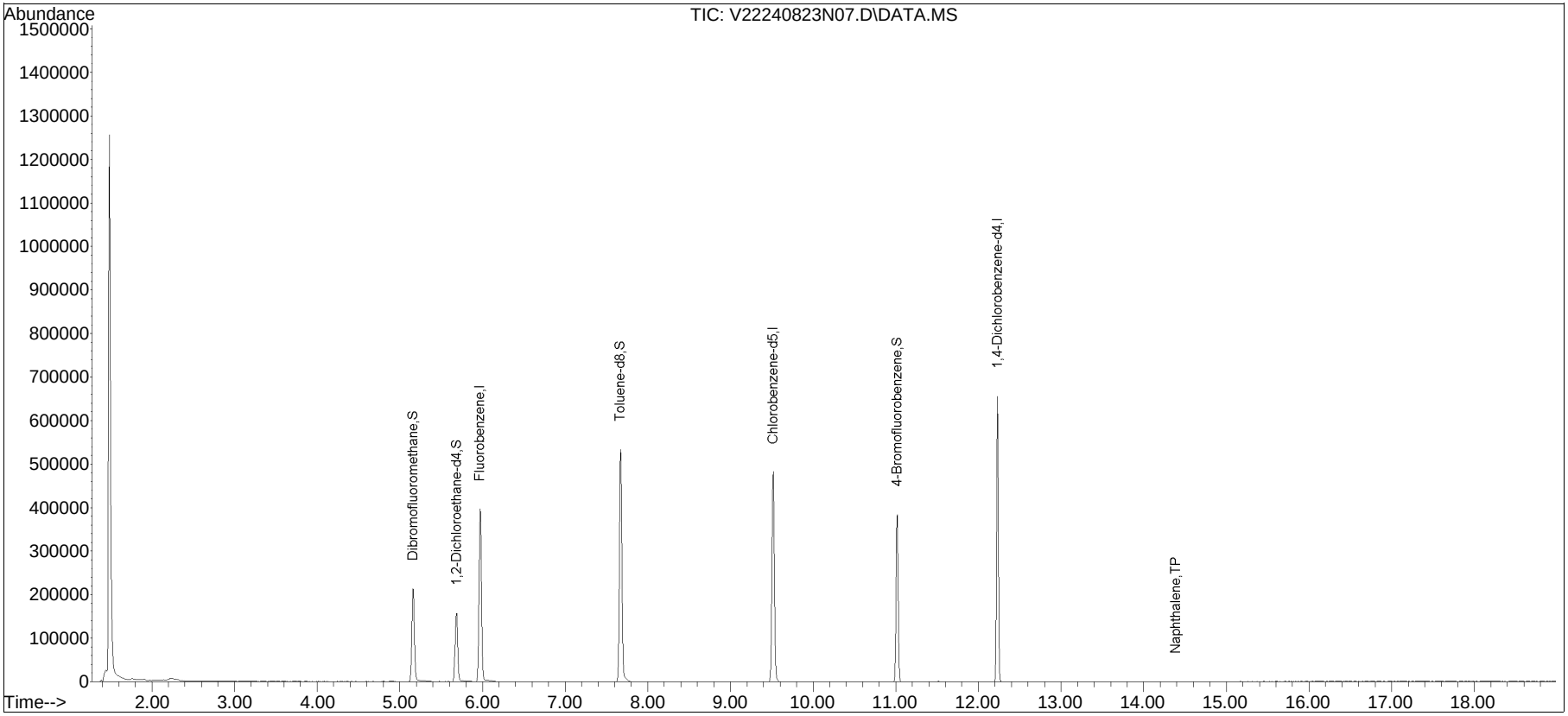
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N07.D
Acq On : 23 Aug 2024 06:31 pm
Operator : VOA122:MAG
Sample : L2447503-02,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 25 20:24:58 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N07.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 6:31 pm	Instrument	: VOA 122
Sample	: L2447503-02,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N08.D
Acq On : 23 Aug 2024 06:56 pm
Operator : VOA122:MAG
Sample : L2447503-03,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 25 20:25:26 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	391556	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.39%			
62) Chlorobenzene-d5	9.519	117	333148	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 93.38%			
83) 1,4-Dichlorobenzene-d4	12.229	152	170230	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 90.68%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	145737	10.652	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.52%			
46) 1,2-Dichloroethane-d4	5.682	65	117923	10.197	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.97%			
63) Toluene-d8	7.675	98	401854	9.467	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.67%			
87) 4-Bromofluorobenzene	11.019	95	135349	8.732	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.195	94	84	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.955	76	287	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.473	84	210	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.797	96	64	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.987	83	63	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N08.D
Acq On : 23 Aug 2024 06:56 pm
Operator : VOA122:MAG
Sample : L2447503-03,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 25 20:25:26 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	1,1,1-Trichloroethane	0.000		0		N.D.	
41)	2-Butanone	0.000		0		N.D.	
44)	Benzene	0.000		0		N.D.	
47)	1,2-Dichloroethane	0.000		0		N.D.	
50)	Methyl cyclohexane	0.000		0		N.D.	
51)	Trichloroethene	0.000		0		N.D.	
54)	1,2-Dichloropropane	0.000		0		N.D.	
57)	Bromodichloromethane	0.000		0		N.D.	
60)	1,4-Dioxane	0.000		0		N.D.	
61)	cis-1,3-Dichloropropene	0.000		0		N.D.	
64)	Toluene	0.000		0		N.D.	
65)	4-Methyl-2-pentanone	0.000		0		N.D.	
66)	Tetrachloroethene	0.000		0		N.D.	
68)	trans-1,3-Dichloropropene	0.000		0		N.D.	
71)	1,1,2-Trichloroethane	0.000		0		N.D.	
72)	Chlorodibromomethane	0.000		0		N.D.	
74)	1,2-Dibromoethane	0.000		0		N.D.	
76)	2-Hexanone	0.000		0		N.D.	
77)	Chlorobenzene	0.000		0		N.D.	
78)	Ethylbenzene	9.512	91	543		N.D.	
80)	p/m Xylene	0.000		0		N.D.	
81)	o Xylene	0.000		0		N.D.	
82)	Styrene	0.000		0		N.D.	
84)	Bromoform	0.000		0		N.D.	
86)	Isopropylbenzene	0.000		0		N.D.	
91)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

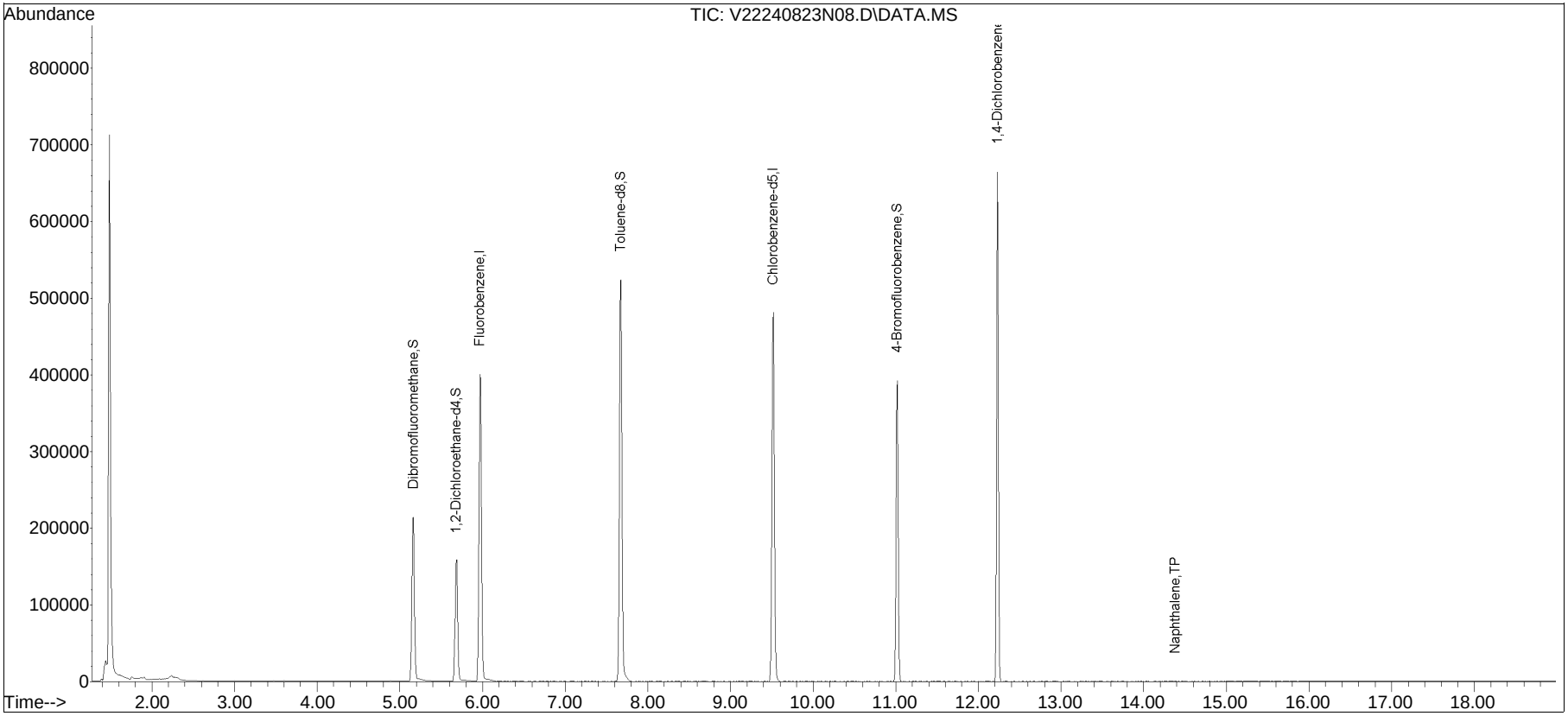
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N08.D
Acq On : 23 Aug 2024 06:56 pm
Operator : VOA122:MAG
Sample : L2447503-03,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 25 20:25:26 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N08.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 6:56 pm	Instrument	: VOA 122
Sample	: L2447503-03,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N09.D
Acq On : 23 Aug 2024 07:21 pm
Operator : VOA122:MAG
Sample : L2447503-04,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 25 20:25:51 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	379808	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 88.65%			
62) Chlorobenzene-d5	9.519	117	332235	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 93.12%			
83) 1,4-Dichlorobenzene-d4	12.229	152	167606	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 89.28%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.157	113	143942	10.847	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.47%			
46) 1,2-Dichloroethane-d4	5.682	65	118939	10.603	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.03%			
63) Toluene-d8	7.668	98	398159	9.406	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.06%			
87) 4-Bromofluorobenzene	11.012	95	133603	8.754	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.54%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.195	94	62	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	376	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.480	84	284	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.519	43	136	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.804	96	60	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.980	83	8311	0.765	ug/L	95
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N09.D
Acq On : 23 Aug 2024 07:21 pm
Operator : VOA122:MAG
Sample : L2447503-04,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 25 20:25:51 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.519	91	556		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

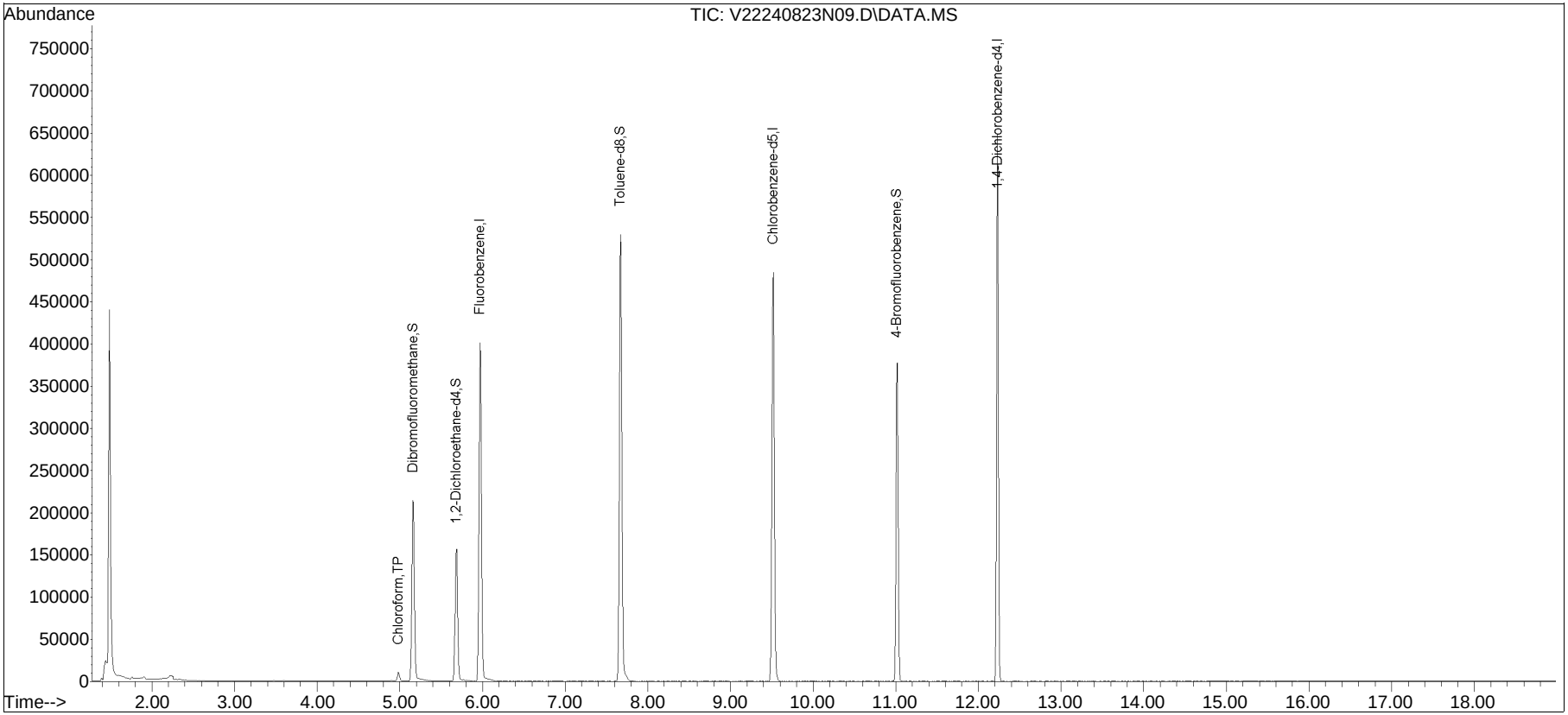
(#) = qualifier out of range (m) = manual integration (+) = signals summed

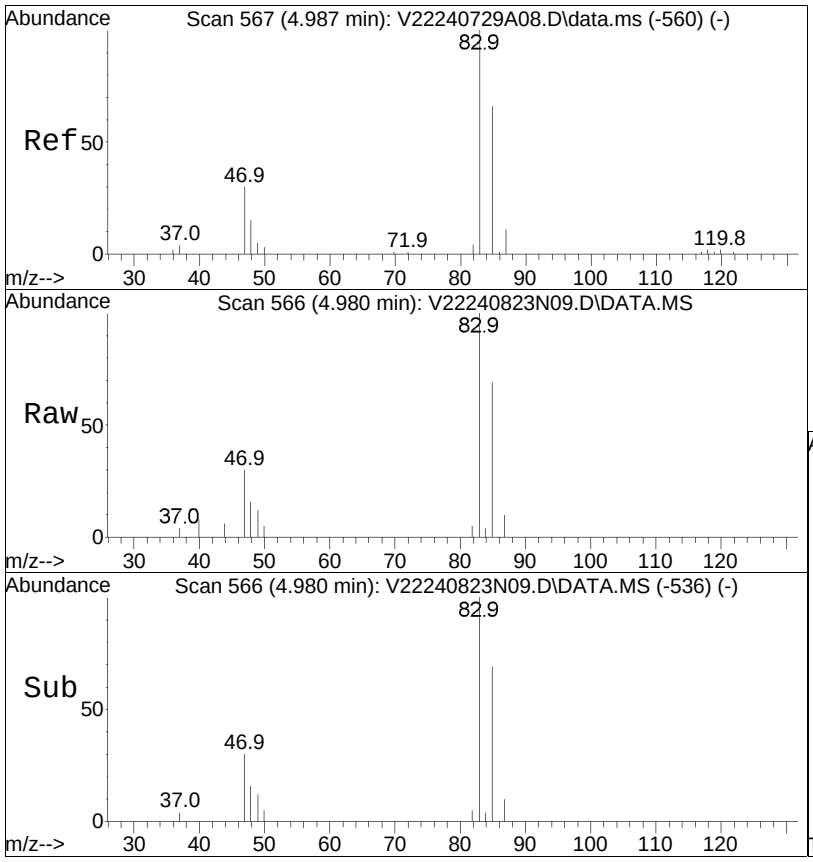
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N09.D
Acq On : 23 Aug 2024 07:21 pm
Operator : VOA122:MAG
Sample : L2447503-04,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 25 20:25:51 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•

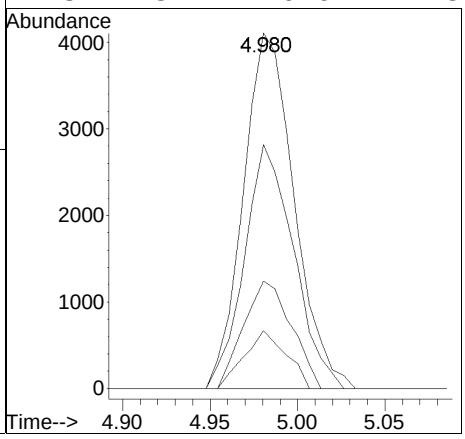




#34
Chloroform
Concen: 0.76 ug/L
RT: 4.980 min Scan# 566
Delta R.T. -0.007 min
Lab File: V22240823N09.D
Acq: 23 Aug 2024 07:21 pm

Tgt Ion: 83 Resp: 8311

Ion	Ratio	Lower	Upper
83	100		
85	66.5	42.4	88.2
47	28.3	14.0	29.0
48	13.4	6.9	14.3



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N09.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 7:21 pm	Instrument	: VOA 122
Sample	: L2447503-04,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N10.D
Acq On : 23 Aug 2024 07:46 pm
Operator : VOA122:MAG
Sample : L2447503-05,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 20:17:56 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.976	96	394080	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.98%			
62) Chlorobenzene-d5	9.519	117	337700	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 94.66%			
83) 1,4-Dichlorobenzene-d4	12.229	152	167405	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 89.17%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	144600	10.502	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.02%			
46) 1,2-Dichloroethane-d4	5.688	65	122786	10.549	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.49%			
63) Toluene-d8	7.675	98	402005	9.343	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.43%			
87) 4-Bromofluorobenzene	11.019	95	135903	8.915	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.461	85	62	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	243	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.473	84	161	N.D.		
17) Acetone	3.506	43	60	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.506	43	60	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.980	83	189	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N10.D
Acq On : 23 Aug 2024 07:46 pm
Operator : VOA122:MAG
Sample : L2447503-05,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 20:17:56 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.512	91	379		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

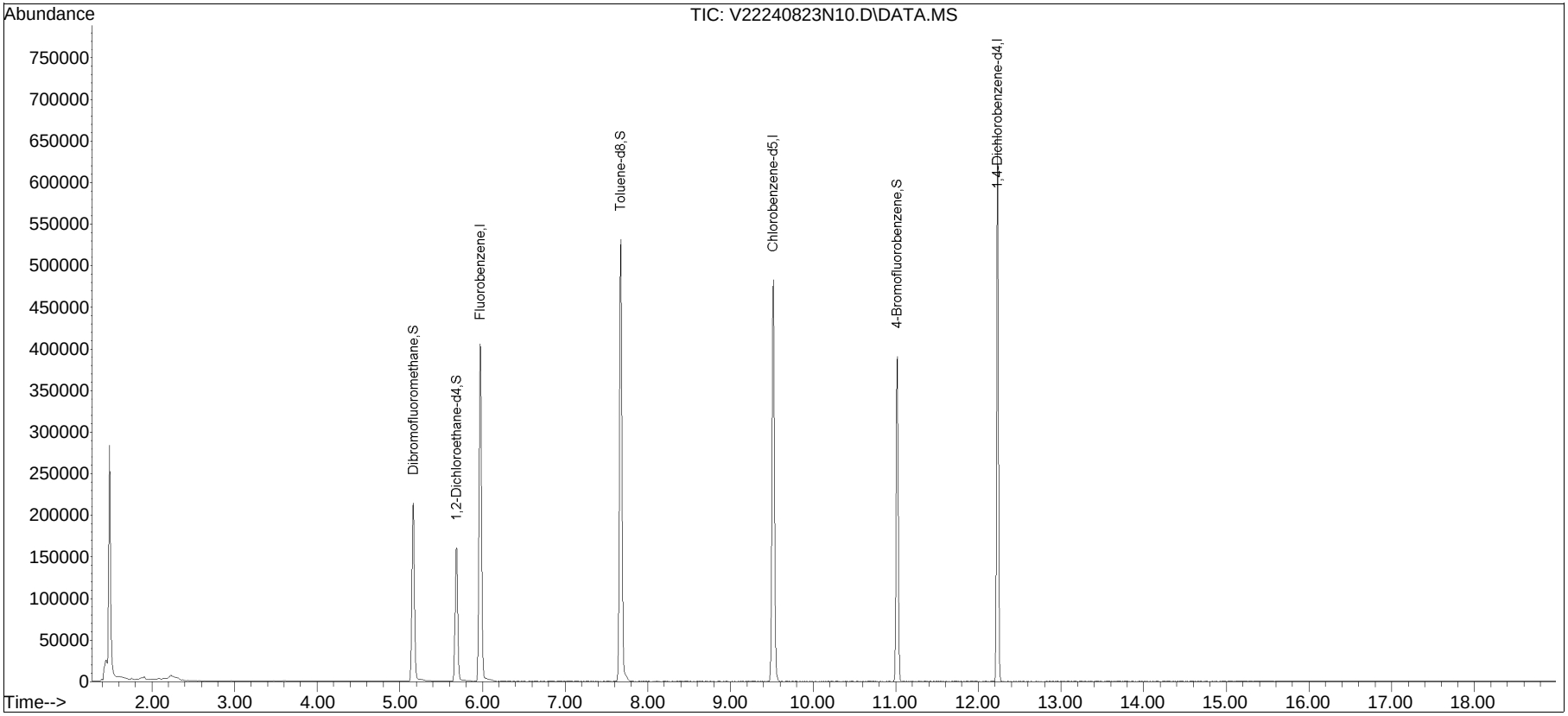
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N10.D
Acq On : 23 Aug 2024 07:46 pm
Operator : VOA122:MAG
Sample : L2447503-05,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 25 20:17:56 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N10.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 7:46 pm	Instrument	: VOA 122
Sample	: L2447503-05,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N11.D
Acq On : 23 Aug 2024 08:11 pm
Operator : VOA122:MAG
Sample : L2447503-06,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 20:26:54 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.970	96	387605	10.000 ug/L	0.00
Standard Area 1 = 428454			Recovery = 90.47%		
62) Chlorobenzene-d5	9.519	117	326852	10.000 ug/L	0.00
Standard Area 1 = 356768			Recovery = 91.61%		
83) 1,4-Dichlorobenzene-d4	12.229	152	167153	10.000 ug/L	0.00
Standard Area 1 = 187735			Recovery = 89.04%		
System Monitoring Compounds					
38) Dibromofluoromethane	5.157	113	139714	10.316 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.16%		
46) 1,2-Dichloroethane-d4	5.682	65	122271	10.680 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.80%		
63) Toluene-d8	7.675	98	393510	9.449 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.49%		
87) 4-Bromofluorobenzene	11.019	95	131921	8.667 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.67%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.448	85	67	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	0.000		0	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.962	76	61	N.D.	
12) Freon-113	0.000		0	N.D.	
15) Methylene chloride	3.466	84	208	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
19) Methyl acetate	0.000		0	N.D.	d
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.803	96	59	N.D.	
32) Bromochloromethane	0.000		0	N.D.	
33) Cyclohexane	0.000		0	N.D.	
34) Chloroform	0.000		0	N.D.	
36) Carbon tetrachloride	0.000		0	N.D.	

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N11.D
Acq On : 23 Aug 2024 08:11 pm
Operator : VOA122:MAG
Sample : L2447503-06,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 20:26:54 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	5.269	43	121		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	7.730	92	260		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.575	91	75		N.D.	
80) p/m Xylene	9.764	106	408		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

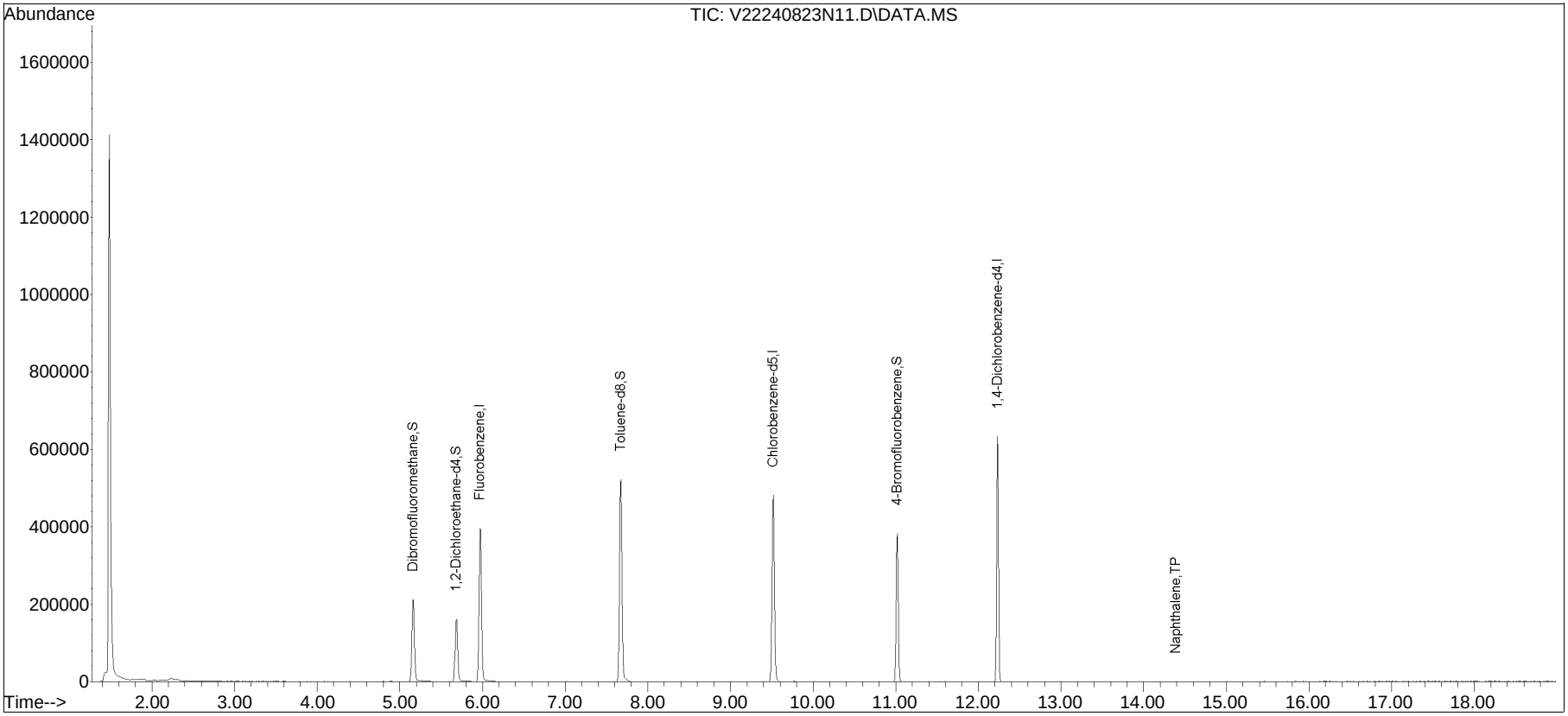
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N11.D
Acq On : 23 Aug 2024 08:11 pm
Operator : VOA122:MAG
Sample : L2447503-06,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 25 20:26:54 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N11.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 8:11 pm	Instrument	: VOA 122
Sample	: L2447503-06,31,10,10,,A	Quant Date	: 8/25/2024 8:17 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N12.D
Acq On : 23 Aug 2024 08:36 pm
Operator : VOA122:MAG
Sample : L2447503-07,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 20:27:07 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	392405	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.59%			
62) Chlorobenzene-d5	9.519	117	330163	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 92.54%			
83) 1,4-Dichlorobenzene-d4	12.230	152	169132	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 90.09%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	145195	10.590	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.90%			
46) 1,2-Dichloroethane-d4	5.689	65	121112	10.450	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.50%			
63) Toluene-d8	7.675	98	394497	9.378	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.78%			
87) 4-Bromofluorobenzene	11.020	95	132725	8.618	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.18%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	213	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.480	84	275	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.981	83	62	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N12.D
Acq On : 23 Aug 2024 08:36 pm
Operator : VOA122:MAG
Sample : L2447503-07,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 20:27:07 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	1,1,1-Trichloroethane	0.000		0		N.D.	
41)	2-Butanone	0.000		0		N.D.	
44)	Benzene	0.000		0		N.D.	
47)	1,2-Dichloroethane	0.000		0		N.D.	
50)	Methyl cyclohexane	0.000		0		N.D.	
51)	Trichloroethene	0.000		0		N.D.	
54)	1,2-Dichloropropane	0.000		0		N.D.	
57)	Bromodichloromethane	0.000		0		N.D.	
60)	1,4-Dioxane	0.000		0		N.D.	
61)	cis-1,3-Dichloropropene	0.000		0		N.D.	
64)	Toluene	0.000		0		N.D.	
65)	4-Methyl-2-pentanone	0.000		0		N.D.	
66)	Tetrachloroethene	8.175	166	364		N.D.	
68)	trans-1,3-Dichloropropene	0.000		0		N.D.	
71)	1,1,2-Trichloroethane	0.000		0		N.D.	
72)	Chlorodibromomethane	0.000		0		N.D.	
74)	1,2-Dibromoethane	0.000		0		N.D.	
76)	2-Hexanone	0.000		0		N.D.	
77)	Chlorobenzene	0.000		0		N.D.	
78)	Ethylbenzene	9.519	91	527		N.D.	
80)	p/m Xylene	0.000		0		N.D.	
81)	o Xylene	0.000		0		N.D.	
82)	Styrene	0.000		0		N.D.	
84)	Bromoform	0.000		0		N.D.	
86)	Isopropylbenzene	0.000		0		N.D.	
91)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

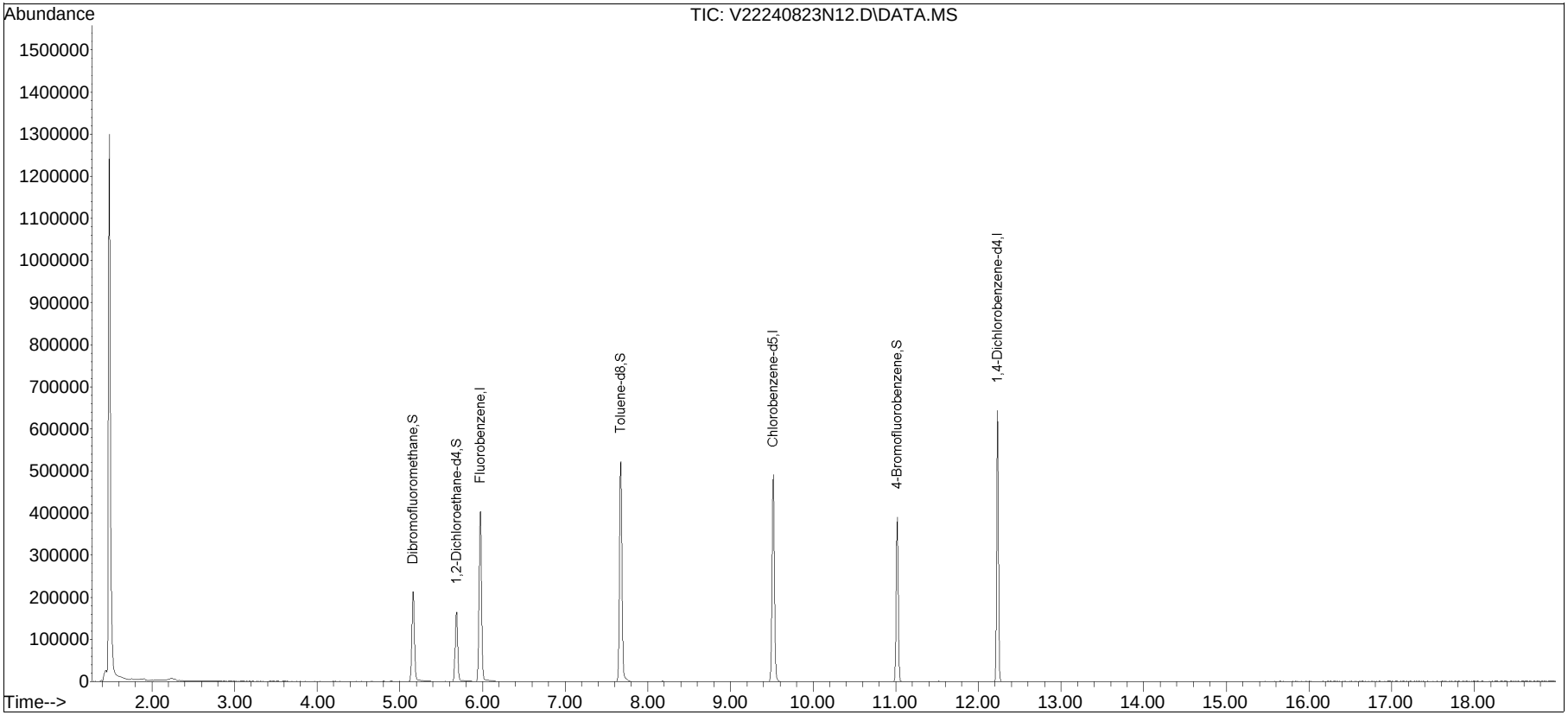
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N12.D
Acq On : 23 Aug 2024 08:36 pm
Operator : VOA122:MAG
Sample : L2447503-07,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 25 20:27:07 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N12.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 8:36 pm	Instrument	: VOA 122
Sample	: L2447503-07,31,10,10,,A	Quant Date	: 8/25/2024 8:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N13.D
Acq On : 23 Aug 2024 09:01 pm
Operator : VOA122:MAG
Sample : L2447503-08,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 20:27:30 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	390758	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.20%			
62) Chlorobenzene-d5	9.519	117	330579	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 92.66%			
83) 1,4-Dichlorobenzene-d4	12.229	152	167046	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 88.98%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	144503	10.584	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.84%			
46) 1,2-Dichloroethane-d4	5.688	65	122920	10.651	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.51%			
63) Toluene-d8	7.675	98	397047	9.427	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.27%			
87) 4-Bromofluorobenzene	11.019	95	132093	8.684	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.454	85	60	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	260	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.480	84	214	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.804	96	66	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N13.D
Acq On : 23 Aug 2024 09:01 pm
Operator : VOA122:MAG
Sample : L2447503-08,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 20:27:30 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39)	1,1,1-Trichloroethane	0.000		0		N.D.	
41)	2-Butanone	0.000		0		N.D.	
44)	Benzene	0.000		0		N.D.	
47)	1,2-Dichloroethane	0.000		0		N.D.	
50)	Methyl cyclohexane	0.000		0		N.D.	
51)	Trichloroethene	0.000		0		N.D.	
54)	1,2-Dichloropropane	0.000		0		N.D.	
57)	Bromodichloromethane	0.000		0		N.D.	
60)	1,4-Dioxane	0.000		0		N.D.	
61)	cis-1,3-Dichloropropene	0.000		0		N.D.	
64)	Toluene	0.000		0		N.D.	
65)	4-Methyl-2-pentanone	0.000		0		N.D.	
66)	Tetrachloroethene	0.000		0		N.D.	
68)	trans-1,3-Dichloropropene	0.000		0		N.D.	
71)	1,1,2-Trichloroethane	0.000		0		N.D.	
72)	Chlorodibromomethane	0.000		0		N.D.	
74)	1,2-Dibromoethane	0.000		0		N.D.	
76)	2-Hexanone	0.000		0		N.D.	
77)	Chlorobenzene	0.000		0		N.D.	
78)	Ethylbenzene	9.519	91	523		N.D.	
80)	p/m Xylene	0.000		0		N.D.	
81)	o Xylene	0.000		0		N.D.	
82)	Styrene	0.000		0		N.D.	
84)	Bromoform	0.000		0		N.D.	
86)	Isopropylbenzene	0.000		0		N.D.	
91)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104)	1,3-Dichlorobenzene	0.000		0		N.D.	
105)	1,4-Dichlorobenzene	0.000		0		N.D.	
108)	1,2-Dichlorobenzene	0.000		0		N.D.	
110)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
115)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

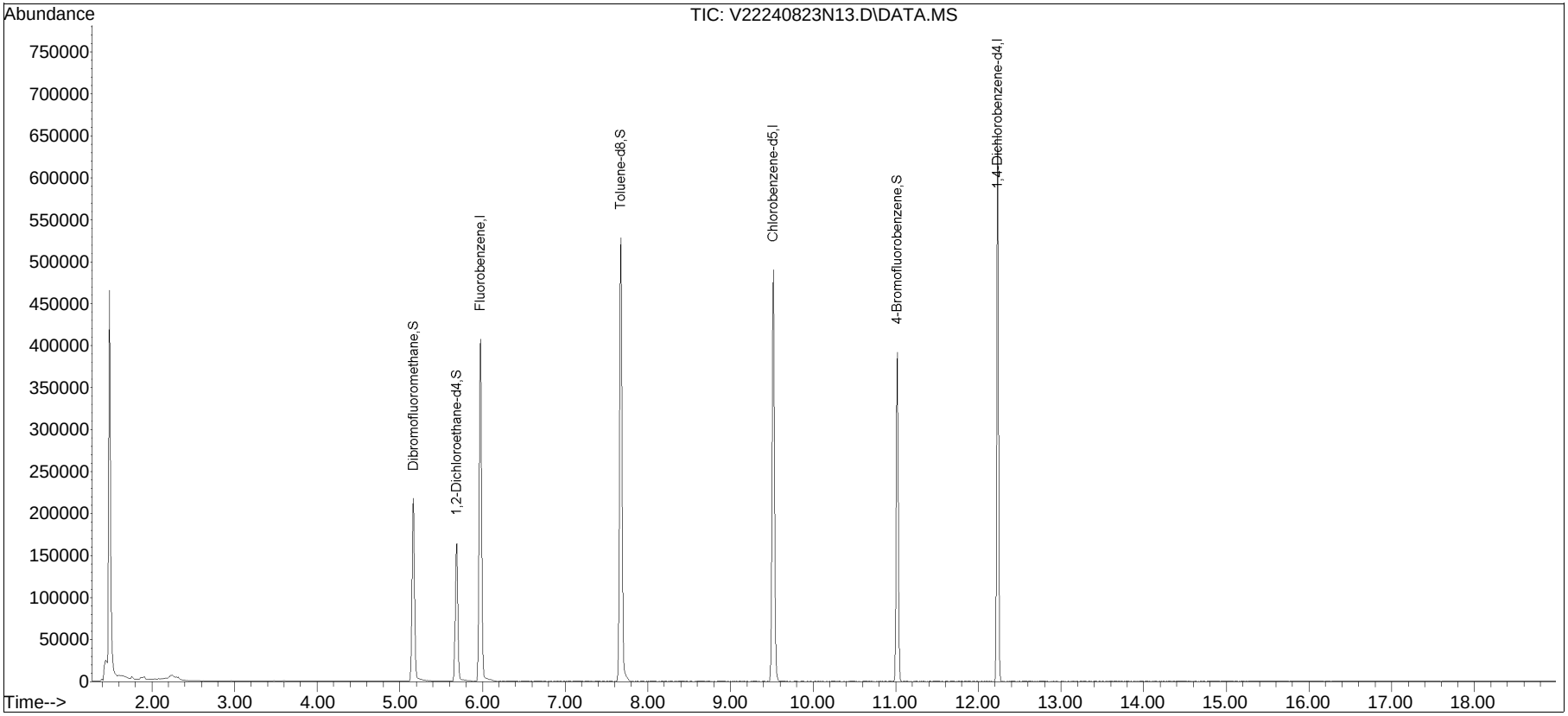
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N13.D
Acq On : 23 Aug 2024 09:01 pm
Operator : VOA122:MAG
Sample : L2447503-08,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 25 20:27:30 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N13.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 9:01 pm	Instrument	: VOA 122
Sample	: L2447503-08,31,10,10,,A	Quant Date	: 8/25/2024 8:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N14.D
Acq On : 23 Aug 2024 09:26 pm
Operator : VOA122:MAG
Sample : L2447503-09,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 20:18:12 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	390174	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 91.07%			
62) Chlorobenzene-d5	9.519	117	332267	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 93.13%			
83) 1,4-Dichlorobenzene-d4	12.236	152	168412	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 89.71%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	145287	10.657	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.57%			
46) 1,2-Dichloroethane-d4	5.688	65	123522	10.719	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.19%			
63) Toluene-d8	7.675	98	397867	9.398	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.98%			
87) 4-Bromofluorobenzene	11.019	95	134175	8.749	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.49%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.962	76	231	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.473	84	164	N.D.		
17) Acetone	3.526	43	68	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.526	43	68	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.797	96	60	N.D.		
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	4.981	83	283	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N14.D
Acq On : 23 Aug 2024 09:26 pm
Operator : VOA122:MAG
Sample : L2447503-09,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 20:18:12 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0		N.D.	
41) 2-Butanone	0.000		0		N.D.	
44) Benzene	0.000		0		N.D.	
47) 1,2-Dichloroethane	0.000		0		N.D.	
50) Methyl cyclohexane	0.000		0		N.D.	
51) Trichloroethene	0.000		0		N.D.	
54) 1,2-Dichloropropane	0.000		0		N.D.	
57) Bromodichloromethane	0.000		0		N.D.	
60) 1,4-Dioxane	0.000		0		N.D.	
61) cis-1,3-Dichloropropene	0.000		0		N.D.	
64) Toluene	0.000		0		N.D.	
65) 4-Methyl-2-pentanone	0.000		0		N.D.	
66) Tetrachloroethene	0.000		0		N.D.	
68) trans-1,3-Dichloropropene	0.000		0		N.D.	
71) 1,1,2-Trichloroethane	0.000		0		N.D.	
72) Chlorodibromomethane	0.000		0		N.D.	
74) 1,2-Dibromoethane	0.000		0		N.D.	
76) 2-Hexanone	0.000		0		N.D.	
77) Chlorobenzene	0.000		0		N.D.	
78) Ethylbenzene	9.519	91	551		N.D.	
80) p/m Xylene	0.000		0		N.D.	
81) o Xylene	0.000		0		N.D.	
82) Styrene	0.000		0		N.D.	
84) Bromoform	0.000		0		N.D.	
86) Isopropylbenzene	0.000		0		N.D.	
91) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
104) 1,3-Dichlorobenzene	0.000		0		N.D.	
105) 1,4-Dichlorobenzene	0.000		0		N.D.	
108) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

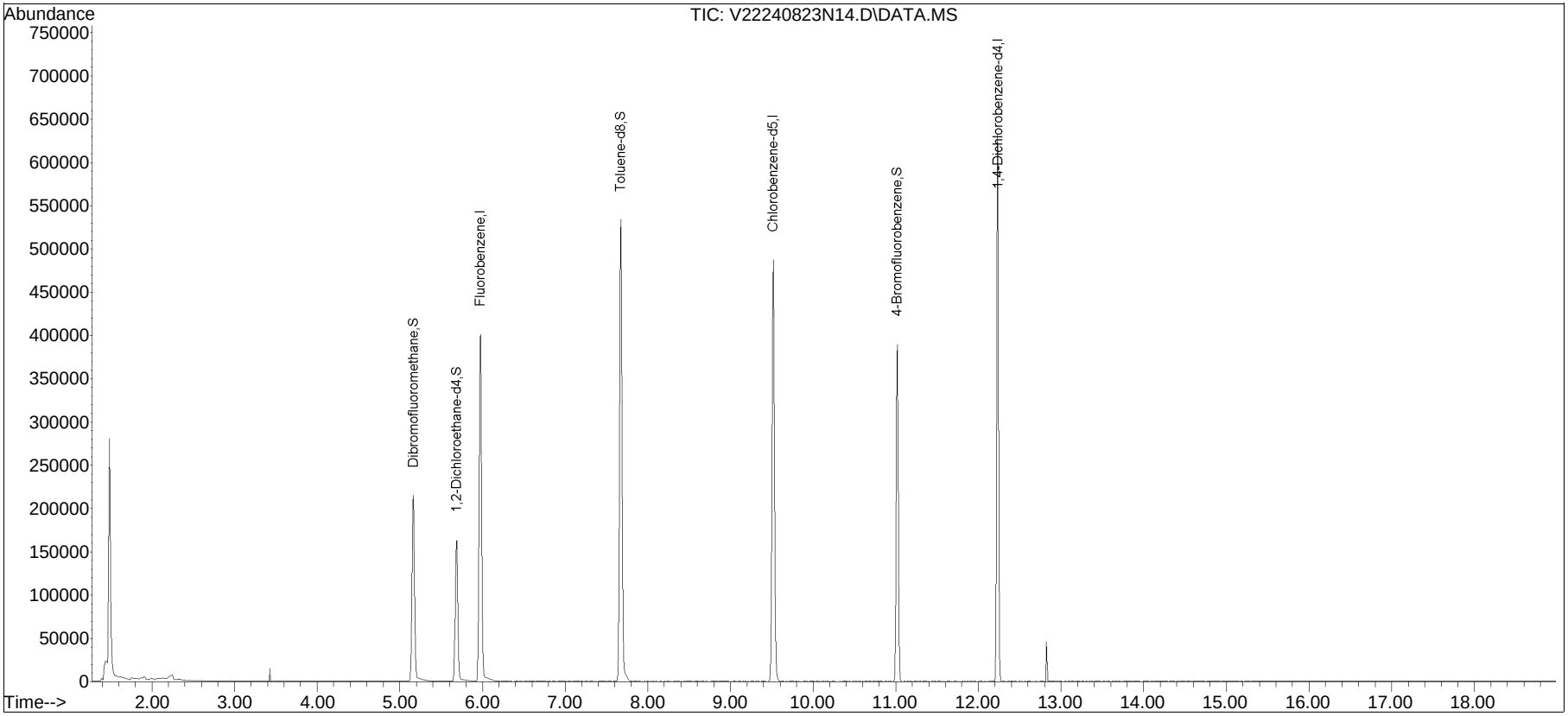
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N14.D
Acq On : 23 Aug 2024 09:26 pm
Operator : VOA122:MAG
Sample : L2447503-09,31,10,10,,A
Misc : WG1963652,ICAL21346
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 25 20:18:12 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N14.D	Operator	: VOA122:MAG
Date Inj'd	: 8/23/2024 9:26 pm	Instrument	: VOA 122
Sample	: L2447503-09,31,10,10,,A	Quant Date	: 8/25/2024 8:18 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21287**
Calibration dates	**: 07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.203	0.284	0.294	0.290	0.281	0.234	0.273	0.265	12.90
3)	TP	Chloromethane		0.237	0.243	0.227	0.229	0.227	0.190	0.236	0.227	7.62
4)	TP	Vinyl chloride	0.191	0.177	0.268	0.263	0.256	0.251	0.211	0.266	0.235	15.50
5)	TP	Bromomethane		0.089	0.117	0.124	0.130	0.151	0.136		0.125	16.72
6)	TP	Chloroethane		0.165	0.201	0.188	0.190	0.192	0.160	0.163	0.180	9.11
7)	TP	Trichlorofluor		0.246	0.359	0.340	0.382	0.375	0.318	0.394	0.345	14.74
8)	TP	Ethyl ether		0.107	0.125	0.114	0.114	0.117	0.100	0.124	0.115	7.96
10)	TP	1,1-Dichloroet		0.136	0.194	0.200	0.204	0.202	0.172	0.216	0.189	14.31
11)	TP	Carbon disulfide		0.447	0.585	0.573	0.562	0.581	0.503	0.644	0.556	11.38
12)	TP	Freon-113		0.150	0.220	0.215	0.226	0.224	0.188	0.228	0.208	13.82
13)	TP	Iodomethane			0.298	0.350	0.383	0.407	0.333	0.421	0.365	12.81
14)	TP	Acrolein		0.034	0.029	0.034	0.032	0.034	0.029	0.036	0.033	8.15
15)	TP	Methylene chlo		0.251	0.229	0.224	0.219	0.223	0.186	0.233	0.224	8.80
17)	TP	Acetone			0.075	0.048	0.051	0.050	0.042	0.052	*L	0.9901
18)	TP	trans-1,2-Dich		0.159	0.222	0.218	0.215	0.219	0.182	0.233	0.207	12.68
19)	TP	Methyl acetate			0.154	0.111	0.107	0.110	0.092	0.115	0.115	17.92
20)	TP	Methyl tert butyl ether		0.590	0.643	0.631	0.652	0.672	0.559	0.708	0.636	7.82
21)	TP	tert-Butyl alc		0.016	0.017	0.017	0.018	0.019	0.016	0.020	0.018	8.32
22)	TP	Diisopropyl ether		0.541	0.639	0.669	0.682	0.702	0.582	0.734	0.650	10.50
23)	TP	1,1-Dichloroet		0.306	0.400	0.395	0.386	0.395	0.331	0.410	0.375	10.68
24)	TP	Halothane		0.143	0.173	0.180	0.180	0.182	0.153	0.192	0.172	10.04
25)	TP	Acrylonitrile			0.052	0.058	0.059	0.063	0.053	0.067	0.058	10.02
26)	TP	Ethyl tert-but		0.551	0.632	0.643	0.664	0.687	0.570	0.728	0.639	9.79
27)	TP	Vinyl acetate		0.286	0.333	0.370	0.382	0.372	0.337	0.351	0.347	9.47
28)	TP	cis-1,2-Dichlo		0.198	0.259	0.245	0.246	0.248	0.208	0.263	0.238	10.52
29)	TP	2,2-Dichloropr		0.292	0.331	0.321	0.320	0.324	0.267	0.333	0.313	7.81
30)	TP	Bromochloromet		0.110	0.121	0.121	0.119	0.121	0.100	0.123	0.116	7.32
31)	TP	Cyclohexane		0.258	0.366	0.374	0.400	0.384	0.321	0.385	0.356	13.97
32)	TP	Chloroform		0.339	0.386	0.407	0.392	0.405	0.331	0.426	0.384	9.27
33)	TP	Ethyl acetate			0.167	0.162	0.175	0.179	0.150	0.186	0.170	7.75
34)	TP	Carbon tetrachloride	0.226	0.257	0.327	0.345	0.346	0.343	0.287	0.356	0.311	15.54
35)	TP	Tetrahydrofuran			0.061	0.059	0.056	0.055	0.046	0.057	0.056	9.03
36)	S	Dibromofluoromethane	0.266	0.264	0.262	0.260	0.260	0.258	0.259	0.263	0.261	1.02
37)	TP	1,1,1-Trichlor		0.286	0.360	0.374	0.377	0.377	0.314	0.390	0.354	10.89
39)	TP	2-Butanone			0.055	0.072	0.076	0.080	0.067	0.084	0.073	14.30

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21287**
Calibration dates	**: 07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.207	0.287	0.297	0.312	0.305	0.256	0.317	0.283	13.83
41) TP	Benzene	0.745	0.717	0.890	0.923	0.917	0.917	0.768	0.976	0.857	11.42
42) TP	Tertiary-Amyl Methyl Ether		0.544	0.559	0.586	0.605	0.621	0.519	0.662	0.585	8.39
43) S	1,2-Dichloroethane-d4	0.288	0.279	0.281	0.289	0.268	0.272	0.264	0.278	0.277	3.23
44) TP	1,2-Dichloroet		0.270	0.289	0.274	0.278	0.279	0.231	0.290	0.273	7.30
47) TP	Methyl cyclohe		0.234	0.330	0.364	0.384	0.364	0.301	0.353	0.333	15.41
48) TP	Trichloroethene	0.246	0.210	0.248	0.249	0.253	0.250	0.207	0.270	0.242	9.05
50) TP	Dibromomethane		0.135	0.140	0.139	0.136	0.137	0.114	0.144	0.135	7.28
51) TP	1,2-Dichloropr		0.171	0.219	0.220	0.219	0.221	0.183	0.231	0.209	10.76
53) TP	2-Chloroethyl		0.109	0.117	0.122	0.135	0.140	0.117	0.146	0.126	10.96
54) TP	Bromodichlorom		0.278	0.312	0.313	0.314	0.321	0.264	0.334	0.305	8.10
57) TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	3.92
58) TP	cis-1,3-Dichlo		0.308	0.338	0.350	0.350	0.359	0.301	0.383	0.341	8.39
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.258	1.266	1.270	1.267	1.248	1.246	1.258	1.232	1.255	1.03
61) TP	Toluene		0.628	0.724	0.733	0.716	0.720	0.606	0.738	0.695	7.82
62) TP	4-Methyl-2-pen		0.061	0.077	0.079	0.081	0.083	0.070	0.086	0.077	11.14
63) TP	Tetrachloroethene		0.238	0.323	0.326	0.324	0.321	0.274	0.329	0.305	11.51
65) TP	trans-1,3-Dich		0.347	0.369	0.394	0.389	0.403	0.341	0.421	0.380	7.79
67) TP	Ethyl methacry		0.299	0.305	0.320	0.331	0.340	0.287	0.358	0.320	7.77
68) TP	1,1,2-Trichlor		0.191	0.188	0.193	0.193	0.198	0.166	0.207	0.191#	6.61
69) TP	Chlorodibromom		0.263	0.303	0.312	0.311	0.320	0.270	0.331	0.302	8.47
70) TP	1,3-Dichloropr		0.367	0.389	0.397	0.386	0.392	0.327	0.403	0.380	6.83
71) TP	1,2-Dibromoethane		0.241	0.246	0.245	0.242	0.250	0.211	0.257	0.242	6.11
72) TP	2-Hexanone		0.159	0.134	0.135	0.148	0.145	0.123	0.151	0.142	8.54
73) TP	Chlorobenzene		0.704	0.802	0.813	0.790	0.801	0.673	0.839	0.775	7.92
74) TP	Ethylbenzene		1.116	1.365	1.404	1.372	1.389	1.178	1.465	1.327	9.70
75) TP	1,1,1,2-Tetrac		0.230	0.294	0.301	0.303	0.310	0.258	0.321	0.288	11.16
76) TP	p/m Xylene		0.438	0.518	0.557	0.544	0.554	0.468	0.593	0.525	10.39
77) TP	o Xylene		0.426	0.524	0.538	0.525	0.530	0.446	0.567	0.508	10.15
78) TP	Styrene		0.686	0.836	0.902	0.891	0.920	0.779	1.014	0.861	12.32
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.330	0.332	0.345	0.368	0.372	0.325	0.408	0.354	8.43
82) TP	Isopropylbenzene		1.696	2.246	2.377	2.403	2.343	2.056	2.540	2.237	12.60
83) S	4-Bromofluorobenzene	0.840	0.858	0.860	0.809	0.839	0.814	0.843	0.820	0.835	2.31
84) TP	Bromobenzene		0.578	0.641	0.639	0.638	0.629	0.541	0.664	0.619	6.94

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: GONZO**	**Ical Ref**	**: ICAL21287**
Calibration dates	**: 07/12/24 21:20 07/13/24 00:56**		

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.100	2.663	2.727	2.750	2.704	2.365	2.933	2.606	10.73
86) TP	1,4-Dichlorobu		0.723	0.770	0.719	0.709	0.709	0.618	0.776	0.718	7.24
87) TP	1,1,2,2-Tetrac		0.515	0.495	0.493	0.507	0.497	0.443	0.530	0.497	5.44
88) TP	4-Ethyltoluene		1.755	2.192	2.303	2.301	2.260	1.982	2.456	2.179	10.80
89) TP	2-Chlorotoluene		1.433	1.674	1.648	1.628	1.612	1.414	1.779	1.598	8.22
90) TP	1,3,5-Trimethy		1.589	1.978	2.035	2.015	1.977	1.723	2.181	1.929	10.48
91) TP	1,2,3-Trichlor		0.421	0.448	0.417	0.408	0.407	0.357	0.452	0.416	7.60
92) TP	trans-1,4-Dich		0.098	0.090	0.103	0.115	0.127	0.115	0.149	0.114	17.34
93) TP	4-Chlorotoluene		1.409	1.669	1.738	1.694	1.690	1.470	1.847	1.645	9.31
94) TP	tert-Butylbenzene		1.193	1.577	1.675	1.680	1.631	1.411	1.743	1.559	12.38
97) TP	1,2,4-Trimethy		1.561	1.932	2.022	1.989	1.960	1.715	2.121	1.900	10.20
98) TP	sec-Butylbenzene		1.744	2.245	2.376	2.373	2.310	2.014	2.458	2.217	11.38
99) TP	p-Isopropyltol		1.451	1.944	2.048	2.063	2.024	1.761	2.183	1.925	12.77
100) TP	1,3-Dichlorobe		1.005	1.162	1.195	1.185	1.157	1.006	1.245	1.136	8.27
101) TP	1,4-Dichlorobe		1.065	1.241	1.216	1.201	1.179	1.026	1.266	1.170	7.75
102) TP	p-Diethylbenzene		0.812	1.117	1.183	1.187	1.167	1.010	1.264	1.106	13.67
103) TP	n-Butylbenzene		1.116	1.529	1.621	1.628	1.599	1.409	1.752	1.522	13.62
104) TP	1,2-Dichlorobe		0.974	1.109	1.132	1.129	1.108	0.955	1.181	1.084	7.87
105) TP	1,2,4,5-Tetram		1.330	1.611	1.676	1.726	1.759	1.528	1.955	1.655	11.84
106) TP	1,2-Dibromo-3-		0.092	0.087	0.087	0.096	0.095	0.085	0.105	0.092	7.58
107) TP	1,3,5-Trichlor		0.606	0.711	0.737	0.758	0.750	0.652	0.781	0.713	8.82
108) TP	Hexachlorobuta		0.149	0.190	0.199	0.217	0.218	0.192	0.234	0.200	13.72
109) TP	1,2,4-Trichlor		0.533	0.582	0.619	0.666	0.668	0.576	0.682	0.618	9.16
110) TP	Naphthalene		1.390	1.296	1.316	1.427	1.441	1.281	1.558	1.387	7.11
111) TP	1,2,3-Trichlor		0.469	0.501	0.514	0.539	0.546	0.477	0.550	0.514	6.42

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21346**
Calibration dates	**: 07/29/24 13:23 07/29/24 17:04**		

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo			0.147	0.215	0.223	0.209	0.195	0.195	0.197	13.62
3)	TP	Chloromethane		0.252	0.295	0.303	0.277	0.253	0.239	0.225	0.263	10.94
4)	TP	Vinyl chloride	0.202	0.176	0.199	0.232	0.231	0.217	0.206	0.203	0.208	8.84
5)	TP	Bromomethane		0.070	0.076	0.075	0.079	0.088	0.095	0.102	0.084	14.11
6)	TP	Chloroethane		0.118	0.132	0.133	0.126	0.117	0.110	0.108	0.120	8.39
7)	TP	Trichlorofluor		0.144	0.179	0.257	0.263	0.252	0.238	0.239	*L	0.9987
8)	TP	Ethyl ether		0.067	0.069	0.073	0.070	0.071	0.070	0.068	0.070	2.76
10)	TP	1,1-Dichloroet		0.110	0.126	0.152	0.154	0.146	0.139	0.139	0.138	11.23
11)	TP	Carbon disulfide		0.404	0.455	0.510	0.491	0.451	0.438	0.433	0.454	7.85
12)	TP	Freon-113			0.097	0.154	0.159	0.150	0.147	0.151	0.143	16.09
13)	TP	Iodomethane			0.122	0.172	0.190	0.199	0.203	0.204	0.182	17.53
14)	TP	Acrolein		0.018	0.024	0.025	0.025	0.025	0.025	0.024	0.024	11.30
15)	TP	Methylene chlo		0.237	0.204	0.191	0.173	0.164	0.159	0.156	0.183	16.00
17)	TP	Acetone			0.040	0.035	0.033	0.032	0.031	0.030	0.033	10.98
18)	TP	trans-1,2-Dich		0.148	0.169	0.177	0.166	0.160	0.157	0.155	0.162	5.98
19)	TP	Methyl acetate		0.103	0.089	0.085	0.084	0.083	0.081	0.077	0.086	9.89
21)	TP	Methyl tert butyl ether		0.254	0.268	0.317	0.328	0.328	0.339	0.333	0.309	11.02
22)	TP	tert-Butyl alc		0.004	0.006	0.007	0.007	0.007	0.007	0.007	0.006#	15.62
24)	TP	Diisopropyl ether		0.493	0.543	0.594	0.622	0.617	0.616	0.586	0.581	8.17
25)	TP	1,1-Dichloroet		0.311	0.358	0.365	0.340	0.319	0.315	0.306	0.331	7.23
26)	TP	Halothane		0.096	0.110	0.132	0.127	0.127	0.126	0.126	0.121	10.56
27)	TP	Acrylonitrile		0.045	0.044	0.049	0.048	0.046	0.045	0.043	0.046	4.17
28)	TP	Ethyl tert-but		0.324	0.354	0.413	0.457	0.456	0.468	0.453	0.418	13.74
29)	TP	Vinyl acetate		0.273	0.289	0.353	0.379	0.386	0.385	0.367	0.348	13.51
30)	TP	cis-1,2-Dichlo		0.168	0.196	0.197	0.183	0.172	0.172	0.168	0.179#	6.96
31)	TP	2,2-Dichloropr		0.174	0.196	0.224	0.220	0.211	0.211	0.212	0.207	8.20
32)	TP	Bromochloromet		0.084	0.092	0.093	0.084	0.081	0.080	0.078	0.085#	6.73
33)	TP	Cyclohexane			0.183	0.351	0.378	0.354	0.352	0.353	*L	0.9993
34)	TP	Chloroform		0.283	0.310	0.303	0.286	0.274	0.278	0.268	0.286#	5.37
35)	TP	Ethyl acetate			0.096	0.111	0.116	0.118	0.118	0.114	0.112	7.47
36)	TP	Carbon tetrachloride	0.179	0.145	0.171	0.233	0.236	0.228	0.228	0.231	0.206	17.40
37)	TP	Tetrahydrofuran			0.035	0.038	0.038	0.037	0.037	0.036	0.037	3.72
38)	S	Dibromofluoromethane	0.356	0.382	0.381	0.359	0.339	0.326	0.329	0.324	0.349	6.78
39)	TP	1,1,1-Trichlor		0.184	0.221	0.263	0.260	0.255	0.254	0.252	0.241	11.85
41)	TP	2-Butanone			0.042	0.044	0.049	0.050	0.049	0.047	0.047	6.75

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21346**
Calibration dates	**: 07/29/24 13:23 07/29/24 17:04**		

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
42) TP	1,1-Dichloropr		0.128	0.160	0.214	0.222	0.214	0.213	0.213	0.195	18.52
44) TP	Benzene	0.577	0.517	0.672	0.656	0.692	0.662	0.658	0.633	0.633	9.17
45) TP	Tertiary-Amyl Methyl Ether		0.172	0.171	0.190	0.208	0.218	0.230	0.228	0.202	12.43
46) S	1,2-Dichloroethane-d4	0.286	0.306	0.301	0.305	0.293	0.289	0.294	0.289	0.295	2.57
47) T	1,2-Dichloroet		0.154	0.165	0.170	0.162	0.154	0.154	0.149	0.158	4.65
50) TP	Methyl cyclohe			0.094	0.200	0.226	0.224	0.233	0.238	*L	0.9996
51) TP	Trichloroethene	0.133	0.113	0.124	0.143	0.143	0.140	0.141	0.141	0.135#	8.23
53) TP	Dibromomethane		0.065	0.068	0.071	0.070	0.068	0.069	0.067	0.068	2.99
54) TP	1,2-Dichloropr		0.115	0.131	0.154	0.152	0.147	0.147	0.143	0.141#	9.64
56) TP	2-Chloroethyl		0.039	0.041	0.053	0.059	0.063	0.063	0.061	0.054	18.80
57) TP	Bromodichlorom		0.138	0.157	0.175	0.176	0.174	0.176	0.173	0.167#	8.74
60) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.34
61) TP	cis-1,3-Dichloropropene	0.121	0.126	0.149	0.186	0.197	0.199	0.201	0.197	0.172#	19.89
62) I	Chlorobenzene-d5	----------ISTD----------									
63) S	Toluene-d8	1.265	1.258	1.267	1.262	1.281	1.288	1.295	1.276	1.274	1.03
64) TP	Toluene		0.347	0.400	0.427	0.437	0.427	0.429	0.416	0.412	7.55
65) TP	4-Methyl-2-pen			0.023	0.028	0.034	0.037	0.038	0.037	0.033	18.50
66) TP	Tetrachloroethene		0.107	0.132	0.169	0.181	0.179	0.181	0.181	0.162	18.41
68) TP	trans-1,3-Dichloropropene		0.112	0.139	0.175	0.208	0.214	0.217	0.212	*L	0.9992
70) TP	Ethyl methacry			0.090	0.124	0.141	0.147	0.149	0.144	0.133	17.01
71) TP	1,1,2-Trichlor		0.072	0.079	0.094	0.102	0.111	0.111	0.108	0.097#	16.46
72) TP	Chlorodibromom		0.089	0.117	0.139	0.157	0.162	0.164	0.161	*L	0.9995
73) TP	1,3-Dichloropr		0.151	0.163	0.188	0.207	0.208	0.208	0.200	0.190	12.35
74) TP	1,2-Dibromoethane		0.077	0.089	0.107	0.119	0.123	0.123	0.120	0.108#	16.86
76) TP	2-Hexanone			0.045	0.055	0.064	0.069	0.069	0.066	0.061	15.23
77) TP	Chlorobenzene		0.417	0.478	0.486	0.486	0.471	0.470	0.458	0.467	5.15
78) TP	Ethylbenzene		0.611	0.710	0.850	0.854	0.821	0.817	0.780	0.778	11.36
79) TP	1,1,1,2-Tetrac		0.107	0.127	0.144	0.161	0.166	0.168	0.166	0.148	15.82
80) TP	p/m Xylene		0.220	0.271	0.332	0.334	0.323	0.322	0.310	0.302	13.84
81) TP	o Xylene		0.200	0.259	0.313	0.315	0.308	0.308	0.296	0.285	14.79
82) TP	Styrene		0.304	0.416	0.503	0.521	0.507	0.499	0.464	0.459	16.79
83) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84) TP	Bromoform		0.110	0.118	0.137	0.162	0.172	0.176	0.179	0.150	19.06
86) TP	Isopropylbenzene		1.046	1.323	1.726	1.771	1.679	1.676	1.637	1.551	17.18
87) S	4-Bromofluorobenzene	0.911	0.911	0.900	0.932	0.924	0.900	0.900	0.908	0.911	1.31
88) TP	Bromobenzene		0.335	0.355	0.374	0.380	0.370	0.371	0.370	0.365	4.18

Initial Calibration Summary
Form 6
Volatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: VOA122**	**Ical Ref**	**: ICAL21346**
Calibration dates	**: 07/29/24 13:23 07/29/24 17:04**		

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
89) TP	n-Propylbenzene		1.282	1.530	1.993	2.048	1.948	1.952	1.864	1.802	15.83
90) TP	1,4-Dichlorobu		0.423	0.442	0.474	0.497	0.492	0.489	0.483	0.472	5.94
91) TP	1,1,2,2-Tetrac		0.237	0.231	0.246	0.267	0.266	0.266	0.263	0.254	6.06
92) TP	4-Ethyltoluene		1.049	1.261	1.602	1.644	1.579	1.593	1.555	1.469	15.29
93) TP	2-Chlorotoluene		0.883	1.048	1.156	1.157	1.108	1.131	1.117	1.086	8.88
94) TP	1,3,5-Trimethy		0.876	1.095	1.350	1.365	1.327	1.358	1.343	1.245	15.14
95) TP	1,2,3-Trichlor		0.162	0.186	0.191	0.205	0.202	0.204	0.205	0.194	8.07
96) TP	trans-1,4-Dich		0.063	0.078	0.083	0.094	0.095	0.096	0.095	0.086	14.50
97) TP	4-Chlorotoluene		0.906	1.071	1.192	1.204	1.158	1.166	1.146	1.121	9.26
98) TP	tert-Butylbenzene		0.714	0.853	1.187	1.236	1.189	1.202	1.183	1.081	19.23
101) TP	1,2,4-Trimethy		0.970	1.245	1.527	1.538	1.479	1.505	1.471	1.391	15.13
102) TP	sec-Butylbenzene		0.953	1.168	1.721	1.779	1.693	1.711	1.646	*L	0.9992
103) TP	p-Isopropyltol		0.760	0.980	1.439	1.476	1.423	1.444	1.406	*L	0.9995
104) TP	1,3-Dichlorobe		0.643	0.722	0.760	0.757	0.734	0.732	0.718	0.724	5.42
105) TP	1,4-Dichlorobe		0.681	0.712	0.743	0.738	0.714	0.722	0.712	0.718	2.86
106) TP	p-Diethylbenzene			0.566	0.809	0.846	0.825	0.842	0.840	0.788	13.93
107) TP	n-Butylbenzene		0.629	0.830	1.214	1.226	1.171	1.197	1.177	*L	0.9996
108) TP	1,2-Dichlorobe		0.568	0.628	0.667	0.670	0.653	0.655	0.639	0.640	5.50
109) TP	1,2,4,5-Tetram			0.737	1.085	1.193	1.167	1.175	1.128	1.081	16.00
110) TP	1,2-Dibromo-3-		0.007	0.027	0.033	0.037	0.040	0.040	0.040	*L	0.9993
111) TP	1,3,5-Trichlor		0.347	0.382	0.443	0.449	0.433	0.439	0.427	0.417	9.11
112) TP	Hexachlorobuta		0.091	0.104	0.150	0.152	0.147	0.155	0.160	*L	0.9989
113) TP	1,2,4-Trichlor		0.285	0.311	0.368	0.385	0.380	0.381	0.374	0.355#	11.26
114) TP	Naphthalene		0.486	0.583	0.770	0.883	0.870	0.861	0.815	*L	0.9987
115) TP	1,2,3-Trichlor		0.237	0.280	0.315	0.328	0.320	0.320	0.310	0.301#	10.69

Response Factor Report Gonzo

Method Path : K:\Gonzo\2024\240712PICAL\
Method File : G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	----------	ISTD	----------	----------	----------	----------	----------		
2)	TP	Dichlorodifluo...		0.203	0.284	0.294	0.290	0.281	0.234	0.273	0.265	12.90
3)	TP	Chloromethane		0.237	0.243	0.227	0.229	0.227	0.190	0.236	0.227	7.62
4)	TP	Vinyl chloride	0.191	0.177	0.268	0.263	0.256	0.251	0.211	0.266	0.235	15.50
5)	TP	Bromomethane		0.089	0.117	0.124	0.130	0.151	0.136		0.125	16.72
6)	TP	Chloroethane		0.165	0.201	0.188	0.190	0.192	0.160	0.163	0.180	9.11
7)	TP	Trichlorofluor...		0.246	0.359	0.340	0.382	0.375	0.318	0.394	0.345	14.74
8)	TP	Ethyl ether		0.107	0.125	0.114	0.114	0.117	0.100	0.124	0.115	7.96
10)	TP	1,1-Dichloroet...		0.136	0.194	0.200	0.204	0.202	0.172	0.216	0.189	14.31
11)	TP	Carbon disulfide		0.447	0.585	0.573	0.562	0.581	0.503	0.644	0.556	11.38
12)	TP	Freon-113		0.150	0.220	0.215	0.226	0.224	0.188	0.228	0.208	13.82
13)	TP	Iodomethane			0.298	0.350	0.383	0.407	0.333	0.421	0.365	12.81
14)	TP	Acrolein		0.034	0.029	0.034	0.032	0.034	0.029	0.036	0.033	8.15
15)	TP	Methylene chlo...		0.251	0.229	0.224	0.219	0.223	0.186	0.233	0.224	8.80
17)	TP	Acetone			0.075	0.048	0.051	0.050	0.042	0.052	*L	0.9901
18)	TP	trans-1,2-Dich...		0.159	0.222	0.218	0.215	0.219	0.182	0.233	0.207	12.68
19)	TP	Methyl acetate			0.154	0.111	0.107	0.110	0.092	0.115	0.115	17.92
20)	TP	Methyl tert-bu...		0.590	0.643	0.631	0.652	0.672	0.559	0.708	0.636	7.82
21)	TP	tert-Butyl alc...		0.016	0.017	0.017	0.018	0.019	0.016	0.020	0.018	8.32
22)	TP	Diisopropyl ether		0.541	0.639	0.669	0.682	0.702	0.582	0.734	0.650	10.50
23)	TP	1,1-Dichloroet...		0.306	0.400	0.395	0.386	0.395	0.331	0.410	0.375	10.68
24)	TP	Halothane		0.143	0.173	0.180	0.180	0.182	0.153	0.192	0.172	10.04
25)	TP	Acrylonitrile			0.052	0.058	0.059	0.063	0.053	0.067	0.058	10.02
26)	TP	Ethyl tert-but...		0.551	0.632	0.643	0.664	0.687	0.570	0.728	0.639	9.79
27)	TP	Vinyl acetate		0.286	0.333	0.370	0.382	0.372	0.337	0.351	0.347	9.47
28)	TP	cis-1,2-Dichlo...		0.198	0.259	0.245	0.246	0.248	0.208	0.263	0.238	10.52
29)	TP	2,2-Dichloropr...		0.292	0.331	0.321	0.320	0.324	0.267	0.333	0.313	7.81
30)	TP	Bromochloromet...		0.110	0.121	0.121	0.119	0.121	0.100	0.123	0.116	7.32
31)	TP	Cyclohexane		0.258	0.366	0.374	0.400	0.384	0.321	0.385	0.356	13.97
32)	TP	Chloroform		0.339	0.386	0.407	0.392	0.405	0.331	0.426	0.384	9.27
33)	TP	Ethyl acetate			0.167	0.162	0.175	0.179	0.150	0.186	0.170	7.75

Method Path : K:\Gonzo\2024\240712PICAL\
Method File : G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.226	0.257	0.327	0.345	0.346	0.343	0.287	0.356	0.311	15.54
35)	TP	Tetrahydrofuran		0.061	0.059	0.056	0.055	0.046	0.057	0.056		9.03
36)	S	Dibromofluorom...	0.266	0.264	0.262	0.260	0.260	0.258	0.259	0.263	0.261	1.02
37)	TP	1,1,1-Trichlor...		0.286	0.360	0.374	0.377	0.377	0.314	0.390	0.354	10.89
39)	TP	2-Butanone			0.055	0.072	0.076	0.080	0.067	0.084	0.073	14.30
40)	TP	1,1-Dichloropr...		0.207	0.287	0.297	0.312	0.305	0.256	0.317	0.283	13.83
41)	TP	Benzene	0.745	0.717	0.890	0.923	0.917	0.917	0.768	0.976	0.857	11.42
42)	TP	tert-Amyl meth...		0.544	0.559	0.586	0.605	0.621	0.519	0.662	0.585	8.39
43)	S	1,2-Dichloroet...	0.288	0.279	0.281	0.289	0.268	0.272	0.264	0.278	0.277	3.23
44)	TP	1,2-Dichloroet...		0.270	0.289	0.274	0.278	0.279	0.231	0.290	0.273	7.30
47)	TP	Methyl cyclohe...		0.234	0.330	0.364	0.384	0.364	0.301	0.353	0.333	15.41
48)	TP	Trichloroethene	0.246	0.210	0.248	0.249	0.253	0.250	0.207	0.270	0.242	9.05
50)	TP	Dibromomethane		0.135	0.140	0.139	0.136	0.137	0.114	0.144	0.135	7.28
51)	TP	1,2-Dichloropr...		0.171	0.219	0.220	0.219	0.221	0.183	0.231	0.209	10.76
53)	TP	2-Chloroethyl ...		0.109	0.117	0.122	0.135	0.140	0.117	0.146	0.126	10.96
54)	TP	Bromodichlorom...		0.278	0.312	0.313	0.314	0.321	0.264	0.334	0.305	8.10
57)	TP	1,4-Dioxane		0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	3.92
58)	TP	cis-1,3-Dichlo...		0.308	0.338	0.350	0.350	0.359	0.301	0.383	0.341	8.39
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.258	1.266	1.270	1.267	1.248	1.246	1.258	1.232	1.255	1.03
61)	TP	Toluene		0.628	0.724	0.733	0.716	0.720	0.606	0.738	0.695	7.82
62)	TP	4-Methyl-2-pen...		0.061	0.077	0.079	0.081	0.083	0.070	0.086	0.077	11.14
63)	TP	Tetrachloroethene		0.238	0.323	0.326	0.324	0.321	0.274	0.329	0.305	11.51
65)	TP	trans-1,3-Dich...		0.347	0.369	0.394	0.389	0.403	0.341	0.421	0.380	7.79
67)	TP	Ethyl methacry...		0.299	0.305	0.320	0.331	0.340	0.287	0.358	0.320	7.77
68)	TP	1,1,2-Trichlor...		0.191	0.188	0.193	0.193	0.198	0.166	0.207	0.191#	6.61
69)	TP	Chlorodibromom...		0.263	0.303	0.312	0.311	0.320	0.270	0.331	0.302	8.47
70)	TP	1,3-Dichloropr...		0.367	0.389	0.397	0.386	0.392	0.327	0.403	0.380	6.83
71)	TP	1,2-Dibromoethane		0.241	0.246	0.245	0.242	0.250	0.211	0.257	0.242	6.11
72)	TP	2-Hexanone		0.159	0.134	0.135	0.148	0.145	0.123	0.151	0.142	8.54
73)	TP	Chlorobenzene		0.704	0.802	0.813	0.790	0.801	0.673	0.839	0.775	7.92

Method Path : K:\Gonzo\2024\240712PICAL\
Method File : G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP	Ethylbenzene		1.116	1.365	1.404	1.372	1.389	1.178	1.465	1.327	9.70
75)	TP	1,1,1,2-Tetrac...		0.230	0.294	0.301	0.303	0.310	0.258	0.321	0.288	11.16
76)	TP	p/m Xylene		0.438	0.518	0.557	0.544	0.554	0.468	0.593	0.525	10.39
77)	TP	o Xylene		0.426	0.524	0.538	0.525	0.530	0.446	0.567	0.508	10.15
78)	TP	Styrene		0.686	0.836	0.902	0.891	0.920	0.779	1.014	0.861	12.32
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80)	TP	Bromoform		0.330	0.332	0.345	0.368	0.372	0.325	0.408	0.354	8.43
82)	TP	Isopropylbenzene		1.696	2.246	2.377	2.403	2.343	2.056	2.540	2.237	12.60
83)	S	4-Bromofluorob...	0.840	0.858	0.860	0.809	0.839	0.814	0.843	0.820	0.835	2.31
84)	TP	Bromobenzene		0.578	0.641	0.639	0.638	0.629	0.541	0.664	0.619	6.94
85)	TP	n-Propylbenzene		2.100	2.663	2.727	2.750	2.704	2.365	2.933	2.606	10.73
86)	TP	1,4-Dichlorobu...		0.723	0.770	0.719	0.709	0.709	0.618	0.776	0.718	7.24
87)	TP	1,1,2,2-Tetrac...		0.515	0.495	0.493	0.507	0.497	0.443	0.530	0.497	5.44
88)	TP	4-Ethyltoluene		1.755	2.192	2.303	2.301	2.260	1.982	2.456	2.179	10.80
89)	TP	2-Chlorotoluene		1.433	1.674	1.648	1.628	1.612	1.414	1.779	1.598	8.22
90)	TP	1,3,5-Trimethy...		1.589	1.978	2.035	2.015	1.977	1.723	2.181	1.929	10.48
91)	TP	1,2,3-Trichlor...		0.421	0.448	0.417	0.408	0.407	0.357	0.452	0.416	7.60
92)	TP	trans-1,4-Dich...		0.098	0.090	0.103	0.115	0.127	0.115	0.149	0.114	17.34
93)	TP	4-Chlorotoluene		1.409	1.669	1.738	1.694	1.690	1.470	1.847	1.645	9.31
94)	TP	tert-Butylbenzene		1.193	1.577	1.675	1.680	1.631	1.411	1.743	1.559	12.38
97)	TP	1,2,4-Trimethy...		1.561	1.932	2.022	1.989	1.960	1.715	2.121	1.900	10.20
98)	TP	sec-Butylbenzene		1.744	2.245	2.376	2.373	2.310	2.014	2.458	2.217	11.38
99)	TP	p-Isopropyltol...		1.451	1.944	2.048	2.063	2.024	1.761	2.183	1.925	12.77
100)	TP	1,3-Dichlorobe...		1.005	1.162	1.195	1.185	1.157	1.006	1.245	1.136	8.27
101)	TP	1,4-Dichlorobe...		1.065	1.241	1.216	1.201	1.179	1.026	1.266	1.170	7.75
102)	TP	p-Diethylbenzene		0.812	1.117	1.183	1.187	1.167	1.010	1.264	1.106	13.67
103)	TP	n-Butylbenzene		1.116	1.529	1.621	1.628	1.599	1.409	1.752	1.522	13.62
104)	TP	1,2-Dichlorobe...		0.974	1.109	1.132	1.129	1.108	0.955	1.181	1.084	7.87
105)	TP	1,2,4,5-Tetram...		1.330	1.611	1.676	1.726	1.759	1.528	1.955	1.655	11.84
106)	TP	1,2-Dibromo-3-...		0.092	0.087	0.087	0.096	0.095	0.085	0.105	0.092	7.58
107)	TP	1,3,5-Trichlor...		0.606	0.711	0.737	0.758	0.750	0.652	0.781	0.713	8.82

Method Path : K:\Gonzo\2024\240712PICAL\
Method File : G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024
Response Via : Initial Calibration

Calibration Files
L11 =VG240712P03.D L1 =VG240712P06.D L2 =VG240712P07.D L3 =VG240712P08.D L4 =VG240712P09.D
L6 =VG240712P10.D L8 =VG240712P11.D L10 =VG240712P12.D

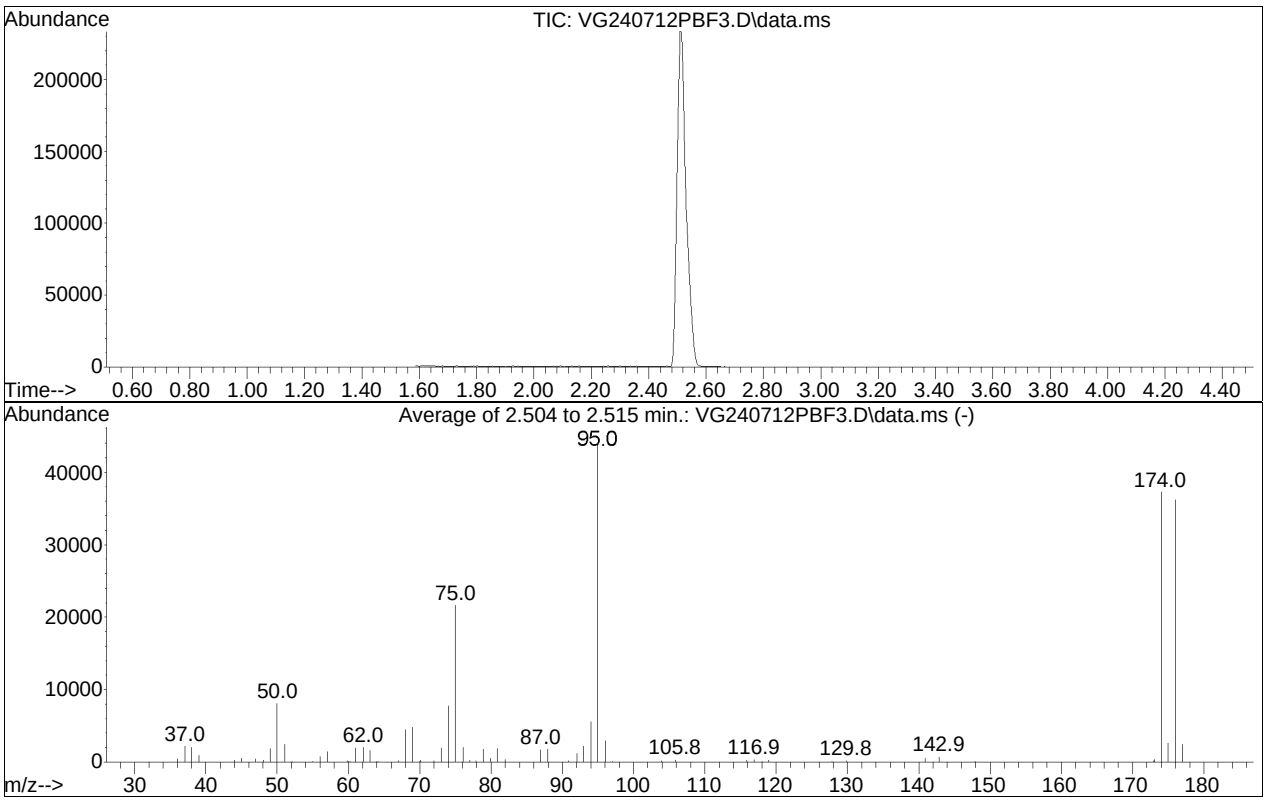
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.149	0.190	0.199	0.217	0.218	0.192	0.234	0.200	13.72	
109)	TP 1,2,4-Trichlor...	0.533	0.582	0.619	0.666	0.668	0.576	0.682	0.618	9.16	
110)	TP Naphthalene	1.390	1.296	1.316	1.427	1.441	1.281	1.558	1.387	7.11	
111)	TP 1,2,3-Trichlor...	0.469	0.501	0.514	0.539	0.546	0.477	0.550	0.514	6.42	

(#) = Out of Range

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712PBF3.D
Acq On : 12 Jul 2024 8:14 pm
Operator : GONZO:LAC
Sample : WG1947004-1
Misc : WG1947004
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024



AutoFind: Scans 176, 177, 178; Background Corrected with Scan 168

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	8143	PASS
75	95	30	60	49.1	21632	PASS
95	95	100	100	100.0	44088	PASS
96	95	5	9	6.7	2957	PASS
173	174	0.00	2	1.0	377	PASS
174	95	50	100	84.6	37320	PASS
175	174	5	9	7.0	2610	PASS
176	174	95	101	97.1	36251	PASS
177	176	5	9	6.8	2465	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P03.D
Acq On : 12 Jul 2024 9:20 pm
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG1947004,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 09:37:31 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-L11 - Level 11 for 8260-LRR product

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.086	96	310780	10.000 ug/L	0.00
Standard Area 1 = 354306			Recovery =	87.72%	
59) Chlorobenzene-d5	9.629	117	249910	10.000 ug/L	0.00
Standard Area 1 = 276985			Recovery =	90.23%	
79) 1,4-Dichlorobenzene-d4	12.311	152	134693	10.000 ug/L	0.00
Standard Area 1 = 160037			Recovery =	84.16%	
System Monitoring Compounds					
36) Dibromofluoromethane	5.281	113	82545	10.169 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.69%	
43) 1,2-Dichloroethane-d4	5.805	65	89609	10.392 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.92%	
60) Toluene-d8	7.779	98	314288	10.018 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.18%	
83) 4-Bromofluorobenzene	11.110	95	113149	10.058 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.58%	
Target Compounds					Qvalue
4) Vinyl chloride	1.946	62	1126M6	0.154 ug/L	
34) Carbon tetrachloride	5.228	117	1334	0.138 ug/L #	80
41) Benzene	5.668	78	4399	0.165 ug/L #	87
48) Trichloroethene	6.268	95	1454	0.194 ug/L	90

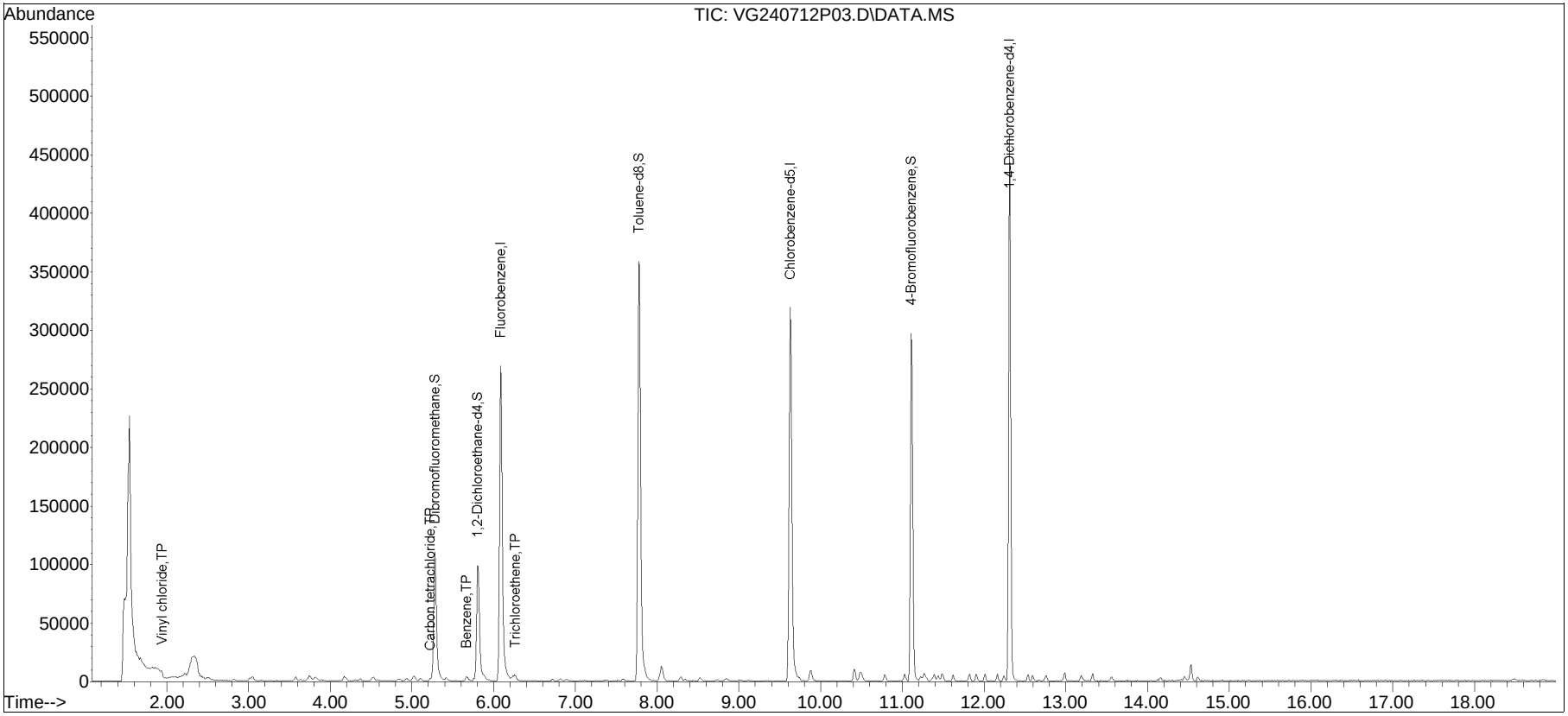
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P03.D
Acq On : 12 Jul 2024 9:20 pm
Operator : GONZO:PID
Sample : I8260STD0.19PPB
Misc : WG1947004,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 09:37:31 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

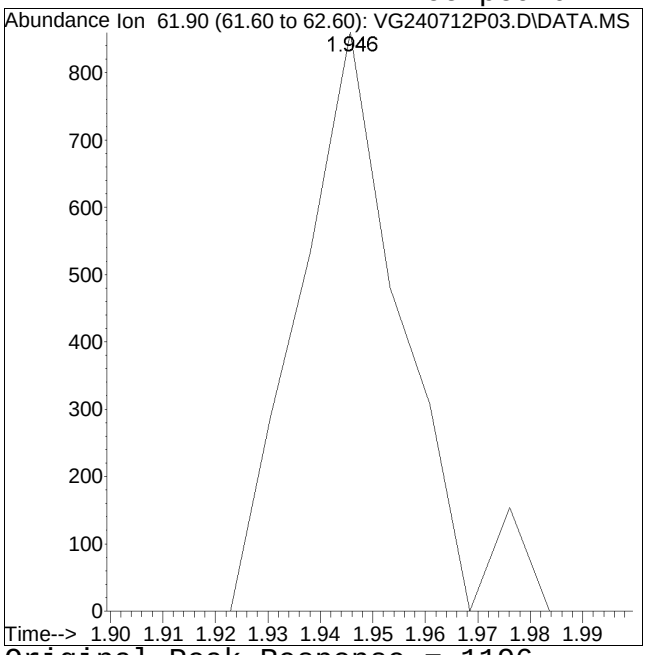
Sub List : 8260-L11 - Level 11 for 8260-LRR product8.D•



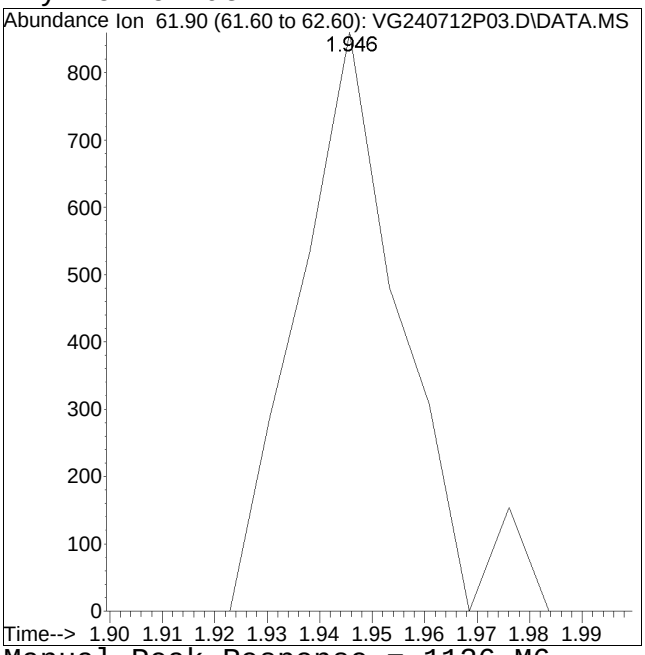
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P03.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 9:20 pm Instrument : Gonzo
Sample : I8260STD0.19PPB Quant Date : 7/15/2024 9:37 am

Compound #4: Vinyl chloride



Original Peak Response = 1196



Manual Peak Response = 1126 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P06.D
Acq On : 12 Jul 2024 10:32 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1947004,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 09:37:40 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	335173	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery =	94.60%		
59) Chlorobenzene-d5	9.629	117	262430	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery =	94.75%		
79) 1,4-Dichlorobenzene-d4	12.311	152	142379	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery =	88.97%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	88340	10.091	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.91%		
43) 1,2-Dichloroethane-d4	5.805	65	93465	10.050	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.50%		
60) Toluene-d8	7.779	98	332128	10.081	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.81%		
83) 4-Bromofluorobenzene	11.110	95	122190	10.275	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.75%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.680	85	3395	0.382	ug/L	94
3) Chloromethane	1.893	50	3979M6	0.523	ug/L	
4) Vinyl chloride	1.946	62	2973	0.377	ug/L	94
5) Bromomethane	2.257	94	1496M3	0.336	ug/L	
6) Chloroethane	2.371	64	2770	0.459	ug/L	89
7) Trichlorofluoromethane	2.516	101	4120	0.356	ug/L	96
8) Ethyl ether	2.819	74	1796	0.468	ug/L #	73
10) 1,1-Dichloroethene	3.017	96	2275	0.359	ug/L	97
11) Carbon disulfide	3.047	76	7497	0.402	ug/L	98
12) Freon-113	3.047	101	2519	0.362	ug/L #	70
13) Iodomethane	3.154	142	3499	0.305	ug/L	96
14) Acrolein	3.366	56	569M6	0.522	ug/L	
15) Methylene chloride	3.572	84	4200	0.560	ug/L	91
17) Acetone	3.640	43	2464M6	1.106	ug/L	
18) trans-1,2-Dichloroethene	3.739	96	2668	0.385	ug/L	90
19) Methyl acetate	3.754	43	5881M6	1.180	ug/L	
20) Methyl tert-butyl ether	3.822	73	9884	0.463	ug/L #	81
21) tert-Butyl alcohol	3.913	59	1371	2.317	ug/L #	71
22) Diisopropyl ether	4.179	45	9064	0.416	ug/L #	87
23) 1,1-Dichloroethane	4.316	63	5121	0.408	ug/L	95
24) Halothane	4.354	117	2400	0.417	ug/L	81

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P06.D
Acq On : 12 Jul 2024 10:32 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1947004,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 09:37:40 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	0.000		0	N.D.	d		
26) Ethyl tert-butyl ether	4.521	59	9240	0.431	ug/L	#	73
27) Vinyl acetate	4.567	43	4789M3	0.411	ug/L		
28) cis-1,2-Dichloroethene	4.840	96	3318	0.416	ug/L		93
29) 2,2-Dichloropropane	4.924	77	4893	0.467	ug/L		97
30) Bromochloromethane	5.030	128	1836	0.471	ug/L	#	81
31) Cyclohexane	5.023	56	4324	0.363	ug/L		87
32) Chloroform	5.099	83	5683	0.442	ug/L		96
33) Ethyl acetate	0.000		0	N.D.	d		
34) Carbon tetrachloride	5.235	117	4313	0.414	ug/L		98
35) Tetrahydrofuran	5.243	42	1660	0.801	ug/L	#	54
37) 1,1,1-Trichloroethane	5.288	97	4794	0.404	ug/L		96
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.425	75	3465	0.365	ug/L		97
41) Benzene	5.668	78	12021	0.419	ug/L		98
42) tert-Amyl methyl ether	5.775	73	9109	0.465	ug/L		92
44) 1,2-Dichloroethane	5.881	62	4529	0.495	ug/L		96
47) Methyl cyclohexane	6.253	83	3917	0.351	ug/L	#	79
48) Trichloroethene	6.276	95	3511	0.434	ug/L		85
50) Dibromomethane	6.724	93	2256	0.498	ug/L		96
51) 1,2-Dichloropropane	6.816	63	2871	0.410	ug/L		96
53) 2-Chloroethyl vinyl ether	7.514	63	1826	0.431	ug/L	#	84
54) Bromodichloromethane	6.884	83	4664	0.456	ug/L	#	93
57) 1,4-Dioxane	7.106	88	6862	96.286	ug/L		89
58) cis-1,3-Dichloropropene	7.586	75	5155	0.451	ug/L		96
61) Toluene	7.844	92	8239	0.452	ug/L		97
62) 4-Methyl-2-pentanone	8.288	58	798	0.397	ug/L	#	53
63) Tetrachloroethene	8.288	166	3122	0.390	ug/L		97
65) trans-1,3-Dichloropropene	8.345	75	4551	0.456	ug/L		97
67) Ethyl methacrylate	8.524	69	3918	0.467	ug/L		90
68) 1,1,2-Trichloroethane	8.517	83	2500	0.500	ug/L		98
69) Chlorodibromomethane	8.732	129	3450	0.436	ug/L		93
70) 1,3-Dichloropropane	8.839	76	4812	0.482	ug/L		95
71) 1,2-Dibromoethane	9.018	107	3162	0.498	ug/L		87
72) 2-Hexanone	9.298	43	2082	0.558	ug/L	#	63
73) Chlorobenzene	9.645	112	9242	0.455	ug/L	#	79
74) Ethylbenzene	9.686	91	14639	0.420	ug/L		98
75) 1,1,1,2-Tetrachloroethane	9.728	131	3019	0.399	ug/L	#	63
76) p/m Xylene	9.876	106	11498	0.835	ug/L		96
77) o Xylene	10.410	106	11190	0.839	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P06.D
Acq On : 12 Jul 2024 10:32 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1947004,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 09:37:40 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.484	104	18007	0.797	ug/L		94
80) Bromoform	10.509	173	2349	0.466	ug/L		98
82) Isopropylbenzene	10.789	105	12071	0.379	ug/L		92
84) Bromobenzene	11.225	156	4114	0.467	ug/L		99
85) n-Propylbenzene	11.266	91	14951	0.403	ug/L		99
86) 1,4-Dichlorobutane	11.291	55	5148	0.504	ug/L		92
87) 1,1,2,2-Tetrachloroethane	11.365	83	3665	0.518	ug/L		97
88) 4-Ethyltoluene	11.389	105	12497	0.403	ug/L		98
89) 2-Chlorotoluene	11.439	91	10202M4	0.448	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	11312	0.412	ug/L		97
91) 1,2,3-Trichloropropane	11.496	75	2998	0.506	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.554	53	701M6	0.432	ug/L		
93) 4-Chlorotoluene	11.620	91	10033M6	0.428	ug/L		
94) tert-Butylbenzene	11.825	119	8494	0.383	ug/L		95
97) 1,2,4-Trimethylbenzene	11.899	105	11113	0.411	ug/L		98
98) sec-Butylbenzene	12.014	105	12415	0.393	ug/L		98
99) p-Isopropyltoluene	12.163	119	10327	0.377	ug/L		97
100) 1,3-Dichlorobenzene	12.245	146	7154	0.442	ug/L		98
101) 1,4-Dichlorobenzene	12.327	146	7579	0.455	ug/L	#	82
102) p-Diethylbenzene	12.533	119	5781	0.367	ug/L		95
103) n-Butylbenzene	12.590	91	7943	0.367	ug/L		96
104) 1,2-Dichlorobenzene	12.747	146	6935	0.449	ug/L		95
105) 1,2,4,5-Tetramethylben...	13.331	119	9465	0.402	ug/L		94
106) 1,2-Dibromo-3-chloropr...	13.536	155	655	0.499	ug/L		87
107) 1,3,5-Trichlorobenzene	13.561	180	4315	0.425	ug/L		96
108) Hexachlorobutadiene	14.120	225	1063	0.373	ug/L		93
109) 1,2,4-Trichlorobenzene	14.153	180	3793	0.431	ug/L	#	96
110) Naphthalene	14.449	128	9895	0.501	ug/L		100
111) 1,2,3-Trichlorobenzene	14.614	180	3339	0.456	ug/L		94

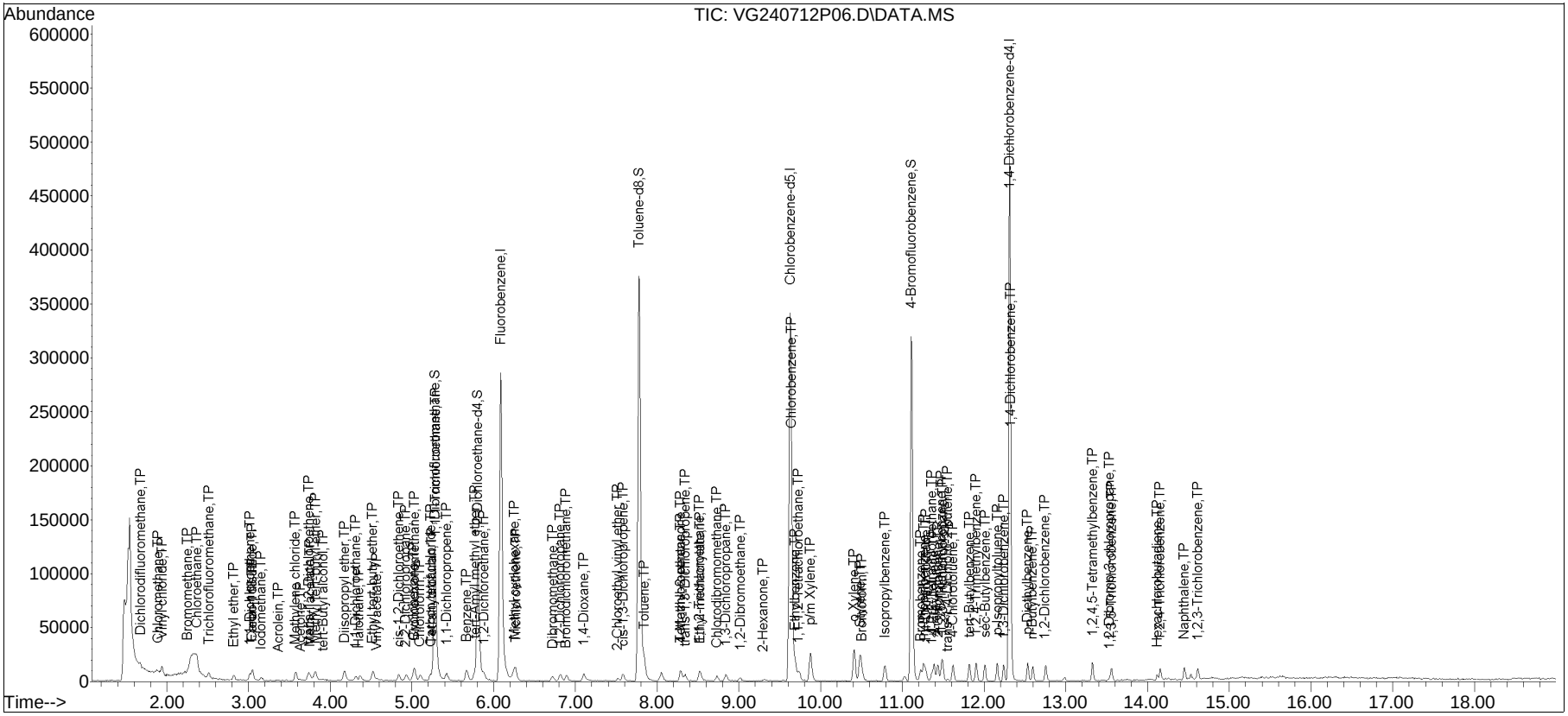
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P06.D
Acq On : 12 Jul 2024 10:32 pm
Operator : GONZO:PID
Sample : I8260STD0.5PPB
Misc : WG1947004,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 09:37:40 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

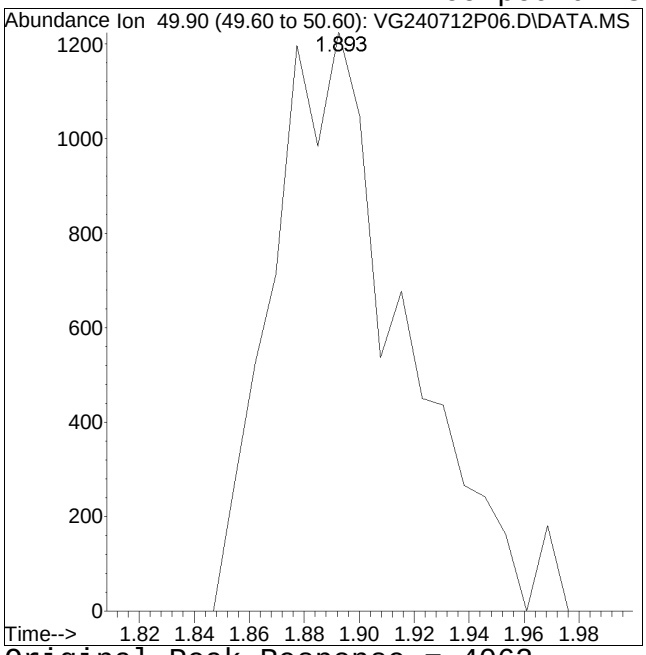
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



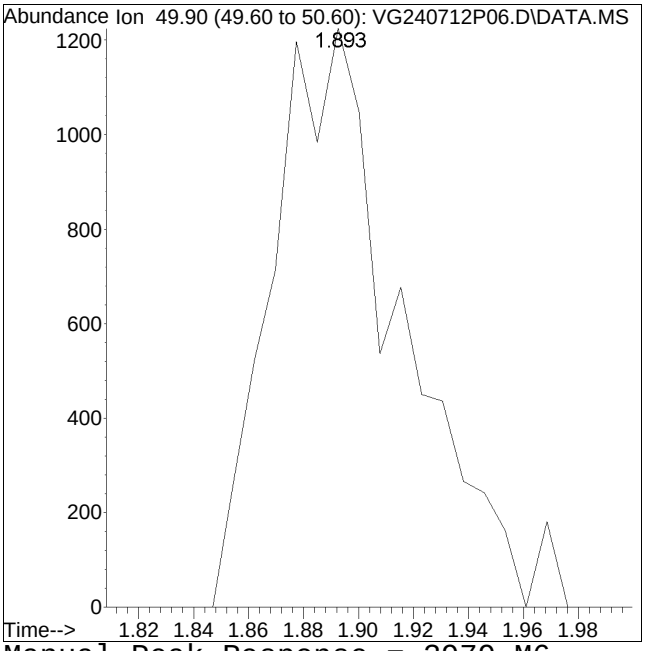
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #3: Chloromethane



Original Peak Response = 4062



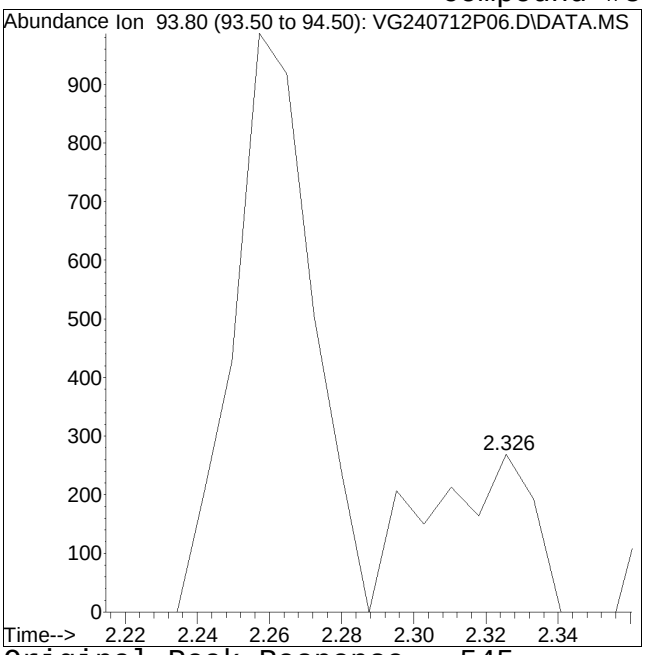
Manual Peak Response = 3979 M6

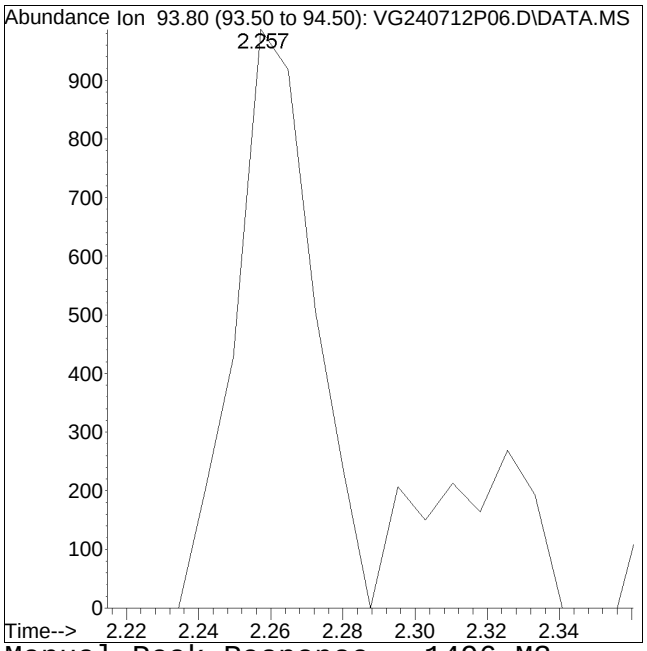
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #5: Bromomethane





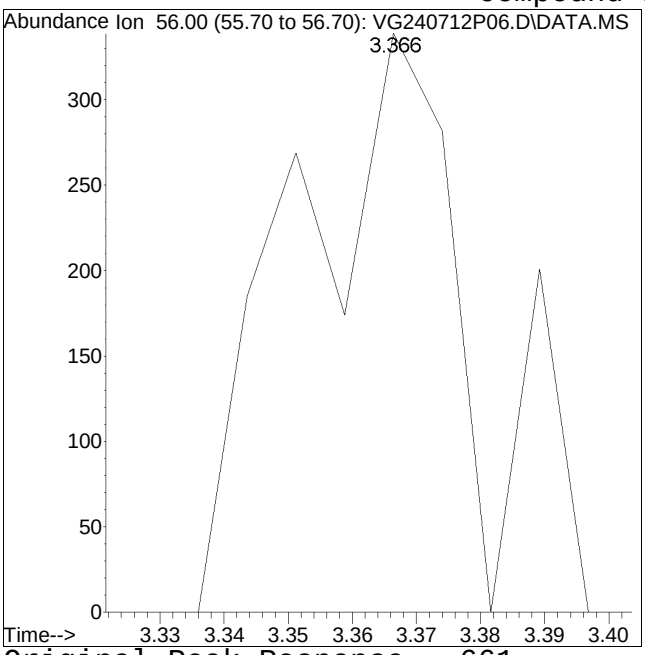
Original Peak Response = 545 Manual Peak Response = 1496 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

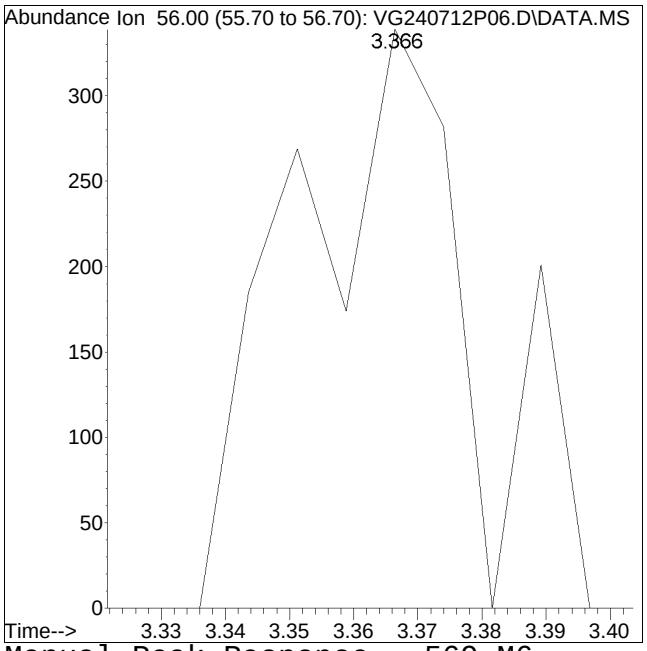
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #14: Acrolein



Original Peak Response = 661



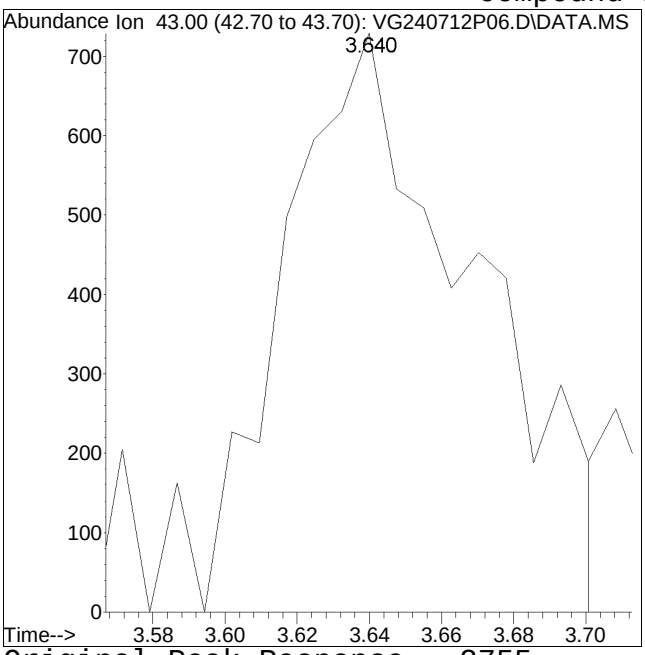
Manual Peak Response = 569 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

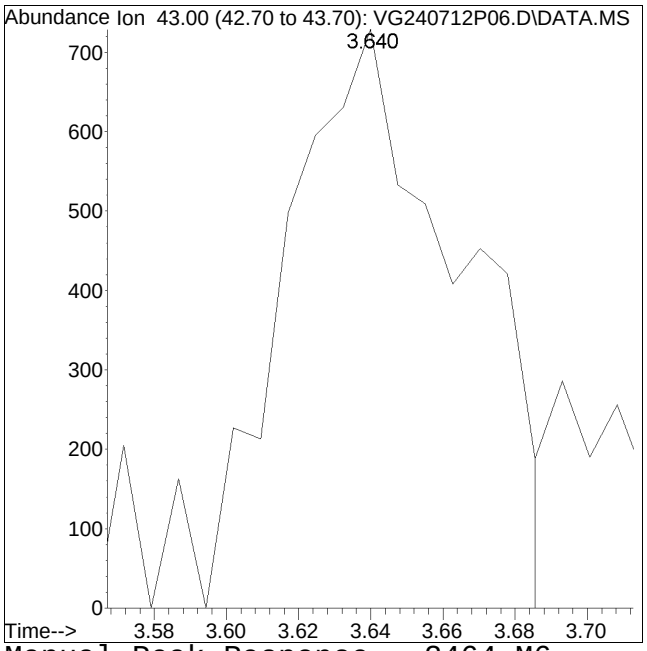
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #17: Acetone



Original Peak Response = 2755



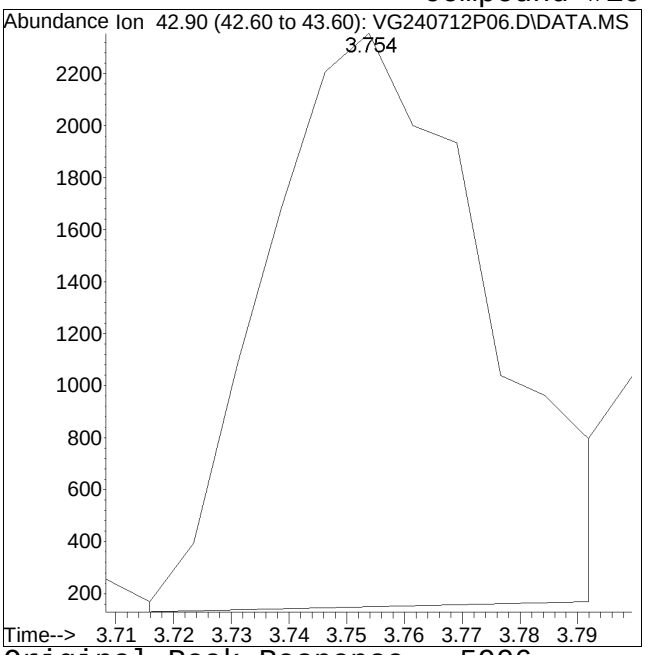
Manual Peak Response = 2464 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

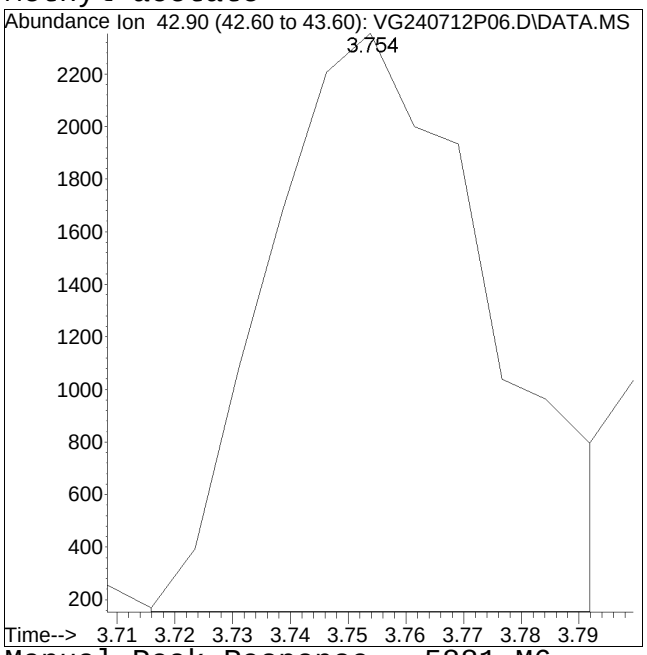
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #19: Methyl acetate



Original Peak Response = 5906



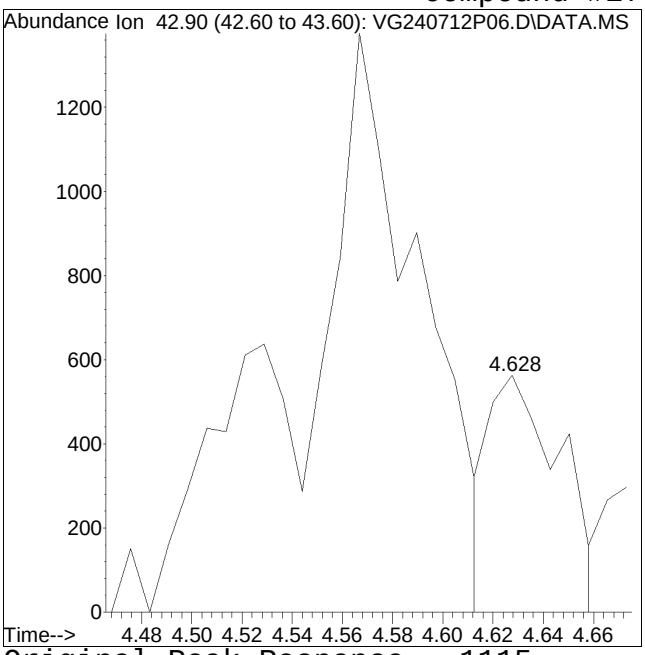
Manual Peak Response = 5881 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

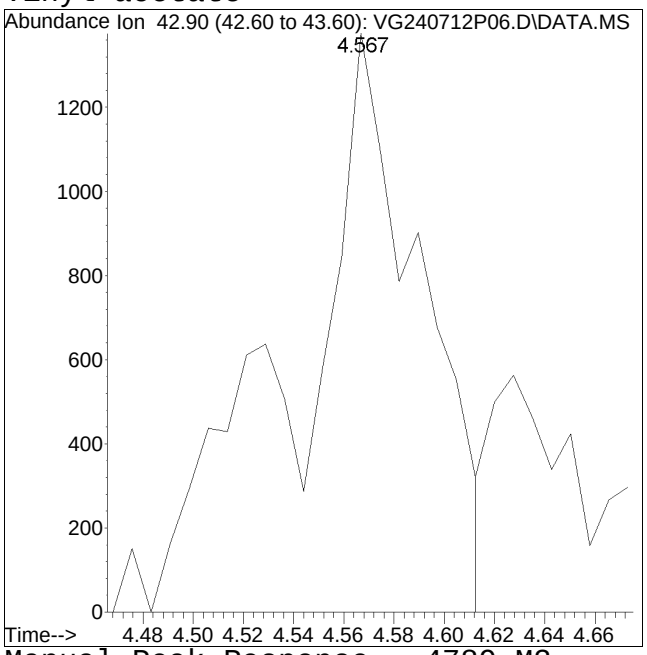
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #27: Vinyl acetate



Original Peak Response = 1115



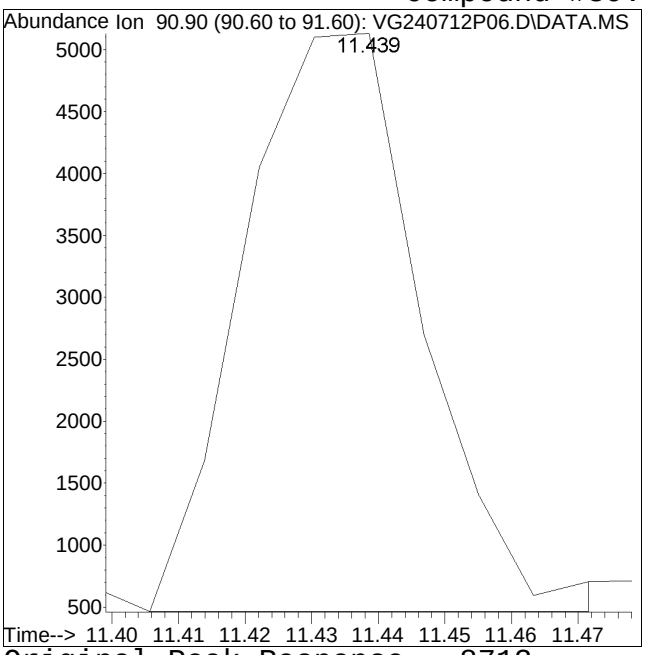
Manual Peak Response = 4789 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

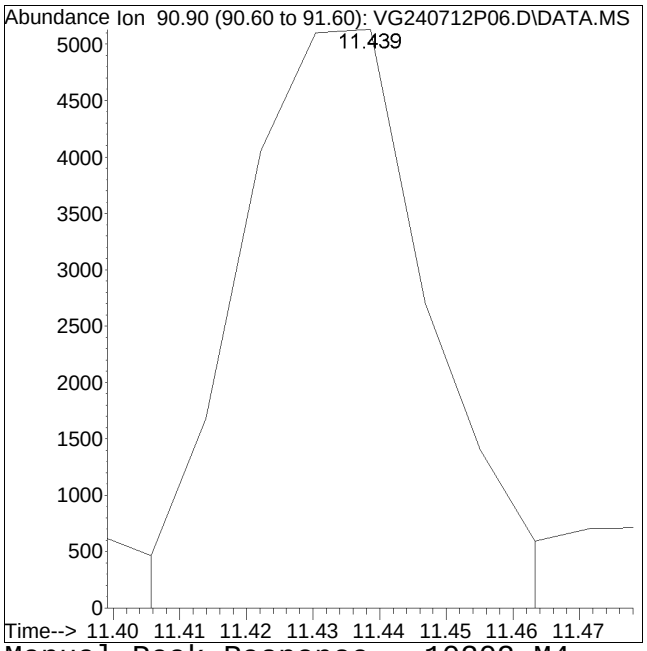
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 8713



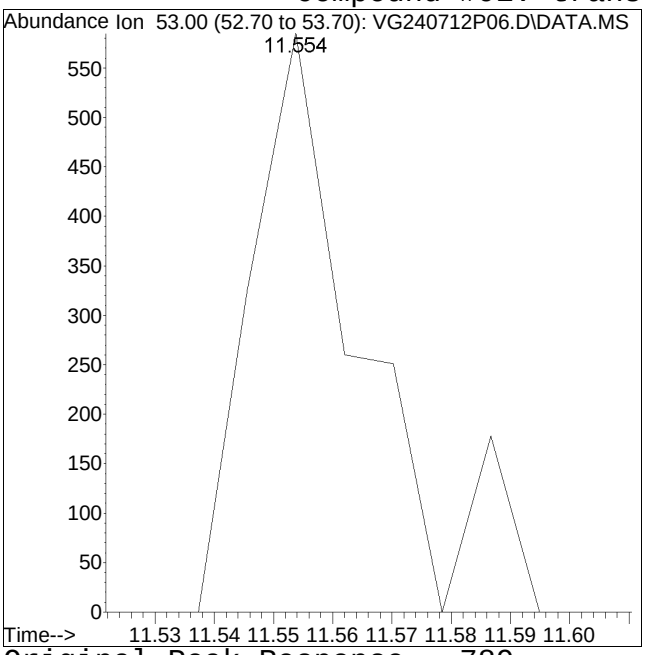
Manual Peak Response = 10202 M4

M4 = Poor automated baseline construction.

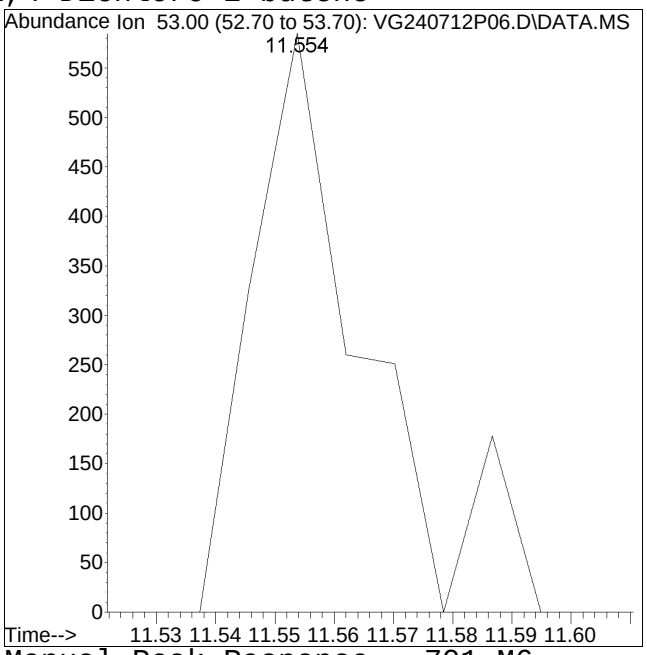
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 789



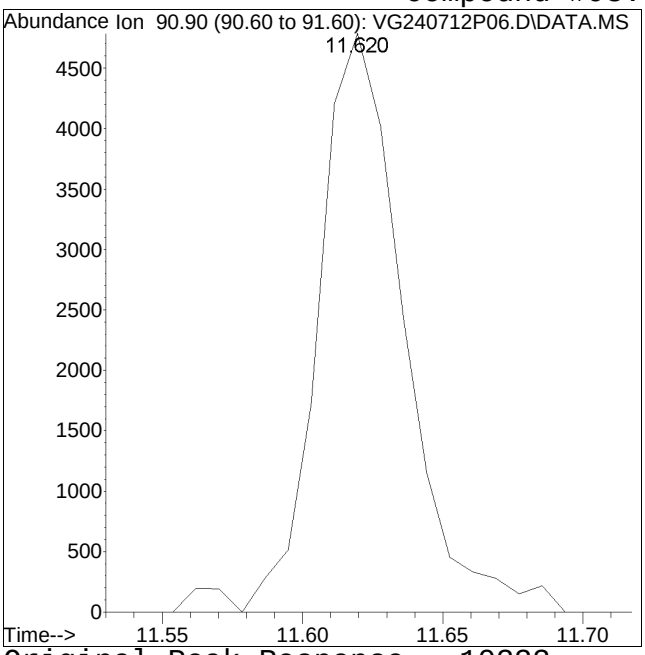
Manual Peak Response = 701 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

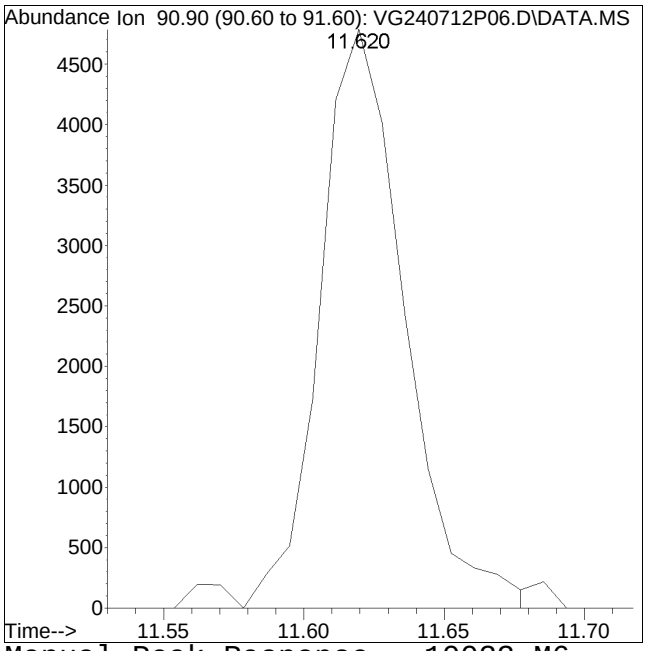
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P06.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:32 pm Instrument : Gonzo
Sample : I8260STD0.5PPB Quant Date : 7/15/2024 9:37 am

Compound #93: 4-Chlorotoluene



Original Peak Response = 10333



Manual Peak Response = 10033 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P07.D
Acq On : 12 Jul 2024 10:56 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1947004,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 09:37:49 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	339095	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery =	95.71%		
59) Chlorobenzene-d5	9.629	117	267471	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery =	96.57%		
79) 1,4-Dichlorobenzene-d4	12.311	152	146727	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery =	91.68%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	88717	10.017	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.17%		
43) 1,2-Dichloroethane-d4	5.805	65	95269	10.126	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.26%		
60) Toluene-d8	7.779	98	339712	10.117	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.17%		
83) 4-Bromofluorobenzene	11.110	95	126143	10.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.93%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.680	85	19249	2.138	ug/L	99
3) Chloromethane	1.885	50	16465	2.138	ug/L	99
4) Vinyl chloride	1.946	62	18154	2.275	ug/L	97
5) Bromomethane	2.265	94	7941	1.763	ug/L	96
6) Chloroethane	2.371	64	13605	2.231	ug/L	95
7) Trichlorofluoromethane	2.516	101	24371	2.084	ug/L	98
8) Ethyl ether	2.819	74	8500	2.189	ug/L	95
10) 1,1-Dichloroethene	3.009	96	13159	2.051	ug/L	92
11) Carbon disulfide	3.047	76	39642	2.101	ug/L	98
12) Freon-113	3.055	101	14950	2.124	ug/L	84
13) Iodomethane	3.154	142	20184	1.737	ug/L	97
14) Acrolein	3.351	56	1942	1.760	ug/L #	81
15) Methylene chloride	3.579	84	15558	2.051	ug/L	89
17) Acetone	3.625	43	5068	2.249	ug/L #	84
18) trans-1,2-Dichloroethene	3.724	96	15023	2.141	ug/L	99
19) Methyl acetate	3.746	43	10439	2.070	ug/L #	94
20) Methyl tert-butyl ether	3.815	73	43598	2.021	ug/L	97
21) tert-Butyl alcohol	3.913	59	5817	9.717	ug/L #	74
22) Diisopropyl ether	4.172	45	43322	1.966	ug/L	96
23) 1,1-Dichloroethane	4.316	63	27160	2.137	ug/L	99
24) Halothane	4.362	117	11719	2.011	ug/L	90

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P07.D
Acq On : 12 Jul 2024 10:56 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1947004,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 09:37:49 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.384	53	3499	1.765	ug/L		95
26) Ethyl tert-butyl ether	4.521	59	42838	1.976	ug/L		94
27) Vinyl acetate	4.559	43	22580	1.917	ug/L		96
28) cis-1,2-Dichloroethene	4.840	96	17545	2.175	ug/L		93
29) 2,2-Dichloropropane	4.931	77	22451	2.119	ug/L		97
30) Bromochloromethane	5.030	128	8234	2.086	ug/L		91
31) Cyclohexane	5.023	56	24829	2.059	ug/L		84
32) Chloroform	5.099	83	26195	2.013	ug/L		93
33) Ethyl acetate	5.220	43	11333	1.967	ug/L	#	93
34) Carbon tetrachloride	5.235	117	22186	2.104	ug/L	#	96
35) Tetrahydrofuran	5.258	42	4122M6	1.966	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	24403	2.034	ug/L		97
39) 2-Butanone	5.418	43	3735	1.519	ug/L		94
40) 1,1-Dichloropropene	5.418	75	19439	2.026	ug/L		99
41) Benzene	5.668	78	60361	2.078	ug/L		97
42) tert-Amyl methyl ether	5.767	73	37905	1.911	ug/L		97
44) 1,2-Dichloroethane	5.881	62	19600	2.117	ug/L		99
47) Methyl cyclohexane	6.246	83	22413	1.985	ug/L		89
48) Trichloroethene	6.269	95	16818	2.053	ug/L		95
50) Dibromomethane	6.717	93	9528	2.079	ug/L		98
51) 1,2-Dichloropropane	6.808	63	14837	2.093	ug/L		98
53) 2-Chloroethyl vinyl ether	7.514	63	7911	1.845	ug/L		95
54) Bromodichloromethane	6.892	83	21170	2.046	ug/L		97
57) 1,4-Dioxane	7.099	88	30548	423.683	ug/L		100
58) cis-1,3-Dichloropropene	7.571	75	22927	1.981	ug/L		95
61) Toluene	7.836	92	38753	2.085	ug/L		96
62) 4-Methyl-2-pentanone	8.273	58	4127	2.014	ug/L		81
63) Tetrachloroethene	8.288	166	17253	2.114	ug/L		96
65) trans-1,3-Dichloropropene	8.338	75	19727	1.938	ug/L		99
67) Ethyl methacrylate	8.517	69	16341	1.910	ug/L		99
68) 1,1,2-Trichloroethane	8.517	83	10049	1.970	ug/L		96
69) Chlorodibromomethane	8.732	129	16191	2.008	ug/L		98
70) 1,3-Dichloropropane	8.839	76	20789	2.045	ug/L		94
71) 1,2-Dibromoethane	9.011	107	13176	2.036	ug/L		94
72) 2-Hexanone	9.305	43	7172	1.887	ug/L		95
73) Chlorobenzene	9.654	112	42909	2.071	ug/L		94
74) Ethylbenzene	9.686	91	73017	2.057	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.736	131	15752	2.043	ug/L		97
76) p/m Xylene	9.867	106	55393	3.947	ug/L		96
77) o Xylene	10.410	106	56091	4.126	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P07.D
Acq On : 12 Jul 2024 10:56 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1947004,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 09:37:49 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.476	104	89487	3.885	ug/L		99
80) Bromoform	10.509	173	9748	1.875	ug/L		94
82) Isopropylbenzene	10.781	105	65915	2.008	ug/L		98
84) Bromobenzene	11.225	156	18817	2.073	ug/L		96
85) n-Propylbenzene	11.258	91	78139	2.043	ug/L		99
86) 1,4-Dichlorobutane	11.282	55	22587	2.145	ug/L		95
87) 1,1,2,2-Tetrachloroethane	11.356	83	14540	1.993	ug/L		99
88) 4-Ethyltoluene	11.381	105	64338	2.013	ug/L		97
89) 2-Chlorotoluene	11.430	91	49112M1	2.094	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	58055	2.052	ug/L		97
91) 1,2,3-Trichloropropane	11.496	75	13152M1	2.156	ug/L		
92) trans-1,4-Dichloro-2-b...	11.546	53	2644	1.581	ug/L	#	86
93) 4-Chlorotoluene	11.611	91	48983	2.029	ug/L		96
94) tert-Butylbenzene	11.817	119	46267	2.023	ug/L		94
97) 1,2,4-Trimethylbenzene	11.899	105	56701	2.034	ug/L		100
98) sec-Butylbenzene	12.006	105	65866	2.025	ug/L		98
99) p-Isopropyltoluene	12.163	119	57060	2.021	ug/L		96
100) 1,3-Dichlorobenzene	12.237	146	34096	2.045	ug/L		98
101) 1,4-Dichlorobenzene	12.327	146	36405	2.120	ug/L		96
102) p-Diethylbenzene	12.533	119	32769	2.020	ug/L		99
103) n-Butylbenzene	12.590	91	44868	2.009	ug/L		99
104) 1,2-Dichlorobenzene	12.755	146	32532	2.046	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.323	119	47276	1.947	ug/L		96
106) 1,2-Dibromo-3-chloropr...	13.528	155	2543	1.879	ug/L		95
107) 1,3,5-Trichlorobenzene	13.553	180	20867	1.993	ug/L		99
108) Hexachlorobutadiene	14.120	225	5584	1.904	ug/L		96
109) 1,2,4-Trichlorobenzene	14.153	180	17073	1.883	ug/L		98
110) Naphthalene	14.450	128	38026	1.869	ug/L		100
111) 1,2,3-Trichlorobenzene	14.614	180	14701	1.950	ug/L		97

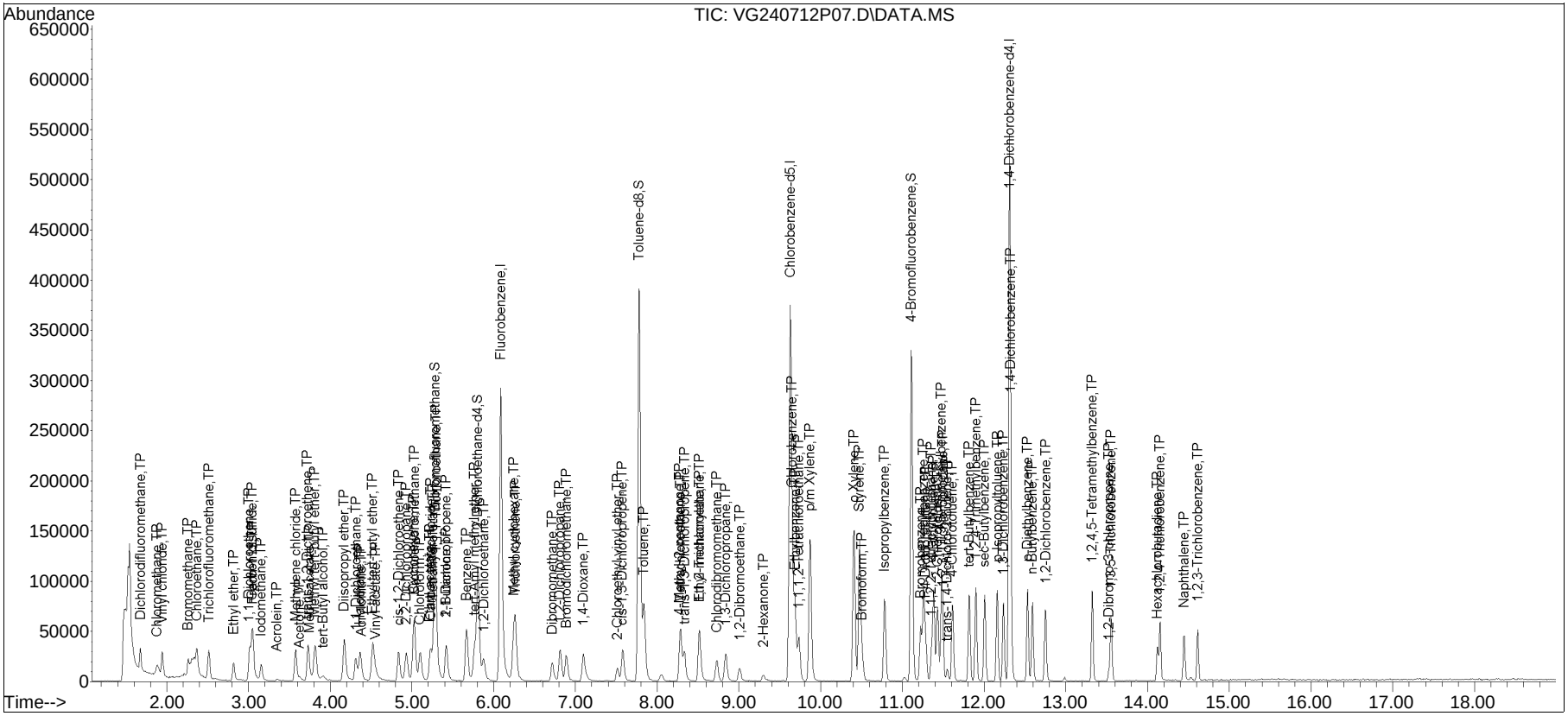
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P07.D
Acq On : 12 Jul 2024 10:56 pm
Operator : GONZO:PID
Sample : I8260STD2PPB
Misc : WG1947004,ICAL
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 09:37:49 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

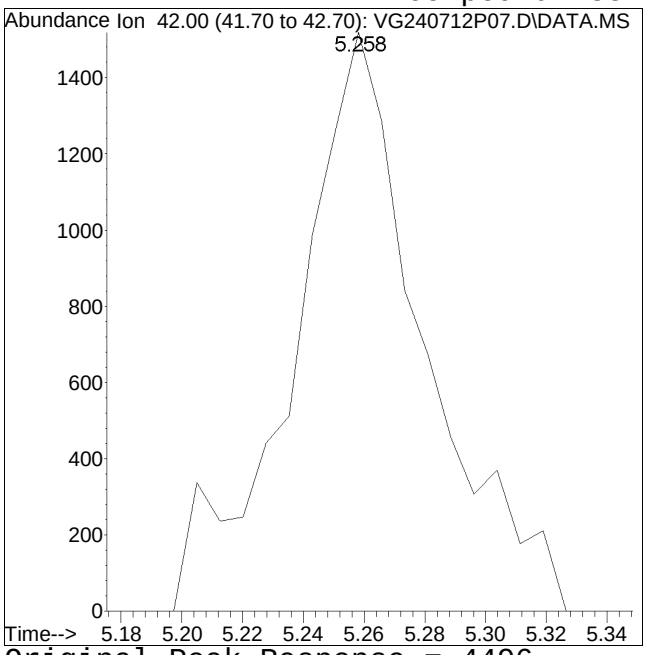
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



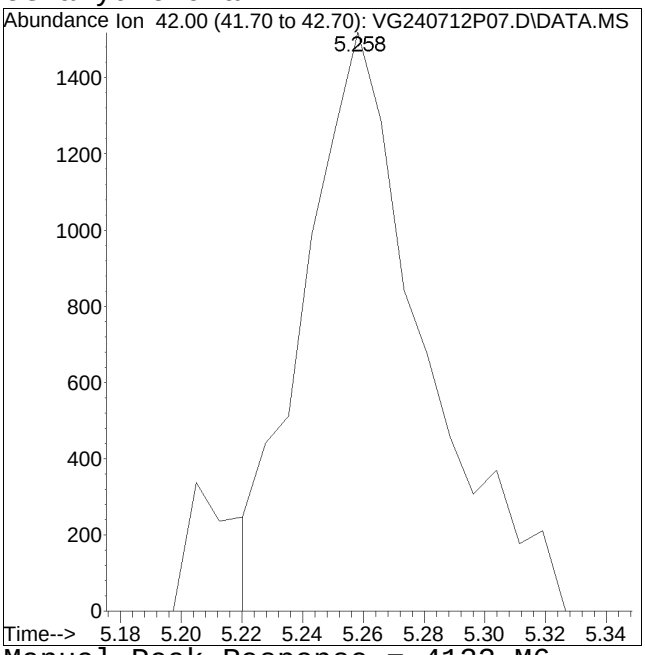
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P07.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:56 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/15/2024 9:37 am

Compound #35: Tetrahydrofuran



Original Peak Response = 4496



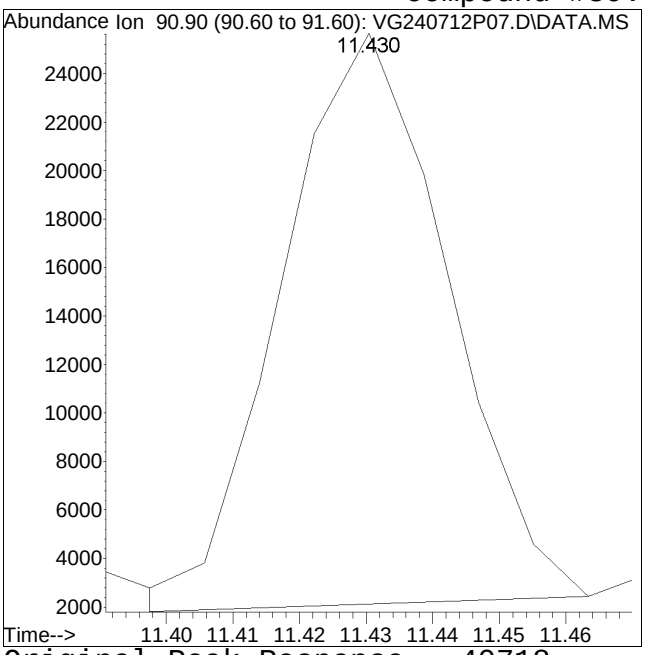
Manual Peak Response = 4122 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

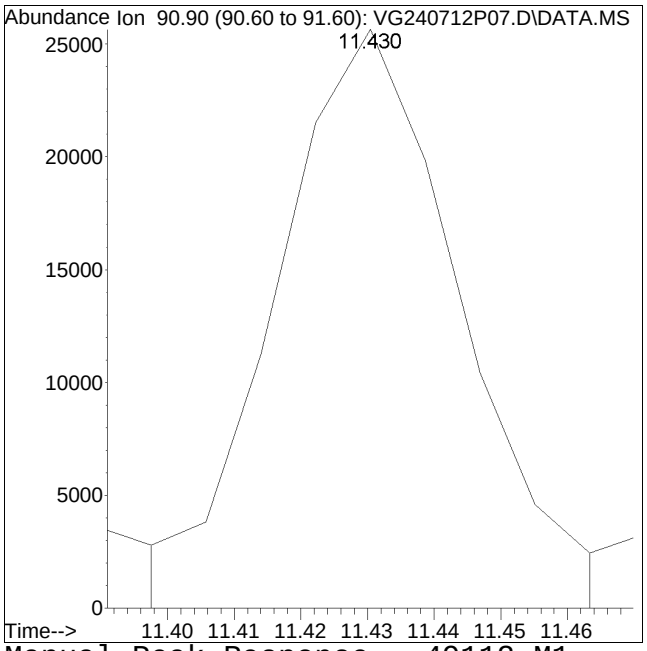
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P07.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:56 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/15/2024 9:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 40718



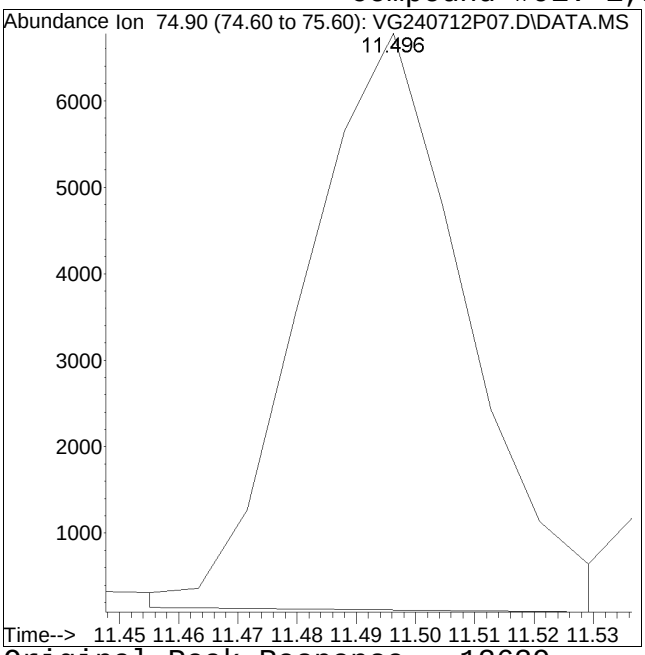
Manual Peak Response = 49112 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

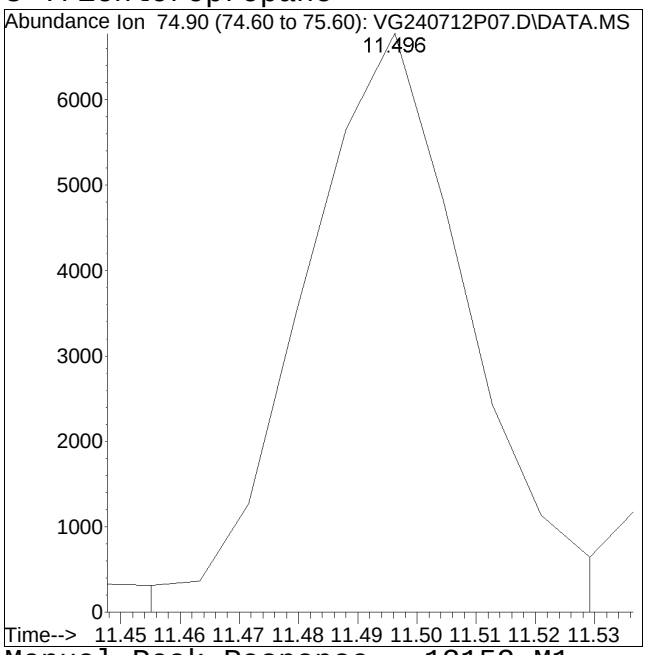
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P07.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 10:56 pm Instrument : Gonzo
Sample : I8260STD2PPB Quant Date : 7/15/2024 9:37 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 12639



Manual Peak Response = 13152 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P08.D
Acq On : 12 Jul 2024 11:20 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 09:37:57 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	354306	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 100.00%			
59) Chlorobenzene-d5	9.629	117	276985	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.311	152	160037	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	92133	9.956	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.56%			
43) 1,2-Dichloroethane-d4	5.805	65	102401	10.416	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.16%			
60) Toluene-d8	7.779	98	350971	10.093	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.93%			
83) 4-Bromofluorobenzene	11.110	95	129463	9.686	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.86%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	104073	11.064	ug/L	98
3) Chloromethane	1.885	50	80582	10.015	ug/L	96
4) Vinyl chloride	1.946	62	93018	11.159	ug/L	100
5) Bromomethane	2.265	94	43942	9.335	ug/L	96
6) Chloroethane	2.371	64	66558	10.444	ug/L	99
7) Trichlorofluoromethane	2.516	101	120321	9.845	ug/L	91
8) Ethyl ether	2.819	74	40300	9.932	ug/L	94
10) 1,1-Dichloroethene	3.017	96	70738	10.554	ug/L	98
11) Carbon disulfide	3.047	76	202979	10.298	ug/L	99
12) Freon-113	3.047	101	76313	10.377	ug/L	85
13) Iodomethane	3.154	142	124010	10.212	ug/L	98
14) Acrolein	3.344	56	12033	10.440	ug/L	99
15) Methylene chloride	3.579	84	79539	10.037	ug/L	95
17) Acetone	3.625	43	17021	7.230	ug/L	98
18) trans-1,2-Dichloroethene	3.724	96	77412	10.559	ug/L	98
19) Methyl acetate	3.739	43	39376	7.472	ug/L	99
20) Methyl tert-butyl ether	3.815	73	223554	9.917	ug/L	97
21) tert-Butyl alcohol	3.906	59	30651	49.004	ug/L	98
22) Diisopropyl ether	4.172	45	236966	10.292	ug/L	99
23) 1,1-Dichloroethane	4.316	63	139835	10.530	ug/L	99
24) Halothane	4.362	117	63937	10.500	ug/L	98

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P08.D
Acq On : 12 Jul 2024 11:20 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 09:37:57 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.369	53	20495	9.896	ug/L	94
26) Ethyl tert-butyl ether	4.521	59	227890	10.061	ug/L	97
27) Vinyl acetate	4.544	43	131130	10.656	ug/L	99
28) cis-1,2-Dichloroethene	4.833	96	86739	10.289	ug/L	96
29) 2,2-Dichloropropane	4.931	77	113646	10.264	ug/L	94
30) Bromochloromethane	5.030	128	42938	10.411	ug/L	96
31) Cyclohexane	5.023	56	132450	10.515	ug/L	86
32) Chloroform	5.099	83	144183	10.606	ug/L	99
33) Ethyl acetate	5.205	43	57402	9.537	ug/L	99
34) Carbon tetrachloride	5.228	117	122210	11.092	ug/L	98
35) Tetrahydrofuran	5.258	42	20810M6	9.498	ug/L	
37) 1,1,1-Trichloroethane	5.296	97	132414	10.561	ug/L	99
39) 2-Butanone	5.395	43	25684	9.995	ug/L	89
40) 1,1-Dichloropropene	5.418	75	105224	10.498	ug/L	98
41) Benzene	5.668	78	326866	10.769	ug/L	98
42) tert-Amyl methyl ether	5.767	73	207586	10.015	ug/L	99
44) 1,2-Dichloroethane	5.874	62	97001	10.027	ug/L	98
47) Methyl cyclohexane	6.246	83	128925	10.930	ug/L	92
48) Trichloroethene	6.261	95	88397	10.328	ug/L	100
50) Dibromomethane	6.717	93	49277	10.292	ug/L	95
51) 1,2-Dichloropropane	6.816	63	77980	10.529	ug/L	99
53) 2-Chloroethyl vinyl ether	7.507	63	43244	9.650	ug/L	99
54) Bromodichloromethane	6.884	83	110833	10.252	ug/L	100
57) 1,4-Dioxane	7.099	88	35915	476.735	ug/L	96
58) cis-1,3-Dichloropropene	7.579	75	123908	10.248	ug/L	97
61) Toluene	7.836	92	203126	10.552	ug/L	98
62) 4-Methyl-2-pentanone	8.273	58	21862	10.301	ug/L	96
63) Tetrachloroethene	8.288	166	90280	10.684	ug/L	98
65) trans-1,3-Dichloropropene	8.331	75	109161	10.358	ug/L	96
67) Ethyl methacrylate	8.510	69	88709	10.011	ug/L	99
68) 1,1,2-Trichloroethane	8.517	83	53589	10.145	ug/L	99
69) Chlorodibromomethane	8.725	129	86439	10.350	ug/L	97
70) 1,3-Dichloropropane	8.839	76	110016	10.450	ug/L	98
71) 1,2-Dibromoethane	9.004	107	67957	10.142	ug/L	100
72) 2-Hexanone	9.283	43	37271	9.469	ug/L	98
73) Chlorobenzene	9.645	112	225099	10.492	ug/L	100
74) Ethylbenzene	9.678	91	389004	10.584	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.736	131	83492	10.457	ug/L	99
76) p/m Xylene	9.867	106	308831	21.252	ug/L	99
77) o Xylene	10.402	106	298234	21.186	ug/L	99

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P08.D
Acq On : 12 Jul 2024 11:20 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 09:37:57 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.476	104	499564	20.942	ug/L		98
80)	Bromoform	10.509	173	55204	9.737	ug/L		99
82)	Isopropylbenzene	10.781	105	380415	10.625	ug/L		100
84)	Bromobenzene	11.225	156	102225	10.327	ug/L		99
85)	n-Propylbenzene	11.258	91	436489	10.466	ug/L		99
86)	1,4-Dichlorobutane	11.282	55	115065	10.019	ug/L		99
87)	1,1,2,2-Tetrachloroethane	11.356	83	78939	9.921	ug/L		98
88)	4-Ethyltoluene	11.381	105	368555	10.571	ug/L		100
89)	2-Chlorotoluene	11.430	91	263738M1	10.311	ug/L		
90)	1,3,5-Trimethylbenzene	11.480	105	325688	10.553	ug/L		99
91)	1,2,3-Trichloropropane	11.496	75	66787	10.036	ug/L		98
92)	trans-1,4-Dichloro-2-b...	11.546	53	16540	9.065	ug/L	#	96
93)	4-Chlorotoluene	11.611	91	278152	10.563	ug/L		99
94)	tert-Butylbenzene	11.817	119	268117	10.748	ug/L		99
97)	1,2,4-Trimethylbenzene	11.899	105	323593	10.642	ug/L		100
98)	sec-Butylbenzene	12.006	105	380308	10.718	ug/L		100
99)	p-Isopropyltoluene	12.163	119	327721	10.640	ug/L		99
100)	1,3-Dichlorobenzene	12.237	146	191268	10.517	ug/L		100
101)	1,4-Dichlorobenzene	12.327	146	194645	10.392	ug/L		99
102)	p-Diethylbenzene	12.533	119	189303	10.699	ug/L		99
103)	n-Butylbenzene	12.590	91	259443	10.652	ug/L		99
104)	1,2-Dichlorobenzene	12.747	146	181112	10.441	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.323	119	268152	10.125	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.528	155	13870	9.398	ug/L		95
107)	1,3,5-Trichlorobenzene	13.553	180	117896	10.325	ug/L		98
108)	Hexachlorobutadiene	14.120	225	31839	9.952	ug/L		97
109)	1,2,4-Trichlorobenzene	14.153	180	99009	10.014	ug/L		99
110)	Naphthalene	14.441	128	210646	9.491	ug/L		100
111)	1,2,3-Trichlorobenzene	14.614	180	82318	10.012	ug/L		99

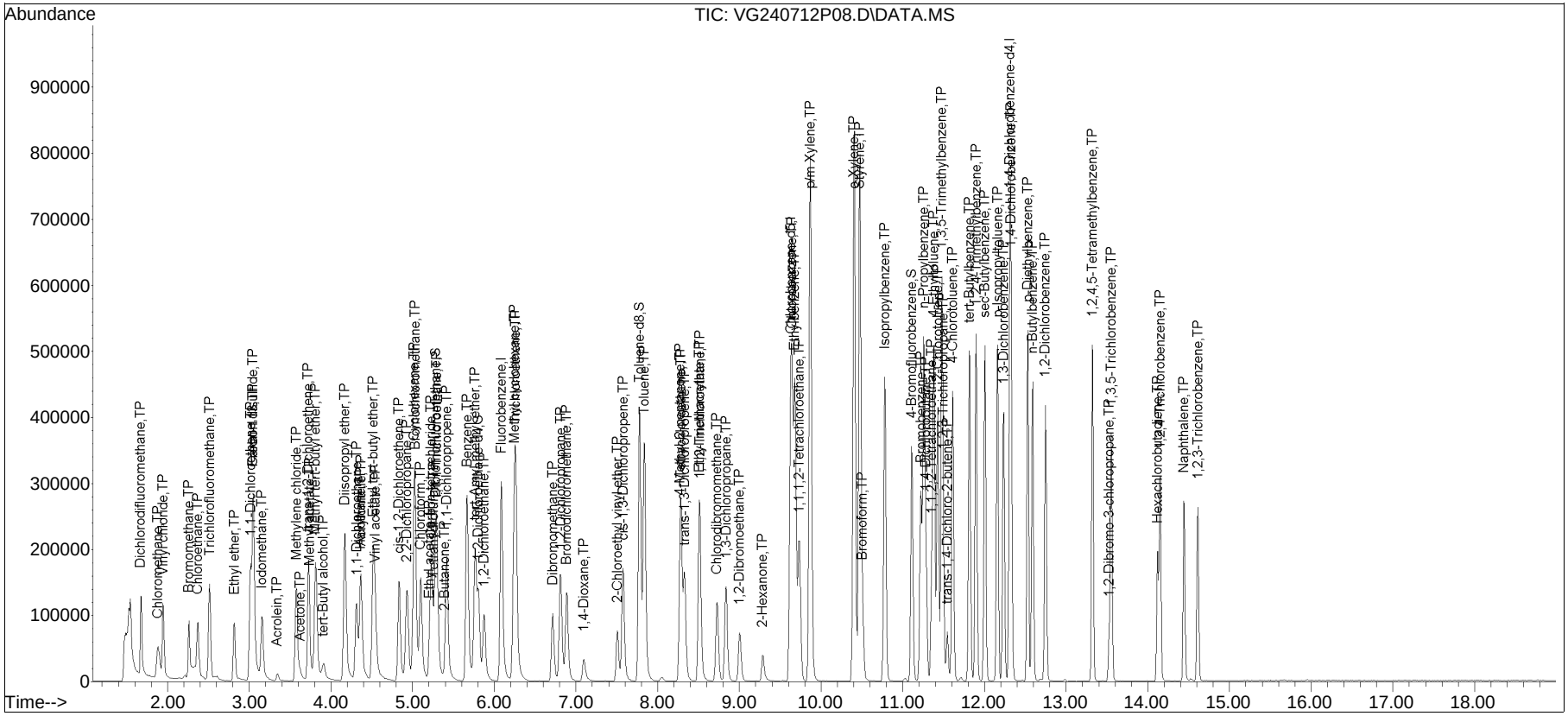
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P08.D
Acq On : 12 Jul 2024 11:20 pm
Operator : GONZO:PID
Sample : I8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 09:37:57 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

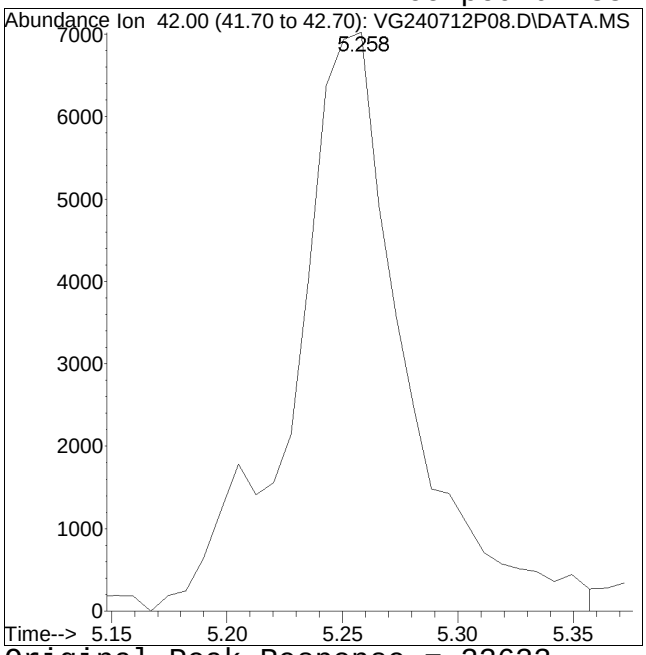
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



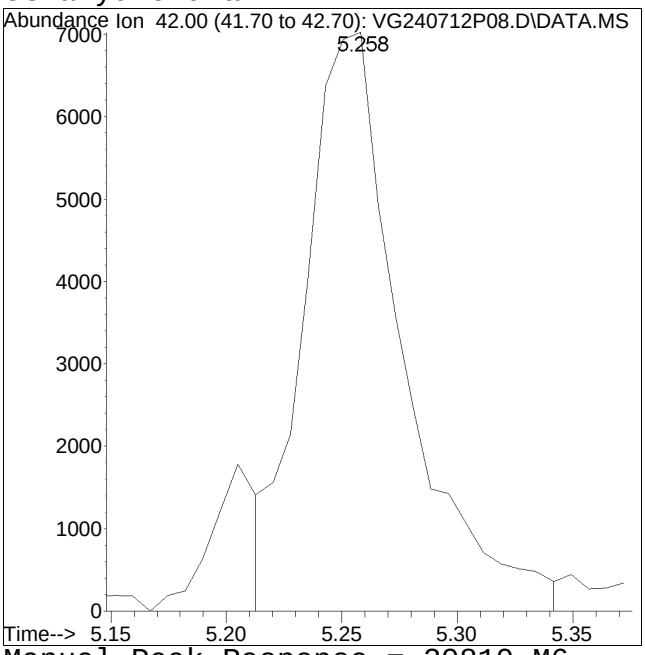
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P08.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 11:20 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/15/2024 9:37 am

Compound #35: Tetrahydrofuran



Original Peak Response = 23633



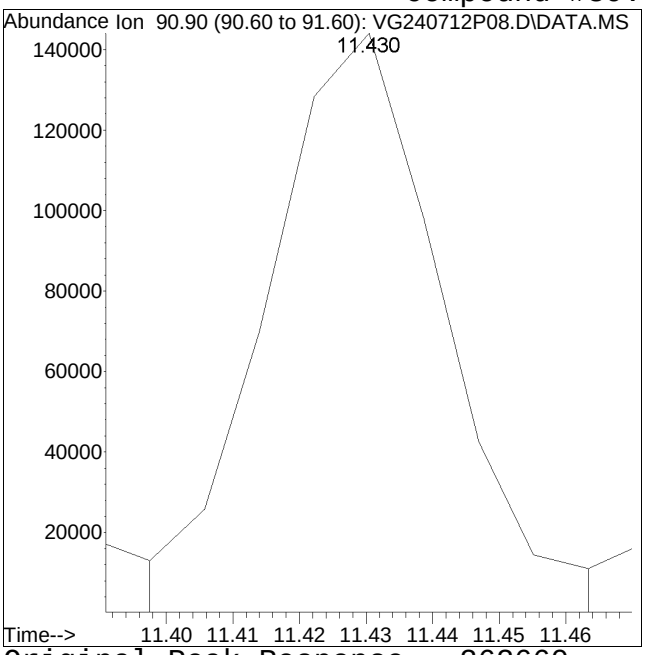
Manual Peak Response = 20810 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

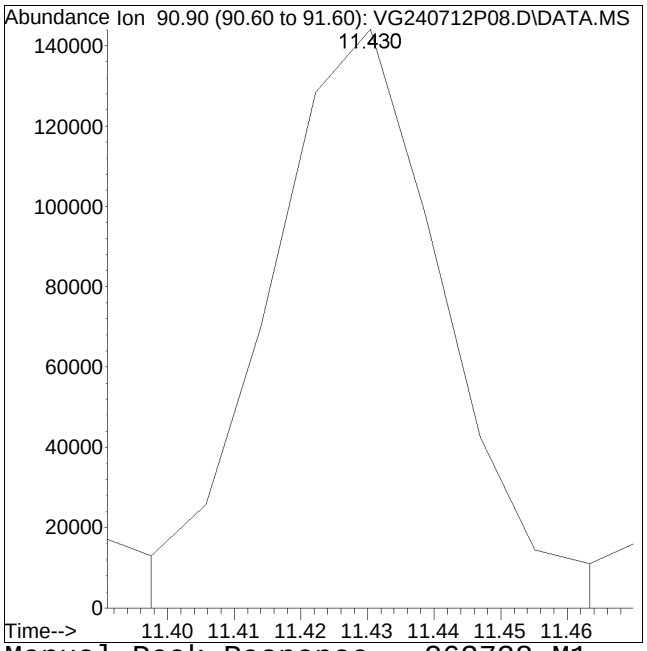
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P08.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 11:20 pm Instrument : Gonzo
Sample : I8260STD10PPB Quant Date : 7/15/2024 9:37 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 262660



Manual Peak Response = 263738 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P09.D
Acq On : 12 Jul 2024 11:44 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1947004,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 09:38:06 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	372719	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 105.20%			
59) Chlorobenzene-d5	9.629	117	299867	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 108.26%			
79) 1,4-Dichlorobenzene-d4	12.311	152	171304	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 107.04%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	96776	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
43) 1,2-Dichloroethane-d4	5.805	65	100020	9.671	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.71%			
60) Toluene-d8	7.779	98	374235	9.941	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.41%			
83) 4-Bromofluorobenzene	11.110	95	143682	10.042	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.42%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	324565	32.799	ug/L	99
3) Chloromethane	1.885	50	255836	30.224	ug/L	98
4) Vinyl chloride	1.946	62	286164	32.633	ug/L	99
5) Bromomethane	2.265	94	145483	29.379	ug/L	98
6) Chloroethane	2.364	64	212529	31.701	ug/L	97
7) Trichlorofluoromethane	2.516	101	427640	33.261	ug/L	99
8) Ethyl ether	2.812	74	127609	29.895	ug/L	94
10) 1,1-Dichloroethene	3.009	96	228092	32.351	ug/L	100
11) Carbon disulfide	3.047	76	628055	30.289	ug/L	99
12) Freon-113	3.047	101	252957	32.698	ug/L	93
13) Iodomethane	3.154	142	427847	33.492	ug/L	99
14) Acrolein	3.336	56	35475	29.258	ug/L	98
15) Methylene chloride	3.572	84	244841	29.371	ug/L	95
17) Acetone	3.617	43	57477	23.208	ug/L	94
18) trans-1,2-Dichloroethene	3.724	96	239932	31.110	ug/L	99
19) Methyl acetate	3.731	43	119708	21.594	ug/L	99
20) Methyl tert-butyl ether	3.815	73	728561	30.722	ug/L	98
21) tert-Butyl alcohol	3.906	59	100969	153.451	ug/L	92
22) Diisopropyl ether	4.172	45	763008	31.502	ug/L	99
23) 1,1-Dichloroethane	4.308	63	432018	30.924	ug/L	98
24) Halothane	4.362	117	200927	31.366	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P09.D
Acq On : 12 Jul 2024 11:44 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1947004,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 09:38:06 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.362	53	65880	30.239	ug/L		96
26) Ethyl tert-butyl ether	4.521	59	742121	31.145	ug/L		97
27) Vinyl acetate	4.544	43	427564	33.028	ug/L		100
28) cis-1,2-Dichloroethene	4.833	96	274947	31.004	ug/L		96
29) 2,2-Dichloropropane	4.931	77	357399	30.684	ug/L		93
30) Bromochloromethane	5.030	128	132953	30.643	ug/L		96
31) Cyclohexane	5.023	56	447301	33.755	ug/L		86
32) Chloroform	5.099	83	438380	30.654	ug/L		97
33) Ethyl acetate	5.205	43	195972	30.951	ug/L		98
34) Carbon tetrachloride	5.228	117	386449	33.343	ug/L		98
35) Tetrahydrofuran	5.251	42	62108M6	26.946	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	421180	31.934	ug/L		99
39) 2-Butanone	5.387	43	85414	31.596	ug/L	#	82
40) 1,1-Dichloropropene	5.418	75	348555	33.056	ug/L		99
41) Benzene	5.668	78	1025888	32.129	ug/L		98
42) tert-Amyl methyl ether	5.767	73	676608	31.030	ug/L		99
44) 1,2-Dichloroethane	5.873	62	311218	30.582	ug/L		99
47) Methyl cyclohexane	6.246	83	429499	34.614	ug/L		92
48) Trichloroethene	6.261	95	282627	31.388	ug/L		100
50) Dibromomethane	6.709	93	152501	30.278	ug/L		99
51) 1,2-Dichloropropane	6.808	63	244606	31.396	ug/L		100
53) 2-Chloroethyl vinyl ether	7.507	63	151030	32.039	ug/L		94
54) Bromodichloromethane	6.884	83	350592	30.827	ug/L		99
57) 1,4-Dioxane	7.099	88	47572	600.274	ug/L		98
58) cis-1,3-Dichloropropene	7.571	75	391518	30.782	ug/L		98
61) Toluene	7.836	92	643877	30.895	ug/L		98
62) 4-Methyl-2-pentanone	8.273	58	72792	31.680	ug/L		97
63) Tetrachloroethene	8.281	166	291708	31.888	ug/L		98
65) trans-1,3-Dichloropropene	8.323	75	349573	30.639	ug/L		94
67) Ethyl methacrylate	8.503	69	297496	31.011	ug/L		97
68) 1,1,2-Trichloroethane	8.517	83	173270	30.299	ug/L		100
69) Chlorodibromomethane	8.725	129	280060	30.975	ug/L		99
70) 1,3-Dichloropropane	8.839	76	346843	30.432	ug/L		99
71) 1,2-Dibromoethane	9.004	107	218120	30.069	ug/L		99
72) 2-Hexanone	9.283	43	132929	31.195	ug/L		97
73) Chlorobenzene	9.645	112	710577	30.594	ug/L		100
74) Ethylbenzene	9.678	91	1233930	31.011	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.736	131	272925	31.575	ug/L		99
76) p/m Xylene	9.867	106	979290	62.247	ug/L		98
77) o Xylene	10.402	106	944700	61.989	ug/L		100

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P09.D
Acq On : 12 Jul 2024 11:44 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1947004,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 09:38:06 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.476	104	1602988	62.069	ug/L		99
80)	Bromoform	10.509	173	189180	31.172	ug/L		99
82)	Isopropylbenzene	10.781	105	1234887	32.221	ug/L		100
84)	Bromobenzene	11.225	156	327754	30.934	ug/L		99
85)	n-Propylbenzene	11.258	91	1413029	31.652	ug/L		100
86)	1,4-Dichlorobutane	11.282	55	364471	29.647	ug/L		99
87)	1,1,2,2-Tetrachloroethane	11.356	83	260616	30.598	ug/L		98
88)	4-Ethyltoluene	11.381	105	1182608	31.688	ug/L		100
89)	2-Chlorotoluene	11.430	91	836860M1	30.566	ug/L		
90)	1,3,5-Trimethylbenzene	11.480	105	1035689	31.350	ug/L		100
91)	1,2,3-Trichloropropane	11.496	75	209842	29.459	ug/L		97
92)	trans-1,4-Dichloro-2-b...	11.546	53	58880	30.149	ug/L	#	93
93)	4-Chlorotoluene	11.611	91	870420	30.882	ug/L		98
94)	tert-Butylbenzene	11.817	119	863614	32.343	ug/L		99
97)	1,2,4-Trimethylbenzene	11.899	105	1022060	31.402	ug/L		100
98)	sec-Butylbenzene	12.006	105	1219756	32.115	ug/L		99
99)	p-Isopropyltoluene	12.154	119	1060162	32.155	ug/L		99
100)	1,3-Dichlorobenzene	12.237	146	608789	31.274	ug/L		99
101)	1,4-Dichlorobenzene	12.327	146	617006	30.775	ug/L		100
102)	p-Diethylbenzene	12.533	119	609843	32.201	ug/L		99
103)	n-Butylbenzene	12.590	91	836761	32.095	ug/L		99
104)	1,2-Dichlorobenzene	12.747	146	580058	31.240	ug/L		99
105)	1,2,4,5-Tetramethylben...	13.322	119	887011	31.289	ug/L		98
106)	1,2-Dibromo-3-chloropr...	13.528	155	49106	31.084	ug/L		99
107)	1,3,5-Trichlorobenzene	13.553	180	389689	31.884	ug/L		99
108)	Hexachlorobutadiene	14.120	225	111654	32.606	ug/L		99
109)	1,2,4-Trichlorobenzene	14.153	180	342320	32.345	ug/L		98
110)	Naphthalene	14.441	128	733269	30.865	ug/L		100
111)	1,2,3-Trichlorobenzene	14.614	180	277050	31.481	ug/L		99

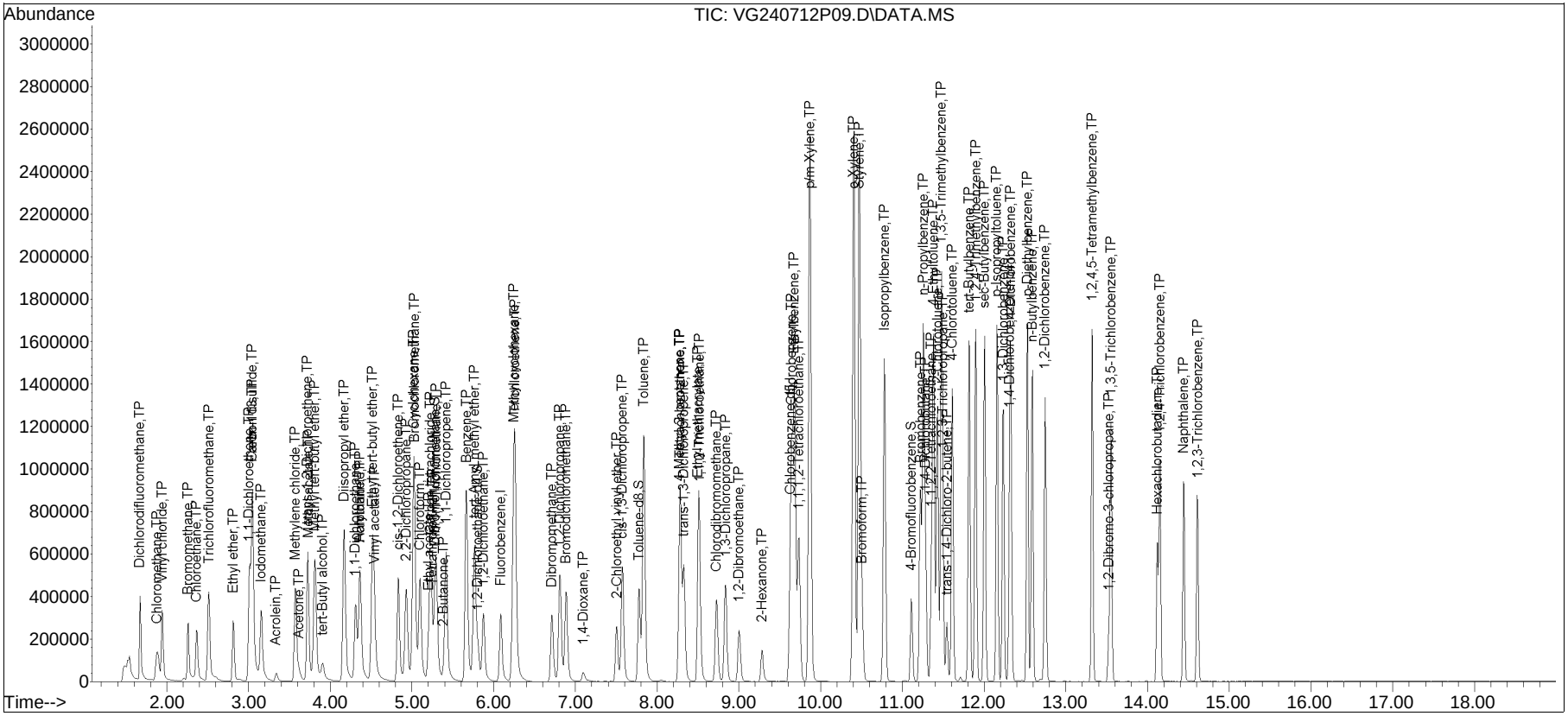
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P09.D
Acq On : 12 Jul 2024 11:44 pm
Operator : GONZO:PID
Sample : I8260STD30PPB
Misc : WG1947004,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 09:38:06 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

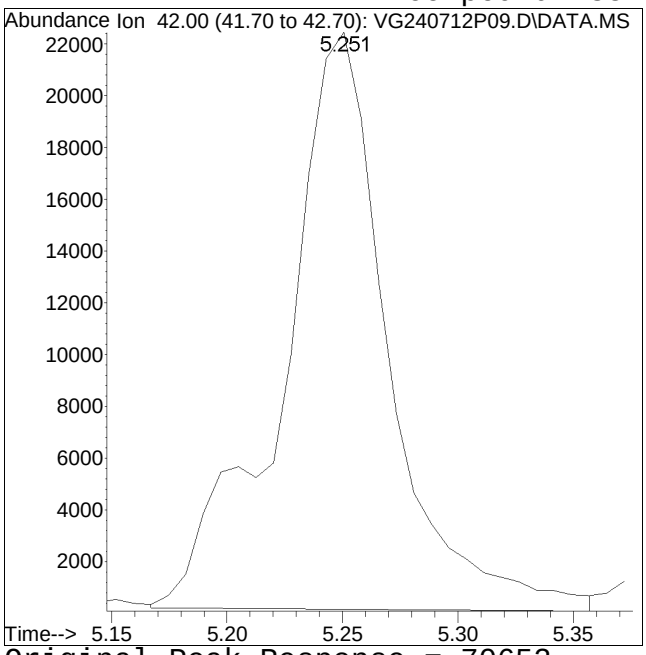
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



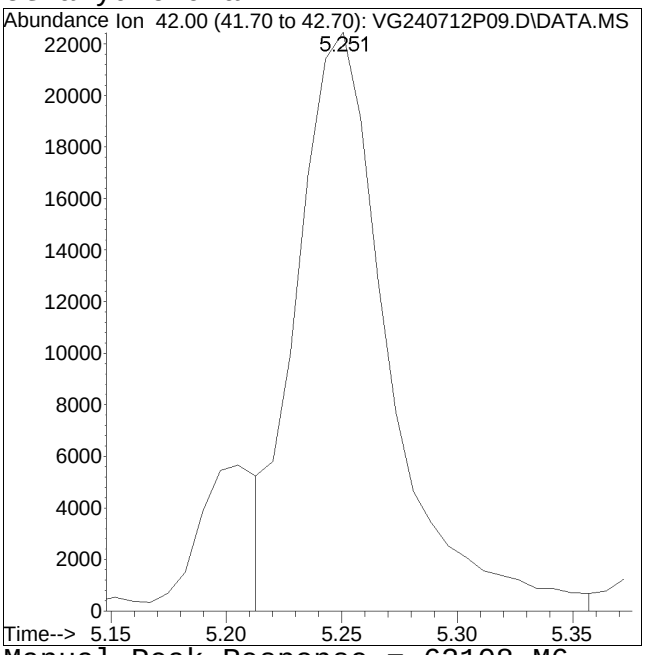
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P09.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 11:44 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/15/2024 9:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 70652



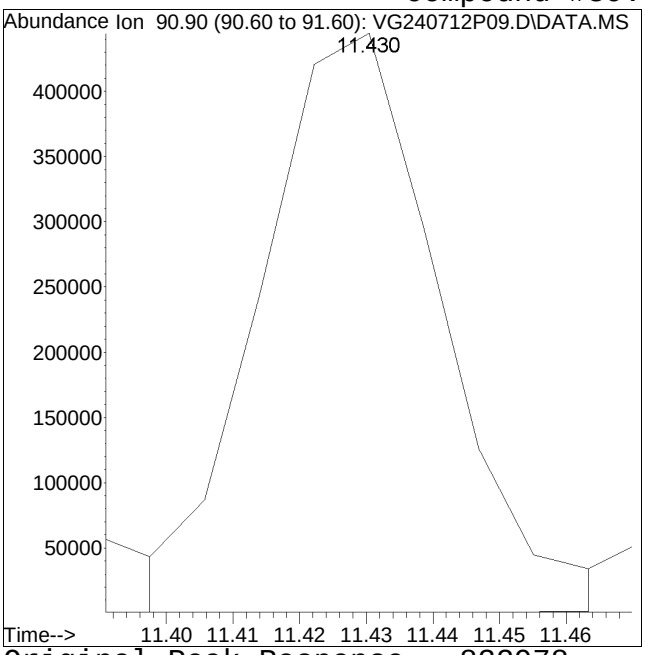
Manual Peak Response = 62108 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

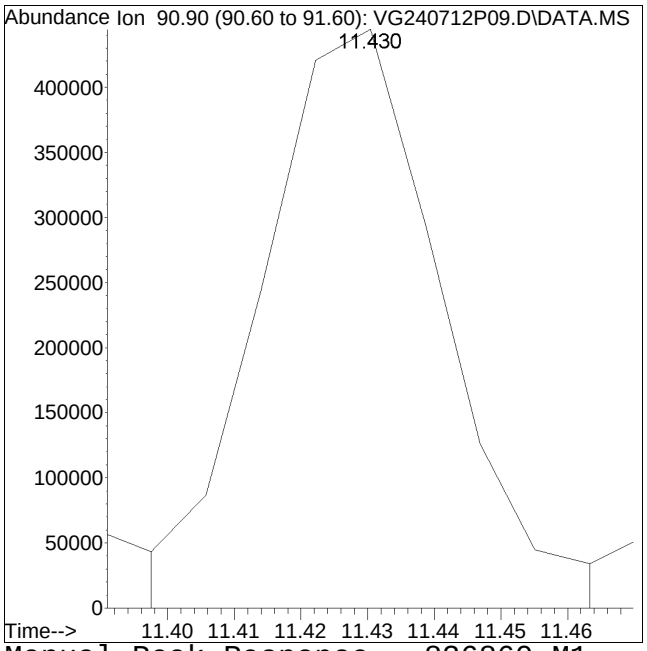
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P09.D Operator : GONZO:PID
Date Inj'd : 7/12/2024 11:44 pm Instrument : Gonzo
Sample : I8260STD30PPB Quant Date : 7/15/2024 9:38 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 832978



Manual Peak Response = 836860 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P10.D
Acq On : 13 Jul 2024 12:09 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1947004,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 09:38:15 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	383032	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 108.11%			
59) Chlorobenzene-d5	9.629	117	309567	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 111.76%			
79) 1,4-Dichlorobenzene-d4	12.311	152	180694	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 112.91%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	98748	9.870	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%			
43) 1,2-Dichloroethane-d4	5.805	65	104156	9.800	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.00%			
60) Toluene-d8	7.779	98	385574	9.921	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.21%			
83) 4-Bromofluorobenzene	11.110	95	147049	9.744	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	862472	84.810	ug/L	99
3) Chloromethane	1.885	50	695432	79.945	ug/L	99
4) Vinyl chloride	1.946	62	769310	85.366	ug/L	99
5) Bromomethane	2.265	94	463493	91.078	ug/L	99
6) Chloroethane	2.364	64	587477	85.270	ug/L	97
7) Trichlorofluoromethane	2.516	101	1150188	87.052	ug/L	99
8) Ethyl ether	2.812	74	359838	82.030	ug/L	92
10) 1,1-Dichloroethene	3.017	96	620430	85.628	ug/L	98
11) Carbon disulfide	3.047	76	1778961	83.483	ug/L	100
12) Freon-113	3.047	101	687108	86.425	ug/L	88
13) Iodomethane	3.154	142	1245768	94.893	ug/L	99
14) Acrolein	3.336	56	105198	84.427	ug/L	96
15) Methylene chloride	3.572	84	683427	79.776	ug/L	96
17) Acetone	3.617	43	152239	59.817	ug/L	91
18) trans-1,2-Dichloroethene	3.724	96	670424	84.588	ug/L	98
19) Methyl acetate	3.731	43	338259	59.375	ug/L	98
20) Methyl tert-butyl ether	3.815	73	2058933	84.483	ug/L	98
21) tert-Butyl alcohol	3.906	59	289665	428.375	ug/L	92
22) Diisopropyl ether	4.172	45	2152115	86.462	ug/L	98
23) 1,1-Dichloroethane	4.309	63	1211459	84.382	ug/L	99
24) Halothane	4.362	117	557588	84.699	ug/L	99

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P10.D
Acq On : 13 Jul 2024 12:09 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1947004,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 09:38:15 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.362	53	193173	86.281	ug/L		92
26) Ethyl tert-butyl ether	4.521	59	2105888	86.000	ug/L		95
27) Vinyl acetate	4.544	43	1140924	85.760	ug/L		99
28) cis-1,2-Dichloroethene	4.833	96	758949	83.276	ug/L		97
29) 2,2-Dichloropropane	4.932	77	993680	83.013	ug/L		93
30) Bromochloromethane	5.030	128	369889	82.957	ug/L		96
31) Cyclohexane	5.023	56	1178107	86.511	ug/L		87
32) Chloroform	5.099	83	1240690	84.421	ug/L		99
33) Ethyl acetate	5.197	43	548149	84.242	ug/L		97
34) Carbon tetrachloride	5.228	117	1052509	88.367	ug/L		99
35) Tetrahydrofuran	5.243	42	168967M6	71.334	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	1154438	85.173	ug/L		99
39) 2-Butanone	5.387	43	245796	88.475	ug/L	#	84
40) 1,1-Dichloropropene	5.418	75	934892	86.276	ug/L		98
41) Benzene	5.661	78	2809967	85.633	ug/L		98
42) tert-Amyl methyl ether	5.767	73	1903739	84.957	ug/L		99
44) 1,2-Dichloroethane	5.874	62	854820	81.737	ug/L		100
47) Methyl cyclohexane	6.246	83	1114480	87.400	ug/L		93
48) Trichloroethene	6.261	95	767225	82.914	ug/L		99
50) Dibromomethane	6.709	93	420450	81.230	ug/L		99
51) 1,2-Dichloropropane	6.808	63	676967	84.551	ug/L		100
53) 2-Chloroethyl vinyl ether	7.500	63	427961	88.342	ug/L		95
54) Bromodichloromethane	6.884	83	983509	84.151	ug/L		99
57) 1,4-Dioxane	7.099	88	63356	777.915	ug/L		97
58) cis-1,3-Dichloropropene	7.571	75	1100773	84.214	ug/L		99
61) Toluene	7.837	92	1782574	82.854	ug/L		99
62) 4-Methyl-2-pentanone	8.273	58	204922	86.389	ug/L		99
63) Tetrachloroethene	8.281	166	795917	84.279	ug/L		98
65) trans-1,3-Dichloropropene	8.324	75	999200	84.834	ug/L		94
67) Ethyl methacrylate	8.503	69	841792	85.000	ug/L		96
68) 1,1,2-Trichloroethane	8.510	83	491058	83.179	ug/L		100
69) Chlorodibromomethane	8.725	129	792845	84.941	ug/L		99
70) 1,3-Dichloropropane	8.832	76	971521	82.571	ug/L		99
71) 1,2-Dibromoethane	9.004	107	620246	82.824	ug/L		100
72) 2-Hexanone	9.276	43	360048	81.847	ug/L		99
73) Chlorobenzene	9.645	112	1983776	82.737	ug/L		100
74) Ethylbenzene	9.678	91	3439373	83.730	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.736	131	766504	85.899	ug/L		99
76) p/m Xylene	9.868	106	2742934	168.888	ug/L		97
77) o Xylene	10.402	106	2624144	166.795	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P10.D
Acq On : 13 Jul 2024 12:09 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1947004,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 09:38:15 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.476	104	4557406	170.938	ug/L		98
80) Bromoform	10.509	173	537544	83.970	ug/L		99
82) Isopropylbenzene	10.781	105	3387062	83.782	ug/L		100
84) Bromobenzene	11.217	156	908955	81.331	ug/L		99
85) n-Propylbenzene	11.258	91	3908848	83.007	ug/L		100
86) 1,4-Dichlorobutane	11.282	55	1024805	79.028	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.356	83	717844	79.901	ug/L		99
88) 4-Ethyltoluene	11.381	105	3267391	83.000	ug/L		100
89) 2-Chlorotoluene	11.431	91	2329687M1	80.670	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	2857961	82.014	ug/L		99
91) 1,2,3-Trichloropropane	11.488	75	587774	78.227	ug/L		97
92) trans-1,4-Dichloro-2-b...	11.546	53	183515	89.085	ug/L	#	91
93) 4-Chlorotoluene	11.611	91	2443388	82.184	ug/L		99
94) tert-Butylbenzene	11.817	119	2357887	83.717	ug/L		99
97) 1,2,4-Trimethylbenzene	11.899	105	2833212	82.526	ug/L		99
98) sec-Butylbenzene	12.006	105	3339056	83.345	ug/L		99
99) p-Isopropyltoluene	12.163	119	2925150	84.109	ug/L		99
100) 1,3-Dichlorobenzene	12.237	146	1672782	81.466	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	1703845	80.567	ug/L		100
102) p-Diethylbenzene	12.533	119	1686786	84.438	ug/L		99
103) n-Butylbenzene	12.590	91	2311763	84.062	ug/L		99
104) 1,2-Dichlorobenzene	12.747	146	1601713	81.780	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.323	119	2542605	85.027	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.528	155	137995	82.813	ug/L		96
107) 1,3,5-Trichlorobenzene	13.553	180	1084044	84.085	ug/L		99
108) Hexachlorobutadiene	14.121	225	314745	87.137	ug/L		99
109) 1,2,4-Trichlorobenzene	14.145	180	965002	86.441	ug/L		99
110) Naphthalene	14.441	128	2082405	83.098	ug/L		100
111) 1,2,3-Trichlorobenzene	14.606	180	789706	85.070	ug/L		99

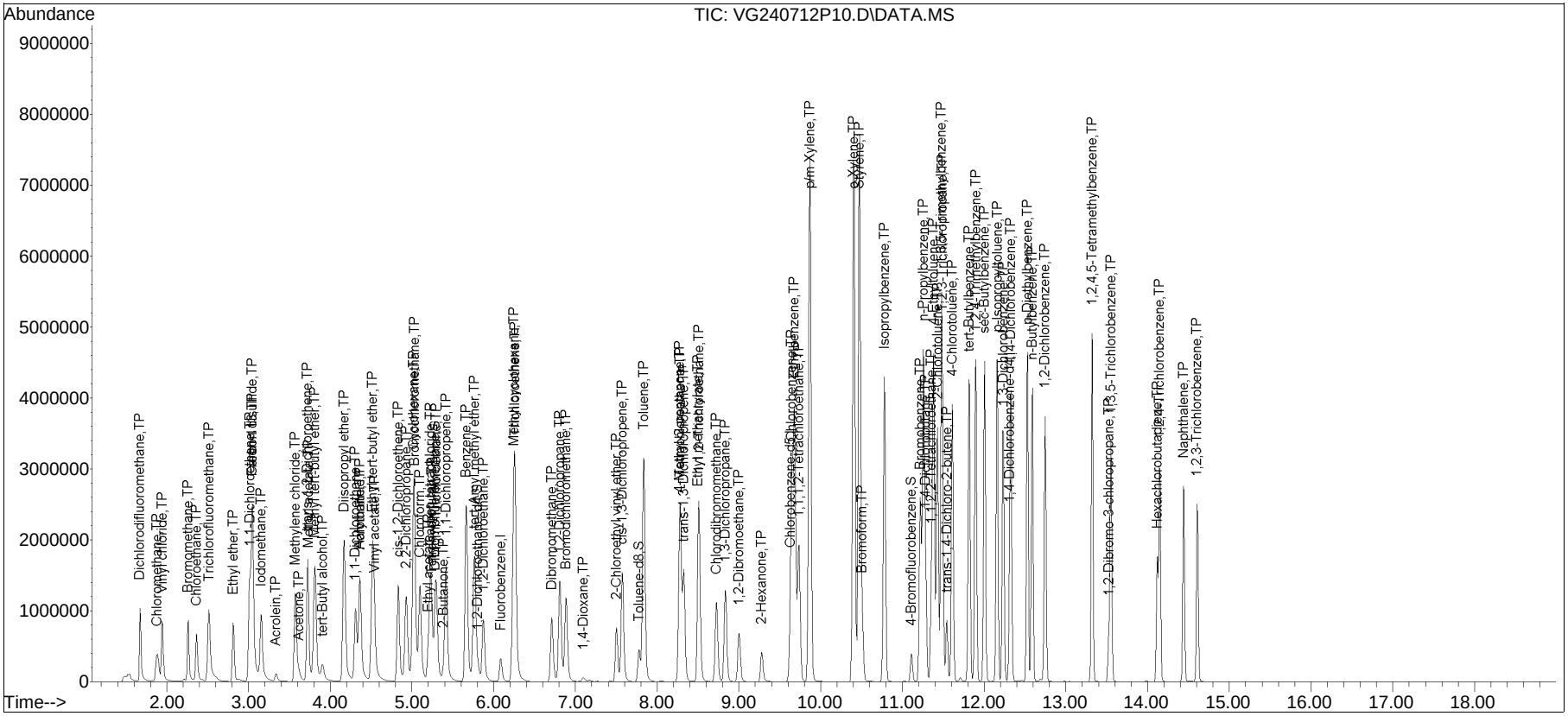
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P10.D
Acq On : 13 Jul 2024 12:09 am
Operator : GONZO:PID
Sample : I8260STD80PPB
Misc : WG1947004,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 15 09:38:15 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

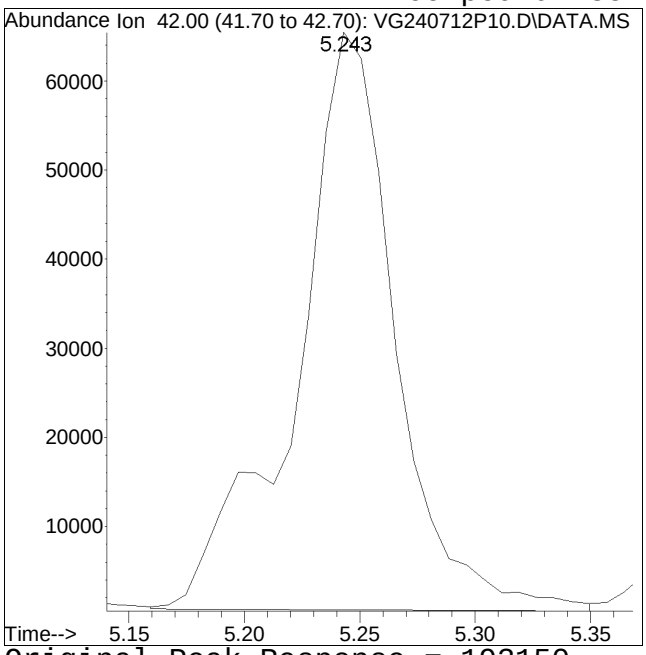
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



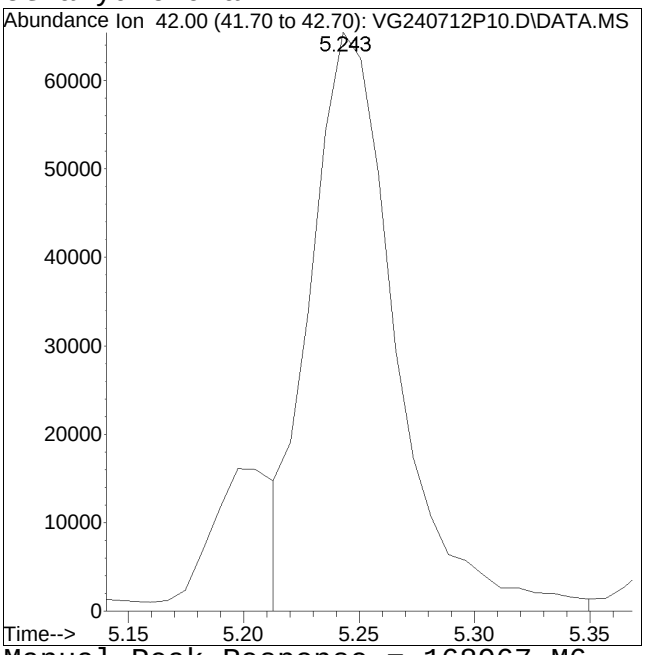
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P10.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:09 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/15/2024 9:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 193150



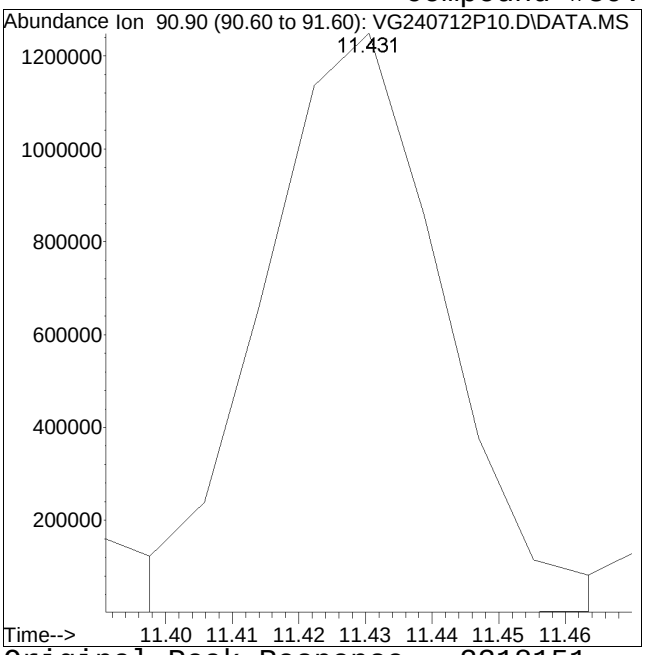
Manual Peak Response = 168967 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

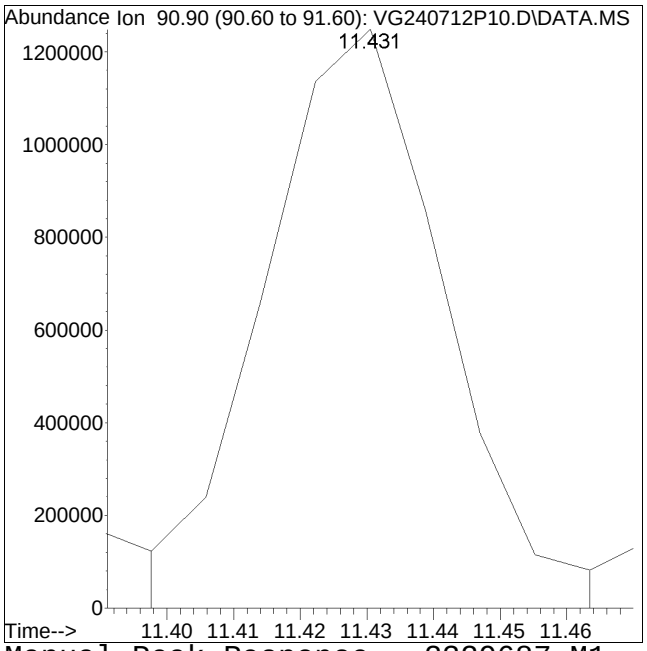
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P10.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:09 am Instrument : Gonzo
Sample : I8260STD80PPB Quant Date : 7/15/2024 9:38 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2318151



Manual Peak Response = 2329687 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P11.D
Acq On : 13 Jul 2024 12:32 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1947004,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 09:38:24 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	377936	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 106.67%			
59) Chlorobenzene-d5	9.629	117	302217	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 109.11%			
79) 1,4-Dichlorobenzene-d4	12.310	152	171302	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 107.04%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	97723	9.900	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.00%			
43) 1,2-Dichloroethane-d4	5.805	65	99788	9.516	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.16%			
60) Toluene-d8	7.779	98	380044	10.017	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.17%			
83) 4-Bromofluorobenzene	11.109	95	144339	10.088	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	1059142	105.554	ug/L	99
3) Chloromethane	1.885	50	862812	100.524	ug/L	99
4) Vinyl chloride	1.946	62	958158	107.755	ug/L	98
5) Bromomethane	2.265	94	615199	122.518	ug/L	99
6) Chloroethane	2.363	64	727175	106.969	ug/L	96
7) Trichlorofluoromethane	2.515	101	1442684	110.661	ug/L	99
8) Ethyl ether	2.812	74	451593	104.335	ug/L	95
10) 1,1-Dichloroethene	3.017	96	780991	109.241	ug/L	98
11) Carbon disulfide	3.047	76	2282406	108.553	ug/L	100
12) Freon-113	3.047	101	852944	108.731	ug/L	84
13) Iodomethane	3.154	142	1509994	116.571	ug/L	99
14) Acrolein	3.336	56	133657	108.713	ug/L	98
15) Methylene chloride	3.571	84	841960	99.606	ug/L	96
17) Acetone	3.609	43	189682	75.534	ug/L	91
18) trans-1,2-Dichloroethene	3.723	96	827161	105.771	ug/L	97
19) Methyl acetate	3.731	43	419216	74.578	ug/L	98
20) Methyl tert-butyl ether	3.815	73	2534557	105.401	ug/L	98
21) tert-Butyl alcohol	3.906	59	357581	535.944	ug/L	98
22) Diisopropyl ether	4.172	45	2637814	107.404	ug/L	98
23) 1,1-Dichloroethane	4.308	63	1500414	105.918	ug/L	99
24) Halothane	4.362	117	695872	107.130	ug/L	99

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P11.D
Acq On : 13 Jul 2024 12:32 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1947004,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 09:38:24 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.362	53	238475	107.951	ug/L		94
26) Ethyl tert-butyl ether	4.521	59	2583270	106.918	ug/L		98
27) Vinyl acetate	4.536	43	1528446	116.437	ug/L		99
28) cis-1,2-Dichloroethene	4.833	96	942272	104.786	ug/L		97
29) 2,2-Dichloropropane	4.931	77	1208765	102.343	ug/L		93
30) Bromochloromethane	5.030	128	453303	103.036	ug/L		96
31) Cyclohexane	5.022	56	1457858	108.497	ug/L		93
32) Chloroform	5.098	83	1500849	103.500	ug/L		99
33) Ethyl acetate	5.197	43	678282	105.648	ug/L		98
34) Carbon tetrachloride	5.228	117	1303399	110.907	ug/L		99
35) Tetrahydrofuran	5.243	42	210002M6	89.854	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	1425900	106.619	ug/L		99
39) 2-Butanone	5.387	43	304291	111.007	ug/L	#	84
40) 1,1-Dichloropropene	5.418	75	1162603	108.736	ug/L		98
41) Benzene	5.661	78	3481925	107.541	ug/L		98
42) tert-Amyl methyl ether	5.767	73	2351567	106.357	ug/L		99
44) 1,2-Dichloroethane	5.873	62	1047471	101.509	ug/L		99
47) Methyl cyclohexane	6.246	83	1366320	108.595	ug/L		93
48) Trichloroethene	6.261	95	937809	102.715	ug/L		99
50) Dibromomethane	6.709	93	516891	101.209	ug/L		99
51) 1,2-Dichloropropane	6.808	63	828576	104.882	ug/L		100
53) 2-Chloroethyl vinyl ether	7.500	63	529545	110.785	ug/L		95
54) Bromodichloromethane	6.884	83	1197815	103.869	ug/L		99
57) 1,4-Dioxane	7.098	88	99538	1238.654	ug/L		95
58) cis-1,3-Dichloropropene	7.571	75	1366954	105.988	ug/L		99
61) Toluene	7.836	92	2196660	104.584	ug/L		98
62) 4-Methyl-2-pentanone	8.273	58	254155	109.750	ug/L		99
63) Tetrachloroethene	8.280	166	995011	107.923	ug/L		98
65) trans-1,3-Dichloropropene	8.323	75	1235583	107.454	ug/L		94
67) Ethyl methacrylate	8.502	69	1039952	107.563	ug/L		97
68) 1,1,2-Trichloroethane	8.517	83	600812	104.245	ug/L		100
69) Chlorodibromomethane	8.725	129	979830	107.526	ug/L		99
70) 1,3-Dichloropropane	8.839	76	1186604	103.304	ug/L		99
71) 1,2-Dibromoethane	9.004	107	764085	104.513	ug/L		100
72) 2-Hexanone	9.276	43	446306	103.922	ug/L		99
73) Chlorobenzene	9.645	112	2439959	104.237	ug/L		100
74) Ethylbenzene	9.678	91	4271202	106.509	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.736	131	936936	107.553	ug/L		99
76) p/m Xylene	9.867	106	3391427	213.896	ug/L		97
77) o Xylene	10.410	106	3236266	210.706	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P11.D
Acq On : 13 Jul 2024 12:32 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1947004,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 09:38:24 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.476	104	5649135	217.039	ug/L		97
80) Bromoform	10.509	173	668617	110.172	ug/L		100
82) Isopropylbenzene	10.780	105	4226170	110.270	ug/L		100
84) Bromobenzene	11.225	156	1112838	105.033	ug/L		99
85) n-Propylbenzene	11.258	91	4862561	108.922	ug/L		100
86) 1,4-Dichlorobutane	11.282	55	1270210	103.323	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.356	83	911294	106.994	ug/L		99
88) 4-Ethyltoluene	11.381	105	4073585	109.153	ug/L		100
89) 2-Chlorotoluene	11.430	91	2905702M1	106.132	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	3542742	107.239	ug/L		99
91) 1,2,3-Trichloropropane	11.496	75	733961	103.039	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.545	53	236928	121.319	ug/L	#	93
93) 4-Chlorotoluene	11.611	91	3021687	107.208	ug/L		99
94) tert-Butylbenzene	11.817	119	2900762	108.639	ug/L		98
97) 1,2,4-Trimethylbenzene	11.899	105	3524887	108.302	ug/L		99
98) sec-Butylbenzene	12.006	105	4140838	109.025	ug/L		100
99) p-Isopropyltoluene	12.162	119	3619561	109.782	ug/L		99
100) 1,3-Dichlorobenzene	12.236	146	2067463	106.208	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	2108277	105.157	ug/L		100
102) p-Diethylbenzene	12.533	119	2075192	109.577	ug/L		98
103) n-Butylbenzene	12.590	91	2895891	111.076	ug/L		99
104) 1,2-Dichlorobenzene	12.746	146	1963112	105.727	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.322	119	3140805	110.791	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.528	155	173972	110.127	ug/L		98
107) 1,3,5-Trichlorobenzene	13.553	180	1339414	109.590	ug/L		99
108) Hexachlorobutadiene	14.120	225	393823	115.008	ug/L		99
109) 1,2,4-Trichlorobenzene	14.153	180	1183732	111.848	ug/L		99
110) Naphthalene	14.441	128	2632511	110.809	ug/L		100
111) 1,2,3-Trichlorobenzene	14.614	180	980116	111.370	ug/L		99

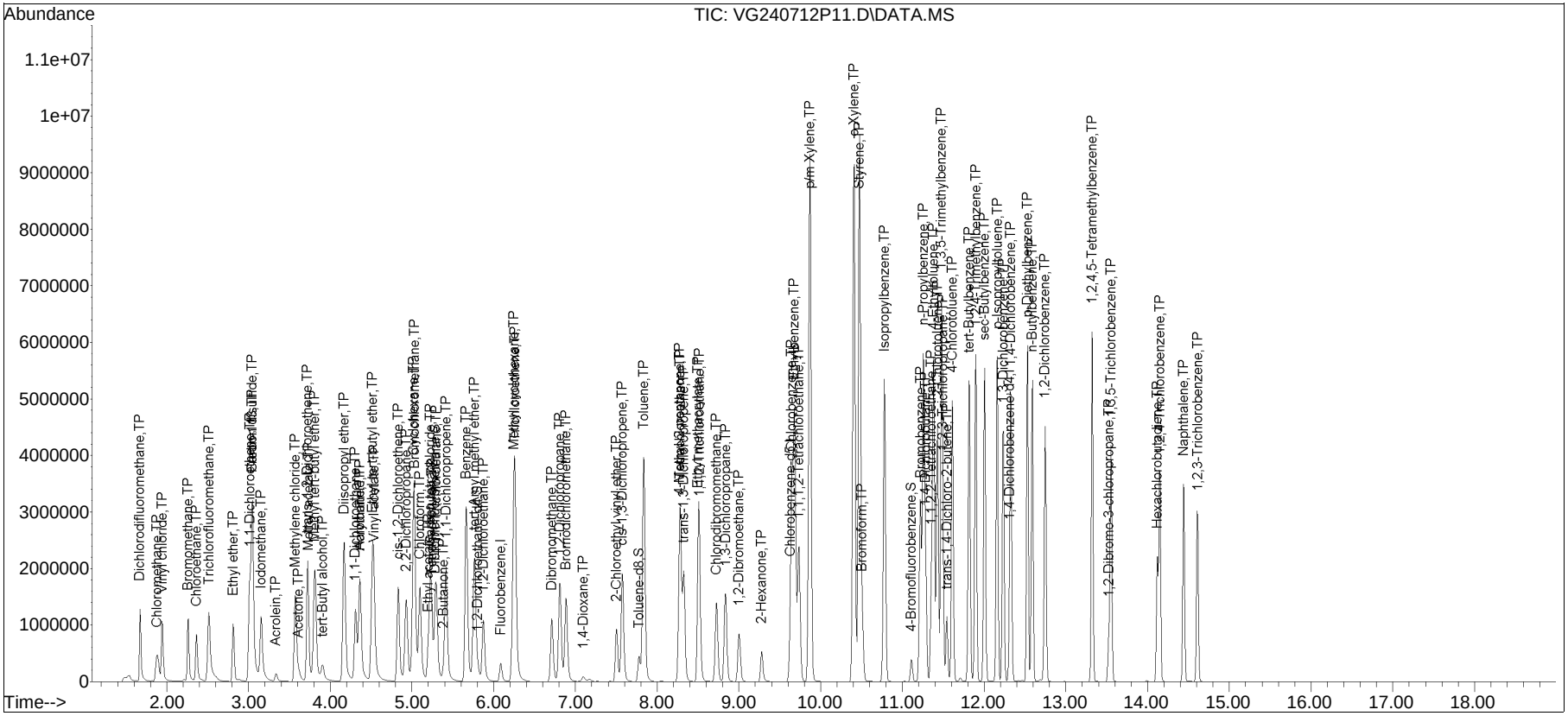
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P11.D
Acq On : 13 Jul 2024 12:32 am
Operator : GONZO:PID
Sample : I8260STD120PPB
Misc : WG1947004,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 15 09:38:24 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

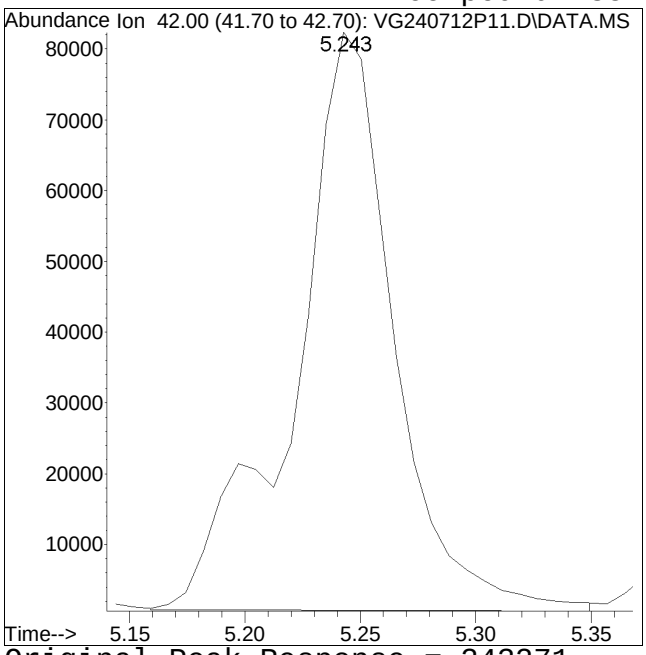
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



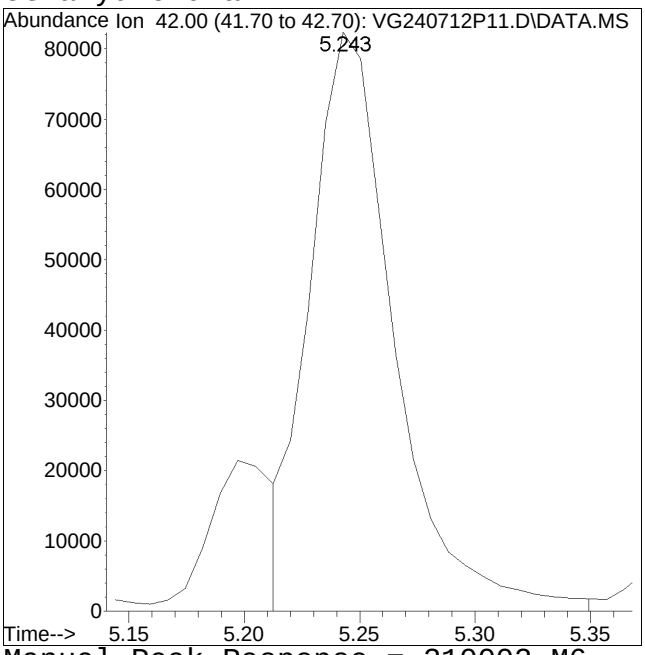
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P11.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:32 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/15/2024 9:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 243271



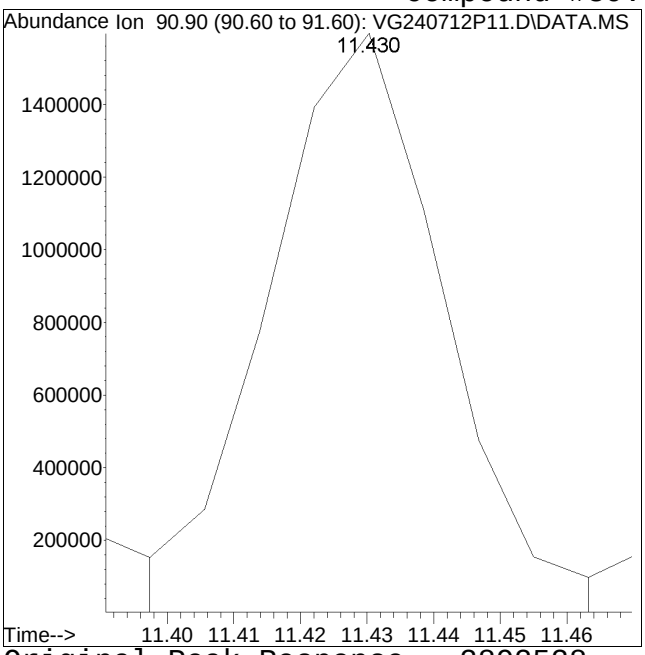
Manual Peak Response = 210002 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

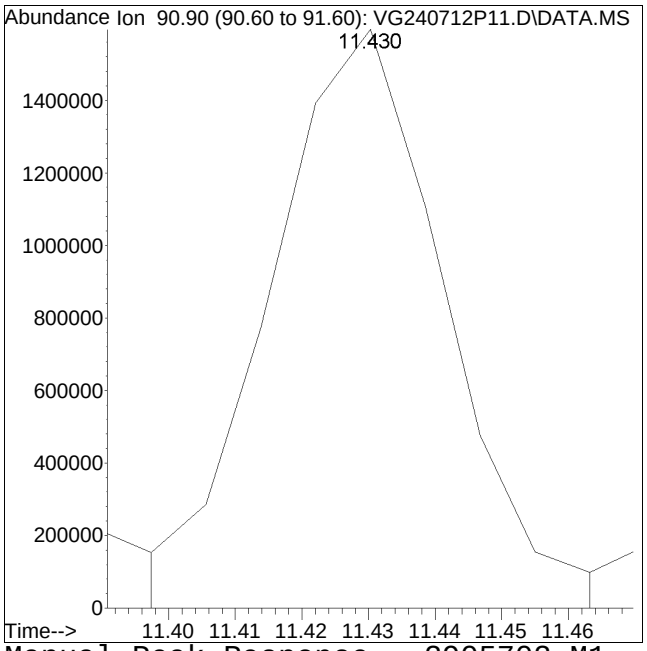
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P11.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:32 am Instrument : Gonzo
Sample : I8260STD120PPB Quant Date : 7/15/2024 9:38 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2892528



Manual Peak Response = 2905702 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P12.D
Acq On : 13 Jul 2024 12:56 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1947004,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 15 09:38:33 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	386380	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 109.05%			
59) Chlorobenzene-d5	9.629	117	319803	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 115.46%			
79) 1,4-Dichlorobenzene-d4	12.310	152	177767	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 111.08%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	101487	10.056	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.56%			
43) 1,2-Dichloroethane-d4	5.805	65	107518	10.029	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.29%			
60) Toluene-d8	7.779	98	393921	9.812	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.12%			
83) 4-Bromofluorobenzene	11.109	95	145700	9.813	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.13%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	2110199	205.706	ug/L	99
3) Chloromethane	1.885	50	1824456	207.918	ug/L	99
4) Vinyl chloride	1.938	62	2052905	225.825	ug/L	98
5) Bromomethane	2.257	94	1411260	274.914	ug/L	99
6) Chloroethane	2.356	64	1261279	181.483	ug/L	96
7) Trichlorofluoromethane	2.508	101	3044262	228.408	ug/L	99
8) Ethyl ether	2.812	74	960523	217.067	ug/L	93
10) 1,1-Dichloroethene	3.017	96	1669643	228.436	ug/L	98
11) Carbon disulfide	3.040	76	4976838	231.530	ug/L	100
12) Freon-113	3.040	101	1764003	219.955	ug/L #	77
13) Iodomethane	3.154	142	3250628	245.462	ug/L	99
14) Acrolein	3.336	56	275384	219.095	ug/L	100
15) Methylene chloride	3.571	84	1804030	208.757	ug/L	96
17) Acetone	3.609	43	405037	157.765	ug/L	91
18) trans-1,2-Dichloroethene	3.723	96	1804294	225.678	ug/L	98
19) Methyl acetate	3.723	43	890738	154.998	ug/L	98
20) Methyl tert-butyl ether	3.815	73	5470454	222.520	ug/L	98
21) tert-Butyl alcohol	3.906	59	773650	1134.209	ug/L	99
22) Diisopropyl ether	4.172	45	5672664	225.926	ug/L	99
23) 1,1-Dichloroethane	4.308	63	3171928	219.021	ug/L	99
24) Halothane	4.362	117	1480015	222.871	ug/L	100

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P12.D
Acq On : 13 Jul 2024 12:56 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1947004,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 15 09:38:33 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.362	53	515668	228.327	ug/L		92
26) Ethyl tert-butyl ether	4.521	59	5628078	227.848	ug/L		92
27) Vinyl acetate	4.536	43	2710445	201.970	ug/L		100
28) cis-1,2-Dichloroethene	4.833	96	2030006	220.814	ug/L		98
29) 2,2-Dichloropropane	4.931	77	2576116	213.347	ug/L		93
30) Bromochloromethane	5.030	128	951515	211.553	ug/L		95
31) Cyclohexane	5.022	56	2973713	216.474	ug/L		86
32) Chloroform	5.098	83	3289177	221.868	ug/L		98
33) Ethyl acetate	5.197	43	1440671	219.491	ug/L		98
34) Carbon tetrachloride	5.228	117	2749711	228.861	ug/L		99
35) Tetrahydrofuran	5.243	42	442965M6	185.389	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	3010744	220.203	ug/L		99
39) 2-Butanone	5.387	43	648512	231.411	ug/L	#	84
40) 1,1-Dichloropropene	5.418	75	2447948	223.949	ug/L		98
41) Benzene	5.661	78	7545706	227.960	ug/L		98
42) tert-Amyl methyl ether	5.767	73	5115122	226.291	ug/L		99
44) 1,2-Dichloroethane	5.873	62	2240678	212.396	ug/L		100
47) Methyl cyclohexane	6.246	83	2729273	212.181	ug/L		93
48) Trichloroethene	6.261	95	2082595	223.115	ug/L		100
50) Dibromomethane	6.709	93	1114091	213.376	ug/L		99
51) 1,2-Dichloropropane	6.808	63	1782489	220.698	ug/L		99
53) 2-Chloroethyl vinyl ether	7.507	63	1129499	231.137	ug/L		95
54) Bromodichloromethane	6.884	83	2581110	218.931	ug/L		99
57) 1,4-Dioxane	7.098	88	167499	2038.811	ug/L		97
58) cis-1,3-Dichloropropene	7.578	75	2956730	224.242	ug/L		99
61) Toluene	7.836	92	4720477	212.385	ug/L		97
62) 4-Methyl-2-pentanone	8.273	58	548428	223.801	ug/L		98
63) Tetrachloroethene	8.280	166	2104713	215.733	ug/L		98
65) trans-1,3-Dichloropropene	8.323	75	2692029	221.242	ug/L		94
67) Ethyl methacrylate	8.502	69	2287886	223.624	ug/L		96
68) 1,1,2-Trichloroethane	8.517	83	1320957	216.592	ug/L		99
69) Chlorodibromomethane	8.725	129	2119297	219.782	ug/L		99
70) 1,3-Dichloropropane	8.839	76	2577242	212.034	ug/L		99
71) 1,2-Dibromoethane	9.004	107	1644629	212.585	ug/L		99
72) 2-Hexanone	9.276	43	967153	212.818	ug/L		99
73) Chlorobenzene	9.653	112	5365625	216.619	ug/L		99
74) Ethylbenzene	9.686	91	9371930	220.852	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.736	131	2050168	222.401	ug/L		99
76) p/m Xylene	9.875	106	7591569	452.468	ug/L		95
77) o Xylene	10.410	106	7258699	446.609	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P12.D
Acq On : 13 Jul 2024 12:56 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1947004,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 15 09:38:33 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78) Styrene	10.476	104	12976391	471.137	ug/L		95
80) Bromoform	10.509	173	1449234	230.113	ug/L		99
82) Isopropylbenzene	10.780	105	9032081	227.096	ug/L		99
84) Bromobenzene	11.225	156	2359837	214.628	ug/L		99
85) n-Propylbenzene	11.258	91	10428370	225.101	ug/L		99
86) 1,4-Dichlorobutane	11.282	55	2757804	216.171	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.356	83	1883791	213.131	ug/L		99
88) 4-Ethyltoluene	11.389	105	8732627	225.484	ug/L		99
89) 2-Chlorotoluene	11.430	91	6326654M6	222.680	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	7755534	226.223	ug/L		98
91) 1,2,3-Trichloropropane	11.496	75	1607514	217.468	ug/L		98
92) trans-1,4-Dichloro-2-b...	11.545	53	530929	261.976	ug/L	#	93
93) 4-Chlorotoluene	11.611	91	6566691	224.509	ug/L		99
94) tert-Butylbenzene	11.817	119	6197300	223.659	ug/L		97
97) 1,2,4-Trimethylbenzene	11.899	105	7541150	223.275	ug/L		99
98) sec-Butylbenzene	12.006	105	8737521	221.687	ug/L		100
99) p-Isopropyltoluene	12.162	119	7760233	226.810	ug/L		98
100) 1,3-Dichlorobenzene	12.236	146	4426516	219.125	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	4502235	216.396	ug/L		99
102) p-Diethylbenzene	12.533	119	4494489	228.693	ug/L		98
103) n-Butylbenzene	12.590	91	6227543	230.178	ug/L		99
104) 1,2-Dichlorobenzene	12.746	146	4199734	217.959	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.322	119	6952315	236.321	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.528	155	371736	226.757	ug/L		97
107) 1,3,5-Trichlorobenzene	13.553	180	2775675	218.844	ug/L		99
108) Hexachlorobutadiene	14.120	225	832535	234.282	ug/L		99
109) 1,2,4-Trichlorobenzene	14.153	180	2424607	220.764	ug/L		99
110) Naphthalene	14.441	128	5539160	224.678	ug/L		100
111) 1,2,3-Trichlorobenzene	14.606	180	1954213	213.980	ug/L		98

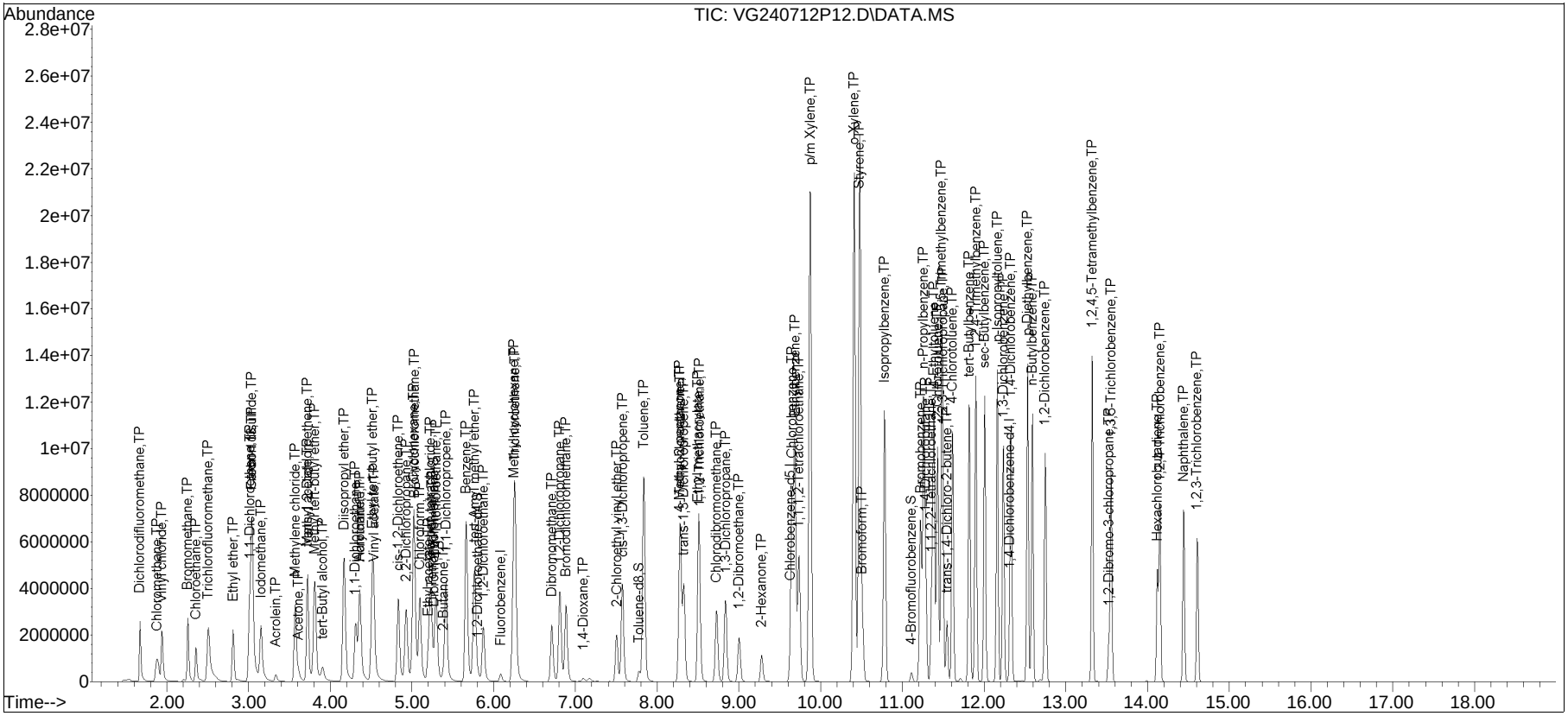
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P12.D
Acq On : 13 Jul 2024 12:56 am
Operator : GONZO:PID
Sample : I8260STD200PPB
Misc : WG1947004,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 15 09:38:33 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:36:56 2024
Response via : Initial Calibration

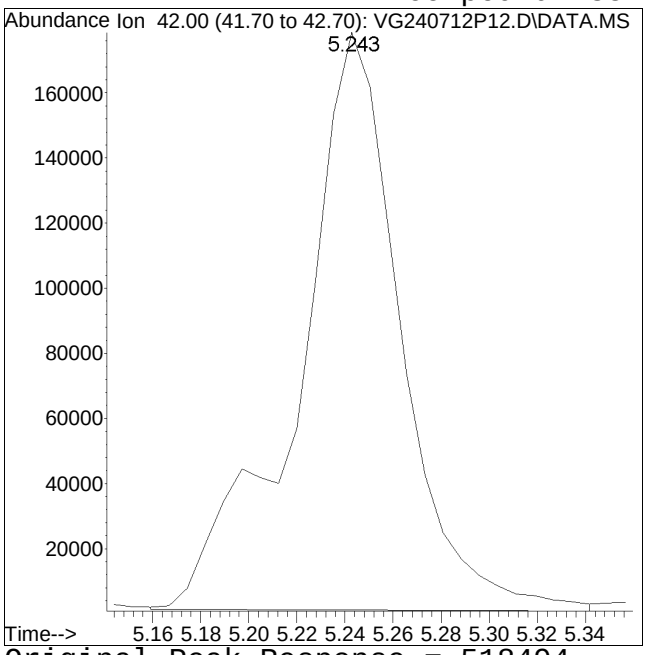
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



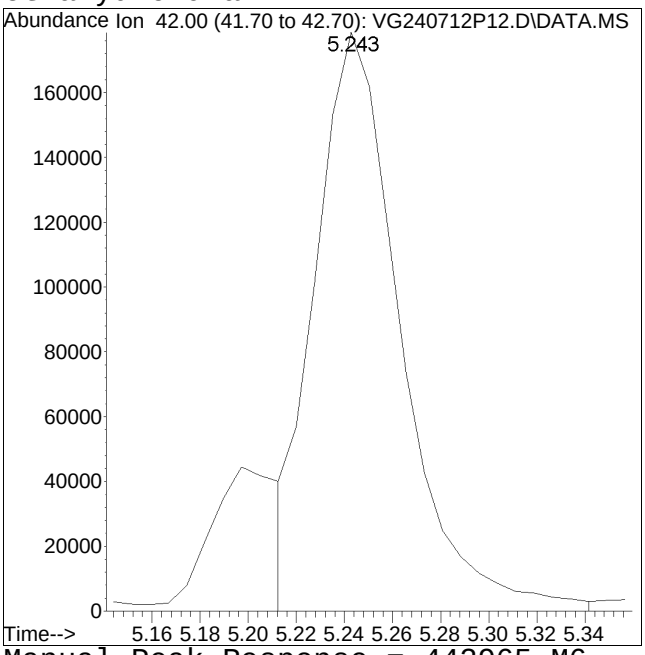
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P12.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:56 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/15/2024 9:38 am

Compound #35: Tetrahydrofuran



Original Peak Response = 518494



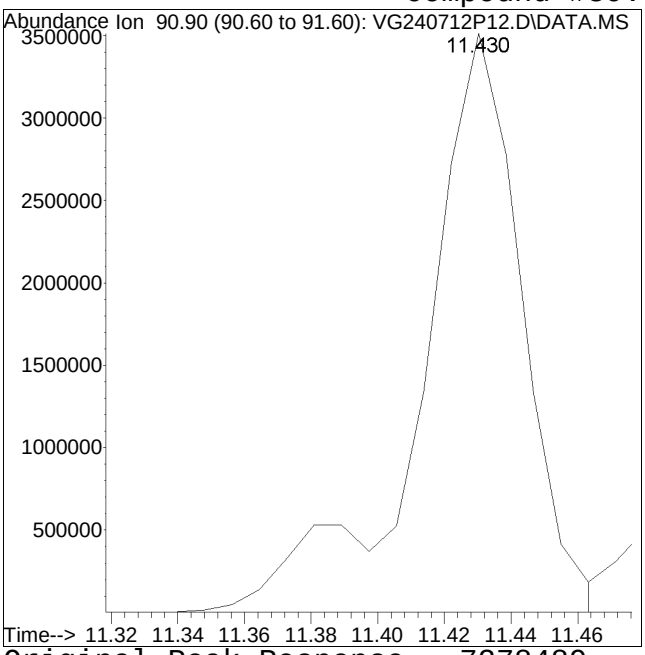
Manual Peak Response = 442965 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

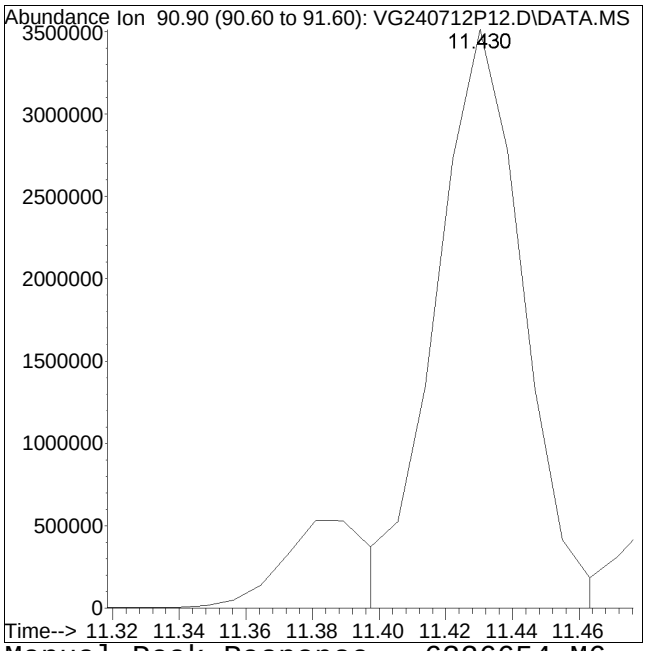
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P12.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 12:56 am Instrument : Gonzo
Sample : I8260STD200PPB Quant Date : 7/15/2024 9:38 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 7278489



Manual Peak Response = 6326654 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TP	Dichlorodifluoromethane	0.265	0.246	7.2	84	0.00
3	TP	Chloromethane	0.227	0.260	-14.5	114	0.00
4	TP	Vinyl chloride	0.235	0.243	-3.4	93	0.00
5	TP	Bromomethane	0.125	0.212	-69.6#	172	0.00
6	TP	Chloroethane	0.180	0.196	-8.9	105	0.00
7	TP	Trichlorofluoromethane	0.345	0.344	0.3	101	0.00
8	TP	Ethyl ether	0.115	0.116	-0.9	102	0.00
10	TP	1,1-Dichloroethene	0.189	0.187	1.1	94	0.00
11	TP	Carbon disulfide	0.556	0.499	10.3	87	0.00
12	TP	Freon-113	0.208	0.195	6.2	91	0.00
13	TP	Iodomethane	0.365	0.234	35.9#	67	0.00
14	TP	Acrolein	0.033	0.022	33.3#	63	0.00
15	TP	Methylene chloride	0.224	0.220	1.8	98	0.00
17	TP	Acetone	* 10.000	9.753	2.5	107	0.00
18	TP	trans-1,2-Dichloroethene	0.207	0.205	1.0	94	0.00
19	TP	Methyl acetate	0.115	0.111	3.5	101	0.00
20	TP	Methyl tert-butyl ether	0.636	0.546	14.2	87	0.00
21	TP	tert-Butyl alcohol	0.018	0.018	0.0	102	0.00
22	TP	Diisopropyl ether	0.650	0.658	-1.2	99	0.00
23	TP	1,1-Dichloroethane	0.375	0.385	-2.7	98	0.00
24	TP	Halothane	0.172	0.169	1.7	94	0.00
25	TP	Acrylonitrile	0.058	0.053	8.6	91	0.00
26	TP	Ethyl tert-butyl ether	0.639	0.611	4.4	95	0.00
27	TP	Vinyl acetate	0.347	0.348	-0.3	94	0.00
28	TP	cis-1,2-Dichloroethene	0.238	0.242	-1.7	99	0.00
29	TP	2,2-Dichloropropane	0.313	0.278	11.2	87	0.00
30	TP	Bromochloromethane	0.116	0.113	2.6	94	0.00
31	TP	Cyclohexane	0.356	0.319	10.4	85	0.00
32	TP	Chloroform	0.384	0.402	-4.7	99	0.00
33	TP	Ethyl acetate	0.170	0.168	1.2	104	0.00
34	TP	Carbon tetrachloride	0.311	0.319	-2.6	93	0.00
35	TP	Tetrahydrofuran	0.056	0.054	3.6	93	0.00
36	S	Dibromofluoromethane	0.261	0.258	1.1	99	0.00
37	TP	1,1,1-Trichloroethane	0.354	0.365	-3.1	98	0.00
39	TP	2-Butanone	0.073	0.075	-2.7	104	0.00
40	TP	1,1-Dichloropropene	0.283	0.296	-4.6	100	0.00
41	TP	Benzene	0.857	0.889	-3.7	97	0.00
42	TP	tert-Amyl methyl ether	0.585	0.570	2.6	98	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.277	0.297	-7.2	103	0.00
44	TP	1,2-Dichloroethane	0.273	0.285	-4.4	104	0.00
47	TP	Methyl cyclohexane	0.333	0.308	7.5	85	0.00
48	TP	Trichloroethene	0.242	0.245	-1.2	98	0.00
50	TP	Dibromomethane	0.135	0.137	-1.5	99	0.00
51	TP	1,2-Dichloropropane	0.209	0.217	-3.8	99	0.00
53	TP	2-Chloroethyl vinyl ether	0.126	0.109	13.5	90	0.00
54	TP	Bromodichloromethane	0.305	0.298#	2.3	95	0.00
57	TP	1,4-Dioxane	0.00213	0.00212#	0.5	105	0.00
58	TP	cis-1,3-Dichloropropene	0.341	0.350	-2.6	100	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
60	S	Toluene-d8	1.255	1.277	-1.8	101	0.00
61	TP	Toluene	0.695	0.721	-3.7	98	0.00
62	TP	4-Methyl-2-pentanone	0.077	0.078	-1.3	99	0.00
63	TP	Tetrachloroethene	0.305	0.310	-1.6	95	0.00
65	TP	trans-1,3-Dichloropropene	0.380	0.396	-4.2	100	0.00
67	TP	Ethyl methacrylate	0.320	0.313	2.2	97	0.00
68	TP	1,1,2-Trichloroethane	0.191	0.195#	-2.1	101	0.00
69	TP	Chlorodibromomethane	0.302	0.307	-1.7	98	0.00
70	TP	1,3-Dichloropropane	0.380	0.402	-5.8	101	0.00
71	TP	1,2-Dibromoethane	0.242	0.245	-1.2	100	0.00
72	TP	2-Hexanone	0.142	0.143	-0.7	106	0.00
73	TP	Chlorobenzene	0.775	0.821	-5.9	101	0.00
74	TP	Ethylbenzene	1.327	1.359	-2.4	97	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.288	0.307	-6.6	102	0.00
76	TP	p/m Xylene	0.525	0.552	-5.1	99	0.00
77	TP	o Xylene	0.508	0.530	-4.3	98	0.00
78	TP	Styrene	0.861	0.911	-5.8	101	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
80	TP	Bromoform	0.354	0.346	2.3	100	0.00
82	TP	Isopropylbenzene	2.237	2.332	-4.2	98	0.00
83	S	4-Bromofluorobenzene	0.835	0.818	2.0	101	0.00
84	TP	Bromobenzene	0.619	0.642	-3.7	101	0.00
85	TP	n-Propylbenzene	2.606	2.616	-0.4	96	0.00
86	TP	1,4-Dichlorobutane	0.718	0.708	1.4	99	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.497	0.510	-2.6	104	0.00
88	TP	4-Ethyltoluene	2.179	2.268	-4.1	99	0.00

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.598	1.654	-3.5	101	0.00
90 TP	1,3,5-Trimethylbenzene	1.929	1.994	-3.4	98	0.00
91 TP	1,2,3-Trichloropropane	0.416	0.415	0.2	100	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.114	0.107	6.1	104	0.00
93 TP	4-Chlorotoluene	1.645	1.750	-6.4	101	0.00
94 TP	tert-Butylbenzene	1.559	1.645	-5.5	98	0.00
97 TP	1,2,4-Trimethylbenzene	1.900	2.055	-8.2	102	0.00
98 TP	sec-Butylbenzene	2.217	2.267	-2.3	96	0.00
99 TP	p-Isopropyltoluene	1.925	2.004	-4.1	98	0.00
100 TP	1,3-Dichlorobenzene	1.136	1.229	-8.2	103	0.00
101 TP	1,4-Dichlorobenzene	1.170	1.242	-6.2	102	0.00
102 TP	p-Diethylbenzene	1.106	1.078	2.5	91	0.00
103 TP	n-Butylbenzene	1.522	1.638	-7.6	101	0.00
104 TP	1,2-Dichlorobenzene	1.084	1.160	-7.0	103	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.655	1.668	-0.8	100	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.092	0.096	-4.3	111	0.00
107 TP	1,3,5-Trichlorobenzene	0.713	0.707	0.8	96	0.00
108 TP	Hexachlorobutadiene	0.200	0.184	8.0	93	0.00
109 TP	1,2,4-Trichlorobenzene	0.618	0.609	1.5	99	0.00
110 TP	Naphthalene	1.387	1.373	1.0	105	0.00
111 TP	1,2,3-Trichlorobenzene	0.514	0.509	1.0	99	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	355201	10.000	ug/L	0.00
Standard Area 1 = 354306			Recovery = 100.25%			
59) Chlorobenzene-d5	9.629	117	276630	10.000	ug/L	0.00
Standard Area 1 = 276985			Recovery = 99.87%			
79) 1,4-Dichlorobenzene-d4	12.311	152	160431	10.000	ug/L	0.00
Standard Area 1 = 160037			Recovery = 100.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	91568	9.870	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.70%			
43) 1,2-Dichloroethane-d4	5.805	65	105560	10.711	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.11%			
60) Toluene-d8	7.779	98	353216	10.171	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.71%			
83) 4-Bromofluorobenzene	11.110	95	131167	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.89%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	87365	9.264	ug/L	99
3) Chloromethane	1.885	50	92176	11.427	ug/L	99
4) Vinyl chloride	1.946	62	86491	10.349	ug/L	97
5) Bromomethane	2.257	94	75469	17.057	ug/L	93
6) Chloroethane	2.364	64	69571	10.889	ug/L	97
7) Trichlorofluoromethane	2.508	101	122027	9.959	ug/L	98
8) Ethyl ether	2.812	74	41081	10.099	ug/L	93
10) 1,1-Dichloroethene	3.009	96	66382	9.879	ug/L	99
11) Carbon disulfide	3.047	76	177336	8.974	ug/L	100
12) Freon-113	3.047	101	69376	9.410	ug/L	90
13) Iodomethane	3.154	142	83271	6.422	ug/L	96
14) Acrolein	3.344	56	7638	6.610	ug/L	97
15) Methylene chloride	3.579	84	78000	9.818	ug/L	96
17) Acetone	3.625	43	18260	9.753	ug/L	100
18) trans-1,2-Dichloroethene	3.724	96	72939	9.924	ug/L	94
19) Methyl acetate	3.731	43	39593	9.690	ug/L	99
20) Methyl tert-butyl ether	3.815	73	194005	8.584	ug/L	96
21) tert-Butyl alcohol	3.906	59	31230	49.804	ug/L	97
22) Diisopropyl ether	4.172	45	233777	10.128	ug/L	99
23) 1,1-Dichloroethane	4.309	63	136804	10.275	ug/L	98
24) Halothane	4.362	117	59863	9.806	ug/L	98

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.369	53	18701	9.007	ug/L	97
26) Ethyl tert-butyl ether	4.521	59	217157	9.563	ug/L	97
27) Vinyl acetate	4.544	43	123564	10.016	ug/L	100
28) cis-1,2-Dichloroethene	4.833	96	86005	10.176	ug/L	93
29) 2,2-Dichloropropane	4.924	77	98778	8.899	ug/L	94
30) Bromochloromethane	5.030	128	40236	9.731	ug/L	97
31) Cyclohexane	5.023	56	113236	8.967	ug/L	89
32) Chloroform	5.099	83	142940	10.488	ug/L	99
33) Ethyl acetate	5.205	43	59660	9.887	ug/L	96
34) Carbon tetrachloride	5.228	117	113189	10.248	ug/L	98
35) Tetrahydrofuran	5.251	42	19334M6	9.783	ug/L	
37) 1,1,1-Trichloroethane	5.296	97	129507	10.303	ug/L	98
39) 2-Butanone	5.395	43	26613	10.330	ug/L	90
40) 1,1-Dichloropropene	5.418	75	105202	10.469	ug/L	99
41) Benzene	5.668	78	315948	10.383	ug/L	98
42) tert-Amyl methyl ether	5.767	73	202501	9.745	ug/L	98
44) 1,2-Dichloroethane	5.874	62	101162	10.431	ug/L	99
47) Methyl cyclohexane	6.246	83	109578	9.267	ug/L	91
48) Trichloroethene	6.261	95	87053	10.145	ug/L	99
50) Dibromomethane	6.709	93	48791	10.165	ug/L	97
51) 1,2-Dichloropropane	6.808	63	77021	10.373	ug/L	98
53) 2-Chloroethyl vinyl ether	7.507	63	38817	8.641	ug/L	99
54) Bromodichloromethane	6.884	83	105820	9.764	ug/L	99
57) 1,4-Dioxane	7.099	88	37634	498.294	ug/L	95
58) cis-1,3-Dichloropropene	7.579	75	124306	10.255	ug/L	97
61) Toluene	7.836	92	199542	10.379	ug/L	98
62) 4-Methyl-2-pentanone	8.273	58	21705	10.240	ug/L	98
63) Tetrachloroethene	8.288	166	85687	10.154	ug/L	97
65) trans-1,3-Dichloropropene	8.324	75	109467	10.400	ug/L	94
67) Ethyl methacrylate	8.510	69	86448	9.768	ug/L	97
68) 1,1,2-Trichloroethane	8.510	83	54047	10.245	ug/L	100
69) Chlorodibromomethane	8.725	129	84807	10.168	ug/L	98
70) 1,3-Dichloropropane	8.832	76	111331	10.589	ug/L	100
71) 1,2-Dibromoethane	9.004	107	67902	10.147	ug/L	99
72) 2-Hexanone	9.283	43	39496	10.047	ug/L	97
73) Chlorobenzene	9.645	112	227169	10.603	ug/L	99
74) Ethylbenzene	9.678	91	375983	10.243	ug/L	99
75) 1,1,1,2-Tetrachloroethane	9.736	131	84883	10.645	ug/L	96
76) p/m Xylene	9.867	106	305427	21.045	ug/L	100
77) o Xylene	10.402	106	293118	20.849	ug/L	100

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240712PICAL\VG240712P08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.476	104	504179	21.162	ug/L		99
80)	Bromoform	10.509	173	55431	9.753	ug/L		96
82)	Isopropylbenzene	10.781	105	374070	10.422	ug/L		98
84)	Bromobenzene	11.225	156	103042	10.384	ug/L		100
85)	n-Propylbenzene	11.258	91	419745	10.039	ug/L		99
86)	1,4-Dichlorobutane	11.282	55	113635	9.870	ug/L		100
87)	1,1,2,2-Tetrachloroethane	11.356	83	81821	10.257	ug/L		97
88)	4-Ethyltoluene	11.381	105	363815	10.409	ug/L		99
89)	2-Chlorotoluene	11.430	91	265430M1	10.352	ug/L		
90)	1,3,5-Trimethylbenzene	11.480	105	319940	10.341	ug/L		99
91)	1,2,3-Trichloropropane	11.496	75	66579M1	9.980	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.546	53	17125	9.363	ug/L	#	90
93)	4-Chlorotoluene	11.611	91	280755	10.636	ug/L		97
94)	tert-Butylbenzene	11.817	119	263971	10.556	ug/L		100
97)	1,2,4-Trimethylbenzene	11.899	105	329670	10.815	ug/L		99
98)	sec-Butylbenzene	12.006	105	363744	10.226	ug/L		100
99)	p-Isopropyltoluene	12.154	119	321524	10.413	ug/L		99
100)	1,3-Dichlorobenzene	12.237	146	197162	10.815	ug/L		99
101)	1,4-Dichlorobenzene	12.327	146	199238	10.611	ug/L		99
102)	p-Diethylbenzene	12.533	119	173022	9.755	ug/L		98
103)	n-Butylbenzene	12.590	91	262856	10.765	ug/L		100
104)	1,2-Dichlorobenzene	12.747	146	186115	10.703	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.323	119	267638	10.081	ug/L		97
106)	1,2-Dibromo-3-chloropr...	13.528	155	15353	10.377	ug/L		97
107)	1,3,5-Trichlorobenzene	13.553	180	113458	9.912	ug/L		99
108)	Hexachlorobutadiene	14.120	225	29501	9.199	ug/L		97
109)	1,2,4-Trichlorobenzene	14.153	180	97695	9.856	ug/L		99
110)	Naphthalene	14.441	128	220203	9.897	ug/L		100
111)	1,2,3-Trichlorobenzene	14.606	180	81692	9.912	ug/L		98

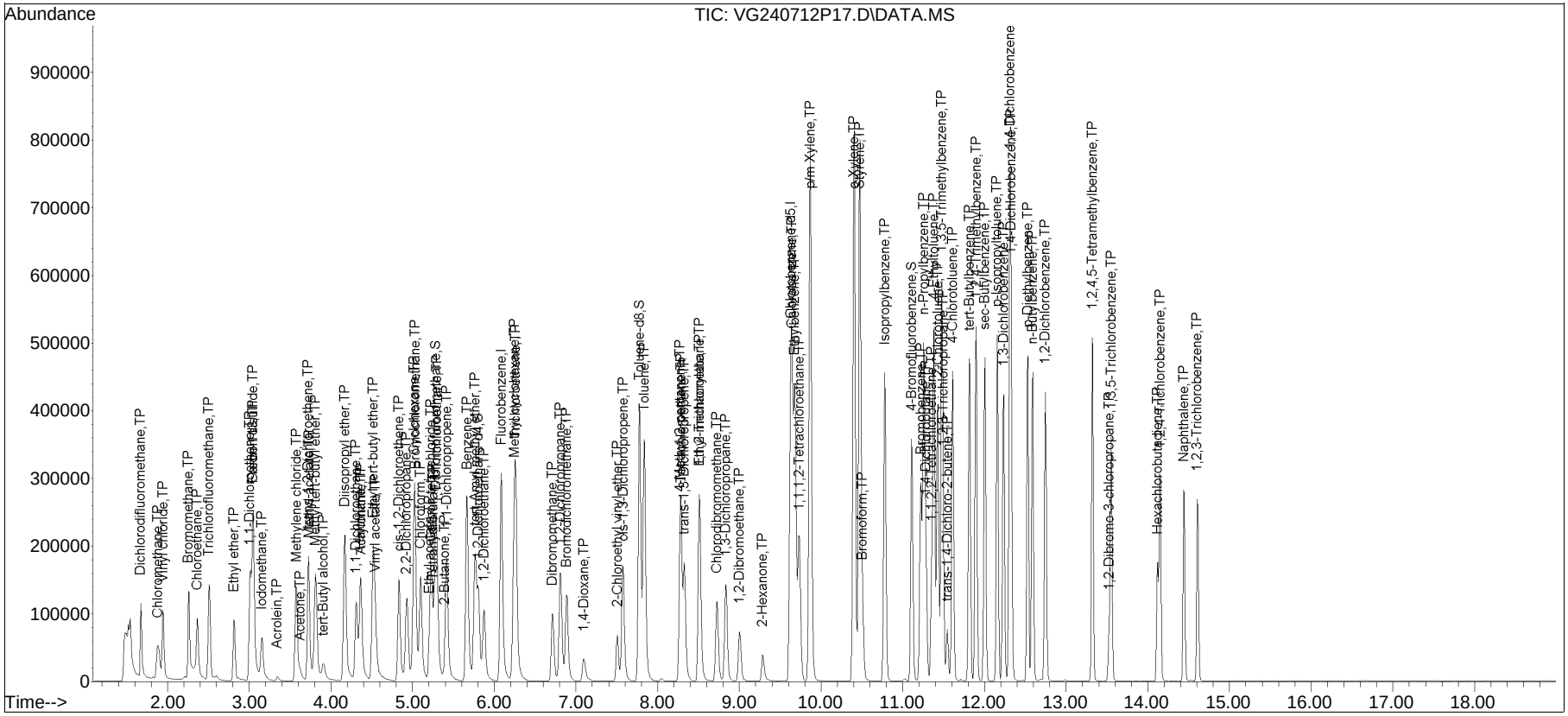
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240712PICAL\
Data File : VG240712P17.D
Acq On : 13 Jul 2024 2:55 am
Operator : GONZO:PID
Sample : C8260STD10PPB
Misc : WG1947004,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 15 09:47:19 2024
Quant Method : K:\Gonzo\2024\240712PICAL\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

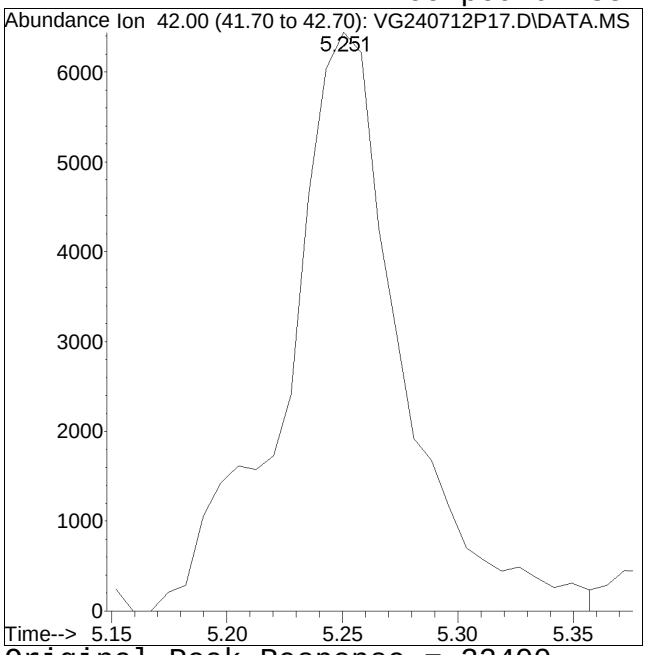
Sub List : 8260-Curve - Megamix plus DioxVG240712P08.D•



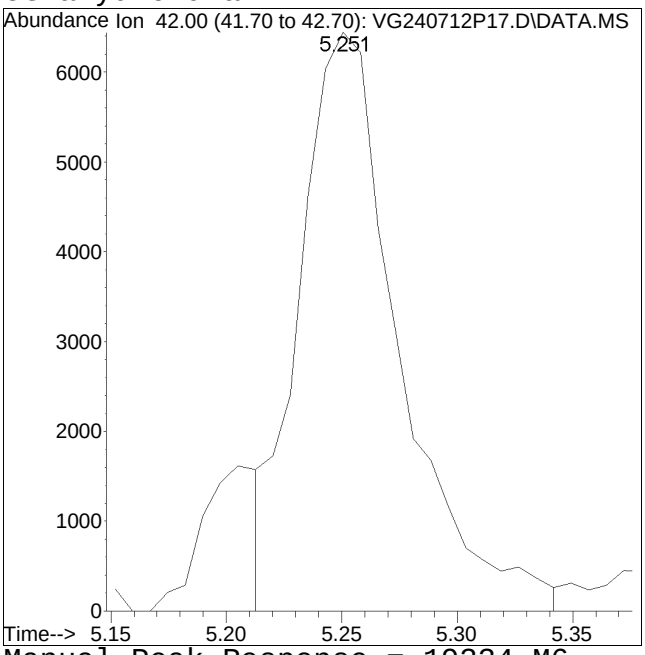
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P17.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 2:55 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/15/2024 9:45 am

Compound #35: Tetrahydrofuran



Original Peak Response = 22400



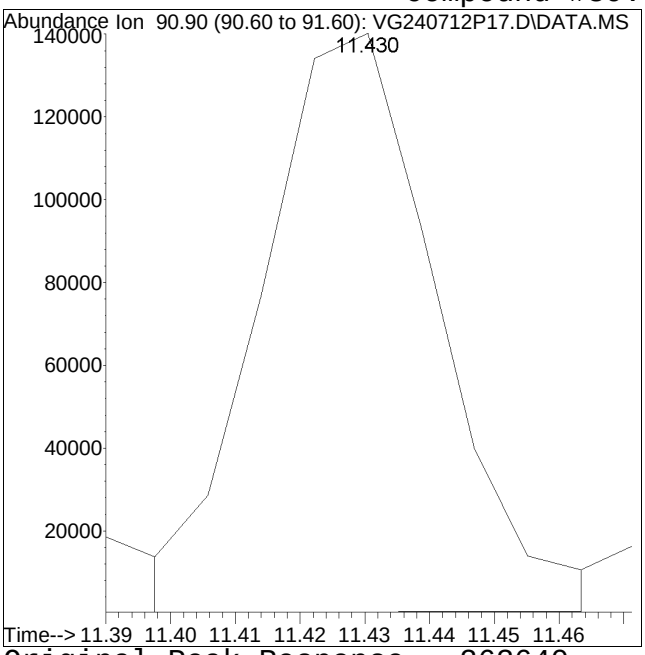
Manual Peak Response = 19334 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

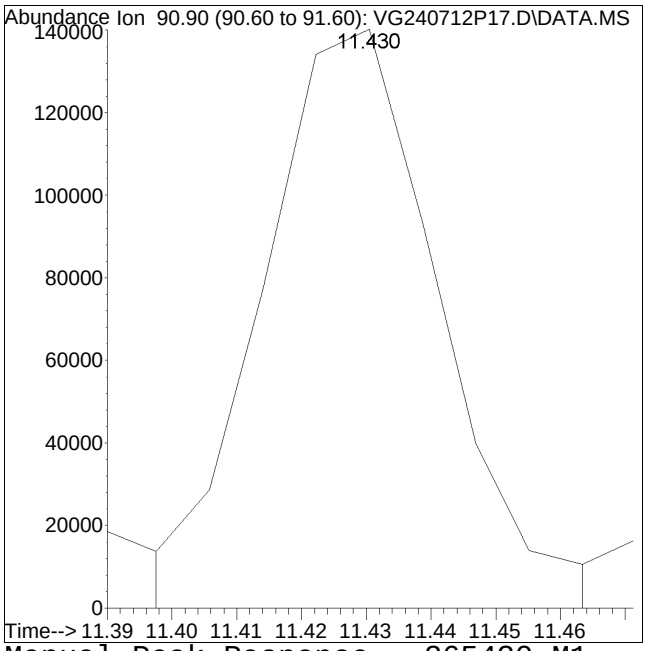
Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P17.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 2:55 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/15/2024 9:45 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 263640



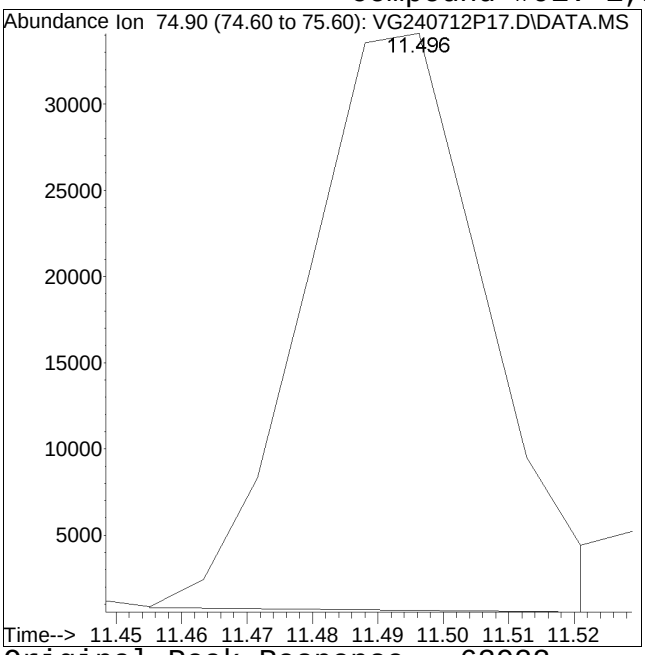
Manual Peak Response = 265430 M1

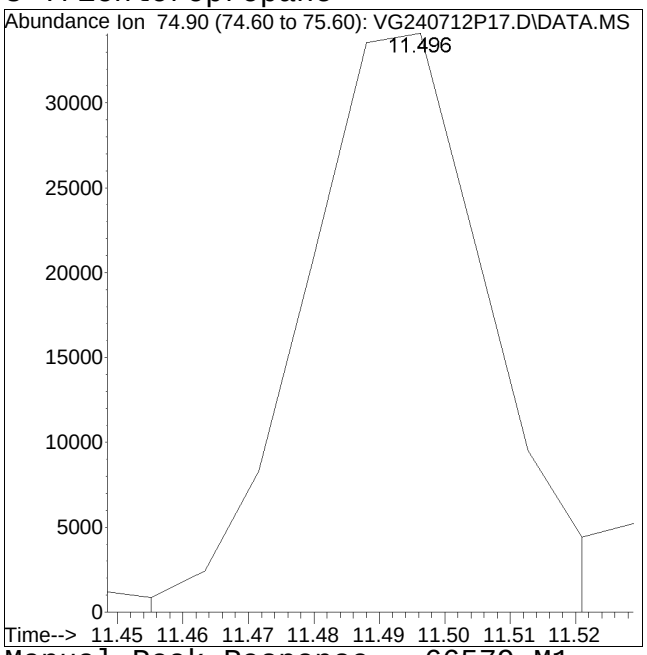
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\Gonzo\2024\240712PICAL\QMethod : G_240712P_8260.m
Data File : VG240712P17.D Operator : GONZO:PID
Date Inj'd : 7/13/2024 2:55 am Instrument : Gonzo
Sample : C8260STD10PPB Quant Date : 7/15/2024 9:45 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 63922 Manual Peak Response = 66579 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report Gonzo

Method Path : K:\Gonzo\2024\240712PICAL\
Method File : G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	9.058	-9.4	2.00	2.221	11.1

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.990142	0.000000	0.0484088	0.00419312

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\240729AICAL\
Method File : V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.147	0.215	0.223	0.209	0.195	0.195	0.197		13.62
3)	TP	Chloromethane	0.252	0.295	0.303	0.277	0.253	0.239	0.225	0.263		10.94
4)	TP	Vinyl chloride	0.202	0.176	0.199	0.232	0.231	0.217	0.206	0.203	0.208	8.84
5)	TP	Bromomethane	0.070	0.076	0.075	0.079	0.088	0.095	0.102	0.084		14.11
6)	TP	Chloroethane	0.118	0.132	0.133	0.126	0.117	0.110	0.108	0.120		8.39
7)	TP	Trichlorofluor...	0.144	0.179	0.257	0.263	0.252	0.238	0.239	*L		0.9987
8)	TP	Ethyl ether	0.067	0.069	0.073	0.070	0.071	0.070	0.068	0.070		2.76
10)	TP	1,1-Dichloroet...	0.110	0.126	0.152	0.154	0.146	0.139	0.139	0.138		11.23
11)	TP	Carbon disulfide	0.404	0.455	0.510	0.491	0.451	0.438	0.433	0.454		7.85
12)	TP	Freon-113		0.097	0.154	0.159	0.150	0.147	0.151	0.143		16.09
13)	TP	Iodomethane		0.122	0.172	0.190	0.199	0.203	0.204	0.182		17.53
14)	TP	Acrolein	0.018	0.024	0.025	0.025	0.025	0.025	0.024	0.024		11.30
15)	TP	Methylene chlo...	0.237	0.204	0.191	0.173	0.164	0.159	0.156	0.183		16.00
17)	TP	Acetone		0.040	0.035	0.033	0.032	0.031	0.030	0.033		10.98
18)	TP	trans-1,2-Dich...	0.148	0.169	0.177	0.166	0.160	0.157	0.155	0.162		5.98
19)	TP	Methyl acetate	0.103	0.089	0.085	0.084	0.083	0.081	0.077	0.086		9.89
21)	TP	Methyl tert-bu...	0.254	0.268	0.317	0.328	0.328	0.339	0.333	0.309		11.02
22)	TP	tert-Butyl alc...	0.004	0.006	0.007	0.007	0.007	0.007	0.007	0.006#		15.62
24)	TP	Diisopropyl ether	0.493	0.543	0.594	0.622	0.617	0.616	0.586	0.581		8.17
25)	TP	1,1-Dichloroet...	0.311	0.358	0.365	0.340	0.319	0.315	0.306	0.331		7.23
26)	TP	Halothane	0.096	0.110	0.132	0.127	0.127	0.126	0.126	0.121		10.56
27)	TP	Acrylonitrile	0.045	0.044	0.049	0.048	0.046	0.045	0.043	0.046		4.17
28)	TP	Ethyl tert-but...	0.324	0.354	0.413	0.457	0.456	0.468	0.453	0.418		13.74
29)	TP	Vinyl acetate	0.273	0.289	0.353	0.379	0.386	0.385	0.367	0.348		13.51
30)	TP	cis-1,2-Dichlo...	0.168	0.196	0.197	0.183	0.172	0.172	0.168	0.179#		6.96
31)	TP	2,2-Dichloropr...	0.174	0.196	0.224	0.220	0.211	0.211	0.212	0.207		8.20
32)	TP	Bromochloromet...	0.084	0.092	0.093	0.084	0.081	0.080	0.078	0.085#		6.73
33)	TP	Cyclohexane		0.183	0.351	0.378	0.354	0.352	0.353	*L		0.9993
34)	TP	Chloroform	0.283	0.310	0.303	0.286	0.274	0.278	0.268	0.286#		5.37
35)	TP	Ethyl acetate		0.096	0.111	0.116	0.118	0.118	0.114	0.112		7.47

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\240729AICAL\
Method File : V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
36)	TP	Carbon tetrach...	0.179	0.145	0.171	0.233	0.236	0.228	0.228	0.231	0.206	17.40
37)	TP	Tetrahydrofuran			0.035	0.038	0.038	0.037	0.037	0.036	0.037	3.72
38)	S	Dibromofluorom...	0.356	0.382	0.381	0.359	0.339	0.326	0.329	0.324	0.349	6.78
39)	TP	1,1,1-Trichlor...		0.184	0.221	0.263	0.260	0.255	0.254	0.252	0.241	11.85
41)	TP	2-Butanone			0.042	0.044	0.049	0.050	0.049	0.047	0.047	6.75
42)	TP	1,1-Dichloropr...		0.128	0.160	0.214	0.222	0.214	0.213	0.213	0.195	18.52
44)	TP	Benzene	0.577	0.517	0.672	0.656	0.692	0.662	0.658	0.633	0.633	9.17
45)	TP	tert-Amyl meth...		0.172	0.171	0.190	0.208	0.218	0.230	0.228	0.202	12.43
46)	S	1,2-Dichloroet...	0.286	0.306	0.301	0.305	0.293	0.289	0.294	0.289	0.295	2.57
47)	T	1,2-Dichloroet...		0.154	0.165	0.170	0.162	0.154	0.154	0.149	0.158	4.65
50)	TP	Methyl cyclohe...			0.094	0.200	0.226	0.224	0.233	0.238	*L	0.9996
51)	TP	Trichloroethene	0.133	0.113	0.124	0.143	0.143	0.140	0.141	0.141	0.135#	8.23
53)	TP	Dibromomethane		0.065	0.068	0.071	0.070	0.068	0.069	0.067	0.068	2.99
54)	TP	1,2-Dichloropr...		0.115	0.131	0.154	0.152	0.147	0.147	0.143	0.141#	9.64
56)	TP	2-Chloroethyl ...		0.039	0.041	0.053	0.059	0.063	0.063	0.061	0.054	18.80
57)	TP	Bromodichlorom...		0.138	0.157	0.175	0.176	0.174	0.176	0.173	0.167#	8.74
60)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	5.34
61)	TP	cis-1,3-Dichlo...	0.121	0.126	0.149	0.186	0.197	0.199	0.201	0.197	0.172#	19.89
62)	I	Chlorobenzene-d5	----------ISTD----------									
63)	S	Toluene-d8	1.265	1.258	1.267	1.262	1.281	1.288	1.295	1.276	1.274	1.03
64)	TP	Toluene		0.347	0.400	0.427	0.437	0.427	0.429	0.416	0.412	7.55
65)	TP	4-Methyl-2-pen...			0.023	0.028	0.034	0.037	0.038	0.037	0.033	18.50
66)	TP	Tetrachloroethene		0.107	0.132	0.169	0.181	0.179	0.181	0.181	0.162	18.41
68)	TP	trans-1,3-Dich...		0.112	0.139	0.175	0.208	0.214	0.217	0.212	*L	0.9992
70)	TP	Ethyl methacry...			0.090	0.124	0.141	0.147	0.149	0.144	0.133	17.01
71)	TP	1,1,2-Trichlor...		0.072	0.079	0.094	0.102	0.111	0.111	0.108	0.097#	16.46
72)	TP	Chlorodibromom...		0.089	0.117	0.139	0.157	0.162	0.164	0.161	*L	0.9995
73)	TP	1,3-Dichloropr...		0.151	0.163	0.188	0.207	0.208	0.208	0.200	0.190	12.35
74)	TP	1,2-Dibromoethane		0.077	0.089	0.107	0.119	0.123	0.123	0.120	0.108#	16.86
76)	TP	2-Hexanone			0.045	0.055	0.064	0.069	0.069	0.066	0.061	15.23
77)	TP	Chlorobenzene		0.417	0.478	0.486	0.486	0.471	0.470	0.458	0.467	5.15

Response Factor Report VOA 122

Method Path : K:\VOA122\2024\240729AICAL\
Method File : V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
78)	TP	Ethylbenzene		0.611	0.710	0.850	0.854	0.821	0.817	0.780	0.778	11.36
79)	TP	1,1,1,2-Tetrac...		0.107	0.127	0.144	0.161	0.166	0.168	0.166	0.148	15.82
80)	TP	p/m Xylene		0.220	0.271	0.332	0.334	0.323	0.322	0.310	0.302	13.84
81)	TP	o Xylene		0.200	0.259	0.313	0.315	0.308	0.308	0.296	0.285	14.79
82)	TP	Styrene		0.304	0.416	0.503	0.521	0.507	0.499	0.464	0.459	16.79
83)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
84)	TP	Bromoform		0.110	0.118	0.137	0.162	0.172	0.176	0.179	0.150	19.06
86)	TP	Isopropylbenzene		1.046	1.323	1.726	1.771	1.679	1.676	1.637	1.551	17.18
87)	S	4-Bromofluorob...	0.911	0.911	0.900	0.932	0.924	0.900	0.900	0.908	0.911	1.31
88)	TP	Bromobenzene		0.335	0.355	0.374	0.380	0.370	0.371	0.370	0.365	4.18
89)	TP	n-Propylbenzene		1.282	1.530	1.993	2.048	1.948	1.952	1.864	1.802	15.83
90)	TP	1,4-Dichlorobu...		0.423	0.442	0.474	0.497	0.492	0.489	0.483	0.472	5.94
91)	TP	1,1,2,2-Tetrac...		0.237	0.231	0.246	0.267	0.266	0.266	0.263	0.254	6.06
92)	TP	4-Ethyltoluene		1.049	1.261	1.602	1.644	1.579	1.593	1.555	1.469	15.29
93)	TP	2-Chlorotoluene		0.883	1.048	1.156	1.157	1.108	1.131	1.117	1.086	8.88
94)	TP	1,3,5-Trimethy...		0.876	1.095	1.350	1.365	1.327	1.358	1.343	1.245	15.14
95)	TP	1,2,3-Trichlor...		0.162	0.186	0.191	0.205	0.202	0.204	0.205	0.194	8.07
96)	TP	trans-1,4-Dich...		0.063	0.078	0.083	0.094	0.095	0.096	0.095	0.086	14.50
97)	TP	4-Chlorotoluene		0.906	1.071	1.192	1.204	1.158	1.166	1.146	1.121	9.26
98)	TP	tert-Butylbenzene		0.714	0.853	1.187	1.236	1.189	1.202	1.183	1.081	19.23
101)	TP	1,2,4-Trimethy...		0.970	1.245	1.527	1.538	1.479	1.505	1.471	1.391	15.13
102)	TP	sec-Butylbenzene		0.953	1.168	1.721	1.779	1.693	1.711	1.646	*L	0.9992
103)	TP	p-Isopropyltol...		0.760	0.980	1.439	1.476	1.423	1.444	1.406	*L	0.9995
104)	TP	1,3-Dichlorobe...		0.643	0.722	0.760	0.757	0.734	0.732	0.718	0.724	5.42
105)	TP	1,4-Dichlorobe...		0.681	0.712	0.743	0.738	0.714	0.722	0.712	0.718	2.86
106)	TP	p-Diethylbenzene			0.566	0.809	0.846	0.825	0.842	0.840	0.788	13.93
107)	TP	n-Butylbenzene		0.629	0.830	1.214	1.226	1.171	1.197	1.177	*L	0.9996
108)	TP	1,2-Dichlorobe...		0.568	0.628	0.667	0.670	0.653	0.655	0.639	0.640	5.50
109)	TP	1,2,4,5-Tetram...			0.737	1.085	1.193	1.167	1.175	1.128	1.081	16.00
110)	TP	1,2-Dibromo-3-...		0.007	0.027	0.033	0.037	0.040	0.040	0.040	*L	0.9993
111)	TP	1,3,5-Trichlor...		0.347	0.382	0.443	0.449	0.433	0.439	0.427	0.417	9.11

Method Path : K:\VOA122\2024\240729AICAL\
Method File : V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024
Response Via : Initial Calibration

Calibration Files
L11 =V22240729A03.D L1 =V22240729A04.D L2 =V22240729A06.D L3 =V22240729A08.D L4 =V22240729A09.D
L6 =V22240729A10.D L8 =V22240729A11.D L10 =V22240729A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
112) TP	Hexachlorobuta...	0.091	0.104	0.150	0.152	0.147	0.155	0.160	*L	0.9989	
113) TP	1,2,4-Trichlor...	0.285	0.311	0.368	0.385	0.380	0.381	0.374	0.355#	11.26	
114) TP	Naphthalene	0.486	0.583	0.770	0.883	0.870	0.861	0.815	*L	0.9987	
115) TP	1,2,3-Trichlor...	0.237	0.280	0.315	0.328	0.320	0.320	0.310	0.301#	10.69	

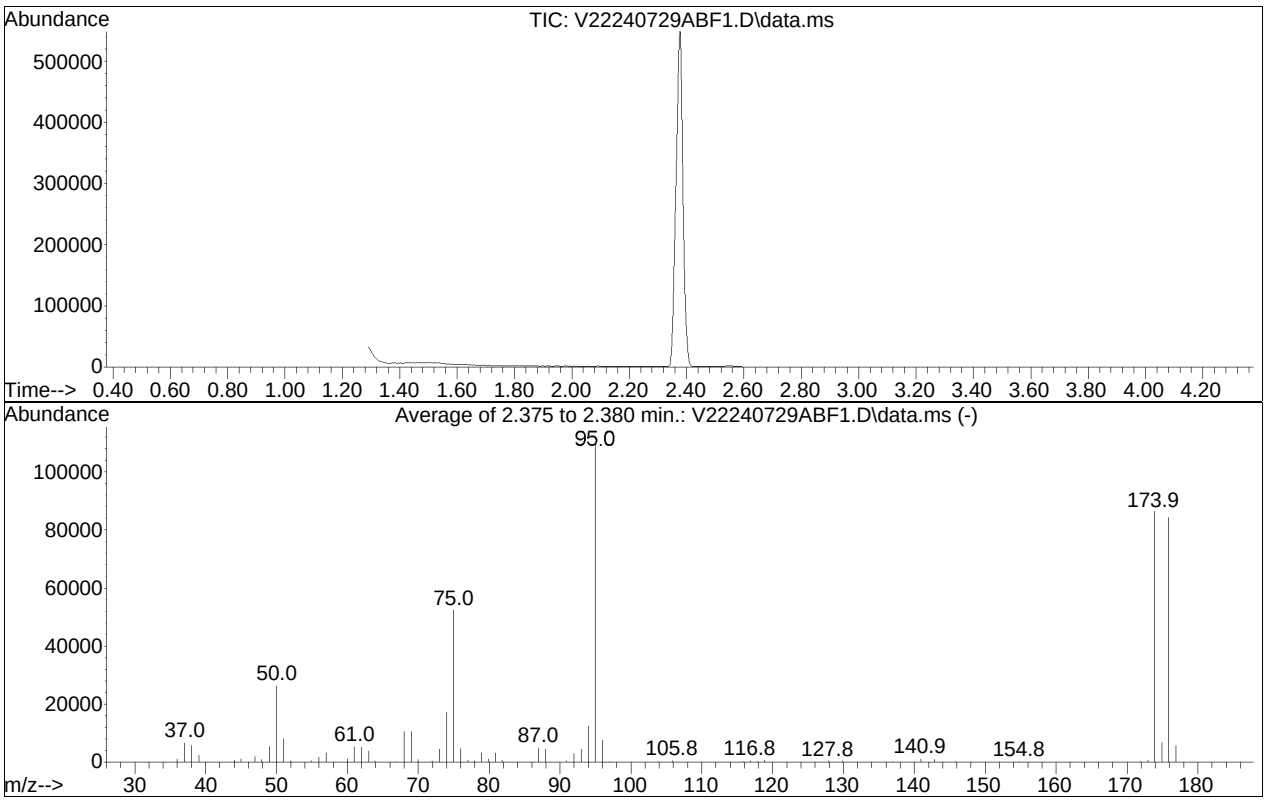
(#) = Out of Range

BFB

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729ABF1.D
Acq On : 29 Jul 2024 12:26 pm
Operator : VOA122:PID
Sample : WG1953132-1
Misc : WG1953132
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024



AutoFind: Scans 390, 391, 392; Background Corrected with Scan 374

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.9	26280	PASS
75	95	30	60	47.7	52499	PASS
95	95	100	100	100.0	110096	PASS
96	95	5	9	6.9	7556	PASS
173	174	0.00	2	0.7	585	PASS
174	95	50	100	78.4	86301	PASS
175	174	5	9	7.7	6687	PASS
176	174	95	101	97.7	84309	PASS
177	176	5	9	6.8	5766	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A03.D
Acq On : 29 Jul 2024 01:23 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1953132,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 30 06:56:43 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-L11_MCP - L11 MCP

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.977	96	488909	10.000 ug/L	0.00
Standard Area 1 = 507125			Recovery =	96.41%	
62) Chlorobenzene-d5	9.519	117	403292	10.000 ug/L	0.00
Standard Area 1 = 414608			Recovery =	97.27%	
83) 1,4-Dichlorobenzene-d4	12.236	152	193032	10.000 ug/L	0.00
Standard Area 1 = 204327			Recovery =	94.47%	
System Monitoring Compounds					
38) Dibromofluoromethane	5.158	113	173978	10.184 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.84%	
46) 1,2-Dichloroethane-d4	5.688	65	140055	9.699 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.99%	
63) Toluene-d8	7.675	98	510117	9.927 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.27%	
87) 4-Bromofluorobenzene	11.019	95	175827	10.003 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.03%	
Target Compounds					Qvalue
4) Vinyl chloride	1.881	62	1880	0.185 ug/L	92
36) Carbon tetrachloride	5.118	117	1663	0.165 ug/L #	87
44) Benzene	5.557	78	5360	0.173 ug/L #	85
51) Trichloroethene	6.147	95	1239	0.188 ug/L #	80
61) cis-1,3-Dichloropropene	7.459	75	1125	0.134 ug/L #	82
68) trans-1,3-Dichloropropene	8.210	75	841	0.120 ug/L #	62

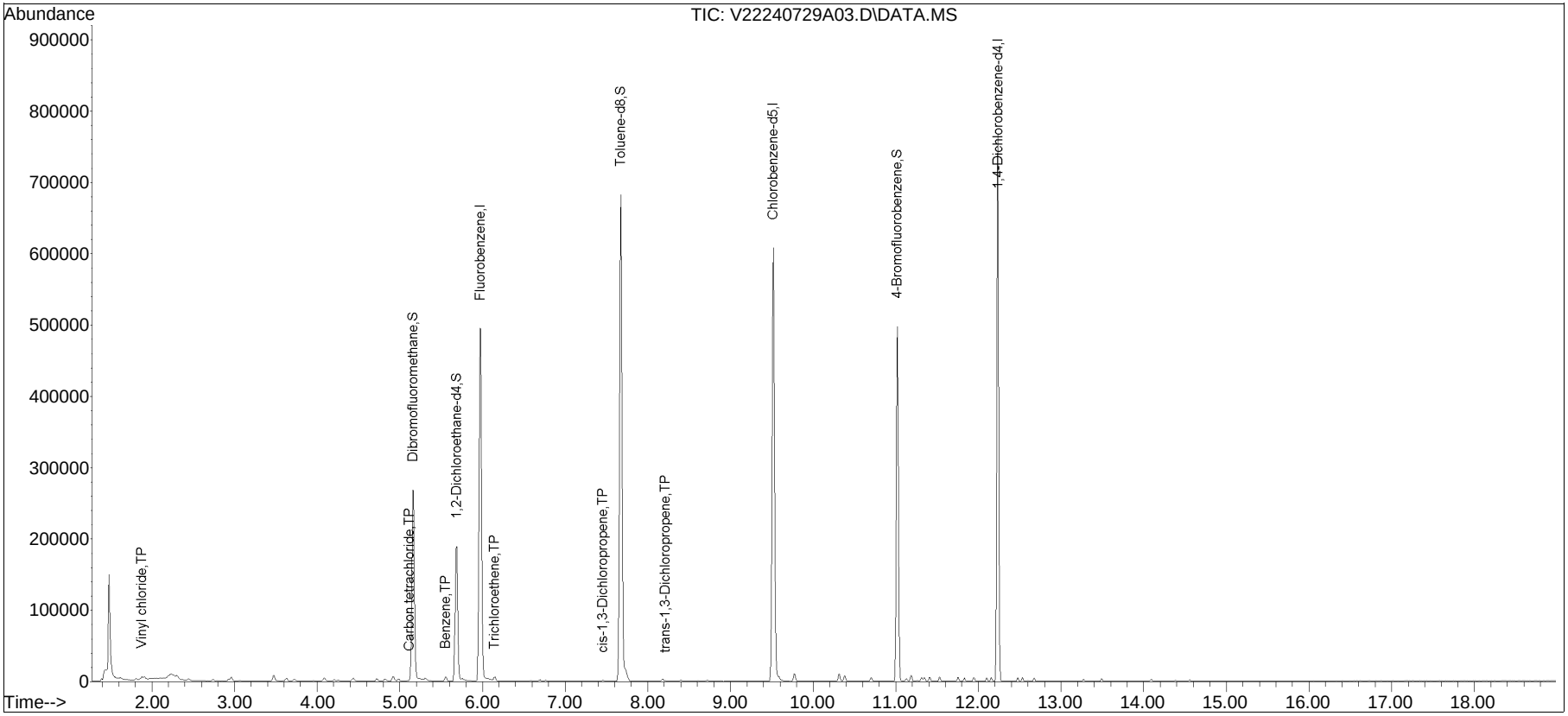
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A03.D
Acq On : 29 Jul 2024 01:23 pm
Operator : VOA122:PID
Sample : I8260STD0.19PPB
Misc : WG1953132,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 30 06:56:43 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

Sub List : 8260-L11_MCP - L11 MCP729AICAL\V22240729A08.D•



Manual Integration Report

Data Path	: K:\VOA122\2024\240729AICALQ	Method	: V122_240729A_8260.m
Data File	: V22240729A03.D	Operator	: VOA122:PID
Date Inj'd	: 7/29/2024 1:23 pm	Instrument	: VOA 122
Sample	: I8260STD0.19PPB	Quant Date	: 7/30/2024 6:56 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A04.D
Acq On : 29 Jul 2024 01:47 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1953132,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 06:56:50 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	466096	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery =	91.91%		
62) Chlorobenzene-d5	9.519	117	404492	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery =	97.56%		
83) 1,4-Dichlorobenzene-d4	12.236	152	191762	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery =	93.85%		
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	178166	10.940	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	109.40%		
46) 1,2-Dichloroethane-d4	5.688	65	142623	10.360	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	103.60%		
63) Toluene-d8	7.675	98	509018	9.877	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.77%		
87) 4-Bromofluorobenzene	11.019	95	174668	10.003	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.03%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	2766	0.319	ug/L	94
3) Chloromethane	1.808	50	5873	0.478	ug/L	97
4) Vinyl chloride	1.880	62	4099	0.422	ug/L	96
5) Bromomethane	2.188	94	1633	0.419	ug/L	99
6) Chloroethane	2.306	64	2753	0.490	ug/L	92
7) Trichlorofluoromethane	2.444	101	3353	0.320	ug/L	94
8) Ethyl ether	2.739	74	1553	0.479	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	2572	0.399	ug/L	82
11) Carbon disulfide	2.962	76	9420	0.445	ug/L	100
12) Freon-113	2.968	101	1784	0.287	ug/L	88
13) Iodomethane	3.067	142	1778	0.229	ug/L #	89
14) Acrolein	3.250	56	413	0.373	ug/L	90
15) Methylene chloride	3.480	84	5525	0.646	ug/L #	57
17) Acetone	3.512	43	1541	0.868	ug/L #	77
18) trans-1,2-Dichloroethene	3.630	96	3455	0.458	ug/L	83
19) Methyl acetate	3.637	43	2412	0.602	ug/L #	63
21) Methyl tert-butyl ether	3.729	73	5913	0.410	ug/L #	68
22) tert-Butyl alcohol	3.814	59	517	1.712	ug/L #	70
24) Diisopropyl ether	4.089	45	11490	0.424	ug/L #	88
25) 1,1-Dichloroethane	4.207	63	7248	0.470	ug/L	93
26) Halothane	4.260	117	2244	0.399	ug/L	91

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A04.D
Acq On : 29 Jul 2024 01:47 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1953132,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 06:56:50 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.246	53	1040	0.489	ug/L		90
28) Ethyl tert-butyl ether	4.437	59	7540	0.387	ug/L	#	79
29) Vinyl acetate	4.443	43	6371	0.393	ug/L	#	87
30) cis-1,2-Dichloroethene	4.718	96	3923	0.469	ug/L	#	79
31) 2,2-Dichloropropane	4.823	77	4065	0.421	ug/L	#	60
32) Bromochloromethane	4.915	128	1950	0.494	ug/L	#	61
33) Cyclohexane	4.928	56	3547	0.251	ug/L	#	61
34) Chloroform	4.981	83	6604	0.495	ug/L	#	93
35) Ethyl acetate	0.000		0	N.D.	d		
36) Carbon tetrachloride	5.125	117	3370	0.350	ug/L	#	89
37) Tetrahydrofuran	0.000		0	N.D.	d		
39) 1,1,1-Trichloroethane	5.190	97	4298	0.382	ug/L		94
41) 2-Butanone	0.000		0	N.D.	d		
42) 1,1-Dichloropropene	5.315	75	2981	0.329	ug/L		93
44) Benzene	5.557	78	12050	0.408	ug/L	#	89
45) tert-Amyl methyl ether	5.669	73	4001	0.424	ug/L	#	77
47) 1,2-Dichloroethane	5.754	62	3598	0.488	ug/L		96
50) Methyl cyclohexane	6.153	83	1780	0.207	ug/L	#	58
51) Trichloroethene	6.153	95	2622	0.418	ug/L		88
53) Dibromomethane	6.591	93	1506	0.474	ug/L	#	81
54) 1,2-Dichloropropane	6.702	63	2689	0.408	ug/L	#	92
56) 2-Chloroethyl vinyl ether	7.390	63	908	0.360	ug/L	#	63
57) Bromodichloromethane	6.764	83	3207	0.412	ug/L	#	96
60) 1,4-Dioxane	6.980	88	2443	93.931	ug/L	#	60
61) cis-1,3-Dichloropropene	7.459	75	2939	0.367	ug/L	#	79
64) Toluene	7.730	92	7012	0.421	ug/L		93
65) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
66) Tetrachloroethene	8.182	166	2168	0.332	ug/L		97
68) trans-1,3-Dichloropropene	8.210	75	2272	0.324	ug/L	#	74
70) Ethyl methacrylate	8.405	69	1492	0.297	ug/L	#	83
71) 1,1,2-Trichloroethane	8.398	83	1448	0.370	ug/L		90
72) Chlorodibromomethane	8.600	129	1794	0.314	ug/L		96
73) 1,3-Dichloropropane	8.719	76	3059	0.399	ug/L		95
74) 1,2-Dibromoethane	8.880	107	1564	0.357	ug/L		100
76) 2-Hexanone	9.175	43	718	0.308	ug/L	#	62
77) Chlorobenzene	9.540	112	8428	0.447	ug/L	#	78
78) Ethylbenzene	9.589	91	12355	0.393	ug/L		96
79) 1,1,1,2-Tetrachloroethane	9.631	131	2169	0.361	ug/L	#	62
80) p/m Xylene	9.771	106	8908	0.729	ug/L		99
81) o Xylene	10.318	106	8107	0.702	ug/L		94

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A04.D
Acq On : 29 Jul 2024 01:47 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1953132,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 06:56:50 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.381	104	12295	0.662	ug/L		98
84) Bromoform	10.395	173	1056	0.366	ug/L		94
86) Isopropylbenzene	10.704	105	10025	0.337	ug/L		95
88) Bromobenzene	11.132	156	3209	0.459	ug/L		97
89) n-Propylbenzene	11.188	91	12295	0.356	ug/L		97
90) 1,4-Dichlorobutane	11.188	55	4059	0.449	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	2271	0.467	ug/L	#	94
92) 4-Ethyltoluene	11.314	105	10057	0.357	ug/L		94
93) 2-Chlorotoluene	11.349	91	8470M6	0.407	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	8399	0.352	ug/L		96
95) 1,2,3-Trichloropropane	11.398	75	1558	0.419	ug/L		89
96) trans-1,4-Dichloro-2-b...	11.454	53	602	0.363	ug/L	#	50
97) 4-Chlorotoluene	11.531	91	8687	0.404	ug/L		97
98) tert-Butylbenzene	11.756	119	6844	0.330	ug/L		95
101) 1,2,4-Trimethylbenzene	11.833	105	9303	0.349	ug/L		99
102) sec-Butylbenzene	11.944	105	9142	0.313	ug/L		92
103) p-Isopropyltoluene	12.104	119	7286	0.298	ug/L		98
104) 1,3-Dichlorobenzene	12.160	146	6161	0.444	ug/L		97
105) 1,4-Dichlorobenzene	12.250	146	6529M3	0.474	ug/L		
106) p-Diethylbenzene	12.473	119	4233	0.299	ug/L		98
107) n-Butylbenzene	12.536	91	6027	0.296	ug/L		97
108) 1,2-Dichlorobenzene	12.675	146	5443	0.443	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	5385	0.279	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.461	155	71	0.115	ug/L	#	1
111) 1,3,5-Trichlorobenzene	13.496	180	3325	0.416	ug/L		97
112) Hexachlorobutadiene	14.074	225	875	0.333	ug/L		98
113) 1,2,4-Trichlorobenzene	14.095	180	2734	0.402	ug/L		95
114) Naphthalene	14.387	128	4657	0.323	ug/L		100
115) 1,2,3-Trichlorobenzene	14.554	180	2275	0.394	ug/L		98

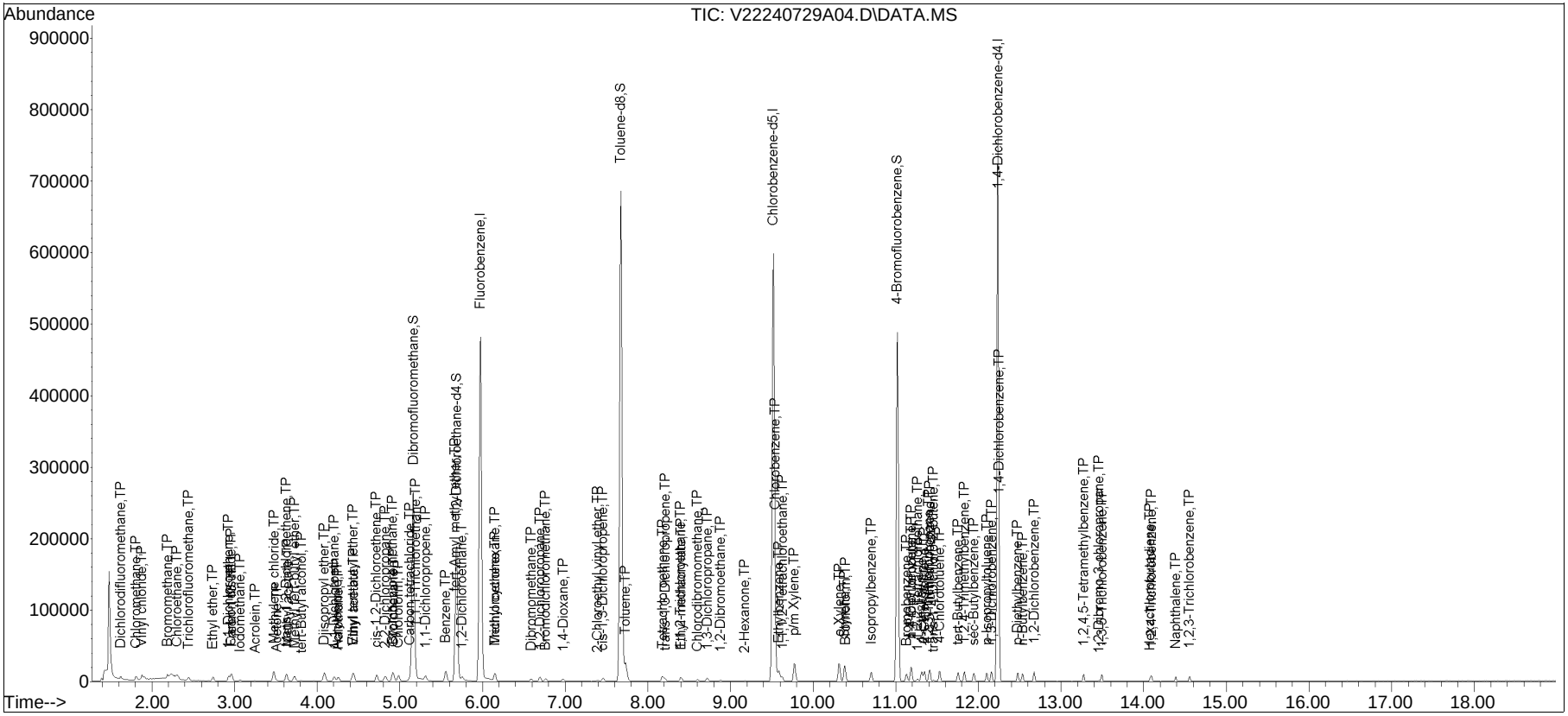
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A04.D
Acq On : 29 Jul 2024 01:47 pm
Operator : VOA122:PID
Sample : I8260STD0.5PPB
Misc : WG1953132,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 30 06:56:50 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•

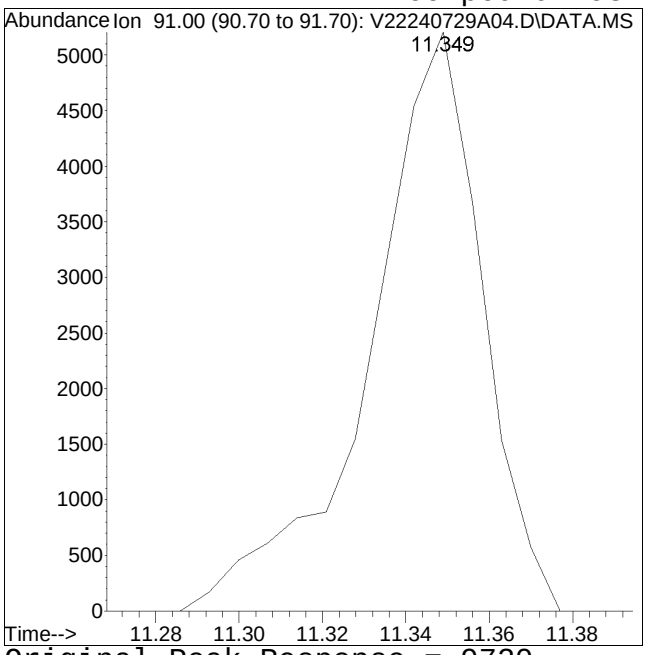


Manual Integration Report

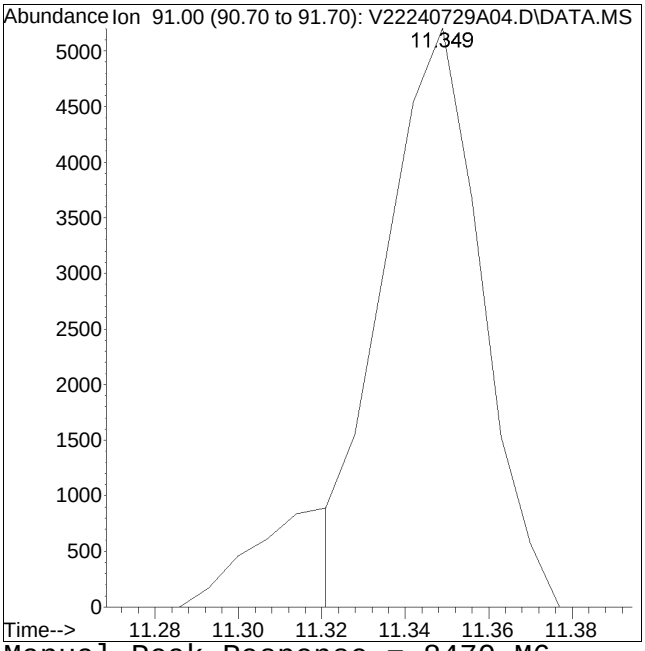
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A04.D
Date Inj'd : 7/29/2024 1:47 pm
Sample : I8260STD0.5PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:56 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 9720



Manual Peak Response = 8470 M6

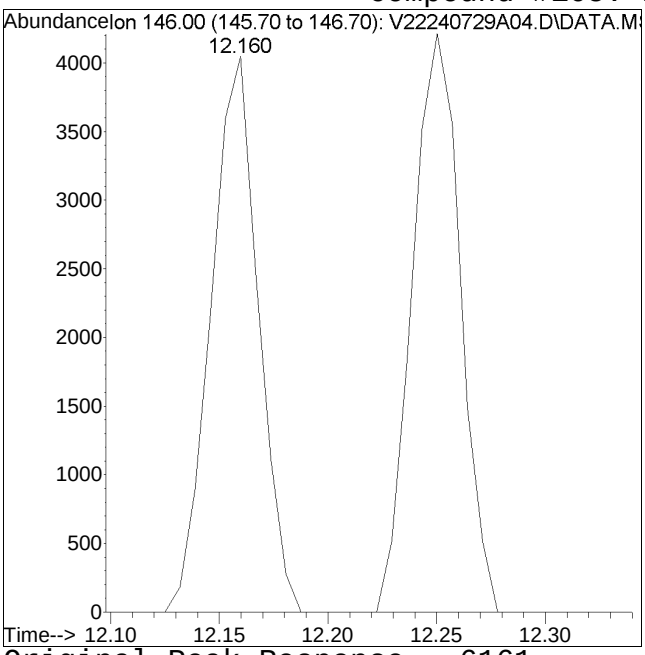
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

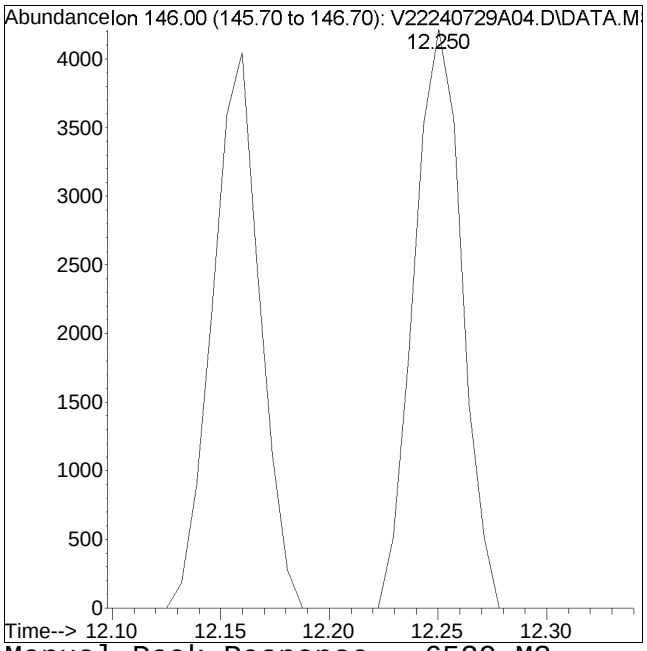
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A04.D
Date Inj'd : 7/29/2024 1:47 pm
Sample : I8260STD0.5PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:56 am

Compound #105: 1,4-Dichlorobenzene



Original Peak Response = 6161



Manual Peak Response = 6529 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A06.D
Acq On : 29 Jul 2024 02:36 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1953132,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 30 06:56:57 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	487751	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 96.18%			
62) Chlorobenzene-d5	9.519	117	406918	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 98.15%			
83) 1,4-Dichlorobenzene-d4	12.236	152	199758	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 97.76%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	185775	10.901	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.01%			
46) 1,2-Dichloroethane-d4	5.688	65	146804	10.191	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.91%			
63) Toluene-d8	7.675	98	515453	9.942	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.42%			
87) 4-Bromofluorobenzene	11.019	95	179700	9.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	14374	1.583	ug/L #	97
3) Chloromethane	1.808	50	28731	2.237	ug/L	98
4) Vinyl chloride	1.880	62	19430	1.912	ug/L	97
5) Bromomethane	2.188	94	7454	1.826	ug/L	99
6) Chloroethane	2.306	64	12862	2.189	ug/L	95
7) Trichlorofluoromethane	2.444	101	17429	1.592	ug/L	97
8) Ethyl ether	2.739	74	6753	1.989	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	12332	1.828	ug/L #	77
11) Carbon disulfide	2.962	76	44351	2.001	ug/L	98
12) Freon-113	2.975	101	9445	1.450	ug/L	93
13) Iodomethane	3.067	142	11855	1.459	ug/L	96
14) Acrolein	3.237	56	2376	2.049	ug/L	95
15) Methylene chloride	3.473	84	19892	2.224	ug/L #	57
17) Acetone	3.512	43	3914	2.106	ug/L #	84
18) trans-1,2-Dichloroethene	3.630	96	16471	2.087	ug/L	81
19) Methyl acetate	3.637	43	8697	2.073	ug/L #	77
21) Methyl tert-butyl ether	3.729	73	26147	1.732	ug/L #	70
22) tert-Butyl alcohol	3.807	59	2896	9.162	ug/L #	65
24) Diisopropyl ether	4.089	45	52947	1.867	ug/L #	90
25) 1,1-Dichloroethane	4.207	63	34894	2.164	ug/L	95
26) Halothane	4.253	117	10748	1.827	ug/L	98

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A06.D
Acq On : 29 Jul 2024 02:36 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1953132,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 30 06:56:57 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.246	53	4335	1.948	ug/L		93
28) Ethyl tert-butyl ether	4.436	59	34490	1.693	ug/L		82
29) Vinyl acetate	4.443	43	28178	1.662	ug/L	#	86
30) cis-1,2-Dichloroethene	4.725	96	19099	2.183	ug/L	#	82
31) 2,2-Dichloropropane	4.830	77	19123	1.893	ug/L	#	68
32) Bromochloromethane	4.915	128	8964	2.171	ug/L	#	63
33) Cyclohexane	4.928	56	17826	1.205	ug/L		66
34) Chloroform	4.987	83	30215	2.165	ug/L	#	93
35) Ethyl acetate	5.098	43	9383	1.713	ug/L	#	88
36) Carbon tetrachloride	5.125	117	16650	1.653	ug/L	#	92
37) Tetrahydrofuran	5.144	42	3376M6	1.880	ug/L		
39) 1,1,1-Trichloroethane	5.190	97	21558	1.832	ug/L		94
41) 2-Butanone	5.275	43	4092	1.786	ug/L	#	46
42) 1,1-Dichloropropene	5.315	75	15587	1.642	ug/L		99
44) Benzene	5.557	78	65545	2.122	ug/L	#	90
45) tert-Amyl methyl ether	5.675	73	16639	1.686	ug/L	#	75
47) 1,2-Dichloroethane	5.754	62	16066	2.081	ug/L		96
50) Methyl cyclohexane	6.153	83	9145	1.017	ug/L	#	55
51) Trichloroethene	6.153	95	12084	1.839	ug/L		95
53) Dibromomethane	6.591	93	6620	1.993	ug/L	#	80
54) 1,2-Dichloropropane	6.695	63	12801	1.856	ug/L		94
56) 2-Chloroethyl vinyl ether	7.397	63	4048	1.532	ug/L	#	72
57) Bromodichloromethane	6.764	83	15295	1.879	ug/L		100
60) 1,4-Dioxane	6.973	88	11033	405.375	ug/L	#	57
61) cis-1,3-Dichloropropene	7.459	75	14552	1.735	ug/L	#	80
64) Toluene	7.730	92	32572	1.943	ug/L		99
65) 4-Methyl-2-pentanone	8.161	58	1861	1.387	ug/L	#	51
66) Tetrachloroethene	8.175	166	10779	1.640	ug/L		91
68) trans-1,3-Dichloropropene	8.210	75	11279	1.599	ug/L	#	79
70) Ethyl methacrylate	8.411	69	7358	1.454	ug/L		91
71) 1,1,2-Trichloroethane	8.398	83	6445	1.637	ug/L		98
72) Chlorodibromomethane	8.607	129	9532	1.658	ug/L		99
73) 1,3-Dichloropropane	8.719	76	13298	1.723	ug/L		99
74) 1,2-Dibromoethane	8.880	107	7274	1.649	ug/L		100
76) 2-Hexanone	9.175	43	3695	1.577	ug/L	#	79
77) Chlorobenzene	9.540	112	38909	2.050	ug/L		95
78) Ethylbenzene	9.589	91	57821	1.827	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.624	131	10358	1.715	ug/L		98
80) p/m Xylene	9.778	106	44163	3.595	ug/L		99
81) o Xylene	10.318	106	42079	3.622	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A06.D
Acq On : 29 Jul 2024 02:36 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1953132,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 30 06:56:57 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.381	104	67724	3.624	ug/L		99
84) Bromoform	10.395	173	4704	1.565	ug/L		99
86) Isopropylbenzene	10.704	105	52842	1.705	ug/L		97
88) Bromobenzene	11.132	156	14174	1.945	ug/L		99
89) n-Propylbenzene	11.188	91	61128	1.698	ug/L		98
90) 1,4-Dichlorobutane	11.188	55	17672	1.876	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.258	83	9230	1.821	ug/L		99
92) 4-Ethyltoluene	11.314	105	50390	1.717	ug/L		100
93) 2-Chlorotoluene	11.349	91	41875M6	1.931	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	43761	1.760	ug/L		97
95) 1,2,3-Trichloropropane	11.398	75	7434	1.921	ug/L		94
96) trans-1,4-Dichloro-2-b...	11.454	53	3119	1.808	ug/L	#	56
97) 4-Chlorotoluene	11.531	91	42805	1.912	ug/L		99
98) tert-Butylbenzene	11.756	119	34068	1.578	ug/L		98
101) 1,2,4-Trimethylbenzene	11.833	105	49753	1.791	ug/L		100
102) sec-Butylbenzene	11.944	105	46682	1.533	ug/L		98
103) p-Isopropyltoluene	12.104	119	39172	1.537	ug/L		99
104) 1,3-Dichlorobenzene	12.160	146	28831	1.995	ug/L		98
105) 1,4-Dichlorobenzene	12.250	146	28455M3	1.985	ug/L		
106) p-Diethylbenzene	12.473	119	22597	1.532	ug/L		97
107) n-Butylbenzene	12.536	91	33165	1.561	ug/L		97
108) 1,2-Dichlorobenzene	12.675	146	25083	1.962	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.273	119	29425	1.464	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.461	155	1071	1.661	ug/L		98
111) 1,3,5-Trichlorobenzene	13.496	180	15256	1.832	ug/L		96
112) Hexachlorobutadiene	14.074	225	4160	1.520	ug/L		97
113) 1,2,4-Trichlorobenzene	14.095	180	12408	1.751	ug/L		99
114) Naphthalene	14.387	128	23297	1.550	ug/L		100
115) 1,2,3-Trichlorobenzene	14.554	180	11179	1.857	ug/L		97

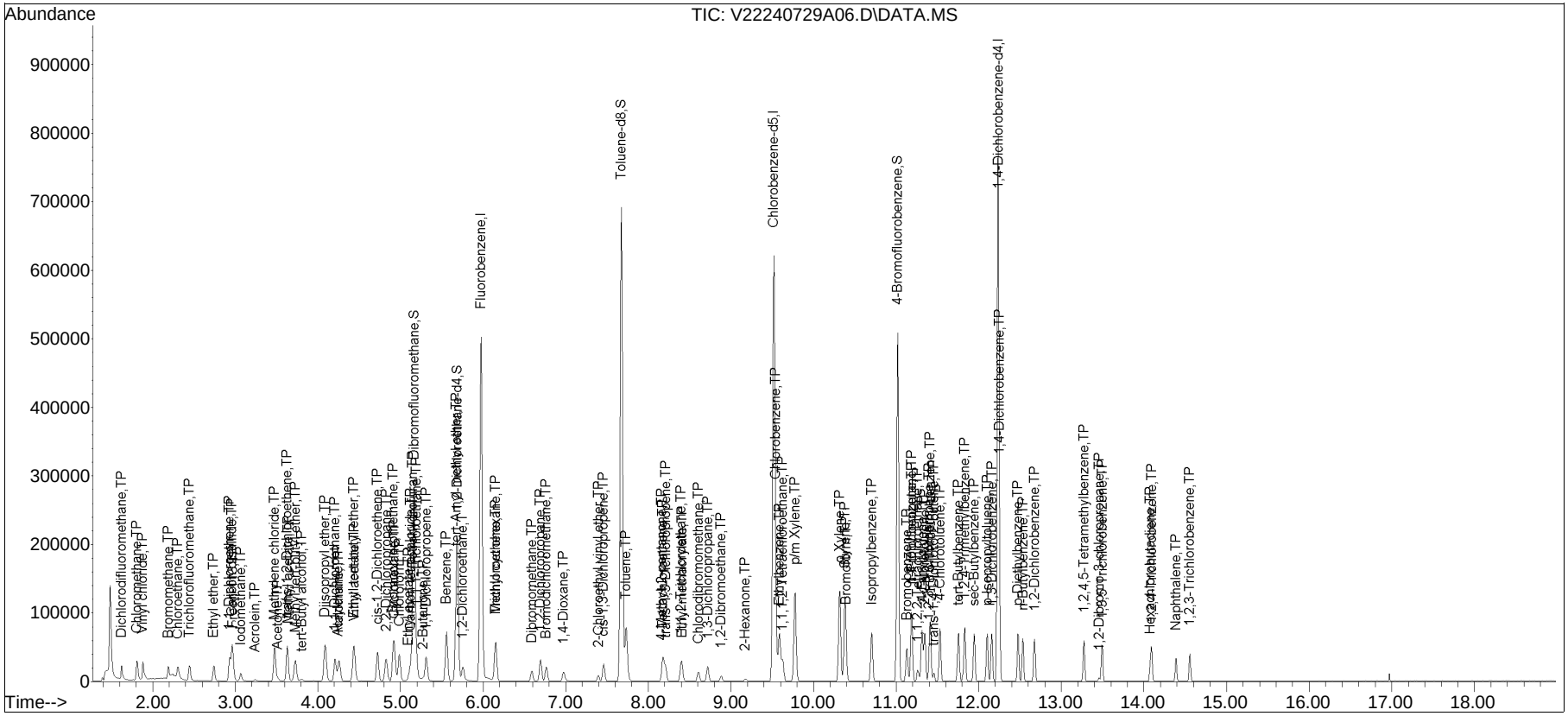
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A06.D
Acq On : 29 Jul 2024 02:36 pm
Operator : VOA122:PID
Sample : I8260STD2PPB
Misc : WG1953132,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 30 06:56:57 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•

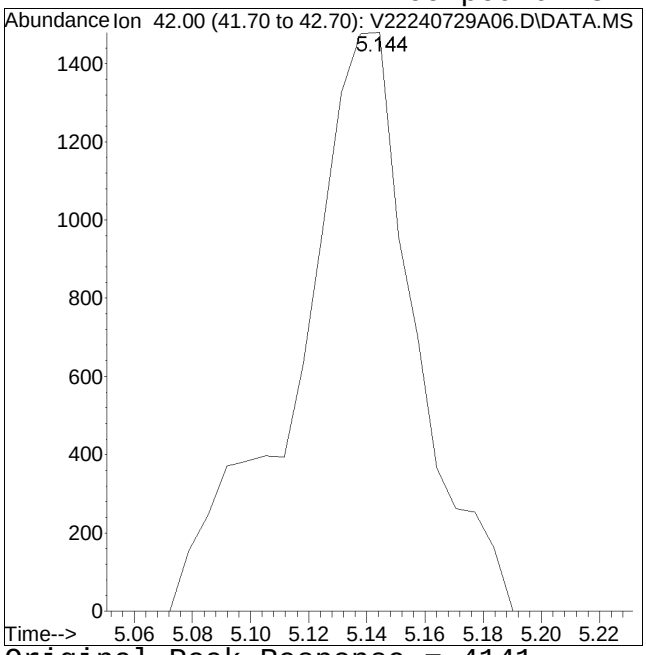


Manual Integration Report

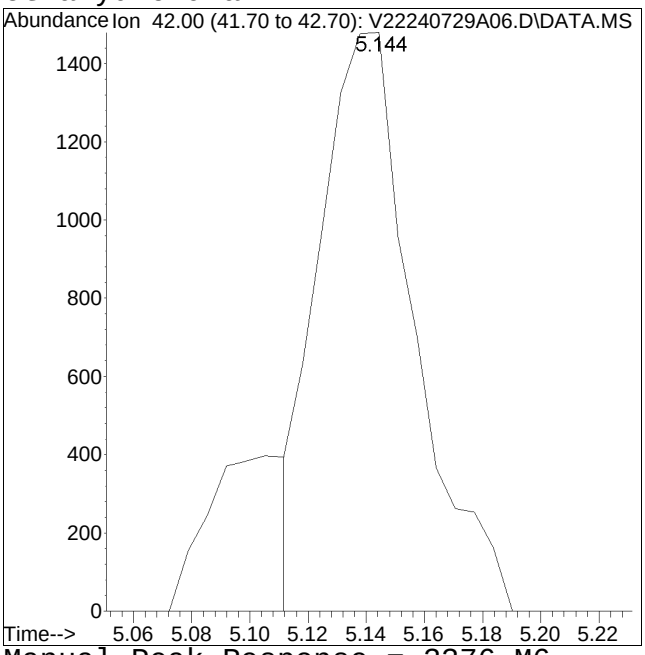
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A06.D
Date Inj'd : 7/29/2024 2:36 pm
Sample : I8260STD2PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:56 am

Compound #37: Tetrahydrofuran



Original Peak Response = 4141



Manual Peak Response = 3376 M6

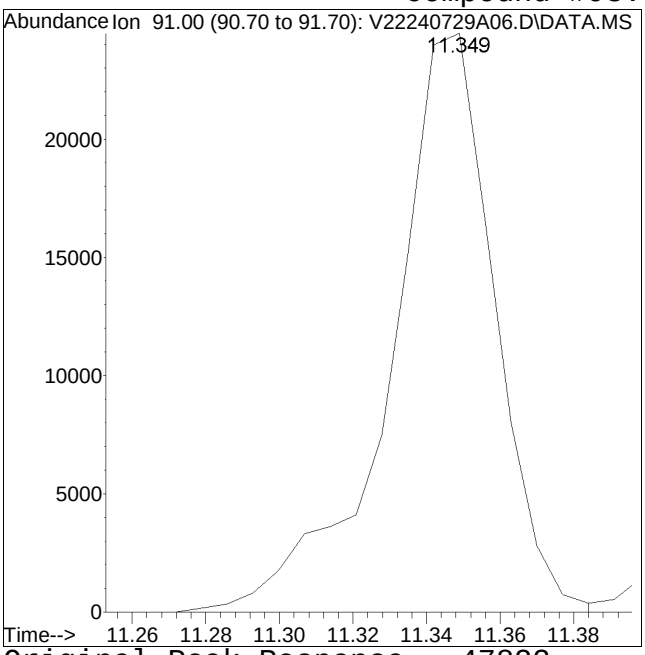
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

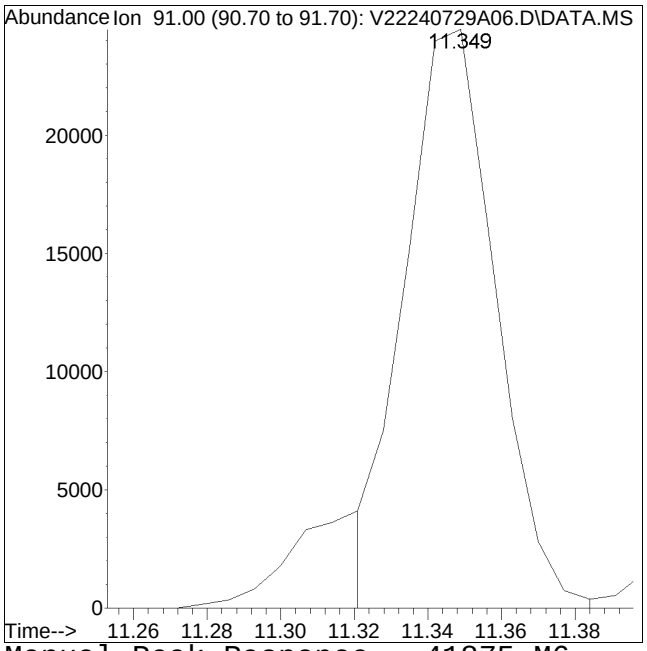
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A06.D
Date Inj'd : 7/29/2024 2:36 pm
Sample : I8260STD2PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:56 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 47822



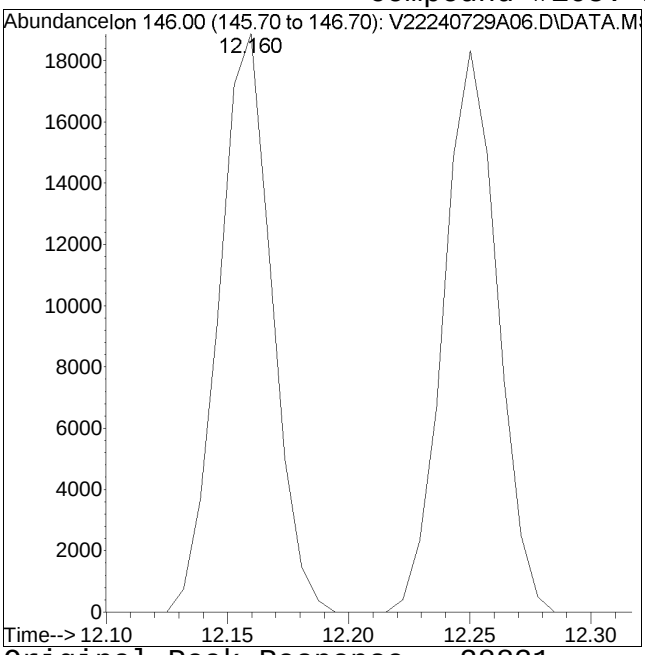
Manual Peak Response = 41875 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

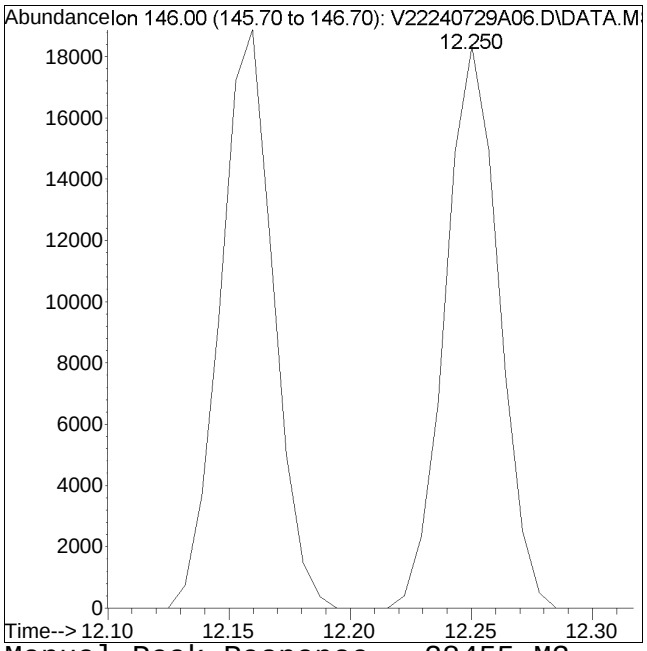
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A06.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 2:36 pm Instrument : VOA 122
Sample : I8260STD2PPB Quant Date : 7/30/2024 6:56 am

Compound #105: 1,4-Dichlorobenzene



Original Peak Response = 28831



Manual Peak Response = 28455 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A08.D
Acq On : 29 Jul 2024 03:25 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 30 06:57:04 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	507125	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 100.00%			
62) Chlorobenzene-d5	9.519	117	414608	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.236	152	204327	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	181826	10.262	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.62%			
46) 1,2-Dichloroethane-d4	5.688	65	154528	10.317	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.17%			
63) Toluene-d8	7.675	98	523398	9.908	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.08%			
87) 4-Bromofluorobenzene	11.019	95	190463	10.237	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.37%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	108996	11.544	ug/L	97
3) Chloromethane	1.808	50	153481	11.492	ug/L	98
4) Vinyl chloride	1.880	62	117707	11.140	ug/L	98
5) Bromomethane	2.188	94	38034	8.960	ug/L	97
6) Chloroethane	2.306	64	67600	11.068	ug/L	98
7) Trichlorofluoromethane	2.444	101	130266	11.442	ug/L	100
8) Ethyl ether	2.739	74	36785	10.423	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	77321	11.021	ug/L #	74
11) Carbon disulfide	2.962	76	258420	11.212	ug/L	100
12) Freon-113	2.968	101	78230	11.549	ug/L	93
13) Iodomethane	3.067	142	86985	10.298	ug/L	94
14) Acrolein	3.237	56	12611	10.460	ug/L	99
15) Methylene chloride	3.473	84	96763	10.403	ug/L #	59
17) Acetone	3.512	43	17562	9.089	ug/L	94
18) trans-1,2-Dichloroethene	3.630	96	89864	10.949	ug/L	83
19) Methyl acetate	3.630	43	43051	9.868	ug/L #	82
21) Methyl tert-butyl ether	3.729	73	160594	10.233	ug/L #	76
22) tert-Butyl alcohol	3.801	59	16964	51.618	ug/L #	83
24) Diisopropyl ether	4.089	45	301148	10.213	ug/L #	92
25) 1,1-Dichloroethane	4.207	63	185342	11.057	ug/L	95
26) Halothane	4.260	117	67082	10.965	ug/L	100

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A08.D
Acq On : 29 Jul 2024 03:25 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 30 06:57:04 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.246	53	24656	10.655	ug/L		99
28) Ethyl tert-butyl ether	4.437	59	209281	9.882	ug/L	#	80
29) Vinyl acetate	4.437	43	179190	10.167	ug/L	#	87
30) cis-1,2-Dichloroethene	4.725	96	99687	10.960	ug/L	#	82
31) 2,2-Dichloropropane	4.830	77	113817	10.834	ug/L	#	72
32) Bromochloromethane	4.915	128	47106	10.975	ug/L	#	66
33) Cyclohexane	4.928	56	177898	11.568	ug/L		66
34) Chloroform	4.987	83	153810	10.602	ug/L	#	94
35) Ethyl acetate	5.092	43	56116	9.852	ug/L	#	93
36) Carbon tetrachloride	5.125	117	118186	11.288	ug/L		98
37) Tetrahydrofuran	5.138	42	19281M6	10.330	ug/L		
39) 1,1,1-Trichloroethane	5.190	97	133168	10.885	ug/L		95
41) 2-Butanone	5.275	43	22509	9.447	ug/L	#	41
42) 1,1-Dichloropropene	5.308	75	108351	10.976	ug/L		99
44) Benzene	5.557	78	332787	10.361	ug/L	#	90
45) tert-Amyl methyl ether	5.669	73	96339	9.388	ug/L	#	81
47) 1,2-Dichloroethane	5.754	62	86117	10.731	ug/L		97
50) Methyl cyclohexane	6.153	83	101349	10.837	ug/L	#	63
51) Trichloroethene	6.153	95	72595	10.626	ug/L		95
53) Dibromomethane	6.591	93	35862	10.384	ug/L	#	82
54) 1,2-Dichloropropane	6.695	63	78055	10.882	ug/L	#	94
56) 2-Chloroethyl vinyl ether	7.397	63	26732	9.728	ug/L	#	76
57) Bromodichloromethane	6.764	83	88515	10.459	ug/L		99
60) 1,4-Dioxane	6.980	88	15178	536.365	ug/L	#	52
61) cis-1,3-Dichloropropene	7.459	75	94563	10.843	ug/L	#	83
64) Toluene	7.730	92	177081	10.369	ug/L		100
65) 4-Methyl-2-pentanone	8.168	58	11706	8.565	ug/L	#	62
66) Tetrachloroethene	8.182	166	69874	10.434	ug/L		94
68) trans-1,3-Dichloropropene	8.210	75	72626	10.102	ug/L	#	82
70) Ethyl methacrylate	8.412	69	51468	9.985	ug/L		98
71) 1,1,2-Trichloroethane	8.398	83	38889	9.697	ug/L		96
72) Chlorodibromomethane	8.607	129	57490	9.816	ug/L		100
73) 1,3-Dichloropropane	8.719	76	78139	9.937	ug/L		99
74) 1,2-Dibromoethane	8.880	107	44345	9.867	ug/L		99
76) 2-Hexanone	9.175	43	22658	9.491	ug/L	#	84
77) Chlorobenzene	9.540	112	201339	10.409	ug/L		91
78) Ethylbenzene	9.589	91	352544	10.933	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.624	131	59593	9.686	ug/L		97
80) p/m Xylene	9.778	106	275639	22.022	ug/L		99
81) o Xylene	10.318	106	259398	21.915	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A08.D
Acq On : 29 Jul 2024 03:25 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 30 06:57:04 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.381	104	417260	21.916	ug/L		100
84) Bromoform	10.395	173	27898	9.076	ug/L		98
86) Isopropylbenzene	10.704	105	352704	11.128	ug/L		98
88) Bromobenzene	11.132	156	76366	10.247	ug/L		100
89) n-Propylbenzene	11.188	91	407322	11.060	ug/L		98
90) 1,4-Dichlorobutane	11.188	55	96756	10.043	ug/L		93
91) 1,1,2,2-Tetrachloroethane	11.265	83	50331	9.708	ug/L		99
92) 4-Ethyltoluene	11.314	105	327354	10.906	ug/L		99
93) 2-Chlorotoluene	11.349	91	236113M6	10.643	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	275826	10.844	ug/L		99
95) 1,2,3-Trichloropropane	11.405	75	39105	9.881	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.454	53	17036	9.653	ug/L	#	67
97) 4-Chlorotoluene	11.531	91	243559	10.638	ug/L		99
98) tert-Butylbenzene	11.756	119	242602	10.988	ug/L		98
101) 1,2,4-Trimethylbenzene	11.833	105	312105	10.982	ug/L		99
102) sec-Butylbenzene	11.944	105	351706	11.291	ug/L		98
103) p-Isopropyltoluene	12.104	119	294081	11.285	ug/L		99
104) 1,3-Dichlorobenzene	12.160	146	155327	10.507	ug/L		98
105) 1,4-Dichlorobenzene	12.250	146	151816	10.355	ug/L		96
106) p-Diethylbenzene	12.480	119	165253	10.953	ug/L		99
107) n-Butylbenzene	12.536	91	248066	11.416	ug/L		98
108) 1,2-Dichlorobenzene	12.675	146	136372	10.427	ug/L		97
109) 1,2,4,5-Tetramethylben...	13.274	119	221635	10.778	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.454	155	6822	10.341	ug/L		96
111) 1,3,5-Trichlorobenzene	13.489	180	90492	10.622	ug/L		96
112) Hexachlorobutadiene	14.074	225	30687	10.961	ug/L		98
113) 1,2,4-Trichlorobenzene	14.095	180	75100	10.360	ug/L		98
114) Naphthalene	14.387	128	157343	10.234	ug/L		100
115) 1,2,3-Trichlorobenzene	14.554	180	64316	10.445	ug/L		98

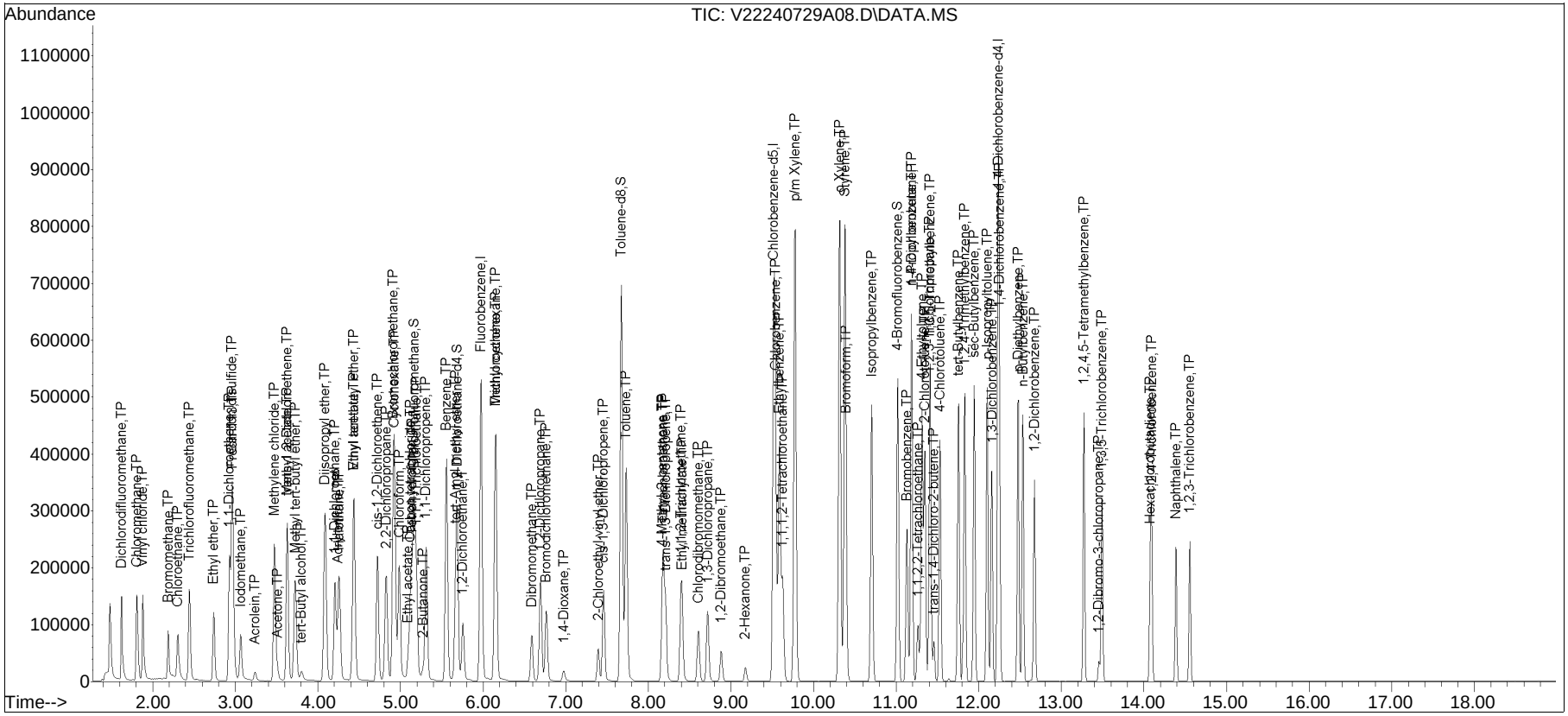
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A08.D
Acq On : 29 Jul 2024 03:25 pm
Operator : VOA122:PID
Sample : I8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 30 06:57:04 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•

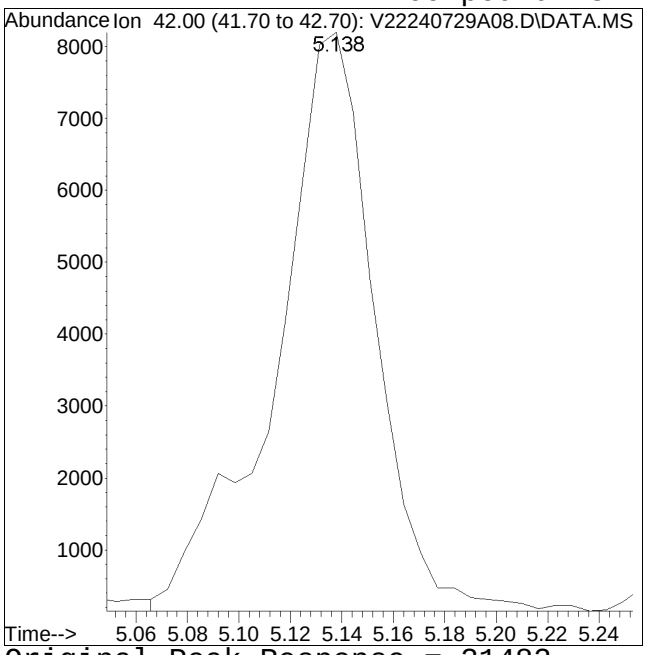


Manual Integration Report

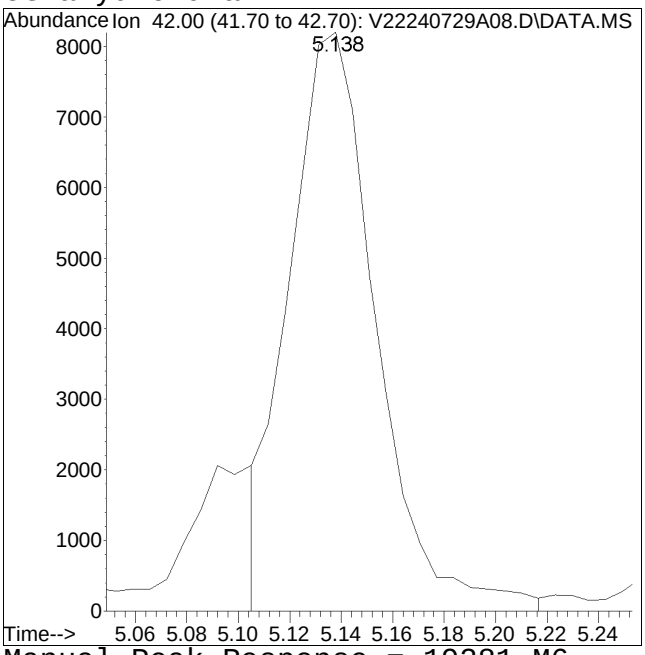
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A08.D
Date Inj'd : 7/29/2024 3:25 pm
Sample : I8260STD10PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #37: Tetrahydrofuran



Original Peak Response = 21482



Manual Peak Response = 19281 M6

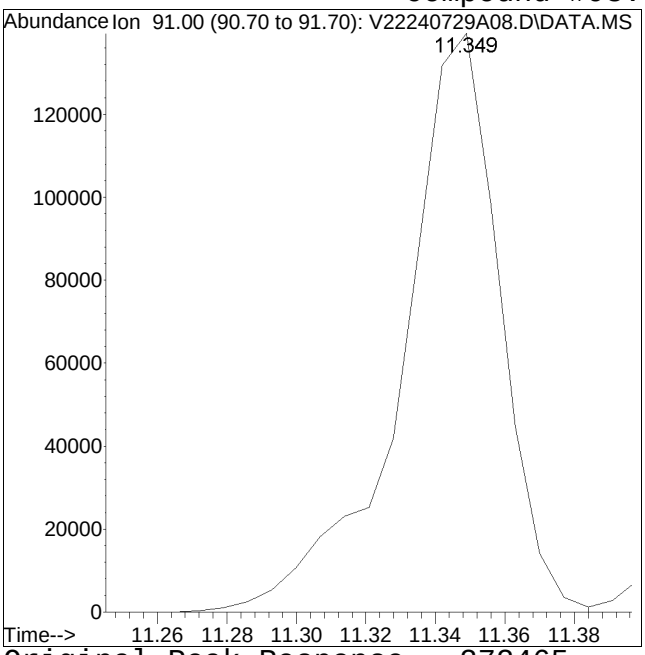
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

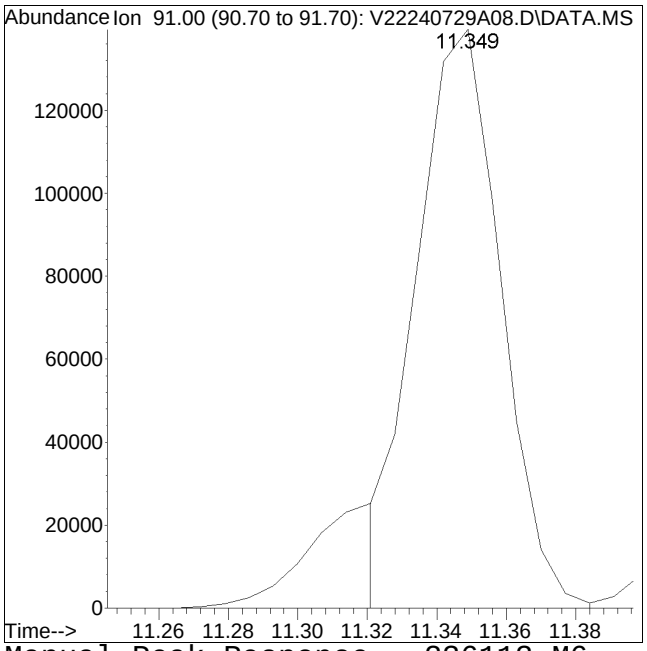
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A08.D
Date Inj'd : 7/29/2024 3:25 pm
Sample : I8260STD10PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 272465



Manual Peak Response = 236113 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A09.D
Acq On : 29 Jul 2024 03:50 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1953132,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 30 06:57:11 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	565935	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 111.60%			
62) Chlorobenzene-d5	9.519	117	434743	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 104.86%			
83) 1,4-Dichlorobenzene-d4	12.236	152	212864	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 104.18%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	191820	9.701	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.01%			
46) 1,2-Dichloroethane-d4	5.688	65	165884	9.924	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.24%			
63) Toluene-d8	7.675	98	557077	10.057	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.57%			
87) 4-Bromofluorobenzene	11.019	95	196659	10.146	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.46%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	378740	35.946	ug/L #	96
3) Chloromethane	1.808	50	470305	31.556	ug/L	98
4) Vinyl chloride	1.880	62	392548	33.292	ug/L	97
5) Bromomethane	2.188	94	133556	28.195	ug/L	98
6) Chloroethane	2.306	64	213118	31.267	ug/L	96
7) Trichlorofluoromethane	2.444	101	446957	35.178	ug/L	98
8) Ethyl ether	2.739	74	118047	29.972	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	262276	33.498	ug/L #	75
11) Carbon disulfide	2.962	76	833671	32.412	ug/L	100
12) Freon-113	2.975	101	270274	35.754	ug/L	93
13) Iodomethane	3.067	142	322209	34.183	ug/L	94
14) Acrolein	3.237	56	42198	31.364	ug/L	97
15) Methylene chloride	3.473	84	292914	28.219	ug/L #	60
17) Acetone	3.512	43	56239	26.080	ug/L	95
18) trans-1,2-Dichloroethene	3.630	96	282376	30.830	ug/L	81
19) Methyl acetate	3.630	43	142046	29.175	ug/L #	82
21) Methyl tert-butyl ether	3.729	73	556748	31.788	ug/L #	78
22) tert-Butyl alcohol	3.801	59	57232	156.049	ug/L #	85
24) Diisopropyl ether	4.089	45	1055329	32.070	ug/L #	90
25) 1,1-Dichloroethane	4.207	63	577354	30.863	ug/L	96
26) Halothane	4.260	117	216034	31.641	ug/L	98

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A09.D
Acq On : 29 Jul 2024 03:50 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1953132,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 30 06:57:11 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.246	53	80853	31.309	ug/L		96
28) Ethyl tert-butyl ether	4.437	59	775535	32.814	ug/L		81
29) Vinyl acetate	4.437	43	644173	32.750	ug/L	#	88
30) cis-1,2-Dichloroethene	4.725	96	310342	30.573	ug/L	#	82
31) 2,2-Dichloropropane	4.830	77	374216	31.919	ug/L	#	76
32) Bromochloromethane	4.915	128	143259	29.908	ug/L	#	65
33) Cyclohexane	4.928	56	641466	37.378	ug/L		68
34) Chloroform	4.987	83	486176	30.028	ug/L	#	95
35) Ethyl acetate	5.099	43	197775	31.115	ug/L	#	92
36) Carbon tetrachloride	5.131	117	400986	34.319	ug/L		99
37) Tetrahydrofuran	5.138	42	64462M6	30.946	ug/L		
39) 1,1,1-Trichloroethane	5.190	97	441094	32.307	ug/L		95
41) 2-Butanone	5.275	43	83376	31.356	ug/L	#	48
42) 1,1-Dichloropropene	5.315	75	376784	34.203	ug/L		100
44) Benzene	5.557	78	1175448	32.792	ug/L	#	91
45) tert-Amyl methyl ether	5.669	73	353712	30.887	ug/L	#	85
47) 1,2-Dichloroethane	5.754	62	274844	30.689	ug/L		97
50) Methyl cyclohexane	6.153	83	384184	36.812	ug/L	#	64
51) Trichloroethene	6.153	95	243495	31.937	ug/L		98
53) Dibromomethane	6.591	93	118845	30.835	ug/L	#	81
54) 1,2-Dichloropropane	6.695	63	257294	32.144	ug/L		94
56) 2-Chloroethyl vinyl ether	7.397	63	100117	32.647	ug/L	#	78
57) Bromodichloromethane	6.764	83	299476	31.708	ug/L		100
60) 1,4-Dioxane	6.980	88	20073	635.634	ug/L	#	60
61) cis-1,3-Dichloropropene	7.459	75	334440	34.362	ug/L	#	83
64) Toluene	7.730	92	570532	31.860	ug/L		99
65) 4-Methyl-2-pentanone	8.168	58	44980	31.387	ug/L	#	66
66) Tetrachloroethene	8.182	166	236210	33.640	ug/L		94
68) trans-1,3-Dichloropropene	8.210	75	270746	35.916	ug/L		84
70) Ethyl methacrylate	8.412	69	184206	34.083	ug/L		93
71) 1,1,2-Trichloroethane	8.398	83	133185	31.672	ug/L		97
72) Chlorodibromomethane	8.607	129	204242	33.258	ug/L		100
73) 1,3-Dichloropropane	8.719	76	270530	32.812	ug/L		99
74) 1,2-Dibromoethane	8.880	107	155746	33.049	ug/L		99
76) 2-Hexanone	9.175	43	83715	33.444	ug/L	#	86
77) Chlorobenzene	9.540	112	633572	31.239	ug/L		90
78) Ethylbenzene	9.589	91	1113856	32.943	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.624	131	209804	32.521	ug/L		98
80) p/m Xylene	9.778	106	870043	66.291	ug/L		100
81) o Xylene	10.318	106	821986	66.227	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A09.D
Acq On : 29 Jul 2024 03:50 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1953132,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 30 06:57:11 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.381	104	1360113	68.130	ug/L		100
84) Bromoform	10.395	173	103387	32.285	ug/L		99
86) Isopropylbenzene	10.704	105	1131099	34.257	ug/L		99
88) Bromobenzene	11.132	156	242548	31.239	ug/L		99
89) n-Propylbenzene	11.188	91	1307573	34.081	ug/L		99
90) 1,4-Dichlorobutane	11.195	55	317576	31.642	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	170195	31.511	ug/L		99
92) 4-Ethyltoluene	11.314	105	1049570	33.564	ug/L		100
93) 2-Chlorotoluene	11.349	91	738915M6	31.972	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	871493	32.889	ug/L		99
95) 1,2,3-Trichloropropane	11.405	75	130817	31.730	ug/L		97
96) trans-1,4-Dichloro-2-b...	11.454	53	60092	32.684	ug/L	#	73
97) 4-Chlorotoluene	11.531	91	769042	32.242	ug/L		99
98) tert-Butylbenzene	11.756	119	789435	34.322	ug/L		98
101) 1,2,4-Trimethylbenzene	11.833	105	982161	33.172	ug/L		99
102) sec-Butylbenzene	11.944	105	1135952	35.007	ug/L		98
103) p-Isopropyltoluene	12.104	119	942343	34.710	ug/L		99
104) 1,3-Dichlorobenzene	12.160	146	483221	31.376	ug/L		97
105) 1,4-Dichlorobenzene	12.250	146	471520	30.871	ug/L		97
106) p-Diethylbenzene	12.473	119	540120	34.363	ug/L		98
107) n-Butylbenzene	12.536	91	782912	34.586	ug/L		99
108) 1,2-Dichlorobenzene	12.675	146	428145	31.424	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	761613	35.551	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.454	155	23868	34.730	ug/L		98
111) 1,3,5-Trichlorobenzene	13.489	180	286550	32.287	ug/L		97
112) Hexachlorobutadiene	14.074	225	96947	33.240	ug/L		98
113) 1,2,4-Trichlorobenzene	14.095	180	246099	32.588	ug/L		98
114) Naphthalene	14.387	128	563728	35.196	ug/L		100
115) 1,2,3-Trichlorobenzene	14.554	180	209547	32.665	ug/L		98

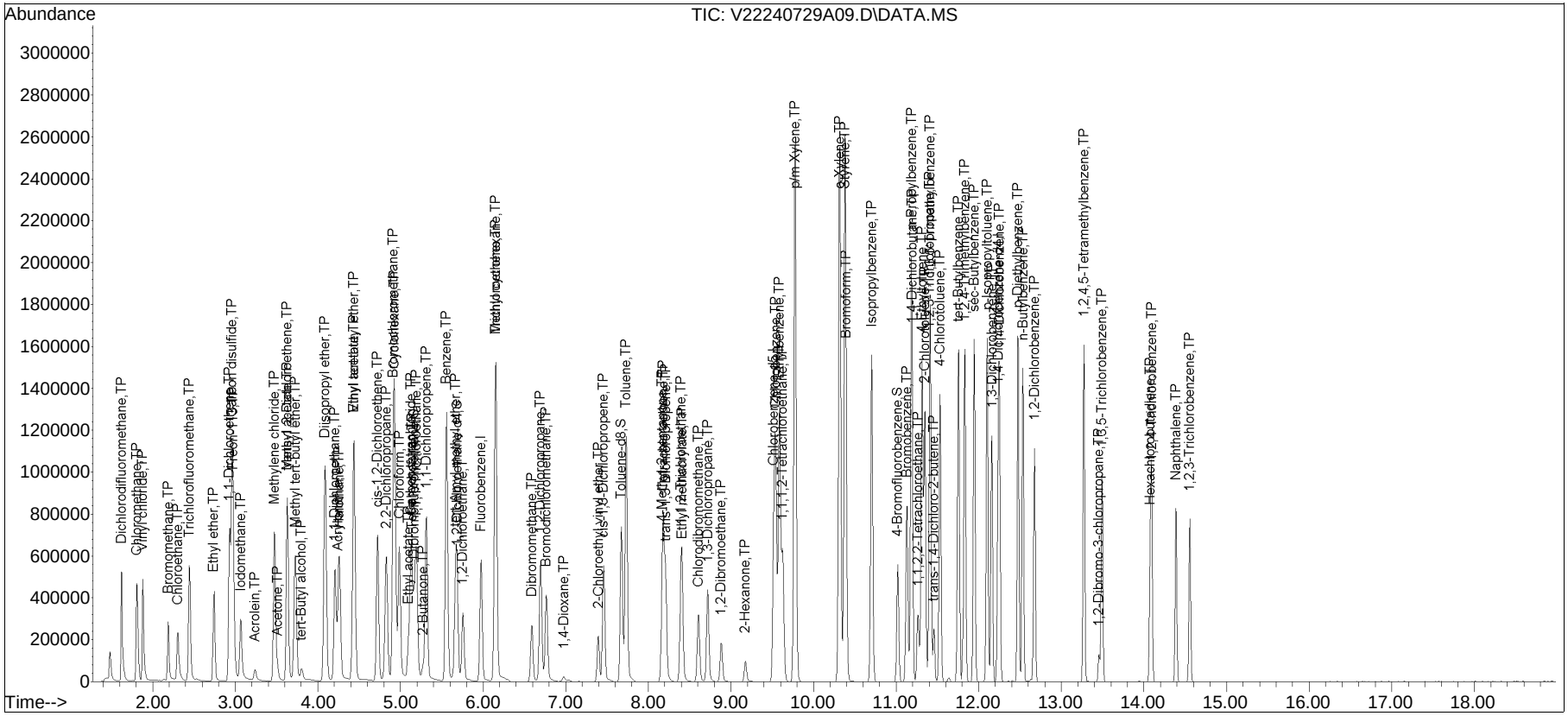
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A09.D
Acq On : 29 Jul 2024 03:50 pm
Operator : VOA122:PID
Sample : I8260STD30PPB
Misc : WG1953132,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 30 06:57:11 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•

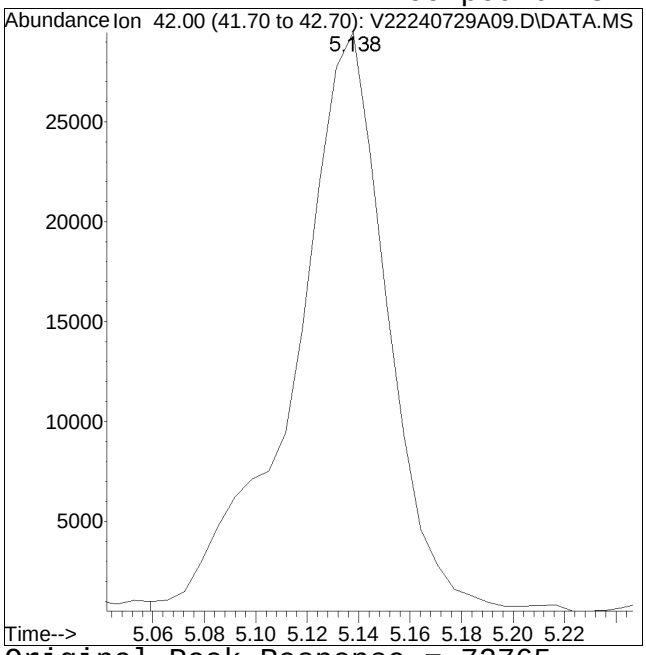


Manual Integration Report

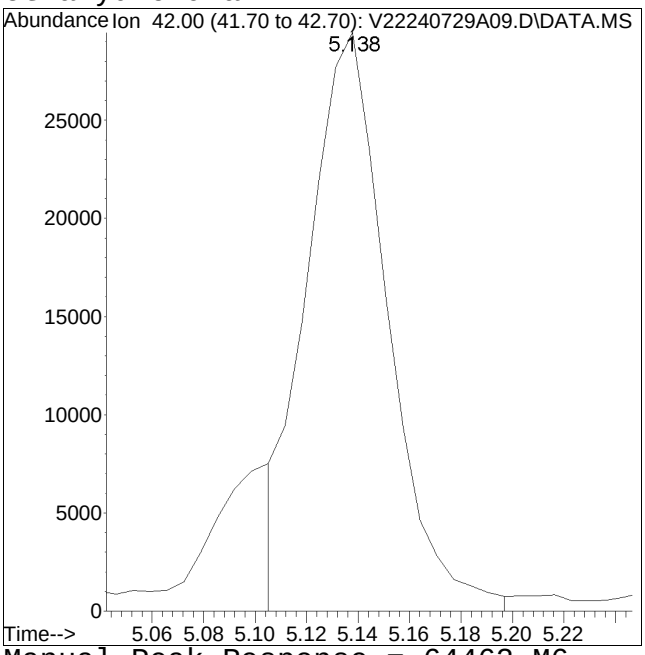
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A09.D
Date Inj'd : 7/29/2024 3:50 pm
Sample : I8260STD30PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #37: Tetrahydrofuran



Original Peak Response = 72765



Manual Peak Response = 64462 M6

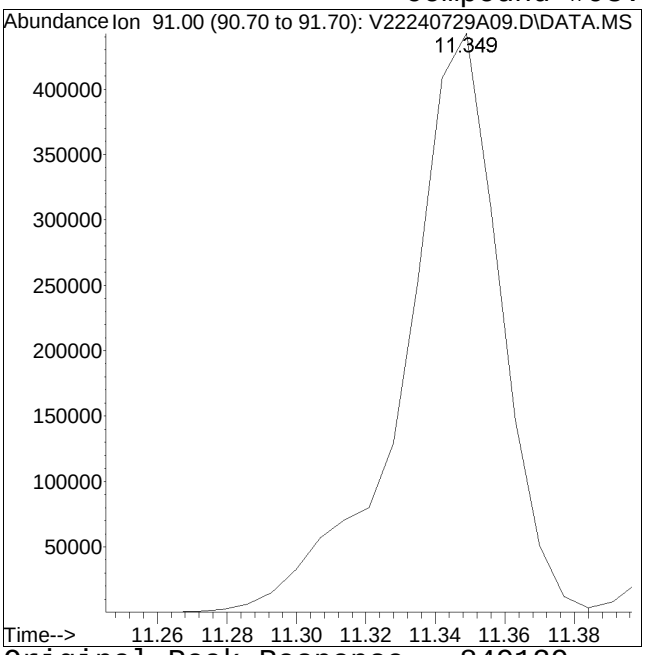
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

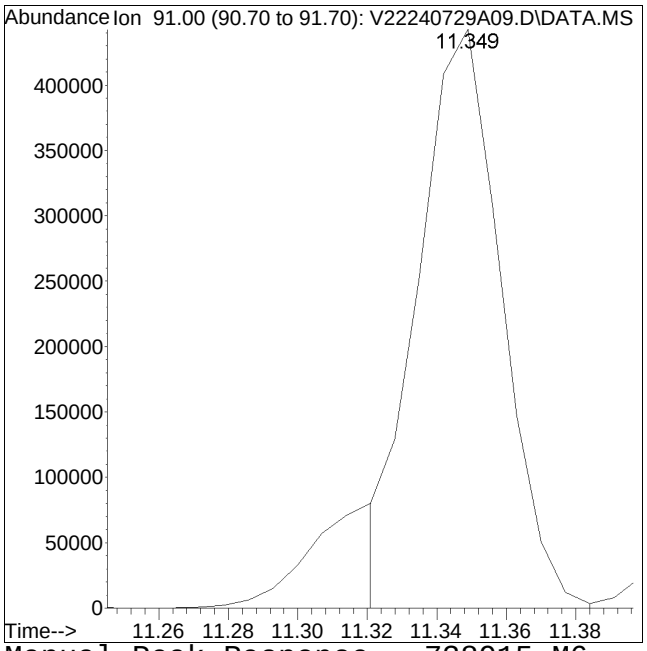
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A09.D
Date Inj'd : 7/29/2024 3:50 pm
Sample : I8260STD30PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 849129



Manual Peak Response = 738915 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A10.D
Acq On : 29 Jul 2024 04:15 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1953132,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 06:57:18 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	604048	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 119.11%			
62) Chlorobenzene-d5	9.519	117	456299	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 110.06%			
83) 1,4-Dichlorobenzene-d4	12.237	152	226202	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 110.71%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	196896	9.329	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.29%			
46) 1,2-Dichloroethane-d4	5.689	65	174684	9.791	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.91%			
63) Toluene-d8	7.675	98	587934	10.113	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.13%			
87) 4-Bromofluorobenzene	11.020	95	203677	9.888	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	1009587	89.774	ug/L	96
3) Chloromethane	1.809	50	1222744	76.866	ug/L	98
4) Vinyl chloride	1.881	62	1050049	83.434	ug/L	97
5) Bromomethane	2.189	94	426766	84.410	ug/L	98
6) Chloroethane	2.300	64	563492	77.455	ug/L	97
7) Trichlorofluoromethane	2.444	101	1217222	89.757	ug/L	99
8) Ethyl ether	2.746	74	341896	81.329	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	706380	84.526	ug/L #	78
11) Carbon disulfide	2.962	76	2177308	79.309	ug/L	99
12) Freon-113	2.975	101	724978	89.856	ug/L	93
13) Iodomethane	3.067	142	963932	95.809	ug/L	93
14) Acrolein	3.237	56	121266	84.445	ug/L	98
15) Methylene chloride	3.473	84	790851	71.383	ug/L #	62
17) Acetone	3.513	43	153155	66.542	ug/L	98
18) trans-1,2-Dichloroethene	3.631	96	773909	79.164	ug/L	83
19) Methyl acetate	3.631	43	400524	77.073	ug/L #	82
21) Methyl tert-butyl ether	3.729	73	1586398	84.861	ug/L #	80
22) tert-Butyl alcohol	3.801	59	168322	429.989	ug/L #	79
24) Diisopropyl ether	4.090	45	2981253	84.879	ug/L #	90
25) 1,1-Dichloroethane	4.207	63	1541876	77.223	ug/L	96
26) Halothane	4.260	117	611759	83.948	ug/L	100

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A10.D
Acq On : 29 Jul 2024 04:15 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1953132,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 06:57:18 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.247	53	221081	80.210	ug/L		96
28) Ethyl tert-butyl ether	4.437	59	2201604	87.275	ug/L	#	81
29) Vinyl acetate	4.443	43	1863003	88.740	ug/L	#	88
30) cis-1,2-Dichloroethene	4.725	96	833067	76.891	ug/L	#	83
31) 2,2-Dichloropropane	4.830	77	1021587	81.639	ug/L	#	79
32) Bromochloromethane	4.915	128	392233	76.720	ug/L	#	69
33) Cyclohexane	4.928	56	1709623	93.334	ug/L		69
34) Chloroform	4.987	83	1323780	76.604	ug/L	#	94
35) Ethyl acetate	5.099	43	569659	83.967	ug/L	#	92
36) Carbon tetrachloride	5.132	117	1103046	88.449	ug/L		99
37) Tetrahydrofuran	5.132	42	180135M6	81.020	ug/L		
39) 1,1,1-Trichloroethane	5.191	97	1232348	84.566	ug/L		96
41) 2-Butanone	5.276	43	240159	84.621	ug/L	#	47
42) 1,1-Dichloropropene	5.315	75	1031814	87.753	ug/L		100
44) Benzene	5.558	78	3201040	83.667	ug/L	#	91
45) tert-Amyl methyl ether	5.669	73	1054687	86.288	ug/L	#	88
47) 1,2-Dichloroethane	5.754	62	742873	77.716	ug/L		98
50) Methyl cyclohexane	6.154	83	1081945	97.129	ug/L	#	64
51) Trichloroethene	6.154	95	674311	82.863	ug/L		97
53) Dibromomethane	6.591	93	329723	80.152	ug/L	#	82
54) 1,2-Dichloropropane	6.695	63	712653	83.414	ug/L		94
56) 2-Chloroethyl vinyl ether	7.397	63	302915	92.545	ug/L	#	79
57) Bromodichloromethane	6.765	83	842655	83.590	ug/L		100
60) 1,4-Dioxane	6.973	88	26263	779.173	ug/L	#	56
61) cis-1,3-Dichloropropene	7.460	75	959633	92.377	ug/L	#	84
64) Toluene	7.731	92	1559743	82.986	ug/L		98
65) 4-Methyl-2-pentanone	8.162	58	135905	90.355	ug/L	#	67
66) Tetrachloroethene	8.182	166	653514	88.674	ug/L		94
68) trans-1,3-Dichloropropene	8.210	75	782486	98.897	ug/L		85
70) Ethyl methacrylate	8.412	69	536517	94.579	ug/L		95
71) 1,1,2-Trichloroethane	8.398	83	404802	91.716	ug/L		98
72) Chlorodibromomethane	8.607	129	592883	91.983	ug/L		100
73) 1,3-Dichloropropane	8.720	76	760068	87.831	ug/L		99
74) 1,2-Dibromoethane	8.881	107	447228	90.418	ug/L		100
76) 2-Hexanone	9.175	43	250363	95.295	ug/L		88
77) Chlorobenzene	9.540	112	1720439	80.820	ug/L		90
78) Ethylbenzene	9.589	91	2998362	84.490	ug/L		100
79) 1,1,1,2-Tetrachloroethane	9.624	131	607602	89.732	ug/L		99
80) p/m Xylene	9.778	106	2360025	171.323	ug/L		98
81) o Xylene	10.318	106	2248914	172.634	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A10.D
Acq On : 29 Jul 2024 04:15 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1953132,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 06:57:18 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.382	104	3701149	176.638	ug/L		99
84) Bromoform	10.396	173	311735	91.606	ug/L		99
86) Isopropylbenzene	10.704	105	3038692	86.604	ug/L		100
88) Bromobenzene	11.132	156	669659	81.163	ug/L		99
89) n-Propylbenzene	11.188	91	3524612	86.450	ug/L		100
90) 1,4-Dichlorobutane	11.195	55	890525	83.496	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	481761	83.938	ug/L		99
92) 4-Ethyltoluene	11.314	105	2856846	85.971	ug/L		100
93) 2-Chlorotoluene	11.349	91	2005453M6	81.657	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	2400965	85.266	ug/L		99
95) 1,2,3-Trichloropropane	11.405	75	364924M1	83.294	ug/L		
96) trans-1,4-Dichloro-2-b...	11.454	53	171854	87.959	ug/L	#	78
97) 4-Chlorotoluene	11.532	91	2095062	82.655	ug/L		100
98) tert-Butylbenzene	11.756	119	2152120	88.051	ug/L		97
101) 1,2,4-Trimethylbenzene	11.833	105	2676166	85.056	ug/L		99
102) sec-Butylbenzene	11.944	105	3063225	88.833	ug/L		99
103) p-Isopropyltoluene	12.104	119	2574669	89.241	ug/L		99
104) 1,3-Dichlorobenzene	12.160	146	1327463	81.110	ug/L		97
105) 1,4-Dichlorobenzene	12.251	146	1292372	79.623	ug/L		97
106) p-Diethylbenzene	12.480	119	1493217	89.397	ug/L		98
107) n-Butylbenzene	12.536	91	2119410	88.106	ug/L		99
108) 1,2-Dichlorobenzene	12.675	146	1181566	81.607	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	2111496	92.750	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.455	155	72691	99.534	ug/L		99
111) 1,3,5-Trichlorobenzene	13.490	180	783599	83.086	ug/L		97
112) Hexachlorobutadiene	14.074	225	265905	85.793	ug/L		99
113) 1,2,4-Trichlorobenzene	14.095	180	687445	85.663	ug/L		98
114) Naphthalene	14.388	128	1573928	92.472	ug/L		100
115) 1,2,3-Trichlorobenzene	14.555	180	579519	85.011	ug/L		98

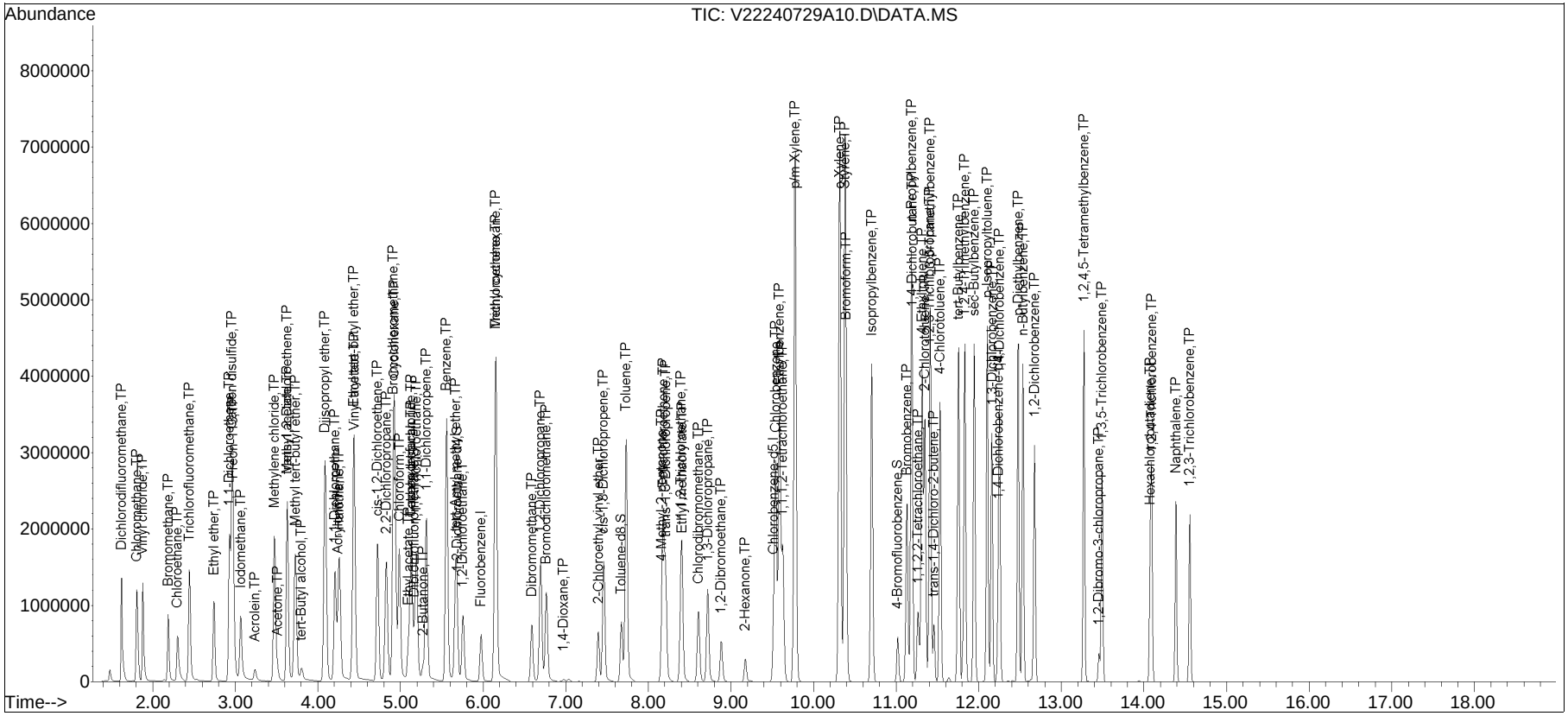
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A10.D
Acq On : 29 Jul 2024 04:15 pm
Operator : VOA122:PID
Sample : I8260STD80PPB
Misc : WG1953132,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 30 06:57:18 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

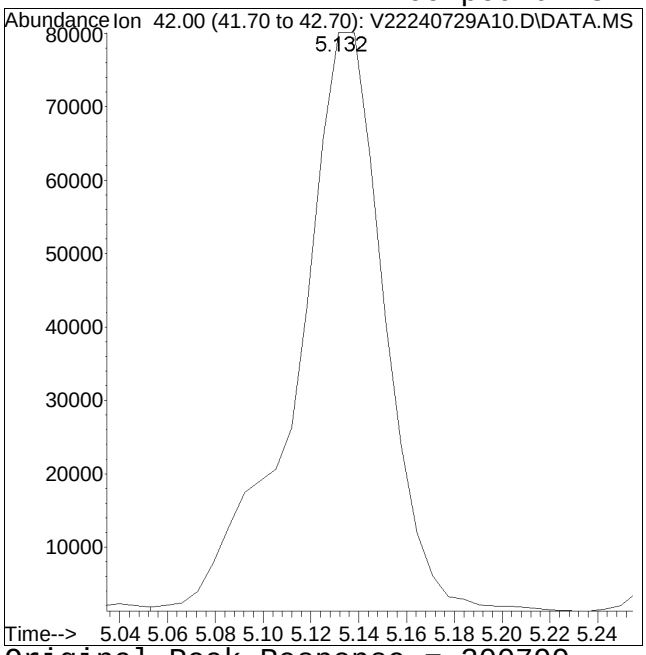
Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•



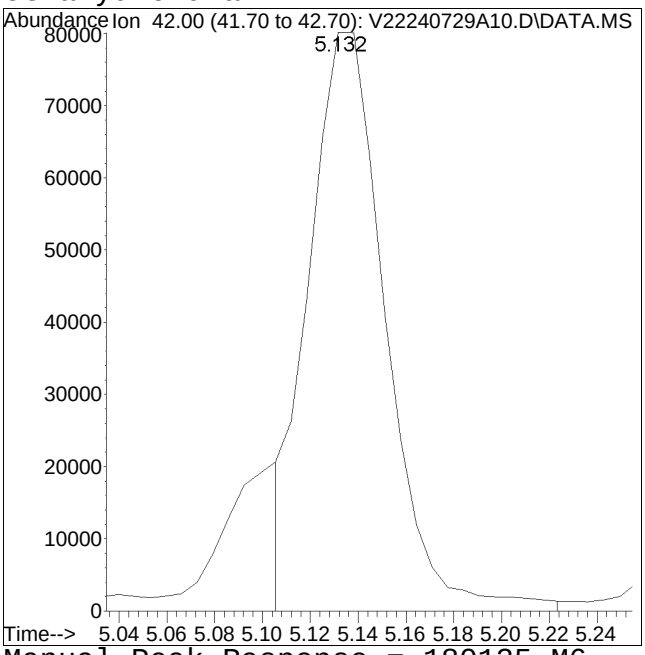
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A10.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 4:15 pm Instrument : VOA 122
Sample : I8260STD80PPB Quant Date : 7/30/2024 6:57 am

Compound #37: Tetrahydrofuran



Original Peak Response = 200799



Manual Peak Response = 180135 M6

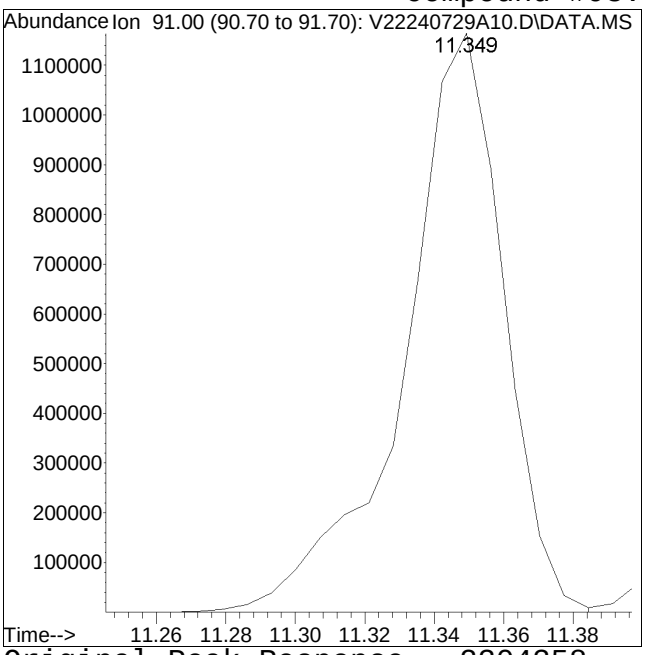
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

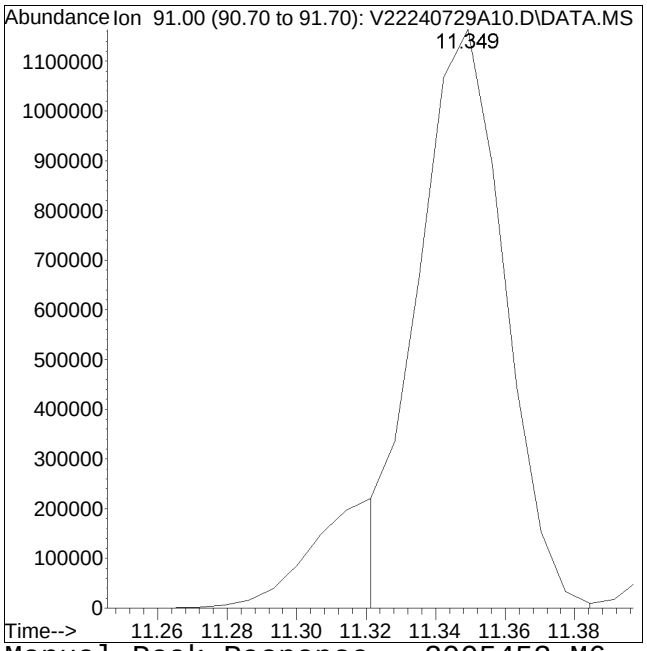
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A10.D
Date Inj'd : 7/29/2024 4:15 pm
Sample : I8260STD80PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 2304358



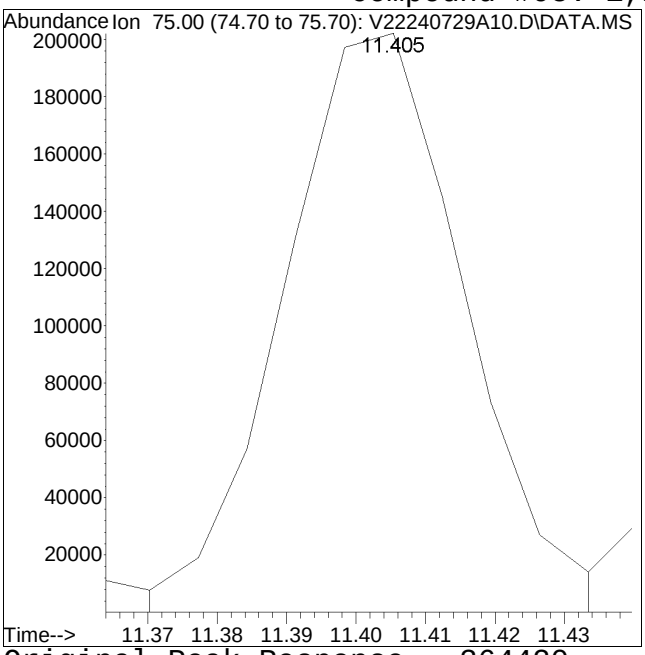
Manual Peak Response = 2005453 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

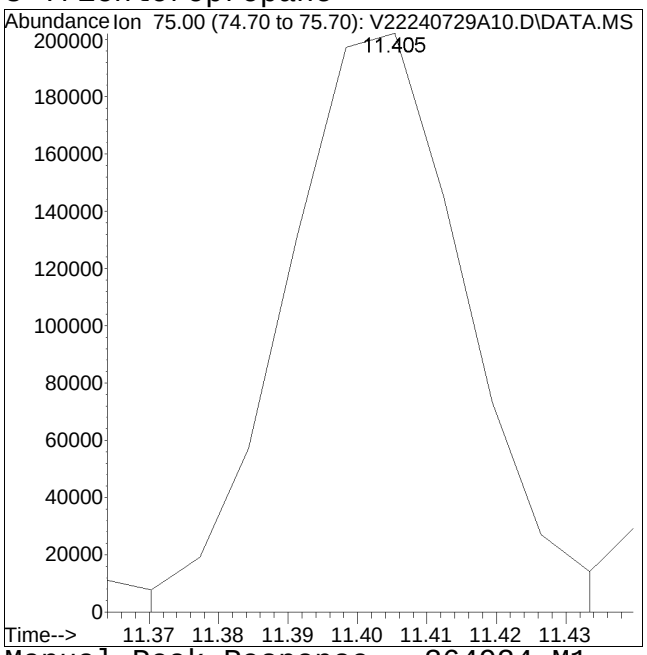
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A10.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 4:15 pm Instrument : VOA 122
Sample : I8260STD80PPB Quant Date : 7/30/2024 6:57 am

Compound #95: 1,2,3-Trichloropropane



Original Peak Response = 364420



Manual Peak Response = 364924 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A11.D
Acq On : 29 Jul 2024 04:40 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1953132,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 30 06:57:25 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	636656	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 125.54%			
62) Chlorobenzene-d5	9.519	117	481172	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 116.05%			
83) 1,4-Dichlorobenzene-d4	12.237	152	237970	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 116.47%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	209609	9.423	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.23%			
46) 1,2-Dichloroethane-d4	5.689	65	187007	9.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.45%			
63) Toluene-d8	7.675	98	622956	10.161	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.61%			
87) 4-Bromofluorobenzene	11.020	95	214064	9.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	1490231	125.726	ug/L	96
3) Chloromethane	1.809	50	1825294	108.868	ug/L	98
4) Vinyl chloride	1.881	62	1571853	118.499	ug/L	98
5) Bromomethane	2.189	94	727783	136.575	ug/L	98
6) Chloroethane	2.300	64	839174	109.441	ug/L	97
7) Trichlorofluoromethane	2.444	101	1816739	127.104	ug/L	99
8) Ethyl ether	2.746	74	538297	121.490	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	1065210	120.936	ug/L #	78
11) Carbon disulfide	2.962	76	3349244	115.749	ug/L	99
12) Freon-113	2.975	101	1124795	132.270	ug/L	93
13) Iodomethane	3.067	142	1554676	146.612	ug/L	95
14) Acrolein	3.237	56	192119	126.932	ug/L	97
15) Methylene chloride	3.473	84	1218040	104.310	ug/L #	64
17) Acetone	3.513	43	238764	98.424	ug/L	98
18) trans-1,2-Dichloroethene	3.631	96	1199643	116.428	ug/L	84
19) Methyl acetate	3.631	43	616839	112.619	ug/L #	82
21) Methyl tert-butyl ether	3.729	73	2589702	131.436	ug/L #	82
22) tert-Butyl alcohol	3.808	59	280164	679.040	ug/L #	86
24) Diisopropyl ether	4.089	45	4705000	127.095	ug/L #	90
25) 1,1-Dichloroethane	4.207	63	2404388	114.253	ug/L	97
26) Halothane	4.260	117	959668	124.944	ug/L	100

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A11.D
Acq On : 29 Jul 2024 04:40 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1953132,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 30 06:57:25 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.247	53	345403	118.896	ug/L		96
28) Ethyl tert-butyl ether	4.437	59	3574338	134.435	ug/L		82
29) Vinyl acetate	4.443	43	2940318	132.883	ug/L	#	88
30) cis-1,2-Dichloroethene	4.725	96	1310832	114.792	ug/L	#	83
31) 2,2-Dichloropropane	4.830	77	1612721	122.278	ug/L	#	81
32) Bromochloromethane	4.915	128	613361	113.828	ug/L	#	70
33) Cyclohexane	4.928	56	2688133	139.238	ug/L		70
34) Chloroform	4.987	83	2126576	116.757	ug/L		95
35) Ethyl acetate	5.099	43	904461	126.488	ug/L	#	92
36) Carbon tetrachloride	5.131	117	1745572	132.802	ug/L		99
37) Tetrahydrofuran	5.138	42	284868M6	121.564	ug/L		
39) 1,1,1-Trichloroethane	5.190	97	1939297	126.262	ug/L		96
41) 2-Butanone	5.276	43	377919	126.341	ug/L	#	47
42) 1,1-Dichloropropene	5.315	75	1623956	131.039	ug/L		100
44) Benzene	5.558	78	5023994	124.588	ug/L	#	92
45) tert-Amyl methyl ether	5.675	73	1754429	136.185	ug/L	#	90
47) 1,2-Dichloroethane	5.761	62	1177151	116.840	ug/L		98
50) Methyl cyclohexane	6.154	83	1778581	151.490	ug/L	#	66
51) Trichloroethene	6.154	95	1078382	125.731	ug/L		96
53) Dibromomethane	6.591	93	524090	120.875	ug/L	#	82
54) 1,2-Dichloropropane	6.695	63	1125455	124.984	ug/L		94
56) 2-Chloroethyl vinyl ether	7.397	63	484192	140.352	ug/L	#	80
57) Bromodichloromethane	6.765	83	1342082	126.313	ug/L		100
60) 1,4-Dioxane	6.980	88	42731	1202.816	ug/L	#	60
61) cis-1,3-Dichloropropene	7.460	75	1533188	140.030	ug/L	#	84
64) Toluene	7.731	92	2475033	124.876	ug/L		97
65) 4-Methyl-2-pentanone	8.168	58	218495	137.755	ug/L	#	71
66) Tetrachloroethene	8.182	166	1047153	134.741	ug/L		95
68) trans-1,3-Dichloropropene	8.210	75	1253964	150.294	ug/L		85
70) Ethyl methacrylate	8.412	69	861890	144.083	ug/L		95
71) 1,1,2-Trichloroethane	8.398	83	642415	138.028	ug/L		95
72) Chlorodibromomethane	8.607	129	947780	139.442	ug/L		99
73) 1,3-Dichloropropane	8.719	76	1202975	131.826	ug/L		99
74) 1,2-Dibromoethane	8.888	107	712084	136.523	ug/L		99
76) 2-Hexanone	9.175	43	396357	143.066	ug/L		89
77) Chlorobenzene	9.540	112	2715525	120.972	ug/L		90
78) Ethylbenzene	9.589	91	4715031	125.995	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.631	131	967804	135.540	ug/L		98
80) p/m Xylene	9.778	106	3723497	256.330	ug/L		97
81) o Xylene	10.318	106	3556703	258.912	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A11.D
Acq On : 29 Jul 2024 04:40 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1953132,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 30 06:57:25 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.388	104	5764621	260.895	ug/L		98
84) Bromoform	10.402	173	502384	140.330	ug/L		99
86) Isopropylbenzene	10.704	105	4785956	129.656	ug/L		100
88) Bromobenzene	11.132	156	1058436	121.940	ug/L		99
89) n-Propylbenzene	11.188	91	5573770	129.950	ug/L		99
90) 1,4-Dichlorobutane	11.195	55	1395871	124.405	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	760794	126.000	ug/L		99
92) 4-Ethyltoluene	11.314	105	4550357	130.163	ug/L		99
93) 2-Chlorotoluene	11.349	91	3229129M6	124.980	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	3878994	130.943	ug/L		100
95) 1,2,3-Trichloropropane	11.405	75	583428M4	126.582	ug/L		
96) trans-1,4-Dichloro-2-b...	11.461	53	274309	133.455	ug/L	#	81
97) 4-Chlorotoluene	11.531	91	3329483	124.860	ug/L		100
98) tert-Butylbenzene	11.756	119	3431836	133.465	ug/L		96
101) 1,2,4-Trimethylbenzene	11.833	105	4298979	129.877	ug/L		99
102) sec-Butylbenzene	11.944	105	4884700	134.651	ug/L		100
103) p-Isopropyltoluene	12.104	119	4123679	135.864	ug/L		99
104) 1,3-Dichlorobenzene	12.160	146	2090877	121.439	ug/L		97
105) 1,4-Dichlorobenzene	12.250	146	2063151	120.825	ug/L		98
106) p-Diethylbenzene	12.480	119	2404432	136.832	ug/L		98
107) n-Butylbenzene	12.536	91	3418449	135.081	ug/L		99
108) 1,2-Dichlorobenzene	12.675	146	1870262	122.786	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	3355659	140.112	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.455	155	115498	150.329	ug/L		100
111) 1,3,5-Trichlorobenzene	13.496	180	1252542	126.241	ug/L		96
112) Hexachlorobutadiene	14.074	225	442150	135.603	ug/L		99
113) 1,2,4-Trichlorobenzene	14.095	180	1087707	128.838	ug/L		98
114) Naphthalene	14.387	128	2458485	137.300	ug/L		100
115) 1,2,3-Trichlorobenzene	14.555	180	913013	127.308	ug/L		98

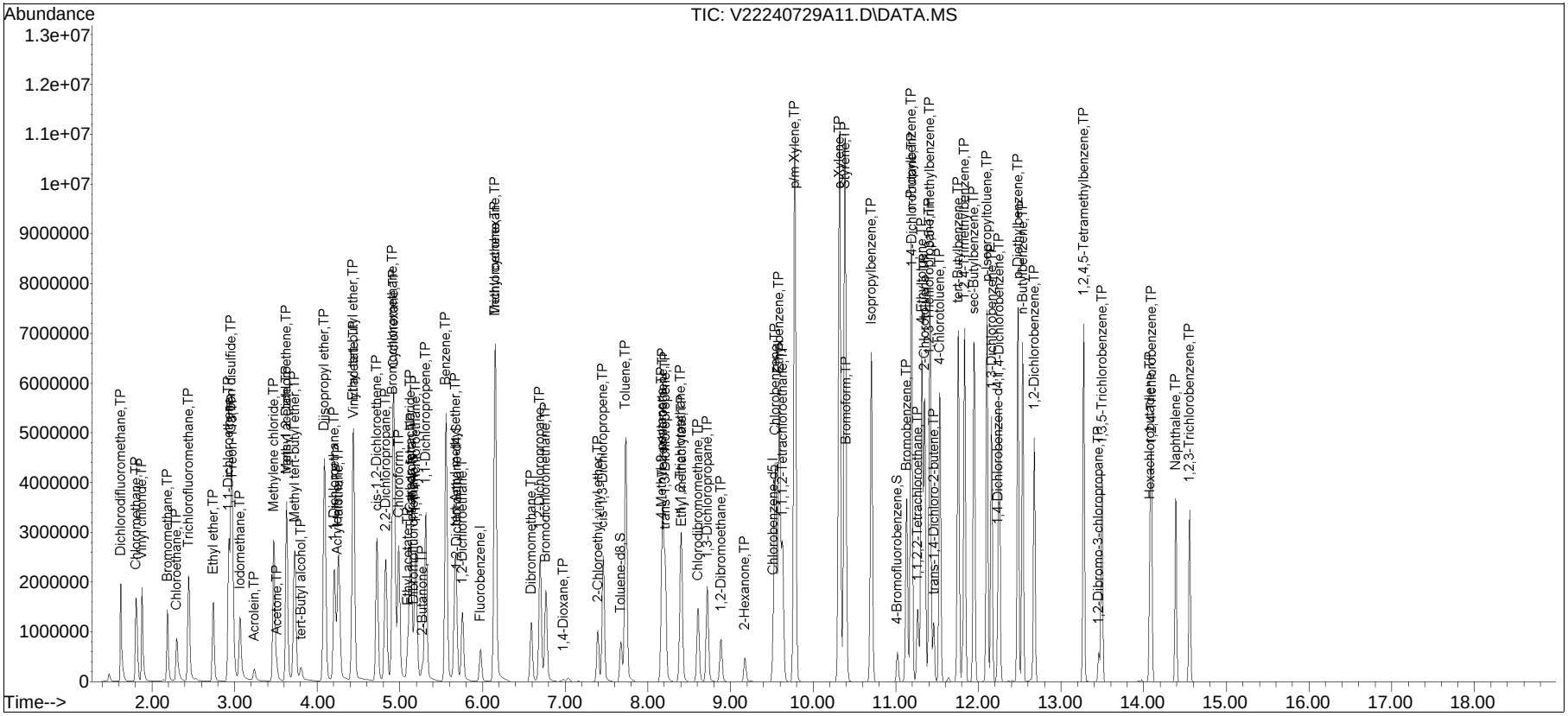
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A11.D
Acq On : 29 Jul 2024 04:40 pm
Operator : VOA122:PID
Sample : I8260STD120PPB
Misc : WG1953132,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 30 06:57:25 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

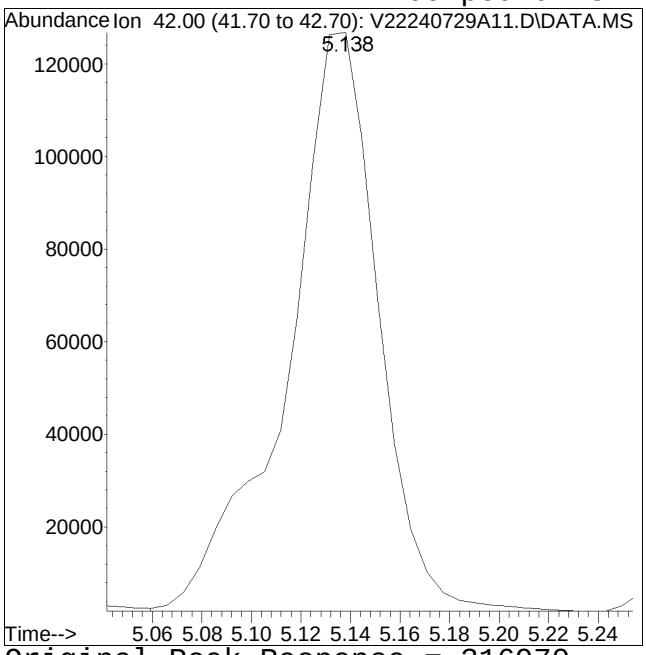
Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•



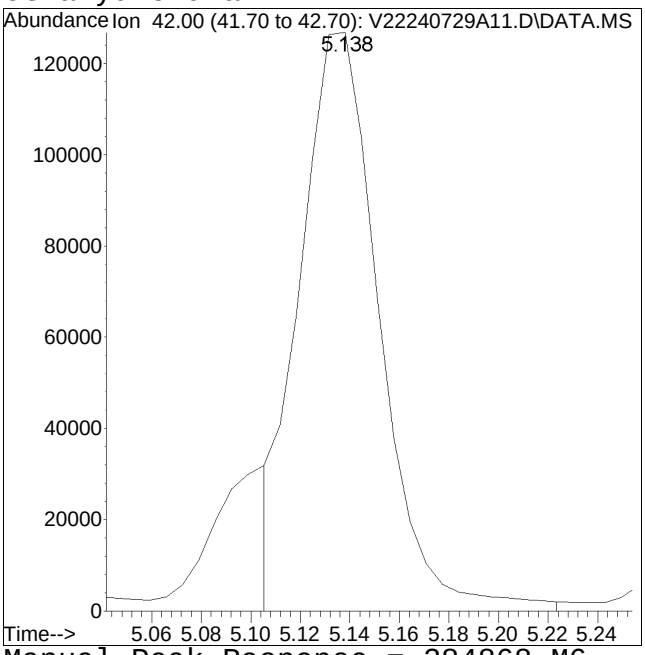
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A11.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 4:40 pm Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 7/30/2024 6:57 am

Compound #37: Tetrahydrofuran



Original Peak Response = 316970



Manual Peak Response = 284868 M6

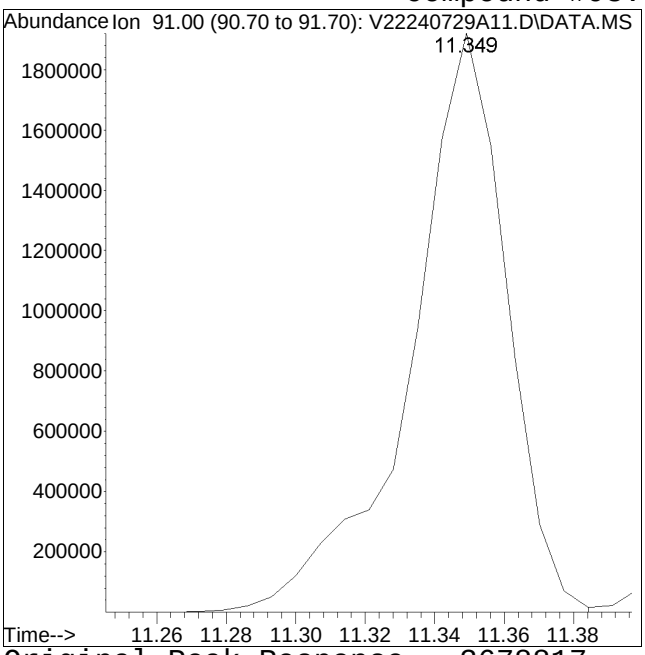
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

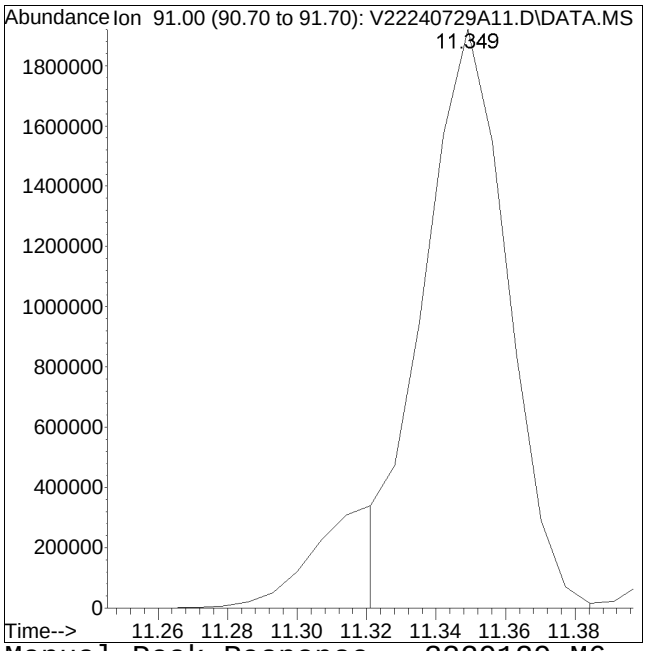
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A11.D
Date Inj'd : 7/29/2024 4:40 pm
Sample : I8260STD120PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 3678817



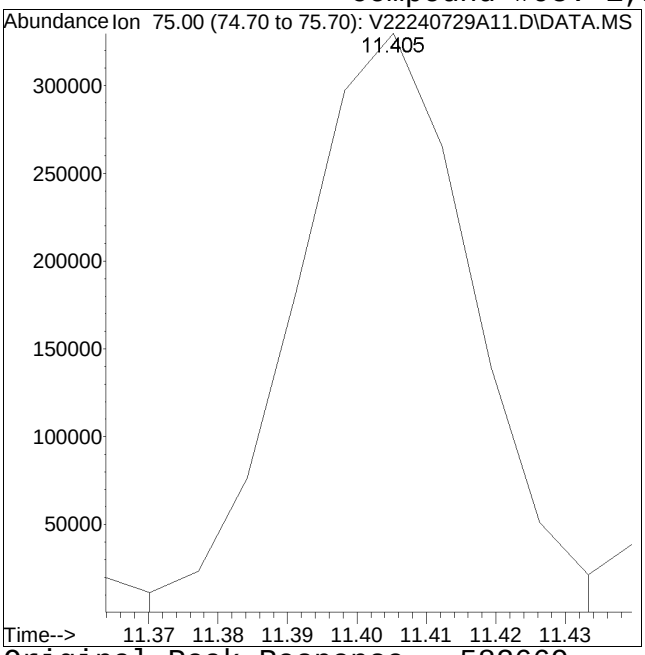
Manual Peak Response = 3229129 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

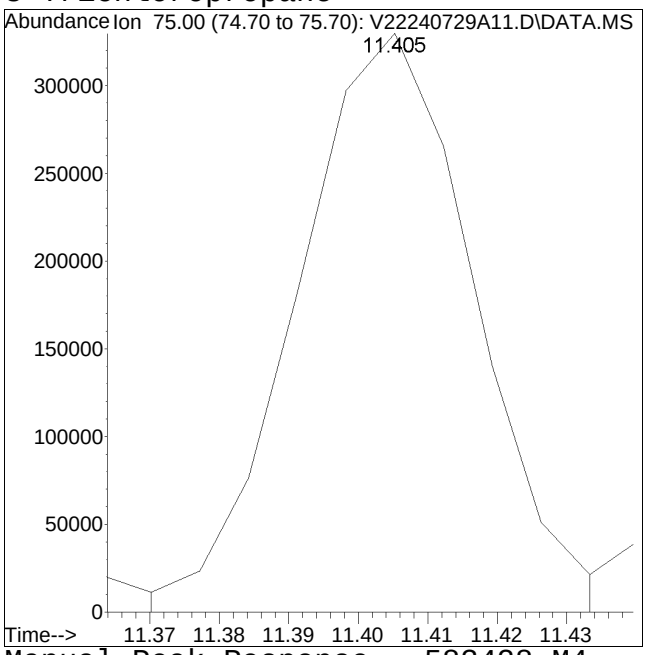
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A11.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 4:40 pm Instrument : VOA 122
Sample : I8260STD120PPB Quant Date : 7/30/2024 6:57 am

Compound #95: 1,2,3-Trichloropropane



Original Peak Response = 582669



Manual Peak Response = 583428 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A12.D
Acq On : 29 Jul 2024 05:04 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1953132,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 30 06:58:06 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	671267	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 132.37%			
62) Chlorobenzene-d5	9.519	117	507270	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 122.35%			
83) 1,4-Dichlorobenzene-d4	12.237	152	245235	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 120.02%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	217210	9.261	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.61%			
46) 1,2-Dichloroethane-d4	5.689	65	193758	9.773	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.73%			
63) Toluene-d8	7.675	98	647303	10.015	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.15%			
87) 4-Bromofluorobenzene	11.020	95	222560	9.966	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	2620678	209.699	ug/L	96
3) Chloromethane	1.809	50	3024576	171.097	ug/L	98
4) Vinyl chloride	1.881	62	2725266	194.859	ug/L	98
5) Bromomethane	2.189	94	1371795	244.156	ug/L	98
6) Chloroethane	2.300	64	1447475	179.040	ug/L	97
7) Trichlorofluoromethane	2.444	101	3211175	213.079	ug/L	99
8) Ethyl ether	2.746	74	913253	195.487	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	1867542	201.095	ug/L	80
11) Carbon disulfide	2.962	76	5813289	190.547	ug/L	99
12) Freon-113	2.975	101	2026043	225.967	ug/L	93
13) Iodomethane	3.067	142	2736295	244.738	ug/L	95
14) Acrolein	3.237	56	327212	205.041	ug/L	98
15) Methylene chloride	3.473	84	2100777	170.630	ug/L #	66
17) Acetone	3.513	43	399764	156.295	ug/L	98
18) trans-1,2-Dichloroethene	3.631	96	2082235	191.665	ug/L	85
19) Methyl acetate	3.631	43	1038900	179.897	ug/L #	83
21) Methyl tert-butyl ether	3.729	73	4467075	215.029	ug/L #	83
22) tert-Butyl alcohol	3.808	59	487122	1119.774	ug/L #	82
24) Diisopropyl ether	4.089	45	7871258	201.661	ug/L #	91
25) 1,1-Dichloroethane	4.207	63	4105423	185.024	ug/L	97
26) Halothane	4.260	117	1695601	209.376	ug/L	99

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A12.D
Acq On : 29 Jul 2024 05:04 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1953132,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 30 06:58:06 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.247	53	579249	189.111	ug/L		96
28) Ethyl tert-butyl ether	4.437	59	6085697	217.089	ug/L		83
29) Vinyl acetate	4.443	43	4933617	211.470	ug/L	#	89
30) cis-1,2-Dichloroethene	4.725	96	2256530	187.420	ug/L	#	84
31) 2,2-Dichloropropane	4.830	77	2850431	204.979	ug/L	#	82
32) Bromochloromethane	4.915	128	1049579	184.738	ug/L	#	71
33) Cyclohexane	4.928	56	4745720	233.141	ug/L		71
34) Chloroform	4.987	83	3591714	187.030	ug/L	#	94
35) Ethyl acetate	5.099	43	1534300	203.508	ug/L	#	92
36) Carbon tetrachloride	5.132	117	3106185	224.132	ug/L		99
37) Tetrahydrofuran	5.138	42	479075M6	193.898	ug/L		
39) 1,1,1-Trichloroethane	5.191	97	3384148	208.972	ug/L		96
41) 2-Butanone	5.276	43	634993	201.337	ug/L	#	47
42) 1,1-Dichloropropene	5.315	75	2862641	219.081	ug/L		100
44) Benzene	5.558	78	8491811	199.727	ug/L	#	90
45) tert-Amyl methyl ether	5.675	73	3060918	225.348	ug/L	#	91
47) 1,2-Dichloroethane	5.761	62	2002259	188.491	ug/L		98
50) Methyl cyclohexane	6.154	83	3194114	258.030	ug/L	#	68
51) Trichloroethene	6.154	95	1889273	208.916	ug/L		96
53) Dibromomethane	6.591	93	895312	195.846	ug/L	#	83
54) 1,2-Dichloropropane	6.702	63	1922728	202.513	ug/L		94
56) 2-Chloroethyl vinyl ether	7.397	63	820387	225.543	ug/L	#	81
57) Bromodichloromethane	6.765	83	2320380	207.128	ug/L		100
60) 1,4-Dioxane	6.980	88	70331	1877.641	ug/L	#	61
61) cis-1,3-Dichloropropene	7.460	75	2640789	228.754	ug/L	#	85
64) Toluene	7.738	92	4219933	201.960	ug/L		96
65) 4-Methyl-2-pentanone	8.168	58	376605	225.224	ug/L	#	73
66) Tetrachloroethene	8.182	166	1835616	224.044	ug/L		94
68) trans-1,3-Dichloropropene	8.210	75	2152927	244.764	ug/L		86
70) Ethyl methacrylate	8.412	69	1465362	232.363	ug/L		95
71) 1,1,2-Trichloroethane	8.398	83	1098091	223.795	ug/L		98
72) Chlorodibromomethane	8.607	129	1634986	228.172	ug/L		99
73) 1,3-Dichloropropane	8.719	76	2033705	211.395	ug/L		99
74) 1,2-Dibromoethane	8.888	107	1216125	221.164	ug/L		99
76) 2-Hexanone	9.175	43	670301	229.499	ug/L		89
77) Chlorobenzene	9.547	112	4644841	196.274	ug/L		90
78) Ethylbenzene	9.589	91	7918098	200.702	ug/L		98
79) 1,1,1,2-Tetrachloroethane	9.631	131	1679969	223.173	ug/L		99
80) p/m Xylene	9.778	106	6291057	410.802	ug/L		93
81) o Xylene	10.318	106	5996592	414.066	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A12.D
Acq On : 29 Jul 2024 05:04 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1953132,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 30 06:58:06 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.388	104	9407196	403.847	ug/L		94
84) Bromoform	10.402	173	875851	237.402	ug/L		99
86) Isopropylbenzene	10.704	105	8030356	211.105	ug/L		98
88) Bromobenzene	11.132	156	1812458	202.623	ug/L		99
89) n-Propylbenzene	11.188	91	9141124	206.808	ug/L		97
90) 1,4-Dichlorobutane	11.195	55	2369414	204.915	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	1288747	207.114	ug/L		99
92) 4-Ethyltoluene	11.314	105	7628386	211.745	ug/L		97
93) 2-Chlorotoluene	11.349	91	5478052M6	205.742	ug/L		
94) 1,3,5-Trimethylbenzene	11.419	105	6585839	215.732	ug/L		99
95) 1,2,3-Trichloropropane	11.405	75	1005558	211.705	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.461	53	467214	220.572	ug/L	#	82
97) 4-Chlorotoluene	11.539	91	5623105	204.626	ug/L		99
98) tert-Butylbenzene	11.756	119	5800367	218.895	ug/L		95
101) 1,2,4-Trimethylbenzene	11.833	105	7215932	211.544	ug/L		100
102) sec-Butylbenzene	11.951	105	8071276	215.900	ug/L		98
103) p-Isopropyltoluene	12.104	119	6895602	220.461	ug/L		97
104) 1,3-Dichlorobenzene	12.160	146	3520453	198.411	ug/L		97
105) 1,4-Dichlorobenzene	12.257	146	3490349	198.351	ug/L		97
106) p-Diethylbenzene	12.480	119	4120448	227.542	ug/L		98
107) n-Butylbenzene	12.536	91	5772758	221.355	ug/L		98
108) 1,2-Dichlorobenzene	12.675	146	3135480	199.751	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	5530218	224.068	ug/L		99
110) 1,2-Dibromo-3-chloropr...	13.455	155	198195	250.322	ug/L		100
111) 1,3,5-Trichlorobenzene	13.496	180	2092624	204.664	ug/L		96
112) Hexachlorobutadiene	14.074	225	784582	233.496	ug/L		99
113) 1,2,4-Trichlorobenzene	14.095	180	1834176	210.820	ug/L		98
114) Naphthalene	14.387	128	3996300	216.571	ug/L		100
115) 1,2,3-Trichlorobenzene	14.555	180	1518580	205.474	ug/L		98

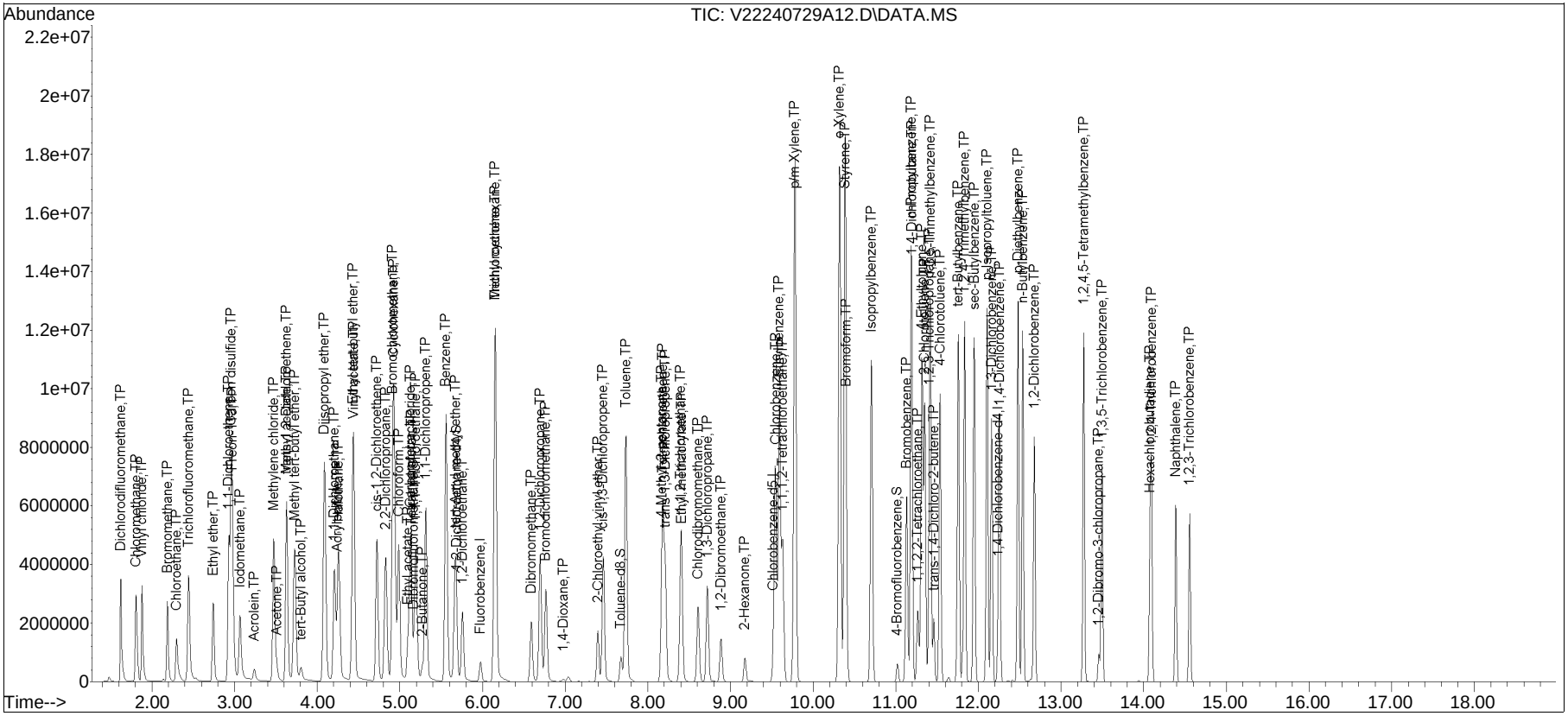
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A12.D
Acq On : 29 Jul 2024 05:04 pm
Operator : VOA122:PID
Sample : I8260STD200PPB
Misc : WG1953132,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 30 06:58:06 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 06:56:21 2024
Response via : Initial Calibration

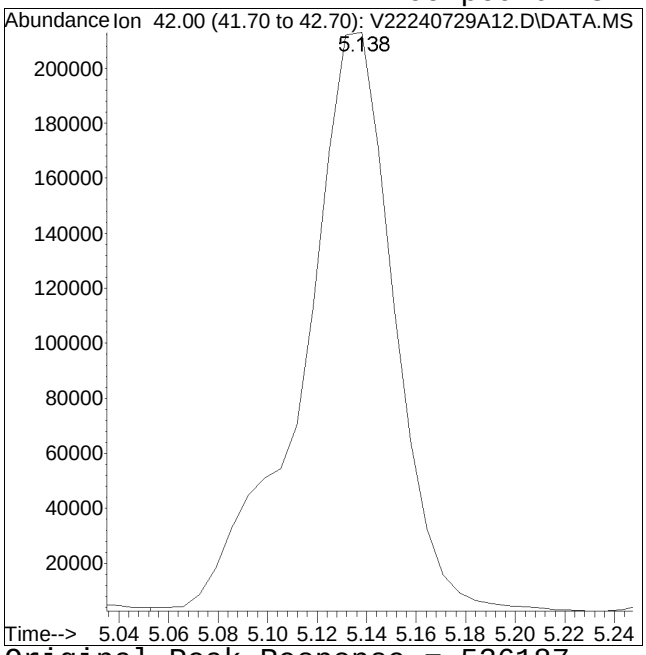
Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•



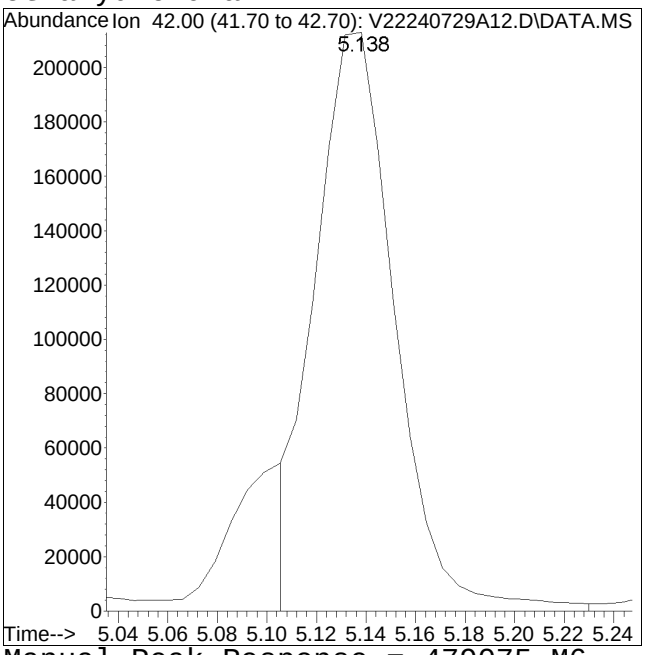
Manual Integration Report

Data Path : K:\VOA122\2024\240729AICALQMethod : V122_240729A_8260.m
Data File : V22240729A12.D Operator : VOA122:PID
Date Inj'd : 7/29/2024 5:04 pm Instrument : VOA 122
Sample : I8260STD200PPB Quant Date : 7/30/2024 6:57 am

Compound #37: Tetrahydrofuran



Original Peak Response = 536187



Manual Peak Response = 479075 M6

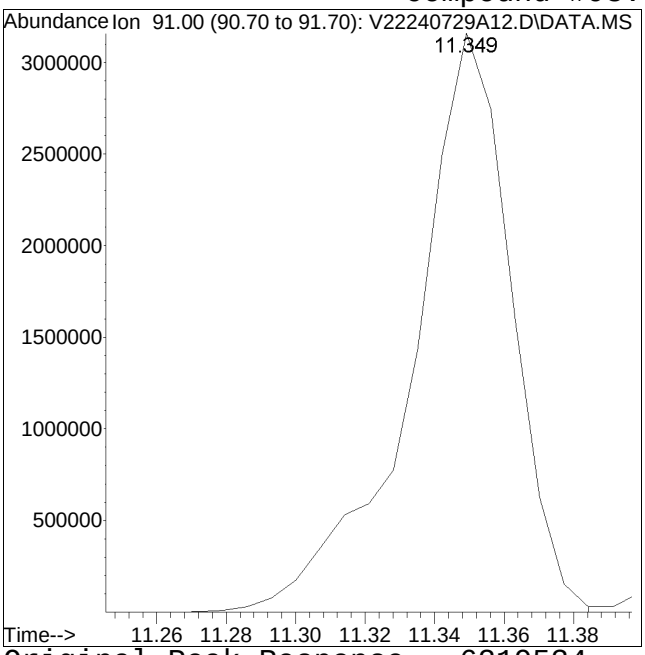
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

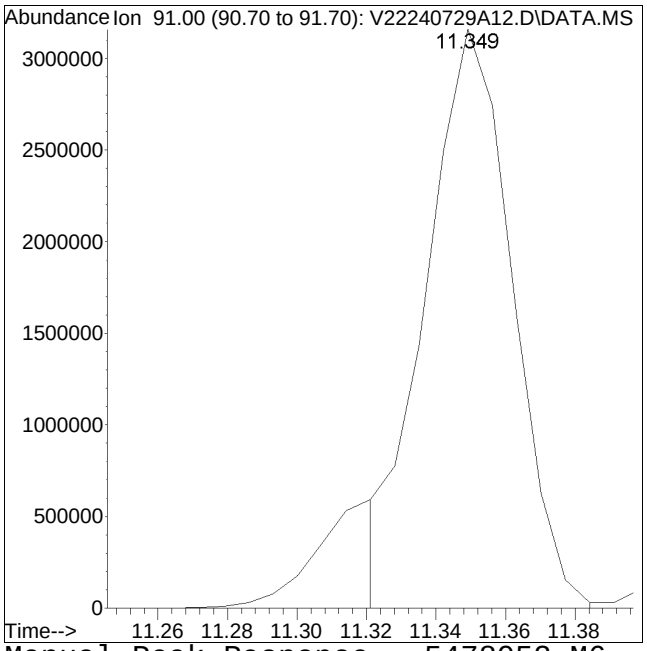
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A12.D
Date Inj'd : 7/29/2024 5:04 pm
Sample : I8260STD200PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 6:57 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 6219534



Manual Peak Response = 5478052 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	115	0.00
2	TP	Dichlorodifluoromethane	0.197	0.162	17.8	87	0.00
3	TP	Chloromethane	0.263	0.280	-6.5	107	0.00
4	TP	Vinyl chloride	0.208	0.209	-0.5	104	0.00
5	TP	Bromomethane	0.084	0.074	11.9	114	0.00
6	TP	Chloroethane	0.120	0.124	-3.3	107	0.00
7	TP	Trichlorofluoromethane	* 10.000	10.782	-7.8	115	0.00
8	TP	Ethyl ether	0.070	0.073	-4.3	116	0.00
10	TP	1,1-Dichloroethene	0.138	0.143	-3.6	108	0.00
11	TP	Carbon disulfide	0.454	0.435	4.2	98	0.00
12	TP	Freon-113	0.143	0.170	-18.9	127	0.00
13	TP	Iodomethane	0.182	0.085	53.3#	57	0.00
14	TP	Acrolein	0.024	0.017	29.2#	78	0.00
15	TP	Methylene chloride	0.183	0.173	5.5	104	0.00
17	TP	Acetone	0.033	0.033	0.0	111	0.00
18	TP	trans-1,2-Dichloroethene	0.162	0.165	-1.9	107	0.00
19	TP	Methyl acetate	0.086	0.082	4.7	112	0.00
21	TP	Methyl tert-butyl ether	0.309	0.278	10.0	101	0.00
22	TP	tert-Butyl alcohol	0.00648	0.00709#	-9.4	122	0.00
24	TP	Diisopropyl ether	0.581	0.562	3.3	109	0.00
25	TP	1,1-Dichloroethane	0.331	0.339	-2.4	107	0.00
26	TP	Halothane	0.121	0.135	-11.6	117	0.00
27	TP	Acrylonitrile	0.046	0.044	4.3	104	0.00
28	TP	Ethyl tert-butyl ether	0.418	0.405	3.1	113	0.00
29	TP	Vinyl acetate	0.348	0.305	12.4	99	0.00
30	TP	cis-1,2-Dichloroethene	0.179	0.183#	-2.2	107	0.00
31	TP	2,2-Dichloropropane	0.207	0.191	7.7	98	0.00
32	TP	Bromochloromethane	0.085	0.081#	4.7	100	0.00
33	TP	Cyclohexane	* 10.000	10.905	-9.0	119	0.00
34	TP	Chloroform	0.286	0.286#	0.0	109	0.00
35	TP	Ethyl acetate	0.112	0.110	1.8	114	0.00
36	TP	Carbon tetrachloride	0.206	0.220	-6.8	109	0.00
37	TP	Tetrahydrofuran	0.037	0.036	2.7	110	0.00
38	S	Dibromofluoromethane	0.349	0.346	0.9	111	0.00
39	TP	1,1,1-Trichloroethane	0.241	0.249	-3.3	109	0.00
41	TP	2-Butanone	0.047	0.045	4.3	116	0.00
42	TP	1,1-Dichloropropene	0.195	0.208	-6.7	112	0.00
44	TP	Benzene	0.633	0.643	-1.6	113	0.00
45	TP	tert-Amyl methyl ether	0.202	0.185	8.4	112	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.295	0.300	-1.7	113	0.00
47	T	1,2-Dichloroethane	0.158	0.160	-1.3	108	0.00
50	TP	Methyl cyclohexane	* 10.000	10.681	-6.8	128	0.00
51	TP	Trichloroethene	0.135	0.133#	1.5	107	0.00
53	TP	Dibromomethane	0.068	0.068	0.0	111	0.00
54	TP	1,2-Dichloropropane	0.141	0.143#	-1.4	107	0.00
56	TP	2-Chloroethyl vinyl ether	0.054	0.046	14.8	101	0.00
57	TP	Bromodichloromethane	0.167	0.161#	3.6	106	0.00
60	TP	1,4-Dioxane	0.00056	0.00064#	-14.3	122	0.00
61	TP	cis-1,3-Dichloropropene	0.172	0.178#	-3.5	110	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
63	S	Toluene-d8	1.274	1.269	0.4	111	0.00
64	TP	Toluene	0.412	0.409	0.7	106	0.00
65	TP	4-Methyl-2-pentanone	0.033	0.030#	9.1	116	0.00
66	TP	Tetrachloroethene	0.162	0.169	-4.3	111	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	8.883	11.2	115	0.00
70	TP	Ethyl methacrylate	0.133	0.125	6.0	112	0.00
71	TP	1,1,2-Trichloroethane	0.097	0.092#	5.2	108	0.00
72	TP	Chlorodibromomethane	* 10.000	8.735	12.7	108	0.00
73	TP	1,3-Dichloropropane	0.190	0.193	-1.6	113	0.00
74	TP	1,2-Dibromoethane	0.108	0.108#	0.0	112	0.00
76	TP	2-Hexanone	0.061	0.055	9.8	112	0.00
77	TP	Chlorobenzene	0.467	0.474	-1.5	108	0.00
78	TP	Ethylbenzene	0.778	0.808	-3.9	105	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.148	0.143	3.4	110	0.00
80	TP	p/m Xylene	0.302	0.316	-4.6	105	0.00
81	TP	o Xylene	0.285	0.299	-4.9	106	0.00
82	TP	Styrene	0.459	0.486	-5.9	107	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
84	TP	Bromoform	0.150	0.143	4.7	115	0.00
86	TP	Isopropylbenzene	1.551	1.679	-8.3	106	0.00
87	S	4-Bromofluorobenzene	0.911	0.938	-3.0	110	0.00
88	TP	Bromobenzene	0.365	0.367	-0.5	107	0.00
89	TP	n-Propylbenzene	1.802	1.934	-7.3	106	0.00
90	TP	1,4-Dichlorobutane	0.472	0.463	1.9	107	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.254	0.246	3.1	109	0.00
92	TP	4-Ethyltoluene	1.469	1.668	-13.5	114	0.00

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene		1.086	1.126	-3.7	106	0.00
94 TP	1,3,5-Trimethylbenzene		1.245	1.282	-3.0	104	0.00
95 TP	1,2,3-Trichloropropane		0.194	0.192	1.0	110	0.00
96 TP	trans-1,4-Dichloro-2-butene		0.086	0.079	8.1	103	0.00
97 TP	4-Chlorotoluene		1.121	1.158	-3.3	106	0.00
98 TP	tert-Butylbenzene		1.081	1.152	-6.6	106	0.00
101 TP	1,2,4-Trimethylbenzene		1.391	1.492	-7.3	107	0.00
102 TP	sec-Butylbenzene	*	10.000	10.208	-2.1	107	0.00
103 TP	p-Isopropyltoluene	*	10.000	10.063	-0.6	106	0.00
104 TP	1,3-Dichlorobenzene		0.724	0.738	-1.9	106	0.00
105 TP	1,4-Dichlorobenzene		0.718	0.720	-0.3	106	0.00
106 TP	p-Diethylbenzene		0.788	0.793	-0.6	107	0.00
107 TP	n-Butylbenzene	*	10.000	10.574	-5.7	110	0.00
108 TP	1,2-Dichlorobenzene		0.640	0.646	-0.9	106	0.00
109 TP	1,2,4,5-Tetramethylbenzene		1.081	1.082	-0.1	109	0.00
110 TP	1,2-Dibromo-3-chloropropane	*	10.000	9.267	7.3	115	0.00
111 TP	1,3,5-Trichlorobenzene		0.417	0.443	-6.2	109	0.00
112 TP	Hexachlorobutadiene	*	10.000	9.570	4.3	105	0.00
113 TP	1,2,4-Trichlorobenzene		0.355	0.361#	-1.7	107	0.00
114 TP	Naphthalene	*	10.000	9.621	3.8	112	0.00
115 TP	1,2,3-Trichlorobenzene		0.301	0.310#	-3.0	108	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 14 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	584007	10.000	ug/L	0.00
Standard Area 1 = 507125			Recovery = 115.16%			
62) Chlorobenzene-d5	9.519	117	458173	10.000	ug/L	0.00
Standard Area 1 = 414608			Recovery = 110.51%			
83) 1,4-Dichlorobenzene-d4	12.237	152	223186	10.000	ug/L	0.00
Standard Area 1 = 204327			Recovery = 109.23%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	202204	9.909	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.09%			
46) 1,2-Dichloroethane-d4	5.689	65	175085	10.150	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.50%			
63) Toluene-d8	7.675	98	581628	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
87) 4-Bromofluorobenzene	11.020	95	209243	10.296	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	94372	8.185	ug/L	96
3) Chloromethane	1.809	50	163643	10.640	ug/L	98
4) Vinyl chloride	1.881	62	122120	10.036	ug/L	97
5) Bromomethane	2.189	94	43319	8.862	ug/L	99
6) Chloroethane	2.300	64	72184	10.263	ug/L	97
7) Trichlorofluoromethane	2.444	101	150424	10.782	ug/L	99
8) Ethyl ether	2.739	74	42825	10.537	ug/L #	1
10) 1,1-Dichloroethene	2.929	96	83581	10.345	ug/L #	76
11) Carbon disulfide	2.962	76	253815	9.563	ug/L	99
12) Freon-113	2.969	101	99012	11.850	ug/L	93
13) Iodomethane	3.067	142	49697	4.686	ug/L	98
14) Acrolein	3.237	56	9847	7.092	ug/L	95
15) Methylene chloride	3.473	84	100942	9.424	ug/L #	61
17) Acetone	3.513	43	19531	10.003	ug/L	96
18) trans-1,2-Dichloroethene	3.631	96	96422	10.202	ug/L	83
19) Methyl acetate	3.631	43	48058	9.565	ug/L #	83
21) Methyl tert-butyl ether	3.729	73	162342	8.982	ug/L #	78
22) tert-Butyl alcohol	3.801	59	20700	54.694	ug/L #	85
24) Diisopropyl ether	4.090	45	327927	9.657	ug/L #	91
25) 1,1-Dichloroethane	4.207	63	197951	10.254	ug/L	95
26) Halothane	4.260	117	78666	11.165	ug/L	99

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.247	53	25607	9.609	ug/L		98
28) Ethyl tert-butyl ether	4.430	59	236254	9.687	ug/L		86
29) Vinyl acetate	4.437	43	178159	8.777	ug/L	#	88
30) cis-1,2-Dichloroethene	4.725	96	106770	10.193	ug/L	#	84
31) 2,2-Dichloropropane	4.830	77	111687	9.232	ug/L	#	74
32) Bromochloromethane	4.915	128	47316	9.573	ug/L	#	68
33) Cyclohexane	4.928	56	212214	10.905	ug/L		71
34) Chloroform	4.987	83	166972	9.994	ug/L	#	95
35) Ethyl acetate	5.092	43	64050	9.765	ug/L	#	93
36) Carbon tetrachloride	5.125	117	128483	10.656	ug/L		99
37) Tetrahydrofuran	5.138	42	21217M6	9.870	ug/L		
39) 1,1,1-Trichloroethane	5.191	97	145522	10.329	ug/L		95
41) 2-Butanone	5.276	43	26172	9.538	ug/L	#	49
42) 1,1-Dichloropropene	5.315	75	121434	10.682	ug/L		99
44) Benzene	5.558	78	375381	10.148	ug/L	#	90
45) tert-Amyl methyl ether	5.669	73	107964	9.136	ug/L	#	83
47) 1,2-Dichloroethane	5.754	62	93169	10.081	ug/L		96
50) Methyl cyclohexane	6.154	83	129337	10.681	ug/L	#	66
51) Trichloroethene	6.154	95	77622	9.866	ug/L		96
53) Dibromomethane	6.591	93	39829	10.014	ug/L	#	82
54) 1,2-Dichloropropane	6.695	63	83335	10.089	ug/L		94
56) 2-Chloroethyl vinyl ether	7.390	63	26989	8.529	ug/L	#	79
57) Bromodichloromethane	6.765	83	94265	9.672	ug/L		99
60) 1,4-Dioxane	6.973	88	18562	569.597	ug/L	#	62
61) cis-1,3-Dichloropropene	7.460	75	103964	10.351	ug/L	#	83
64) Toluene	7.731	92	187194	9.919	ug/L		100
65) 4-Methyl-2-pentanone	8.169	58	13593	9.000	ug/L	#	69
66) Tetrachloroethene	8.182	166	77381	10.457	ug/L		93
68) trans-1,3-Dichloropropene	8.210	75	83193	8.883	ug/L		82
70) Ethyl methacrylate	8.412	69	57396	9.437	ug/L		97
71) 1,1,2-Trichloroethane	8.398	83	42135	9.507	ug/L		97
72) Chlorodibromomethane	8.607	129	62322	8.735	ug/L		99
73) 1,3-Dichloropropane	8.720	76	88647	10.202	ug/L		100
74) 1,2-Dibromoethane	8.881	107	49511	9.969	ug/L		100
76) 2-Hexanone	9.175	43	25391	9.047	ug/L	#	85
77) Chlorobenzene	9.540	112	217224	10.163	ug/L		91
78) Ethylbenzene	9.589	91	370010	10.384	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.624	131	65595	9.648	ug/L		98
80) p/m Xylene	9.778	106	289785	20.951	ug/L		100
81) o Xylene	10.318	106	274261	20.967	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240729AICAL\V22240729A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.382	104	445592	21.179	ug/L		100
84) Bromoform	10.396	173	31976	9.523	ug/L		99
86) Isopropylbenzene	10.704	105	374649	10.822	ug/L		99
88) Bromobenzene	11.132	156	81872	10.057	ug/L		99
89) n-Propylbenzene	11.188	91	431536	10.728	ug/L		98
90) 1,4-Dichlorobutane	11.195	55	103370	9.823	ug/L		94
91) 1,1,2,2-Tetrachloroethane	11.265	83	54939	9.701	ug/L		98
92) 4-Ethyltoluene	11.314	105	372364	11.357	ug/L		99
93) 2-Chlorotoluene	11.349	91	251254M6	10.369	ug/L		
94) 1,3,5-Trimethylbenzene	11.412	105	286082	10.297	ug/L		99
95) 1,2,3-Trichloropropane	11.405	75	42822	9.906	ug/L		98
96) trans-1,4-Dichloro-2-b...	11.454	53	17614	9.137	ug/L	#	67
97) 4-Chlorotoluene	11.532	91	258494	10.336	ug/L		99
98) tert-Butylbenzene	11.756	119	257016	10.658	ug/L		97
101) 1,2,4-Trimethylbenzene	11.833	105	332931	10.725	ug/L		99
102) sec-Butylbenzene	11.944	105	374658	10.208	ug/L		98
103) p-Isopropyltoluene	12.104	119	311843	10.063	ug/L		98
104) 1,3-Dichlorobenzene	12.160	146	164608	10.194	ug/L		97
105) 1,4-Dichlorobenzene	12.251	146	160763	10.038	ug/L		96
106) p-Diethylbenzene	12.480	119	176923	10.061	ug/L		98
107) n-Butylbenzene	12.536	91	273141	10.574	ug/L		98
108) 1,2-Dichlorobenzene	12.675	146	144252	10.098	ug/L		96
109) 1,2,4,5-Tetramethylben...	13.274	119	241429	10.011	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.455	155	7856	9.267	ug/L		99
111) 1,3,5-Trichlorobenzene	13.490	180	98813	10.619	ug/L		96
112) Hexachlorobutadiene	14.074	225	32190	9.570	ug/L		99
113) 1,2,4-Trichlorobenzene	14.095	180	80638	10.184	ug/L		98
114) Naphthalene	14.388	128	175725	9.621	ug/L		100
115) 1,2,3-Trichlorobenzene	14.555	180	69157	10.282	ug/L		97

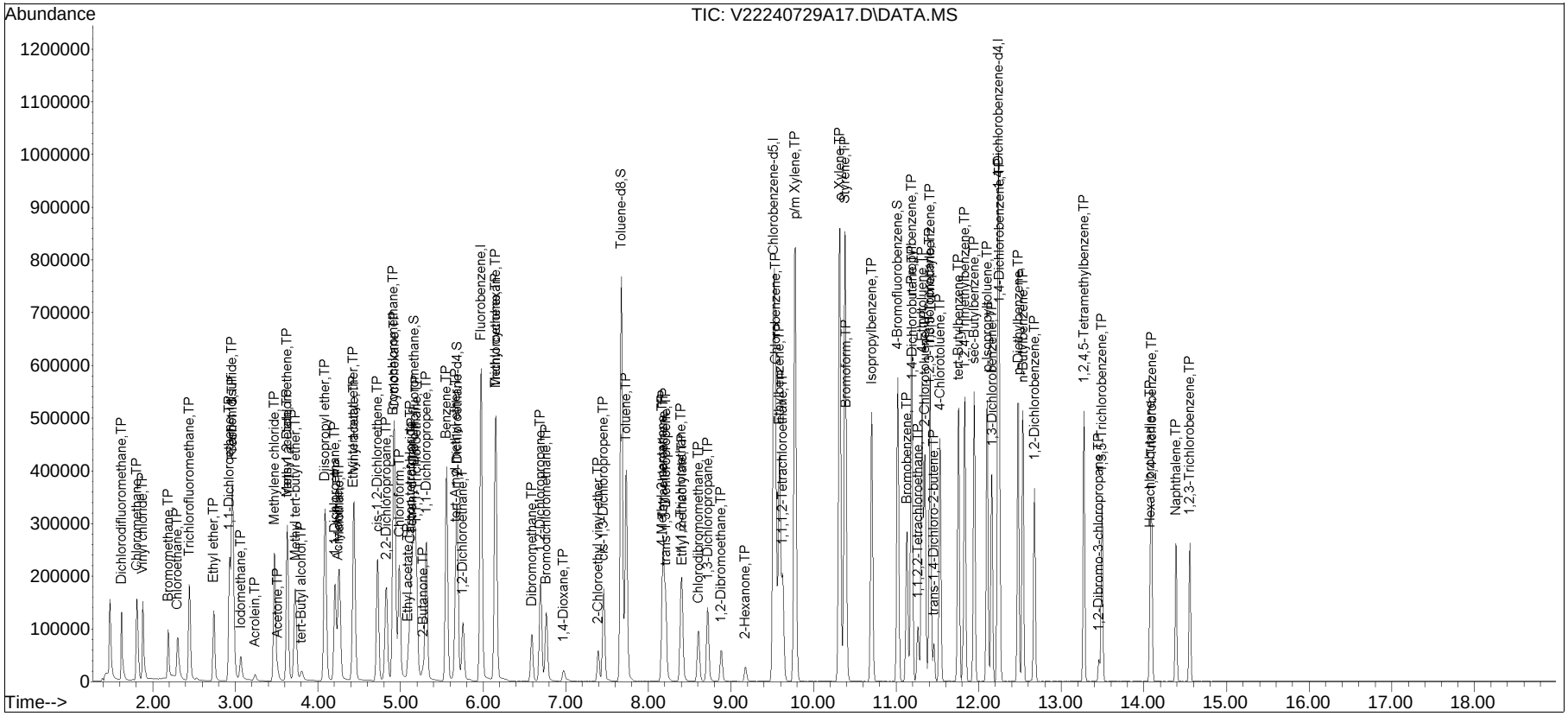
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240729AICAL\
Data File : V22240729A17.D
Acq On : 29 Jul 2024 07:08 pm
Operator : VOA122:PID
Sample : C8260STD10PPB
Misc : WG1953132,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 30 07:09:42 2024
Quant Method : K:\VOA122\2024\240729AICAL\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V22240729A08.D•

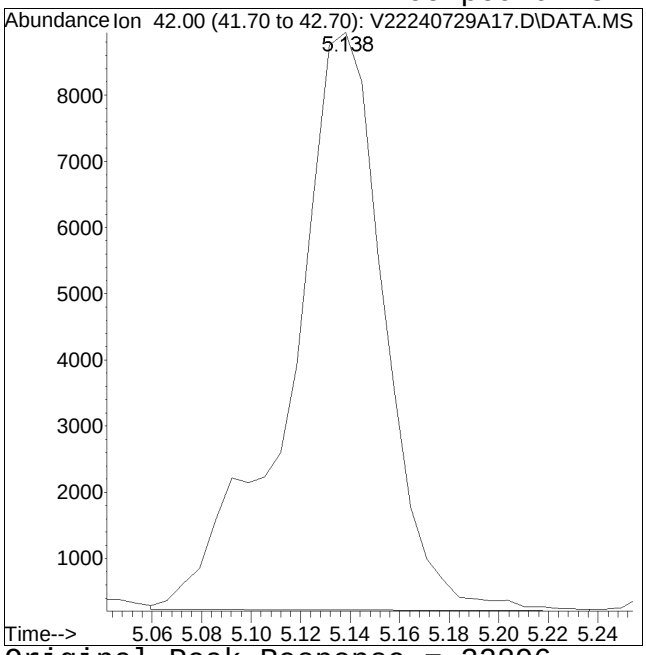


Manual Integration Report

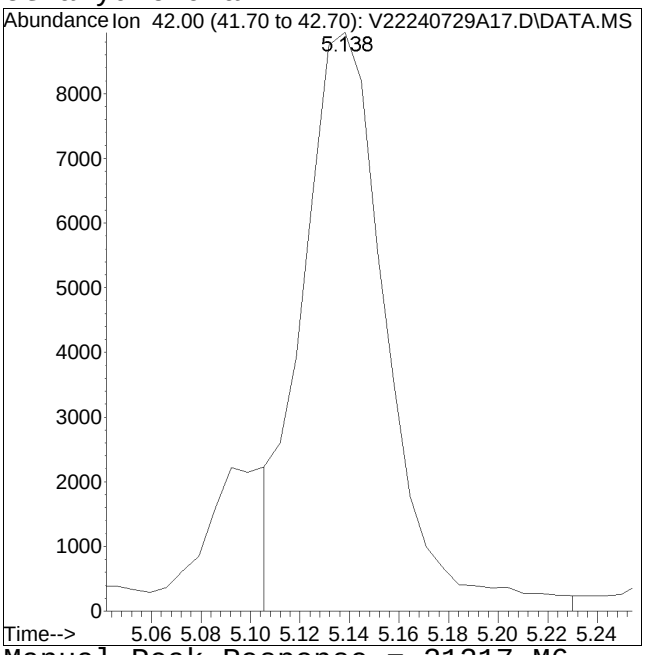
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A17.D
Date Inj'd : 7/29/2024 7:08 pm
Sample : C8260STD10PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 7:08 am

Compound #37: Tetrahydrofuran



Original Peak Response = 22896



Manual Peak Response = 21217 M6

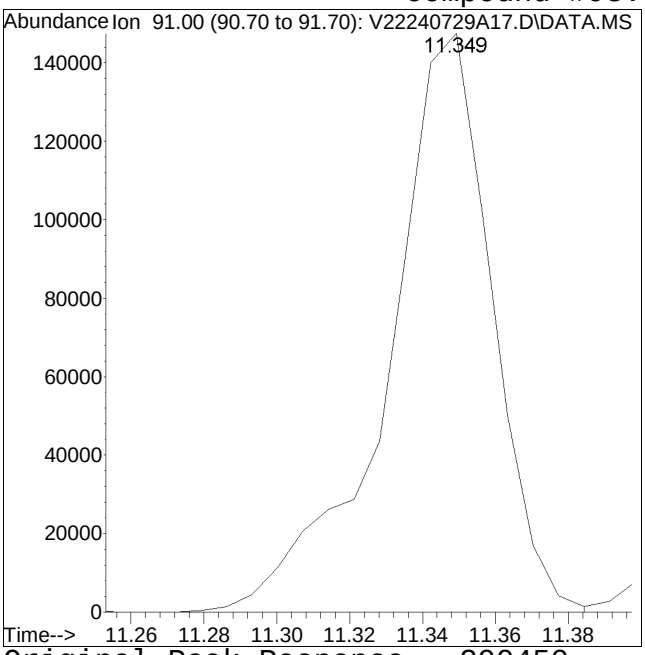
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

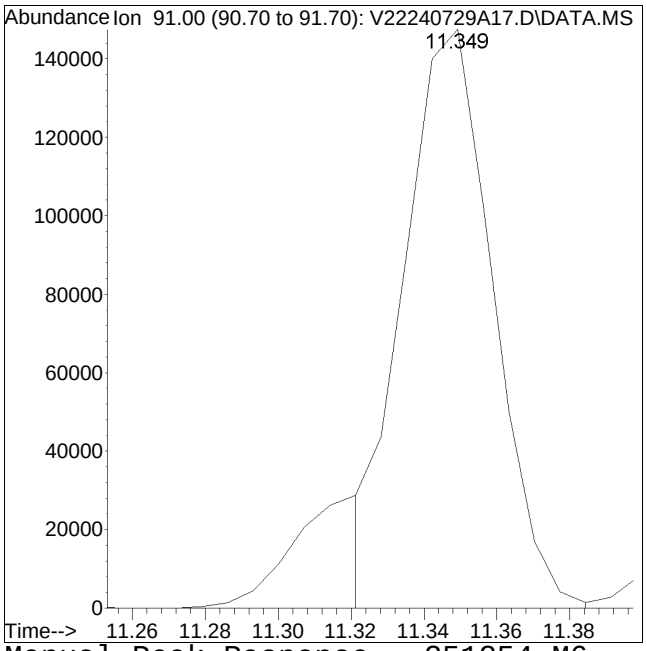
Data Path : K:\VOA122\2024\240729AICALQ
Data File : V22240729A17.D
Date Inj'd : 7/29/2024 7:08 pm
Sample : C8260STD10PPB

Method : V122_240729A_8260.m
Operator : VOA122:PID
Instrument : VOA 122
Quant Date : 7/30/2024 7:08 am

Compound #93: 2-Chlorotoluene



Original Peak Response = 290450



Manual Peak Response = 251254 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA 122

Method Path : K:\VOA122\2024\240729AICAL\
Method File : V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
7	TP Trichlorofluoromethane	L	ug/L	10.0	10.753	7.5	0.50	0.501	0.2
33	TP Cyclohexane	L	ug/L	10.0	10.553	5.5	2.00	1.763	-11.9
50	TP Methyl cyclohexane	L	ug/L	10.0	9.764	-2.4	2.00	2.084	4.2
68	TP trans-1,3-Dichloropropene	L	ug/L	10.0	8.583	-14.2	0.50	0.647	29.4
72	TP Chlorodibromomethane	L	ug/L	10.0	8.898	-11.0	0.50	0.610	22.0
102	TP sec-Butylbenzene	L	ug/L	10.0	10.460	4.6	0.50	0.535	7.0
103	TP p-Isopropyltoluene	L	ug/L	10.0	10.357	3.6	0.50	0.548	9.6
107	TP n-Butylbenzene	L	ug/L	10.0	10.492	4.9	0.50	0.542	8.4
110	TP 1,2-Dibromo-3-chloropropane	L	ug/L	10.0	8.817	-11.8	0.50	0.613	22.6
112	TP Hexachlorobutadiene	L	ug/L	10.0	9.952	-0.5	0.50	0.612	22.4
114	TP Naphthalene	L	ug/L	10.0	9.416	-5.8	0.50	0.571	14.2

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
7	TP Trichlorofluoromethane	Linear	0.998671	0.000000	0.24355	-0.00501306
33	TP Cyclohexane	Linear	0.999276	0.000000	0.357513	-0.0264869
50	TP Methyl cyclohexane	Linear	0.999608	0.000000	0.235814	-0.0304005
68	TP trans-1,3-Dichloropropene	Linear	0.999155	0.000000	0.213644	-0.00820122
72	TP Chlorodibromomethane	Linear	0.999477	0.000000	0.161958	-0.00544907
102	TP sec-Butylbenzene	Linear	0.999175	0.000000	1.68629	-0.0426095
103	TP p-Isopropyltoluene	Linear	0.999544	0.000000	1.42851	-0.0402949
107	TP n-Butylbenzene	Linear	0.999611	0.000000	1.18857	-0.0329415
110	TP 1,2-Dibromo-3-chloropropane	Linear	0.999329	0.000000	0.040244	-0.00209494
112	TP Hexachlorobutadiene	Linear	0.998879	0.000000	0.155902	-0.00497102
114	TP Naphthalene	Linear	0.998664	0.000000	0.843196	-0.0238888

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: GONZO	**Calibration Date**	: 08/23/24 07:49		
Lab File ID	: VG240823A01	**Init. Calib. Date(s)**	: 07/12/24	07/13/24	
Sample No	: WG1963895-2	**Init. Calib. Times**	: 21:20	00:56	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	103	0
Dichlorodifluoromethane	0.265	0.251	-	5.3	20	88	0
Chloromethane	0.227	0.227	-	0	20	103	0
Vinyl chloride	0.235	0.245	-	-4.3	20	96	0
Bromomethane	0.125	0.09	-	28*	20	75	0
Chloroethane	0.18	0.208	-	-15.6	20	114	0
Trichlorofluoromethane	0.345	0.365	-	-5.8	20	111	0
Ethyl ether	0.115	0.109	-	5.2	20	99	0
1,1-Dichloroethene	0.189	0.188	-	0.5	20	97	0
Carbon disulfide	0.556	0.596	-	-7.2	20	107	0
Freon-113	0.208	0.214	-	-2.9	20	102	0
Acrolein	0.033	0.031	-	6.1	20	95	0
Methylene chloride	0.224	0.222	-	0.9	20	102	0
Acetone	10	9.067	-	9.3	20	103	0
trans-1,2-Dichloroethene	0.207	0.21	-	-1.4	20	99	0
Methyl acetate	0.115	0.1	-	13	20	93	0
Methyl tert-butyl ether	0.636	0.55	-	13.5	20	90	0
tert-Butyl alcohol	0.018	0.014	-	22.2*	20	83	0
Diisopropyl ether	0.65	0.725	-	-11.5	20	112	0
1,1-Dichloroethane	0.375	0.404	-	-7.7	20	105	0
Halothane	0.172	0.171	-	0.6	20	98	0
Acrylonitrile	0.058	0.062	-	-6.9	20	110	0
Ethyl tert-butyl ether	0.639	0.601	-	5.9	20	96	0
Vinyl acetate	0.347	0.516	-	-48.7*	20	144	0
cis-1,2-Dichloroethene	0.238	0.239	-	-0.4	20	100	0
2,2-Dichloropropane	0.313	0.325	-	-3.8	20	105	0
Bromochloromethane	0.116	0.111	-	4.3	20	94	0
Cyclohexane	0.356	0.38	-	-6.7	20	105	0
Chloroform	0.384	0.394	-	-2.6	20	100	0
Ethyl acetate	0.17	0.174	-	-2.4	20	111	0
Carbon tetrachloride	0.311	0.315	-	-1.3	20	94	0
Tetrahydrofuran	0.056	0.06	-	-7.1	20	106	0
Dibromofluoromethane	0.261	0.26	-	0.4	20	103	0
1,1,1-Trichloroethane	0.354	0.358	-	-1.1	20	99	0
2-Butanone	0.073	0.078	-	-6.8	20	111	0
1,1-Dichloropropene	0.283	0.29	-	-2.5	20	101	0
Benzene	0.857	0.883	-	-3	20	99	0
tert-Amyl methyl ether	0.585	0.49	-	16.2	20	86	0
1,2-Dichloroethane-d4	0.277	0.305	-	-10.1	20	109	0
1,2-Dichloroethane	0.273	0.301	-	-10.3	20	113	0
Methyl cyclohexane	0.333	0.326	-	2.1	20	92	0
Trichloroethene	0.242	0.234	-	3.3	20	97	0
Dibromomethane	0.135	0.129	-	4.4	20	96	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: GONZO	**Calibration Date**	: 08/23/24 07:49		
Lab File ID	: VG240823A01	**Init. Calib. Date(s)**	: 07/12/24	07/13/24	
Sample No	: WG1963895-2	**Init. Calib. Times**	: 21:20	00:56	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.209	0.221	-	-5.7	20	104	0
Bromodichloromethane	0.305	0.306	-	-0.3	20	101	0
1,4-Dioxane	0.00213	0.00159*	-	25.4*	20	81	0
cis-1,3-Dichloropropene	0.341	0.33	-	3.2	20	97	0
Chlorobenzene-d5	1	1	-	0	20	103	0
Toluene-d8	1.255	1.252	-	0.2	20	102	0
Toluene	0.695	0.702	-	-1	20	99	0
4-Methyl-2-pentanone	0.077	0.071	-	7.8	20	93	0
Tetrachloroethene	0.305	0.314	-	-3	20	99	0
trans-1,3-Dichloropropene	0.38	0.374	-	1.6	20	98	0
Ethyl methacrylate	0.32	0.276	-	13.7	20	89	0
1,1,2-Trichloroethane	0.191	0.192*	-	-0.5	20	102	0
Chlorodibromomethane	0.302	0.298	-	1.3	20	98	0
1,3-Dichloropropane	0.38	0.385	-	-1.3	20	100	0
1,2-Dibromoethane	0.242	0.229	-	5.4	20	96	0
2-Hexanone	0.142	0.127	-	10.6	20	98	0
Chlorobenzene	0.775	0.805	-	-3.9	20	102	0
Ethylbenzene	1.327	1.339	-	-0.9	20	98	0
1,1,1,2-Tetrachloroethane	0.288	0.283	-	1.7	20	97	0
p/m Xylene	0.525	0.531	-	-1.1	20	98	0
o Xylene	0.508	0.504	-	0.8	20	97	0
Styrene	0.861	0.87	-	-1	20	100	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
Bromoform	0.354	0.311	-	12.1	20	96	0
Isopropylbenzene	2.237	2.135	-	4.6	20	96	0
4-Bromofluorobenzene	0.835	0.77	-	7.8	20	101	0
Bromobenzene	0.619	0.615	-	0.6	20	102	0
n-Propylbenzene	2.606	2.579	-	1	20	101	0
1,4-Dichlorobutane	0.718	0.767	-	-6.8	20	113	0
1,1,2,2-Tetrachloroethane	0.497	0.496	-	0.2	20	107	0
4-Ethyltoluene	2.179	2.146	-	1.5	20	99	0
2-Chlorotoluene	1.598	1.552	-	2.9	20	100	0
1,3,5-Trimethylbenzene	1.929	1.884	-	2.3	20	98	0
1,2,3-Trichloropropane	0.416	0.404	-	2.9	20	103	0
trans-1,4-Dichloro-2-buten	0.114	0.123	-	-7.9	20	126	0
4-Chlorotoluene	1.645	1.608	-	2.2	20	98	0
tert-Butylbenzene	1.559	1.536	-	1.5	20	97	0
1,2,4-Trimethylbenzene	1.9	1.866	-	1.8	20	98	0
sec-Butylbenzene	2.217	2.166	-	2.3	20	97	0
p-Isopropyltoluene	1.925	1.892	-	1.7	20	98	0
1,3-Dichlorobenzene	1.136	1.188	-	-4.6	20	106	0
1,4-Dichlorobenzene	1.17	1.214	-	-3.8	20	106	0
p-Diethylbenzene	1.106	1.075	-	2.8	20	97	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: GONZO		**Calibration Date**	: 08/23/24 07:49	
Lab File ID	: VG240823A01		**Init. Calib. Date(s)**	: 07/12/24	07/13/24
Sample No	: WG1963895-2		**Init. Calib. Times**	: 21:20	00:56
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
n-Butylbenzene	1.522	1.537	-	-1	20	101	0
1,2-Dichlorobenzene	1.084	1.106	-	-2	20	104	0
1,2,4,5-Tetramethylbenzene	1.655	1.425	-	13.9	20	90	0
1,2-Dibromo-3-chloropropan	0.092	0.074	-	19.6	20	91	0
1,3,5-Trichlorobenzene	0.713	0.736	-	-3.2	20	106	0
Hexachlorobutadiene	0.2	0.218	-	-9	20	116	0
1,2,4-Trichlorobenzene	0.618	0.571	-	7.6	20	98	0
Naphthalene	1.387	0.934	-	32.7*	20	75	0
1,2,3-Trichlorobenzene	0.514	0.452	-	12.1	20	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: VOA122	**Calibration Date**	: 08/23/24 16:03		
Lab File ID	: V22240823N01	**Init. Calib. Date(s)**	: 07/29/24	07/29/24	
Sample No	: WG1963652-2	**Init. Calib. Times**	: 13:23	17:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	84	0
Dichlorodifluoromethane	0.197	0.143	-	27.4*	20	56	0
Chloromethane	0.263	0.215	-	18.3	20	60	0
Vinyl chloride	0.208	0.21	-	-1	20	76	0
Bromomethane	0.084	0.057	-	32.1*	20	64	0
Chloroethane	0.12	0.099	-	17.5	20	63	0
Trichlorofluoromethane	10	10.372	-	-3.7	20	81	0
Ethyl ether	0.07	0.061	-	12.9	20	71	0
1,1-Dichloroethene	0.138	0.135	-	2.2	20	75	0
Carbon disulfide	0.454	0.428	-	5.7	20	71	0
Freon-113	0.143	0.152	-	-6.3	20	83	0
Iodomethane	0.182	0.118	-	35.2*	20	58	0
Acrolein	0.024	0.02	-	16.7	20	68	0
Methylene chloride	0.183	0.161	-	12	20	71	0
Acetone	0.033	0.034	-	-3	20	83	0
trans-1,2-Dichloroethene	0.162	0.147	-	9.3	20	70	0
Methyl acetate	0.086	0.073	-	15.1	20	73	0
Methyl tert-butyl ether	0.309	0.269	-	12.9	20	72	0
tert-Butyl alcohol	0.00648	0.00678*	-	-4.6	20	86	0
Diisopropyl ether	0.581	0.487	-	16.2	20	69	0
1,1-Dichloroethane	0.331	0.307	-	7.3	20	71	0
Halothane	0.121	0.117	-	3.3	20	74	0
Acrylonitrile	0.046	0.045	-	2.2	20	78	0
Ethyl tert-butyl ether	0.418	0.363	-	13.2	20	74	0
Vinyl acetate	0.348	0.282	-	19	20	67	0
cis-1,2-Dichloroethene	0.179	0.163*	-	8.9	20	70	0
2,2-Dichloropropane	0.207	0.207	-	0	20	78	0
Bromochloromethane	0.085	0.085*	-	0	20	78	0
Cyclohexane	10	10.061	-	-0.6	20	80	0
Chloroform	0.286	0.26*	-	9.1	20	73	0
Ethyl acetate	0.112	0.093	-	17	20	71	0
Carbon tetrachloride	0.206	0.21	-	-1.9	20	76	0
Tetrahydrofuran	0.037	0.035	-	5.4	20	78	0
Dibromofluoromethane	0.349	0.351	-	-0.6	20	83	0
1,1,1-Trichloroethane	0.241	0.233	-	3.3	20	75	0
2-Butanone	0.047	0.041	-	12.8	20	78	0
1,1-Dichloropropene	0.195	0.178	-	8.7	20	70	0
Benzene	0.633	0.53	-	16.3	20	68	0
tert-Amyl methyl ether	0.202	0.166	-	17.8	20	74	0
1,2-Dichloroethane-d4	0.295	0.302	-	-2.4	20	84	0
1,2-Dichloroethane	0.158	0.147	-	7	20	73	0
Methyl cyclohexane	10	9.567	-	4.3	20	83	0
Trichloroethene	0.135	0.118*	-	12.6	20	70	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: VOA122	**Calibration Date**	: 08/23/24 16:03		
Lab File ID	: V22240823N01	**Init. Calib. Date(s)**	: 07/29/24	07/29/24	
Sample No	: WG1963652-2	**Init. Calib. Times**	: 13:23	17:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Dibromomethane	0.068	0.063	-	7.4	20	76	0
1,2-Dichloropropane	0.141	0.125*	-	11.3	20	69	0
2-Chloroethyl vinyl ether	0.054	0.046	-	14.8	20	73	0
Bromodichloromethane	0.167	0.15*	-	10.2	20	73	0
1,4-Dioxane	0.00056	0.00066*	-	-17.9	20	93	0
cis-1,3-Dichloropropene	0.172	0.156*	-	9.3	20	71	0
Chlorobenzene-d5	1	1	-	0	20	86	0
Toluene-d8	1.274	1.218	-	4.4	20	83	0
Toluene	0.412	0.366	-	11.2	20	74	0
4-Methyl-2-pentanone	0.033	0.026*	-	21.2*	20	80	0
Tetrachloroethene	0.162	0.172	-	-6.2	20	88	0
trans-1,3-Dichloropropene	10	7.567	-	24.3*	20	75	0
Ethyl methacrylate	0.133	0.093	-	30.1*	20	65	0
1,1,2-Trichloroethane	0.097	0.08*	-	17.5	20	74	0
Chlorodibromomethane	10	8.322	-	16.8	20	80	0
1,3-Dichloropropane	0.19	0.162	-	14.7	20	74	0
1,2-Dibromoethane	0.108	0.097*	-	10.2	20	78	0
2-Hexanone	0.061	0.049	-	19.7	20	78	0
Chlorobenzene	0.467	0.426	-	8.8	20	76	0
Ethylbenzene	0.778	0.7	-	10	20	71	0
1,1,1,2-Tetrachloroethane	0.148	0.137	-	7.4	20	82	0
p/m Xylene	0.302	0.282	-	6.6	20	73	0
o Xylene	0.285	0.264	-	7.4	20	73	0
Styrene	0.459	0.432	-	5.9	20	74	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	92	0
Bromoform	0.15	0.129	-	14	20	87	0
Isopropylbenzene	1.551	1.403	-	9.5	20	75	0
4-Bromofluorobenzene	0.911	0.812	-	10.9	20	80	0
Bromobenzene	0.365	0.333	-	8.8	20	82	0
n-Propylbenzene	1.802	1.603	-	11	20	74	0
1,4-Dichlorobutane	0.472	0.402	-	14.8	20	78	0
1,1,2,2-Tetrachloroethane	0.254	0.206	-	18.9	20	77	0
4-Ethyltoluene	1.469	1.322	-	10	20	76	0
2-Chlorotoluene	1.086	0.934	-	14	20	74	0
1,3,5-Trimethylbenzene	1.245	1.115	-	10.4	20	76	0
1,2,3-Trichloropropane	0.194	0.161	-	17	20	77	0
trans-1,4-Dichloro-2-buten	0.086	0.073	-	15.1	20	80	0
4-Chlorotoluene	1.121	0.94	-	16.1	20	72	0
tert-Butylbenzene	1.081	1.015	-	6.1	20	79	0
1,2,4-Trimethylbenzene	1.391	1.13	-	18.8	20	68	0
sec-Butylbenzene	10	8.843	-	11.6	20	77	0
p-Isopropyltoluene	10	9.027	-	9.7	20	80	0
1,3-Dichlorobenzene	0.724	0.673	-	7	20	81	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: VOA122		**Calibration Date**	: 08/23/24 16:03	
Lab File ID	: V22240823N01		**Init. Calib. Date(s)**	: 07/29/24	07/29/24
Sample No	: WG1963652-2		**Init. Calib. Times**	: 13:23	17:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene	0.718	0.659	-	8.2	20	81	0
p-Diethylbenzene	0.788	0.696	-	11.7	20	79	0
n-Butylbenzene	10	8.76	-	12.4	20	76	0
1,2-Dichlorobenzene	0.64	0.592*	-	7.5	20	81	0
1,2,4,5-Tetramethylbenzene	1.081	0.892	-	17.5	20	76	0
1,2-Dibromo-3-chloropropan	10	8.467	-	15.3	20	88	0
1,3,5-Trichlorobenzene	0.417	0.401	-	3.8	20	83	0
Hexachlorobutadiene	10	9.176	-	8.2	20	84	0
1,2,4-Trichlorobenzene	0.355	0.332*	-	6.5	20	83	0
Naphthalene	10	8.446	-	15.5	20	82	0
1,2,3-Trichlorobenzene	0.301	0.287*	-	4.7	20	84	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2	TP	Dichlorodifluoromethane	0.265	0.251	5.3	88	0.00
3	TP	Chloromethane	0.227	0.227	0.0	103	0.00
4	TP	Vinyl chloride	0.235	0.245	-4.3	96	0.00
5	TP	Bromomethane	0.125	0.090	28.0#	75	0.00
6	TP	Chloroethane	0.180	0.208	-15.6	114	0.00
7	TP	Trichlorofluoromethane	0.345	0.365	-5.8	111	0.00
8	TP	Ethyl ether	0.115	0.109	5.2	99	0.00
10	TP	1,1-Dichloroethene	0.189	0.188	0.5	97	0.00
11	TP	Carbon disulfide	0.556	0.596	-7.2	107	0.00
12	TP	Freon-113	0.208	0.214	-2.9	102	0.00
14	TP	Acrolein	0.033	0.031	6.1	95	0.00
15	TP	Methylene chloride	0.224	0.222	0.9	102	0.00
17	TP	Acetone	* 10.000	9.067	9.3	103	0.00
18	TP	trans-1,2-Dichloroethene	0.207	0.210	-1.4	99	0.00
19	TP	Methyl acetate	0.115	0.100	13.0	93	0.00
20	TP	Methyl tert-butyl ether	0.636	0.550	13.5	90	0.00
21	TP	tert-Butyl alcohol	0.018	0.014	22.2#	83	0.00
22	TP	Diisopropyl ether	0.650	0.725	-11.5	112	0.00
23	TP	1,1-Dichloroethane	0.375	0.404	-7.7	105	0.00
24	TP	Halothane	0.172	0.171	0.6	98	0.00
25	TP	Acrylonitrile	0.058	0.062	-6.9	110	0.00
26	TP	Ethyl tert-butyl ether	0.639	0.601	5.9	96	0.00
27	TP	Vinyl acetate	0.347	0.516	-48.7#	144	0.00
28	TP	cis-1,2-Dichloroethene	0.238	0.239	-0.4	100	0.00
29	TP	2,2-Dichloropropane	0.313	0.325	-3.8	105	0.00
30	TP	Bromochloromethane	0.116	0.111	4.3	94	0.00
31	TP	Cyclohexane	0.356	0.380	-6.7	105	0.00
32	TP	Chloroform	0.384	0.394	-2.6	100	0.00
33	TP	Ethyl acetate	0.170	0.174	-2.4	111	0.00
34	TP	Carbon tetrachloride	0.311	0.315	-1.3	94	0.00
35	TP	Tetrahydrofuran	0.056	0.060	-7.1	106	0.00
36	S	Dibromofluoromethane	0.261	0.260	0.4	103	0.00
37	TP	1,1,1-Trichloroethane	0.354	0.358	-1.1	99	0.00
39	TP	2-Butanone	0.073	0.078	-6.8	111	0.00
40	TP	1,1-Dichloropropene	0.283	0.290	-2.5	101	0.00
41	TP	Benzene	0.857	0.883	-3.0	99	0.00
42	TP	tert-Amyl methyl ether	0.585	0.490	16.2	86	0.00
43	S	1,2-Dichloroethane-d4	0.277	0.305	-10.1	109	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TP	1,2-Dichloroethane	0.273	0.301	-10.3	113	0.00
47	TP	Methyl cyclohexane	0.333	0.326	2.1	92	0.00
48	TP	Trichloroethene	0.242	0.234	3.3	97	0.00
50	TP	Dibromomethane	0.135	0.129	4.4	96	0.00
51	TP	1,2-Dichloropropane	0.209	0.221	-5.7	104	0.00
54	TP	Bromodichloromethane	0.305	0.306	-0.3	101	0.00
57	TP	1,4-Dioxane	0.00213	0.00159#	25.4#	81	0.00
58	TP	cis-1,3-Dichloropropene	0.341	0.330	3.2	97	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
60	S	Toluene-d8	1.255	1.252	0.2	102	0.00
61	TP	Toluene	0.695	0.702	-1.0	99	0.00
62	TP	4-Methyl-2-pentanone	0.077	0.071	7.8	93	0.00
63	TP	Tetrachloroethene	0.305	0.314	-3.0	99	0.00
65	TP	trans-1,3-Dichloropropene	0.380	0.374	1.6	98	0.00
67	TP	Ethyl methacrylate	0.320	0.276	13.7	89	0.00
68	TP	1,1,2-Trichloroethane	0.191	0.192#	-0.5	102	0.00
69	TP	Chlorodibromomethane	0.302	0.298	1.3	98	0.00
70	TP	1,3-Dichloropropane	0.380	0.385	-1.3	100	0.00
71	TP	1,2-Dibromoethane	0.242	0.229	5.4	96	0.00
72	TP	2-Hexanone	0.142	0.127	10.6	98	0.00
73	TP	Chlorobenzene	0.775	0.805	-3.9	102	0.00
74	TP	Ethylbenzene	1.327	1.339	-0.9	98	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.288	0.283	1.7	97	0.00
76	TP	p/m Xylene	0.525	0.531	-1.1	98	0.00
77	TP	o Xylene	0.508	0.504	0.8	97	0.00
78	TP	Styrene	0.861	0.870	-1.0	100	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
80	TP	Bromoform	0.354	0.311	12.1	96	0.00
82	TP	Isopropylbenzene	2.237	2.135	4.6	96	0.00
83	S	4-Bromofluorobenzene	0.835	0.770	7.8	101	0.00
84	TP	Bromobenzene	0.619	0.615	0.6	102	0.00
85	TP	n-Propylbenzene	2.606	2.579	1.0	101	0.00
86	TP	1,4-Dichlorobutane	0.718	0.767	-6.8	113	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.497	0.496	0.2	107	0.00
88	TP	4-Ethyltoluene	2.179	2.146	1.5	99	0.00
89	TP	2-Chlorotoluene	1.598	1.552	2.9	100	0.00
90	TP	1,3,5-Trimethylbenzene	1.929	1.884	2.3	98	0.00

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
91 TP	1,2,3-Trichloropropane	0.416	0.404	2.9	103	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.114	0.123	-7.9	126	0.00
93 TP	4-Chlorotoluene	1.645	1.608	2.2	98	0.00
94 TP	tert-Butylbenzene	1.559	1.536	1.5	97	0.00
97 TP	1,2,4-Trimethylbenzene	1.900	1.866	1.8	98	0.00
98 TP	sec-Butylbenzene	2.217	2.166	2.3	97	0.00
99 TP	p-Isopropyltoluene	1.925	1.892	1.7	98	0.00
100 TP	1,3-Dichlorobenzene	1.136	1.188	-4.6	106	0.00
101 TP	1,4-Dichlorobenzene	1.170	1.214	-3.8	106	0.00
102 TP	p-Diethylbenzene	1.106	1.075	2.8	97	0.00
103 TP	n-Butylbenzene	1.522	1.537	-1.0	101	0.00
104 TP	1,2-Dichlorobenzene	1.084	1.106	-2.0	104	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.655	1.425	13.9	90	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.092	0.074	19.6	91	0.00
107 TP	1,3,5-Trichlorobenzene	0.713	0.736	-3.2	106	0.00
108 TP	Hexachlorobutadiene	0.200	0.218	-9.0	116	0.00
109 TP	1,2,4-Trichlorobenzene	0.618	0.571	7.6	98	0.00
110 TP	Naphthalene	1.387	0.934	32.7#	75	0.00
111 TP	1,2,3-Trichlorobenzene	0.514	0.452	12.1	94	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	365245	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.621	117	285642	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.311	152	170158	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	94893	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%			
43) 1,2-Dichloroethane-d4	5.805	65	111225	10.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.75%			
60) Toluene-d8	7.772	98	357691	9.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.75%			
83) 4-Bromofluorobenzene	11.109	95	131033	9.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.680	85	91841	9.471	ug/L	98
3) Chloromethane	1.892	50	82733	9.974	ug/L	96
4) Vinyl chloride	1.946	62	89424	10.406	ug/L	98
5) Bromomethane	2.265	94	32918	7.235	ug/L	91
6) Chloroethane	2.364	64	75831	11.543	ug/L	96
7) Trichlorofluoromethane	2.515	101	133192	10.572	ug/L	99
8) Ethyl ether	2.819	74	39725	9.497	ug/L #	84
10) 1,1-Dichloroethene	3.017	96	68843	9.964	ug/L	87
11) Carbon disulfide	3.047	76	217773	10.717	ug/L	99
12) Freon-113	3.047	101	78109	10.303	ug/L	78
14) Acrolein	3.344	56	11424	9.615	ug/L	94
15) Methylene chloride	3.579	84	80930	9.907	ug/L	80
17) Acetone	3.625	43	17563	9.067	ug/L	100
18) trans-1,2-Dichloroethene	3.723	96	76603	10.136	ug/L	93
19) Methyl acetate	3.731	43	36452	8.676	ug/L	96
20) Methyl tert-butyl ether	3.815	73	200761	8.639	ug/L #	90
21) tert-Butyl alcohol	3.913	59	25482	39.520	ug/L #	64
22) Diisopropyl ether	4.172	45	264833	11.158	ug/L	95
23) 1,1-Dichloroethane	4.308	63	147396	10.767	ug/L	98
24) Halothane	4.362	117	62375	9.936	ug/L	98
25) Acrylonitrile	4.369	53	22594	10.583	ug/L	96
26) Ethyl tert-butyl ether	4.521	59	219335	9.393	ug/L #	81
27) Vinyl acetate	4.544	43	188490	14.858	ug/L	97
28) cis-1,2-Dichloroethene	4.833	96	87115	10.024	ug/L	95
29) 2,2-Dichloropropane	4.924	77	118795	10.408	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
30) Bromochloromethane	5.030	128	40379	9.497	ug/L	#	78
31) Cyclohexane	5.023	56	138678	10.679	ug/L		79
32) Chloroform	5.098	83	144014	10.276	ug/L		96
33) Ethyl acetate	5.205	43	63493	10.233	ug/L	#	96
34) Carbon tetrachloride	5.228	117	115055	10.130	ug/L		98
35) Tetrahydrofuran	5.250	42	22076M6	10.863	ug/L		
37) 1,1,1-Trichloroethane	5.296	97	130714	10.114	ug/L		96
39) 2-Butanone	5.395	43	28442	10.736	ug/L	#	81
40) 1,1-Dichloropropene	5.418	75	106055	10.264	ug/L		98
41) Benzene	5.661	78	322524	10.307	ug/L		95
42) tert-Amyl methyl ether	5.767	73	178850	8.370	ug/L	#	91
44) 1,2-Dichloroethane	5.873	62	110013	11.032	ug/L		96
47) Methyl cyclohexane	6.246	83	119210	9.804	ug/L		85
48) Trichloroethene	6.261	95	85610	9.702	ug/L		99
50) Dibromomethane	6.709	93	47261	9.575	ug/L		98
51) 1,2-Dichloropropane	6.808	63	80744	10.576	ug/L		98
54) Bromodichloromethane	6.884	83	111736	10.026	ug/L		99
57) 1,4-Dioxane	7.091	88	29035	373.867	ug/L	#	84
58) cis-1,3-Dichloropropene	7.571	75	120414	9.661	ug/L	#	91
61) Toluene	7.836	92	200437	10.097	ug/L		97
62) 4-Methyl-2-pentanone	8.273	58	20289	9.270	ug/L		83
63) Tetrachloroethene	8.280	166	89632	10.286	ug/L		98
65) trans-1,3-Dichloropropene	8.323	75	106838	9.830	ug/L		91
67) Ethyl methacrylate	8.502	69	78827	8.626	ug/L		96
68) 1,1,2-Trichloroethane	8.510	83	54749	10.051	ug/L		100
69) Chlorodibromomethane	8.725	129	85024	9.872	ug/L		99
70) 1,3-Dichloropropane	8.832	76	110045	10.136	ug/L		99
71) 1,2-Dibromoethane	8.997	107	65472	9.475	ug/L		97
72) 2-Hexanone	9.283	43	36364	8.959	ug/L		89
73) Chlorobenzene	9.645	112	229813	10.388	ug/L		100
74) Ethylbenzene	9.678	91	382498	10.092	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.727	131	80901	9.826	ug/L		99
76) p/m Xylene	9.867	106	303228	20.234	ug/L		99
77) o Xylene	10.402	106	287853	19.829	ug/L		97
78) Styrene	10.468	104	497259	20.213	ug/L		99
80) Bromoform	10.501	173	52896	8.775	ug/L		100
82) Isopropylbenzene	10.780	105	363321	9.544	ug/L		100
84) Bromobenzene	11.225	156	104594	9.938	ug/L		99
85) n-Propylbenzene	11.258	91	438871	9.897	ug/L		99
86) 1,4-Dichlorobutane	11.282	55	130460	10.683	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.356	83	84449	9.982	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
88) 4-Ethyltoluene	11.381	105	365233	9.852	ug/L		100
89) 2-Chlorotoluene	11.430	91	264076M1	9.710	ug/L		
90) 1,3,5-Trimethylbenzene	11.480	105	320549	9.768	ug/L		99
91) 1,2,3-Trichloropropane	11.496	75	68711M1	9.711	ug/L		
92) trans-1,4-Dichloro-2-b...	11.545	53	20883	10.765	ug/L	#	95
93) 4-Chlorotoluene	11.611	91	273662	9.775	ug/L		98
94) tert-Butylbenzene	11.817	119	261410	9.856	ug/L		99
97) 1,2,4-Trimethylbenzene	11.899	105	317523	9.821	ug/L		99
98) sec-Butylbenzene	12.006	105	368493	9.767	ug/L		99
99) p-Isopropyltoluene	12.162	119	321862	9.828	ug/L		100
100) 1,3-Dichlorobenzene	12.236	146	202161	10.455	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	206544	10.371	ug/L		100
102) p-Diethylbenzene	12.533	119	182972	9.726	ug/L		98
103) n-Butylbenzene	12.590	91	261590	10.101	ug/L		98
104) 1,2-Dichlorobenzene	12.747	146	188165	10.202	ug/L		99
105) 1,2,4,5-Tetramethylben...	13.322	119	242490	8.611	ug/L		98
106) 1,2-Dibromo-3-chloropr...	13.528	155	12644	8.058	ug/L		95
107) 1,3,5-Trichlorobenzene	13.553	180	125213	10.314	ug/L		99
108) Hexachlorobutadiene	14.120	225	37028	10.886	ug/L		99
109) 1,2,4-Trichlorobenzene	14.153	180	97200	9.246	ug/L		98
110) Naphthalene	14.441	128	158856	6.732	ug/L		100
111) 1,2,3-Trichlorobenzene	14.614	180	76979	8.806	ug/L		99

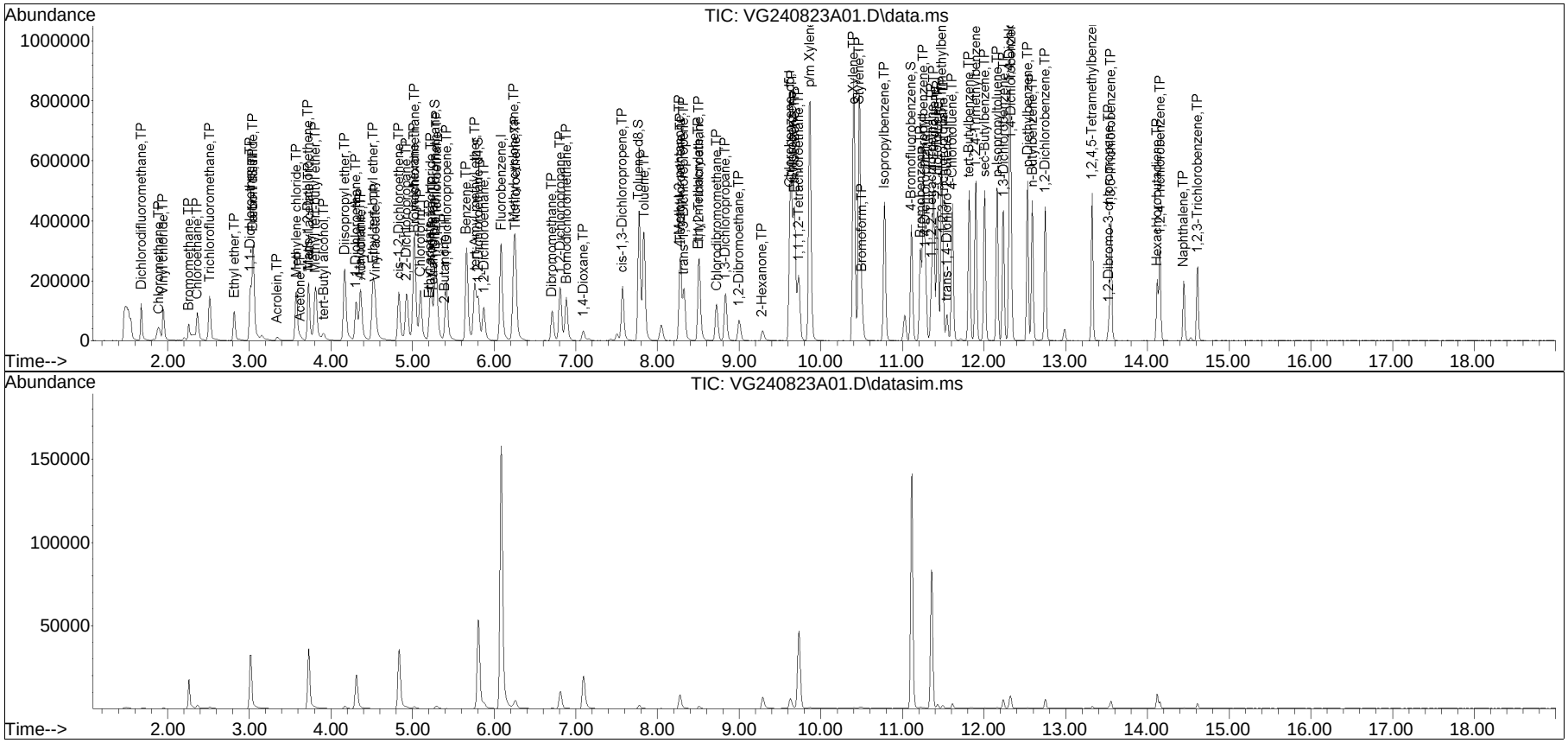
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

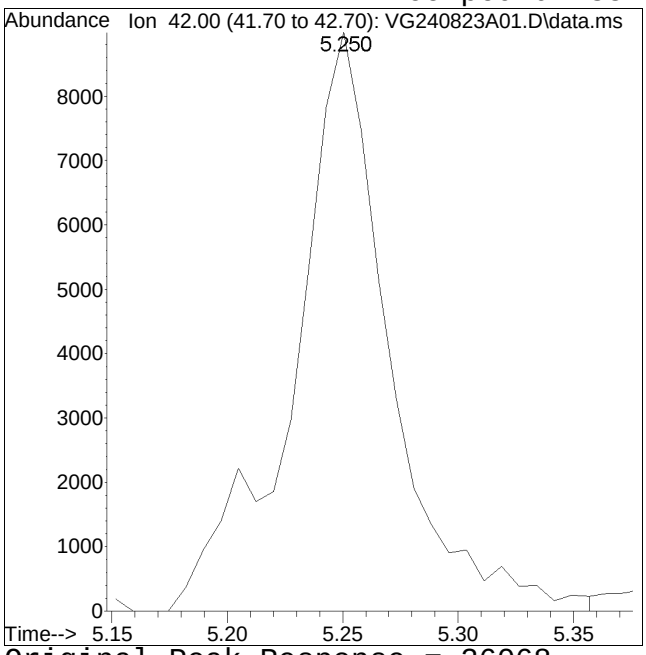
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane



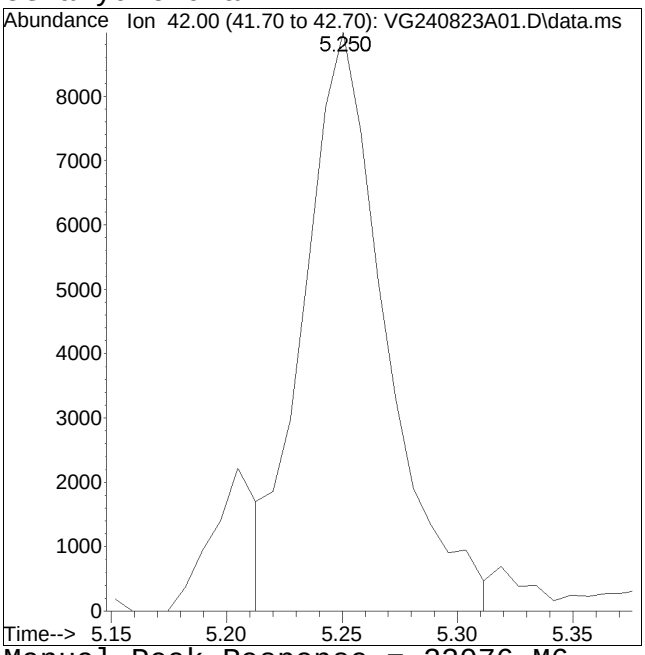
Manual Integration Report

Data Path	: K:\Gonzo\2024\240823A\	QMethod	: G_240712P_8260.m
Data File	: VG240823A01.D	Operator	: GONZO:PID
Date Inj'd	: 8/23/2024 7:49 am	Instrument	: Gonzo
Sample	: WG1963895-2	Quant Date	: 8/23/2024 8:26 am

Compound #35: Tetrahydrofuran



Original Peak Response = 26068



Manual Peak Response = 22076 M6

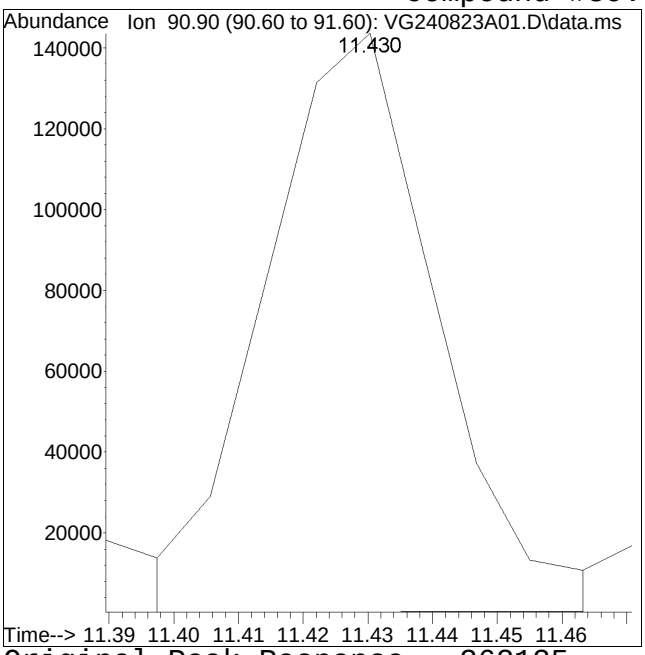
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

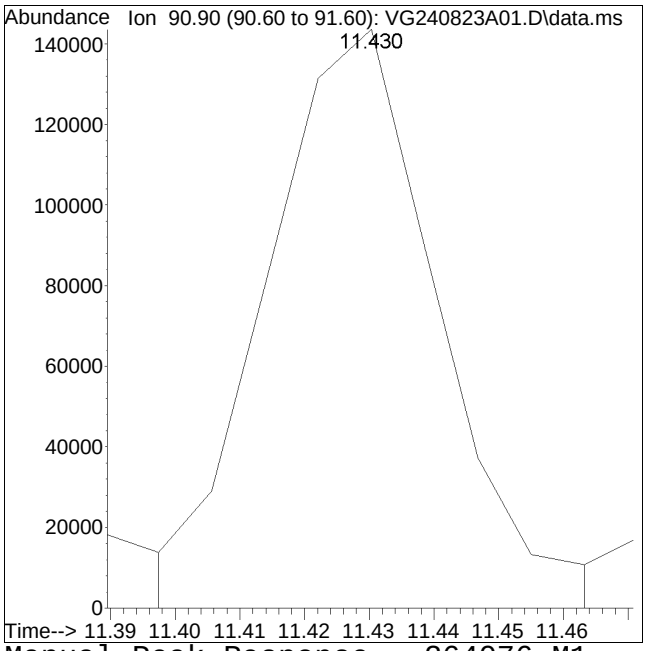
Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Date Inj'd : 8/23/2024 7:49 am
Sample : WG1963895-2

QMethod : G_240712P_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 8/23/2024 8:26 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 262125



Manual Peak Response = 264076 M1

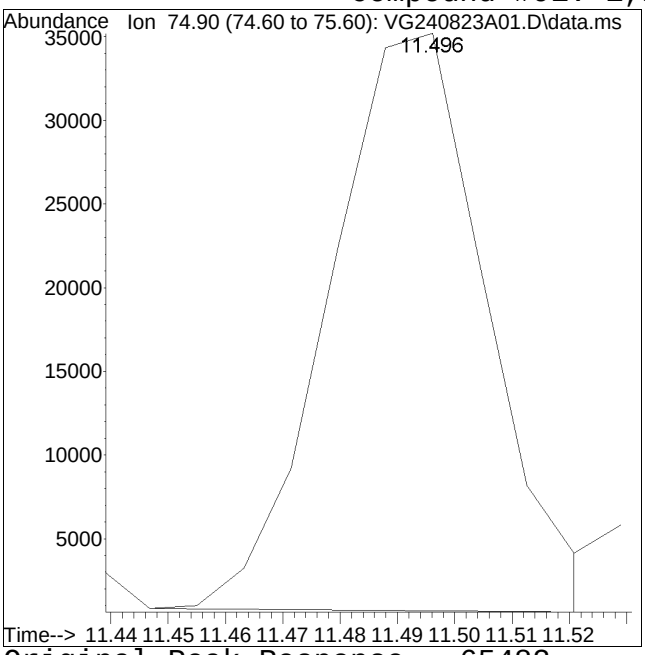
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

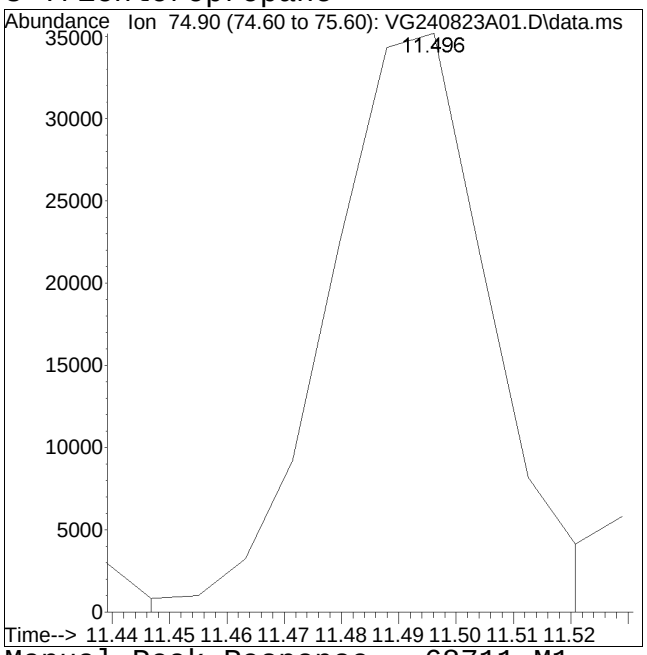
Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Date Inj'd : 8/23/2024 7:49 am
Sample : WG1963895-2

QMethod : G_240712P_8260.m
Operator : GONZO:PID
Instrument : Gonzo
Quant Date : 8/23/2024 8:26 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 65482



Manual Peak Response = 68711 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	84	0.00
2	TP	Dichlorodifluoromethane	0.197	0.143	27.4#	56	0.00
3	TP	Chloromethane	0.263	0.215	18.3	60	0.00
4	TP	Vinyl chloride	0.208	0.210	-1.0	76	0.00
5	TP	Bromomethane	0.084	0.057	32.1#	64	0.00
6	TP	Chloroethane	0.120	0.099	17.5	63	0.00
7	TP	Trichlorofluoromethane	* 10.000	10.372	-3.7	81	0.00
8	TP	Ethyl ether	0.070	0.061	12.9	71	0.00
10	TP	1,1-Dichloroethene	0.138	0.135	2.2	75	0.00
11	TP	Carbon disulfide	0.454	0.428	5.7	71	0.00
12	TP	Freon-113	0.143	0.152	-6.3	83	0.00
13	TP	Iodomethane	0.182	0.118	35.2#	58	0.00
14	TP	Acrolein	0.024	0.020	16.7	68	0.00
15	TP	Methylene chloride	0.183	0.161	12.0	71	0.00
17	TP	Acetone	0.033	0.034	-3.0	83	0.00
18	TP	trans-1,2-Dichloroethene	0.162	0.147	9.3	70	0.00
19	TP	Methyl acetate	0.086	0.073	15.1	73	0.00
21	TP	Methyl tert-butyl ether	0.309	0.269	12.9	72	0.00
22	TP	tert-Butyl alcohol	0.00648	0.00678#	-4.6	86	0.00
24	TP	Diisopropyl ether	0.581	0.487	16.2	69	0.00
25	TP	1,1-Dichloroethane	0.331	0.307	7.3	71	0.00
26	TP	Halothane	0.121	0.117	3.3	74	0.00
27	TP	Acrylonitrile	0.046	0.045	2.2	78	0.00
28	TP	Ethyl tert-butyl ether	0.418	0.363	13.2	74	0.00
29	TP	Vinyl acetate	0.348	0.282	19.0	67	0.00
30	TP	cis-1,2-Dichloroethene	0.179	0.163#	8.9	70	0.00
31	TP	2,2-Dichloropropane	0.207	0.207	0.0	78	0.00
32	TP	Bromochloromethane	0.085	0.085#	0.0	78	0.00
33	TP	Cyclohexane	* 10.000	10.061	-0.6	80	0.00
34	TP	Chloroform	0.286	0.260#	9.1	73	0.00
35	TP	Ethyl acetate	0.112	0.093	17.0	71	0.00
36	TP	Carbon tetrachloride	0.206	0.210	-1.9	76	0.00
37	TP	Tetrahydrofuran	0.037	0.035	5.4	78	0.00
38	S	Dibromofluoromethane	0.349	0.351	-0.6	83	0.00
39	TP	1,1,1-Trichloroethane	0.241	0.233	3.3	75	0.00
41	TP	2-Butanone	0.047	0.041	12.8	78	0.00
42	TP	1,1-Dichloropropene	0.195	0.178	8.7	70	0.00
44	TP	Benzene	0.633	0.530	16.3	68	0.00
45	TP	tert-Amyl methyl ether	0.202	0.166	17.8	74	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46	S	1,2-Dichloroethane-d4	0.295	0.302	-2.4	84	0.00
47	T	1,2-Dichloroethane	0.158	0.147	7.0	73	0.00
50	TP	Methyl cyclohexane	* 10.000	9.567	4.3	83	0.00
51	TP	Trichloroethene	0.135	0.118#	12.6	70	0.00
53	TP	Dibromomethane	0.068	0.063	7.4	76	0.00
54	TP	1,2-Dichloropropane	0.141	0.125#	11.3	69	0.00
56	TP	2-Chloroethyl vinyl ether	0.054	0.046	14.8	73	0.00
57	TP	Bromodichloromethane	0.167	0.150#	10.2	73	0.00
60	TP	1,4-Dioxane	0.00056	0.00066#	-17.9	93	0.00
61	TP	cis-1,3-Dichloropropene	0.172	0.156#	9.3	71	0.00
62	I	Chlorobenzene-d5	1.000	1.000	0.0	86	0.00
63	S	Toluene-d8	1.274	1.218	4.4	83	0.00
64	TP	Toluene	0.412	0.366	11.2	74	0.00
65	TP	4-Methyl-2-pentanone	0.033	0.026#	21.2#	80	0.00
66	TP	Tetrachloroethene	0.162	0.172	-6.2	88	0.00
68	TP	trans-1,3-Dichloropropene	* 10.000	7.567	24.3#	75	0.00
70	TP	Ethyl methacrylate	0.133	0.093	30.1#	65	0.00
71	TP	1,1,2-Trichloroethane	0.097	0.080#	17.5	74	0.00
72	TP	Chlorodibromomethane	* 10.000	8.322	16.8	80	0.00
73	TP	1,3-Dichloropropane	0.190	0.162	14.7	74	0.00
74	TP	1,2-Dibromoethane	0.108	0.097#	10.2	78	0.00
76	TP	2-Hexanone	0.061	0.049	19.7	78	0.00
77	TP	Chlorobenzene	0.467	0.426	8.8	76	0.00
78	TP	Ethylbenzene	0.778	0.700	10.0	71	0.00
79	TP	1,1,1,2-Tetrachloroethane	0.148	0.137	7.4	82	0.00
80	TP	p/m Xylene	0.302	0.282	6.6	73	0.00
81	TP	o Xylene	0.285	0.264	7.4	73	0.00
82	TP	Styrene	0.459	0.432	5.9	74	0.00
83	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
84	TP	Bromoform	0.150	0.129	14.0	87	0.00
86	TP	Isopropylbenzene	1.551	1.403	9.5	75	0.00
87	S	4-Bromofluorobenzene	0.911	0.812	10.9	80	0.00
88	TP	Bromobenzene	0.365	0.333	8.8	82	0.00
89	TP	n-Propylbenzene	1.802	1.603	11.0	74	0.00
90	TP	1,4-Dichlorobutane	0.472	0.402	14.8	78	0.00
91	TP	1,1,2,2-Tetrachloroethane	0.254	0.206	18.9	77	0.00
92	TP	4-Ethyltoluene	1.469	1.322	10.0	76	0.00

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
93 TP	2-Chlorotoluene		1.086	0.934	14.0	74	0.00
94 TP	1,3,5-Trimethylbenzene		1.245	1.115	10.4	76	0.00
95 TP	1,2,3-Trichloropropane		0.194	0.161	17.0	77	0.00
96 TP	trans-1,4-Dichloro-2-butene		0.086	0.073	15.1	80	0.00
97 TP	4-Chlorotoluene		1.121	0.940	16.1	72	0.00
98 TP	tert-Butylbenzene		1.081	1.015	6.1	79	0.00
101 TP	1,2,4-Trimethylbenzene		1.391	1.130	18.8	68	0.00
102 TP	sec-Butylbenzene	*	10.000	8.843	11.6	77	0.00
103 TP	p-Isopropyltoluene	*	10.000	9.027	9.7	80	0.00
104 TP	1,3-Dichlorobenzene		0.724	0.673	7.0	81	0.00
105 TP	1,4-Dichlorobenzene		0.718	0.659	8.2	81	0.00
106 TP	p-Diethylbenzene		0.788	0.696	11.7	79	0.00
107 TP	n-Butylbenzene	*	10.000	8.760	12.4	76	0.00
108 TP	1,2-Dichlorobenzene		0.640	0.592#	7.5	81	0.00
109 TP	1,2,4,5-Tetramethylbenzene		1.081	0.892	17.5	76	0.00
110 TP	1,2-Dibromo-3-chloropropane	*	10.000	8.467	15.3	88	0.00
111 TP	1,3,5-Trichlorobenzene		0.417	0.401	3.8	83	0.00
112 TP	Hexachlorobutadiene	*	10.000	9.176	8.2	84	0.00
113 TP	1,2,4-Trichlorobenzene		0.355	0.332#	6.5	83	0.00
114 TP	Naphthalene	*	10.000	8.446	15.5	82	0.00
115 TP	1,2,3-Trichlorobenzene		0.301	0.287#	4.7	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 15 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	428454	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 100.00%			
62) Chlorobenzene-d5	9.512	117	356768	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.229	152	187735	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	150509	10.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.54%			
46) 1,2-Dichloroethane-d4	5.688	65	129330	10.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
63) Toluene-d8	7.668	98	434428	9.557	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.57%			
87) 4-Bromofluorobenzene	11.012	95	152438	8.917	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.17%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.631	85	61311	7.248	ug/L	97
3) Chloromethane	1.815	50	92262	8.177	ug/L	97
4) Vinyl chloride	1.887	62	89777	10.057	ug/L	96
5) Bromomethane	2.195	94	24347	6.789	ug/L	97
6) Chloroethane	2.307	64	42530	8.242	ug/L	98
7) Trichlorofluoromethane	2.451	101	106080	10.372	ug/L	99
8) Ethyl ether	2.746	74	26253	8.804	ug/L #	1
10) 1,1-Dichloroethene	2.936	96	58032	9.790	ug/L #	73
11) Carbon disulfide	2.962	76	183538	9.425	ug/L	100
12) Freon-113	2.975	101	65146	10.627	ug/L	98
13) Iodomethane	3.067	142	50733	6.520	ug/L	96
14) Acrolein	3.244	56	8539	8.383	ug/L	99
15) Methylene chloride	3.473	84	68826	8.758	ug/L #	58
17) Acetone	3.512	43	14601	10.193	ug/L	97
18) trans-1,2-Dichloroethene	3.630	96	63080	9.097	ug/L	80
19) Methyl acetate	3.637	43	31272	8.484	ug/L #	84
21) Methyl tert-butyl ether	3.729	73	115141	8.684	ug/L #	77
22) tert-Butyl alcohol	3.807	59	14520	52.294	ug/L #	87
24) Diisopropyl ether	4.089	45	208626	8.374	ug/L #	91
25) 1,1-Dichloroethane	4.207	63	131532	9.287	ug/L	95
26) Halothane	4.260	117	49947	9.663	ug/L	99

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.247	53	19202	9.822	ug/L		95
28) Ethyl tert-butyl ether	4.437	59	155699	8.702	ug/L		84
29) Vinyl acetate	4.437	43	120633	8.101	ug/L	#	87
30) cis-1,2-Dichloroethene	4.725	96	69684	9.068	ug/L	#	80
31) 2,2-Dichloropropane	4.830	77	88519	9.973	ug/L	#	79
32) Bromochloromethane	4.915	128	36582	10.088	ug/L	#	73
33) Cyclohexane	4.928	56	142762	10.061	ug/L		68
34) Chloroform	4.987	83	111573	9.103	ug/L	#	95
35) Ethyl acetate	5.092	43	39671	8.244	ug/L	#	94
36) Carbon tetrachloride	5.125	117	90114	10.187	ug/L		97
37) Tetrahydrofuran	5.138	42	14985M6	9.502	ug/L		
39) 1,1,1-Trichloroethane	5.190	97	99941	9.669	ug/L		94
41) 2-Butanone	5.269	43	17620	8.753	ug/L	#	47
42) 1,1-Dichloropropene	5.308	75	76235	9.141	ug/L		99
44) Benzene	5.557	78	226988	8.364	ug/L	#	89
45) tert-Amyl methyl ether	5.669	73	71057	8.196	ug/L	#	80
47) 1,2-Dichloroethane	5.754	62	63015	9.294	ug/L		99
50) Methyl cyclohexane	6.147	83	83638	9.567	ug/L	#	60
51) Trichloroethene	6.153	95	50723	8.788	ug/L		96
53) Dibromomethane	6.584	93	27186	9.317	ug/L		87
54) 1,2-Dichloropropane	6.695	63	53482	8.825	ug/L		95
56) 2-Chloroethyl vinyl ether	7.390	63	19633	8.456	ug/L	#	78
57) Bromodichloromethane	6.764	83	64433	9.011	ug/L		100
60) 1,4-Dioxane	6.973	88	14103	589.886	ug/L	#	54
61) cis-1,3-Dichloropropene	7.452	75	66720	9.055	ug/L	#	86
64) Toluene	7.730	92	130433	8.876	ug/L		98
65) 4-Methyl-2-pentanone	8.161	58	9408	8.000	ug/L	#	73
66) Tetrachloroethene	8.175	166	61285	10.636	ug/L		96
68) trans-1,3-Dichloropropene	8.203	75	54754	7.567	ug/L		86
70) Ethyl methacrylate	8.405	69	33223	7.015	ug/L		86
71) 1,1,2-Trichloroethane	8.391	83	28637	8.298	ug/L		98
72) Chlorodibromomethane	8.600	129	46142	8.322	ug/L		99
73) 1,3-Dichloropropane	8.712	76	57644	8.520	ug/L		99
74) 1,2-Dibromoethane	8.881	107	34662	8.963	ug/L		99
76) 2-Hexanone	9.168	43	17617	8.061	ug/L	#	87
77) Chlorobenzene	9.533	112	152131	9.140	ug/L	#	88
78) Ethylbenzene	9.582	91	249872	9.005	ug/L		99
79) 1,1,1,2-Tetrachloroethane	9.624	131	48753	9.209	ug/L		96
80) p/m Xylene	9.771	106	201549	18.713	ug/L		98
81) o Xylene	10.311	106	188108	18.468	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) Styrene	10.374	104	308107	18.807	ug/L		98
84) Bromoform	10.388	173	24225	8.577	ug/L		100
86) Isopropylbenzene	10.697	105	263385	9.045	ug/L		100
88) Bromobenzene	11.125	156	62496	9.127	ug/L		98
89) n-Propylbenzene	11.181	91	300851	8.891	ug/L		99
90) 1,4-Dichlorobutane	11.188	55	75472	8.526	ug/L		95
91) 1,1,2,2-Tetrachloroethane	11.258	83	38581	8.099	ug/L		98
92) 4-Ethyltoluene	11.307	105	248264	9.002	ug/L		100
93) 2-Chlorotoluene	11.342	91	175398M6	8.605	ug/L		
94) 1,3,5-Trimethylbenzene	11.405	105	209269	8.955	ug/L		98
95) 1,2,3-Trichloropropane	11.398	75	30179	8.300	ug/L		99
96) trans-1,4-Dichloro-2-b...	11.454	53	13660	8.424	ug/L	#	68
97) 4-Chlorotoluene	11.524	91	176381	8.384	ug/L		96
98) tert-Butylbenzene	11.749	119	190584	9.395	ug/L		99
101) 1,2,4-Trimethylbenzene	11.826	105	212108	8.123	ug/L		95
102) sec-Butylbenzene	11.944	105	271936	8.843	ug/L		99
103) p-Isopropyltoluene	12.097	119	234519	9.027	ug/L		99
104) 1,3-Dichlorobenzene	12.153	146	126335	9.301	ug/L		99
105) 1,4-Dichlorobenzene	12.243	146	123650	9.179	ug/L		99
106) p-Diethylbenzene	12.473	119	130596	8.829	ug/L		99
107) n-Butylbenzene	12.529	91	189276	8.760	ug/L		98
108) 1,2-Dichlorobenzene	12.668	146	111058	9.242	ug/L		98
109) 1,2,4,5-Tetramethylben...	13.267	119	167494	8.257	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.455	155	6004	8.467	ug/L		98
111) 1,3,5-Trichlorobenzene	13.489	180	75313	9.622	ug/L		97
112) Hexachlorobutadiene	14.074	225	25924	9.176	ug/L		98
113) 1,2,4-Trichlorobenzene	14.088	180	62284	9.352	ug/L		98
114) Naphthalene	14.380	128	129219	8.446	ug/L		100
115) 1,2,3-Trichlorobenzene	14.554	180	53811	9.511	ug/L		98

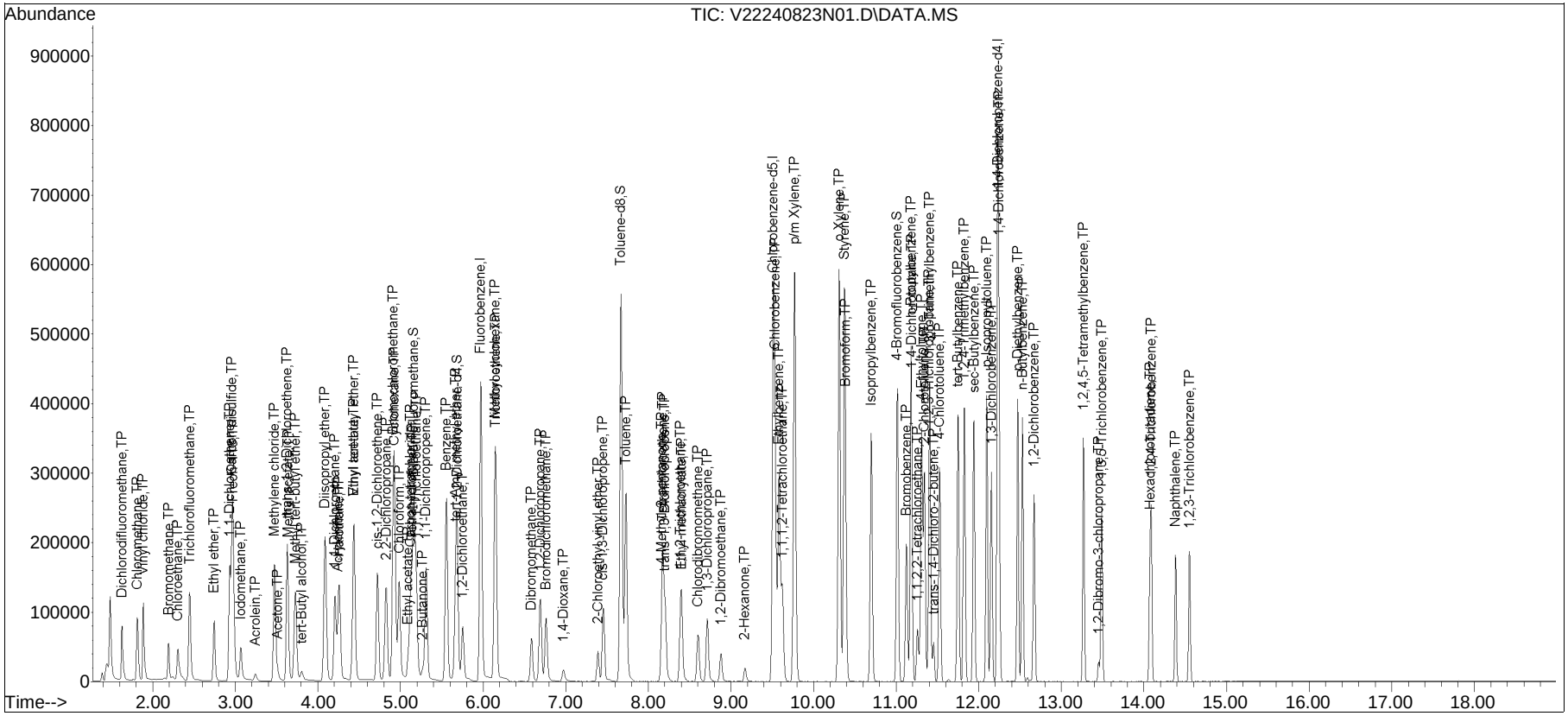
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-2
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

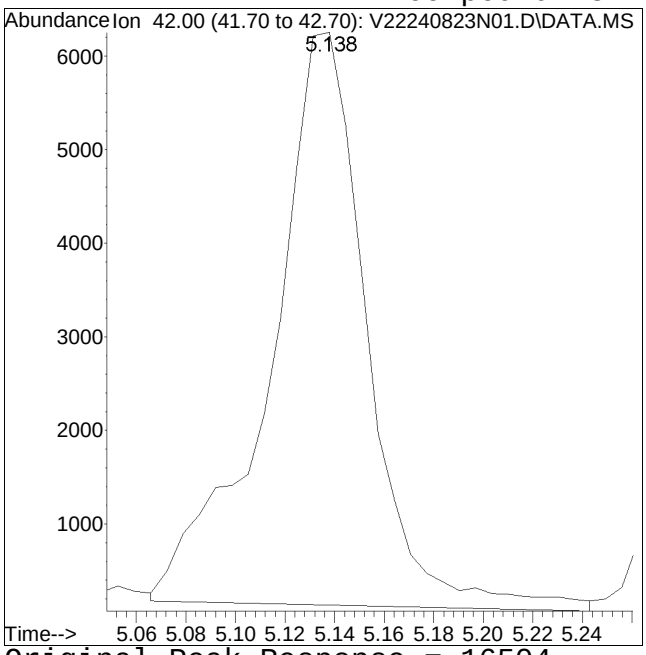
Sub List : 8260-Curve - Megamix plus Diox240823N01.D•



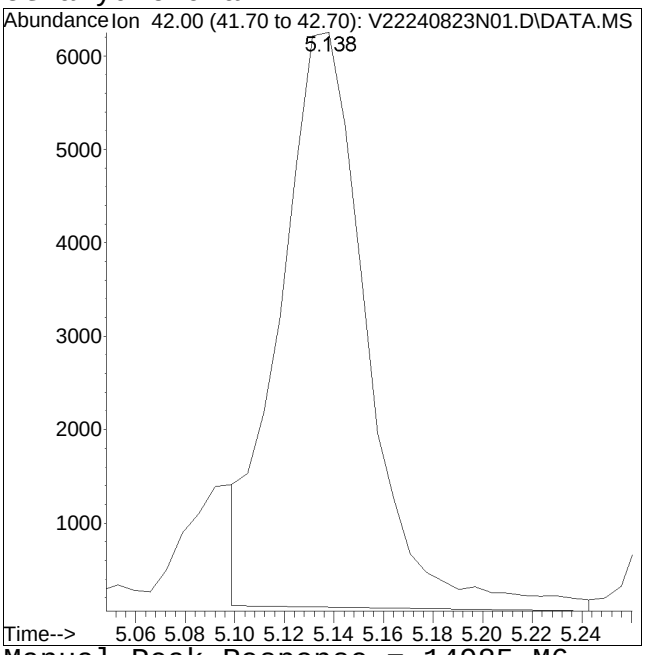
Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N01.D	Operator	: VOA122:TMS
Date Inj'd	: 8/23/2024 4:03 pm	Instrument	: VOA 122
Sample	: WG1963652-2	Quant Date	: 8/23/2024 4:25 pm

Compound #37: Tetrahydrofuran



Original Peak Response = 16504



Manual Peak Response = 14985 M6

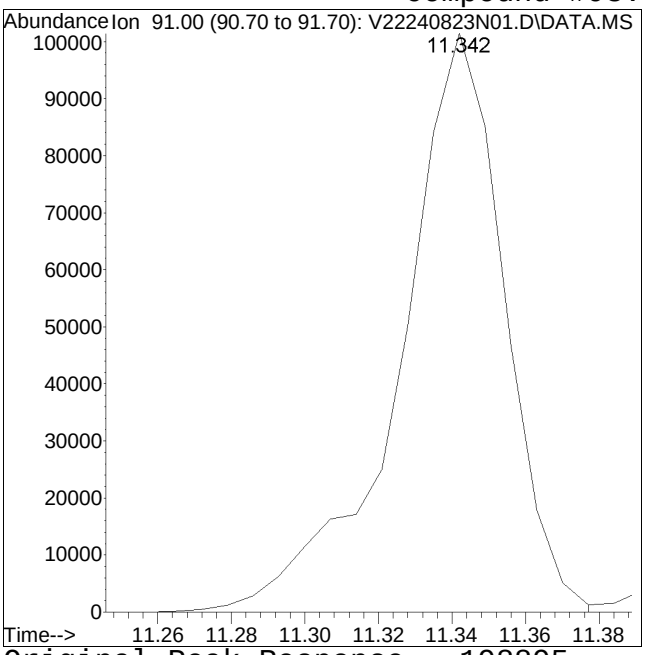
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

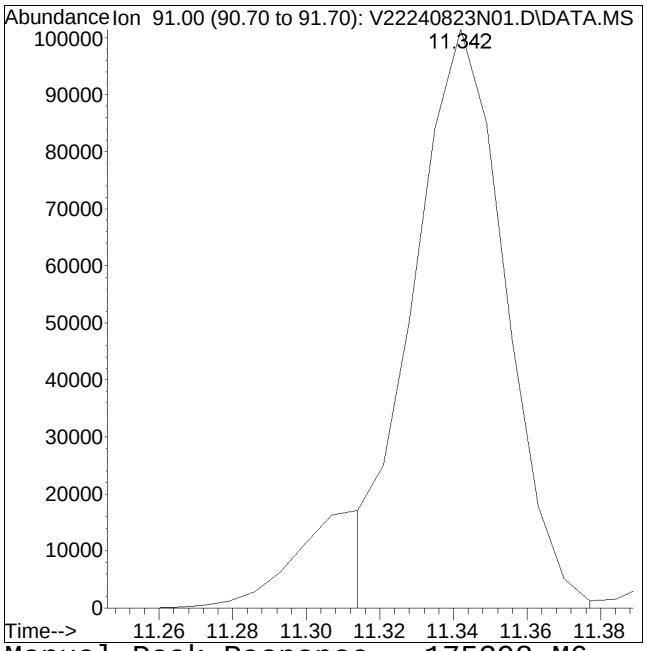
Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Date Inj'd : 8/23/2024 4:03 pm
Sample : WG1963652-2

QMethod : V122_240729A_8260.m
Operator : VOA122:TMS
Instrument : VOA 122
Quant Date : 8/23/2024 4:25 pm

Compound #93: 2-Chlorotoluene



Original Peak Response = 198895



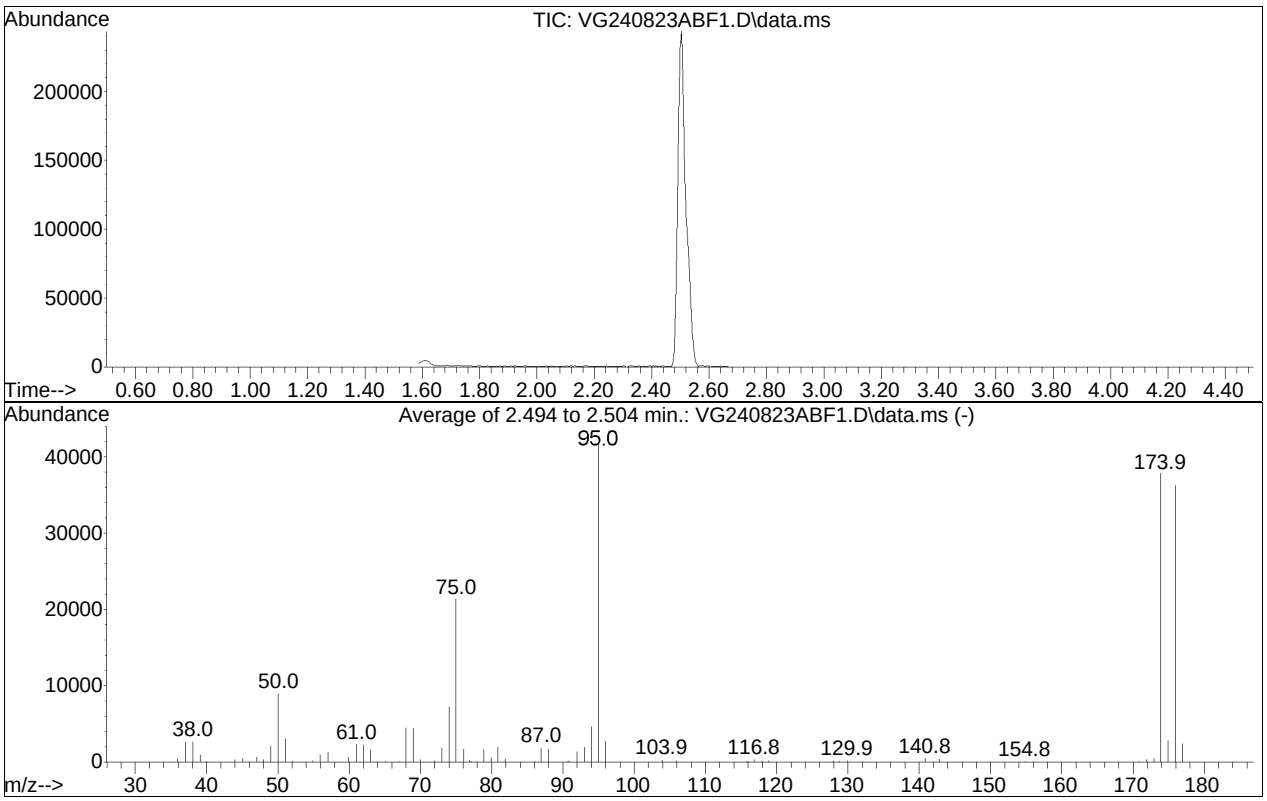
Manual Peak Response = 175398 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823ABF1.D
Acq On : 23 Aug 2024 7:35 am
Operator : GONZO:PID
Sample : WG1963895-1
Misc : WG1963895
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Jul 15 09:43:32 2024



AutoFind: Scans 174, 175, 176; Background Corrected with Scan 167

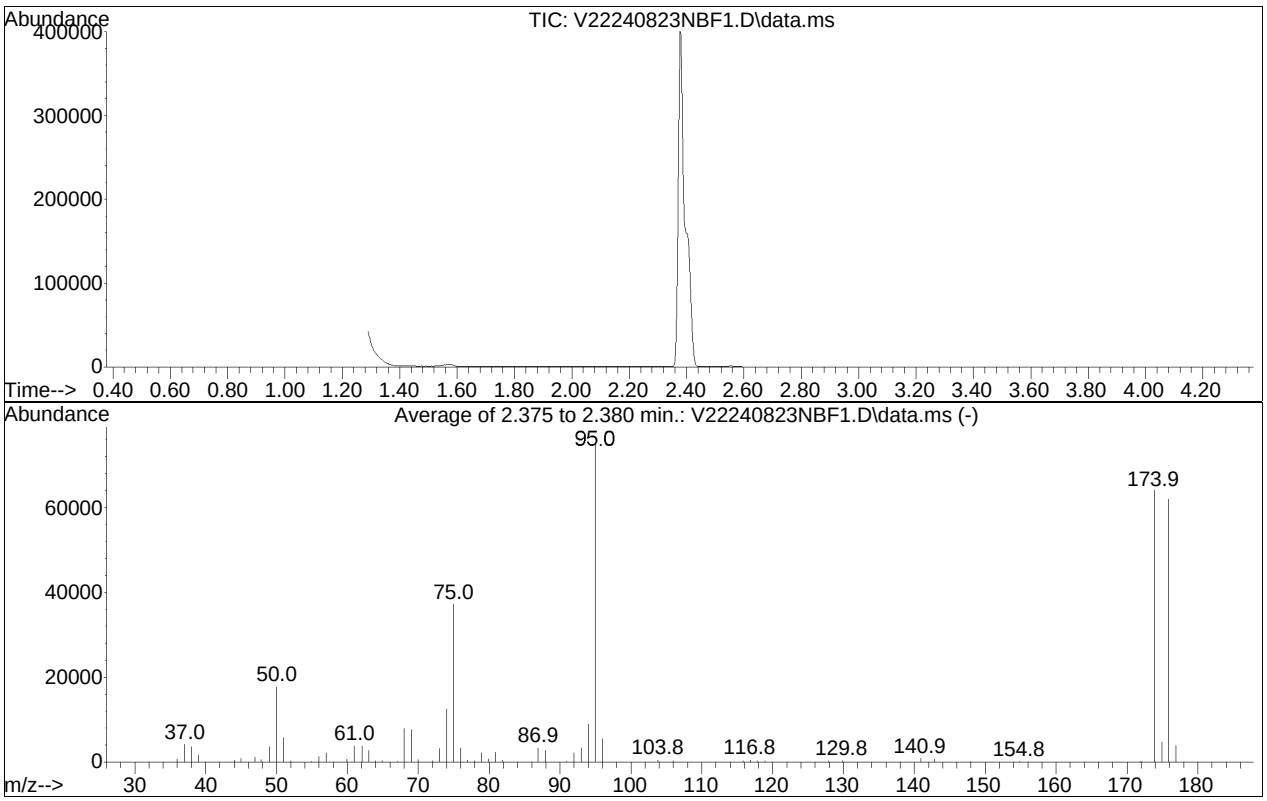
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	9018	PASS
75	95	30	60	51.0	21373	PASS
95	95	100	100	100.0	41920	PASS
96	95	5	9	6.5	2719	PASS
173	174	0.00	2	1.4	512	PASS
174	95	50	100	90.3	37848	PASS
175	174	5	9	7.5	2844	PASS
176	174	95	101	95.9	36309	PASS
177	176	5	9	6.6	2401	PASS

BFB

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823NBF1.D
Acq On : 23 Aug 2024 03:45 pm
Operator : VOA122:TMS
Sample : WG1963652-1
Misc : WG1963652
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Tue Jul 30 07:07:01 2024



AutoFind: Scans 390, 391, 392; Background Corrected with Scan 380

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.6	17803	PASS
75	95	30	60	49.4	37240	PASS
95	95	100	100	100.0	75315	PASS
96	95	5	9	7.2	5436	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	85.1	64056	PASS
175	174	5	9	7.4	4758	PASS
176	174	95	101	96.7	61955	PASS
177	176	5	9	6.3	3925	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A05.D
Acq On : 23 Aug 2024 9:24 am
Operator : GONZO:PID
Sample : WG1963895-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 11:49:11 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	326804	10.000	ug/L	0.00
Standard Area 1 = 365245			Recovery = 89.48%			
59) Chlorobenzene-d5	9.629	117	253530	10.000	ug/L	0.00
Standard Area 1 = 285642			Recovery = 88.76%			
79) 1,4-Dichlorobenzene-d4	12.319	152	140306	10.000	ug/L	0.00
Standard Area 1 = 170158			Recovery = 82.46%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	87861	10.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.93%			
43) 1,2-Dichloroethane-d4	5.805	65	97203	10.720	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.20%			
60) Toluene-d8	7.779	98	310497	9.755	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.55%			
83) 4-Bromofluorobenzene	11.118	95	108045	9.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.680	85	73	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.272	94	1137	0.279	ug/L	99
6) Chloroethane	2.295	64	88	N.D.		
7) Trichlorofluoromethane	2.455	101	83	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.055	76	1196	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.579	84	503	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	3.746	96	77	N.D.		
19) Methyl acetate	3.723	43	69	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	4.954	128	82	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A05.D
Acq On : 23 Aug 2024 9:24 am
Operator : GONZO:PID
Sample : WG1963895-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 11:49:11 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	5.440	43	78	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methyl cyclohexane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.	d	
58) cis-1,3-Dichloropropene	7.765	75	114	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	8.273	83	77	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	9.369	43	90	N.D.		
73) Chlorobenzene	9.637	112	237	N.D.		
74) Ethylbenzene	9.637	91	553	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	10.566	104	134	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
87) 1,1,2,2-Tetrachloroethane	11.200	83	77	N.D.		
100) 1,3-Dichlorobenzene	12.253	146	311	N.D.		
101) 1,4-Dichlorobenzene	12.319	146	318	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	14.178	180	243	N.D.		
111) 1,2,3-Trichlorobenzene	14.622	180	446	N.D.		

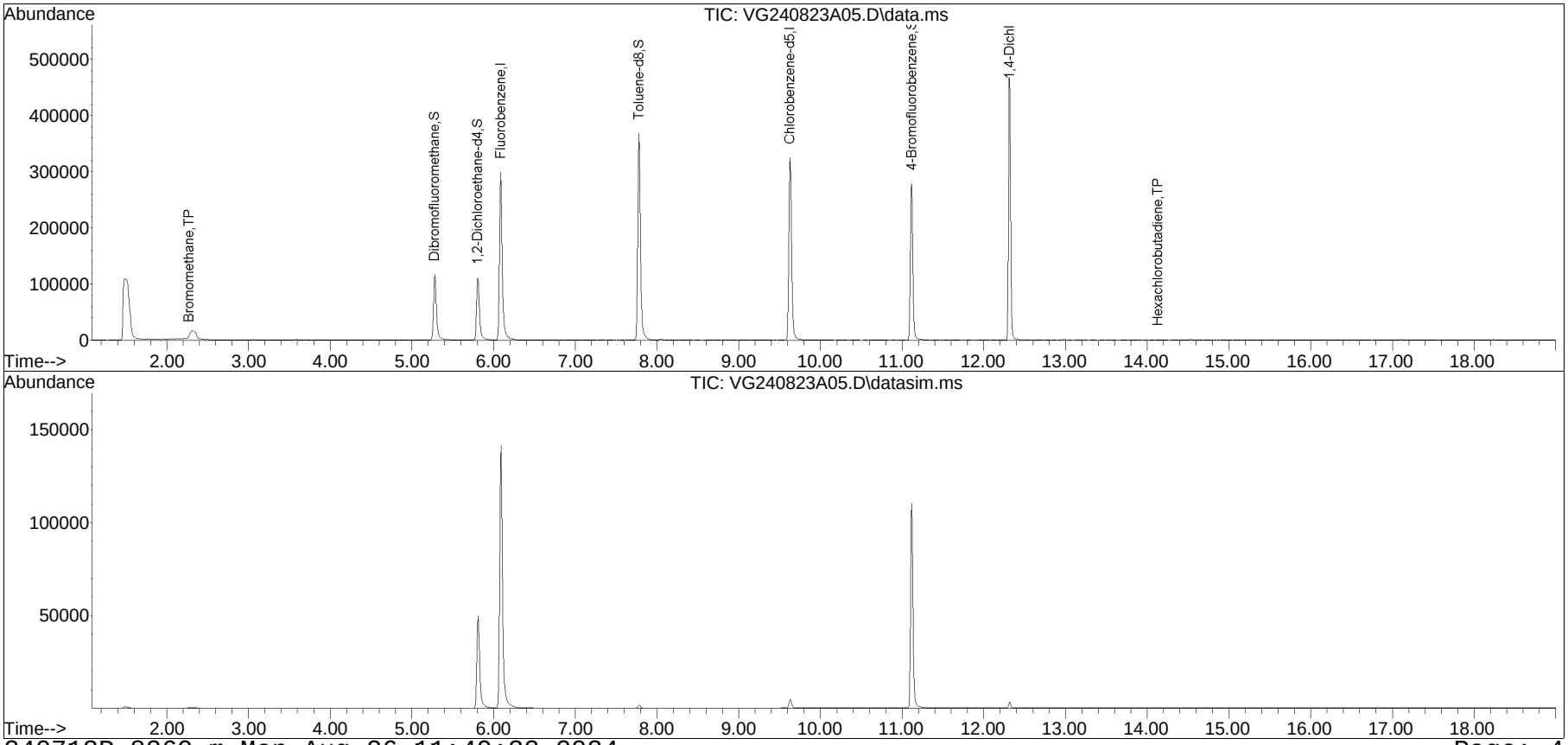
(#) = qualifier out of range (m) = manual integration (+) = signals summed

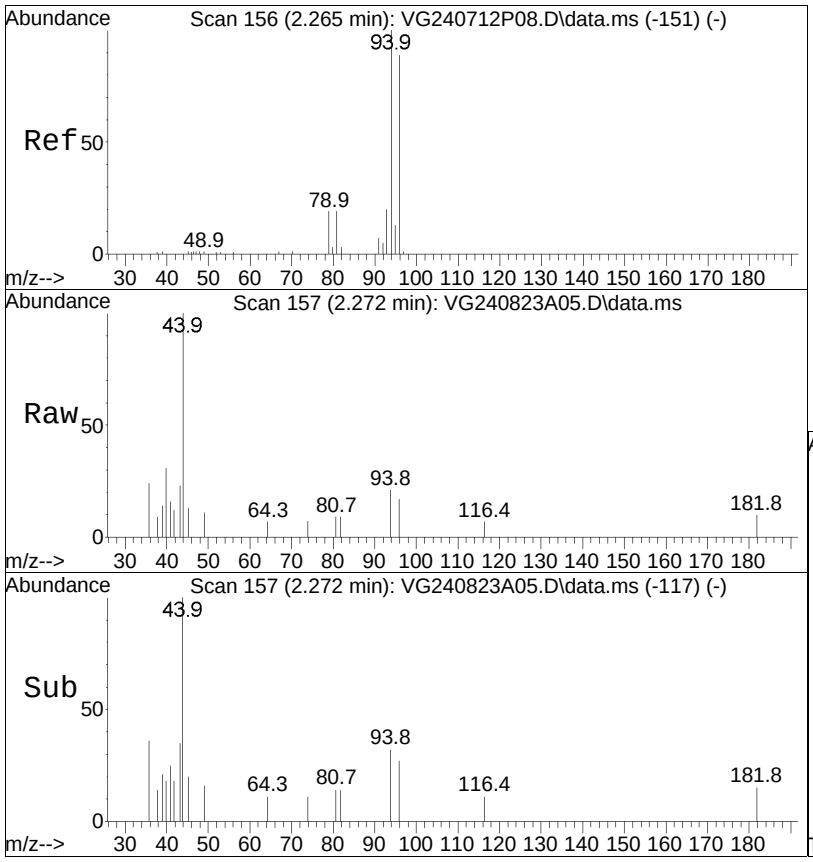
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A05.D
Acq On : 23 Aug 2024 9:24 am
Operator : GONZO:PID
Sample : WG1963895-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 11:49:11 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

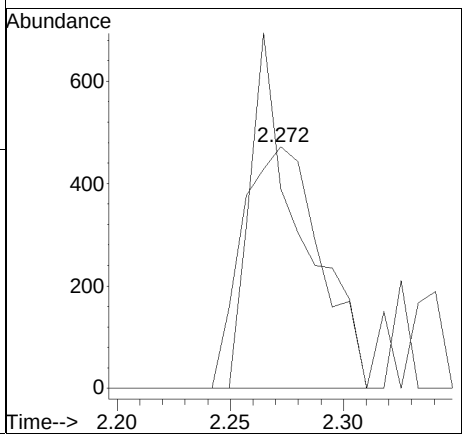




#5
Bromomethane
Concen: 0.28 ug/L
RT: 2.272 min Scan# 157
Delta R.T. 0.007 min
Lab File: VG240823A05.D
Acq: 23 Aug 2024 9:24 am

Tgt Ion: 94 Resp: 1137

Ion	Ratio	Lower	Upper
94	100		
96	94.4	75.2	115.2



Manual Integration Report

Data Path	: K:\Gonzo\2024\240823A\	QMethod	: G_240712P_8260.m
Data File	: VG240823A05.D	Operator	: GONZO:PID
Date Inj'd	: 8/23/2024 9:24 am	Instrument	: Gonzo
Sample	: WG1963895-5,31,10,10	Quant Date	: 8/26/2024 11:48 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N05.D
Acq On : 23 Aug 2024 05:42 pm
Operator : VOA122:TMS
Sample : WG1963652-5,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 18:56:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	414542	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 96.75%			
62) Chlorobenzene-d5	9.519	117	350250	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 98.17%			
83) 1,4-Dichlorobenzene-d4	12.229	152	176354	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 93.94%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	150536	10.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.93%			
46) 1,2-Dichloroethane-d4	5.682	65	122996	10.046	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.46%			
63) Toluene-d8	7.675	98	423672	9.494	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.94%			
87) 4-Bromofluorobenzene	11.019	95	142897	8.898	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.98%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.	d	
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.955	76	465	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.473	84	670	0.088	ug/L #	49
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
32) Bromochloromethane	0.000		0	N.D.		
33) Cyclohexane	0.000		0	N.D.		
34) Chloroform	0.000		0	N.D.		
36) Carbon tetrachloride	0.000		0	N.D.		

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N05.D
Acq On : 23 Aug 2024 05:42 pm
Operator : VOA122:TMS
Sample : WG1963652-5,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 18:56:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) 1,1,1-Trichloroethane	0.000		0	N.D.		
41) 2-Butanone	0.000		0	N.D.		
44) Benzene	0.000		0	N.D.		
47) 1,2-Dichloroethane	0.000		0	N.D.		
50) Methyl cyclohexane	0.000		0	N.D.		
51) Trichloroethene	0.000		0	N.D.		
54) 1,2-Dichloropropane	0.000		0	N.D.		
57) Bromodichloromethane	0.000		0	N.D.		
60) 1,4-Dioxane	0.000		0	N.D.		
61) cis-1,3-Dichloropropene	0.000		0	N.D.		
64) Toluene	0.000		0	N.D.		
65) 4-Methyl-2-pentanone	0.000		0	N.D.		
66) Tetrachloroethene	0.000		0	N.D.		
68) trans-1,3-Dichloropropene	0.000		0	N.D.		
71) 1,1,2-Trichloroethane	0.000		0	N.D.		
72) Chlorodibromomethane	0.000		0	N.D.		
74) 1,2-Dibromoethane	0.000		0	N.D.		
76) 2-Hexanone	0.000		0	N.D.		
77) Chlorobenzene	0.000		0	N.D.		
78) Ethylbenzene	0.000		0	N.D.	d	
80) p/m Xylene	0.000		0	N.D.		
81) o Xylene	0.000		0	N.D.		
82) Styrene	0.000		0	N.D.		
84) Bromoform	0.000		0	N.D.		
86) Isopropylbenzene	0.000		0	N.D.		
91) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
104) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
105) 1,4-Dichlorobenzene	12.243	146	88	N.D.		
108) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

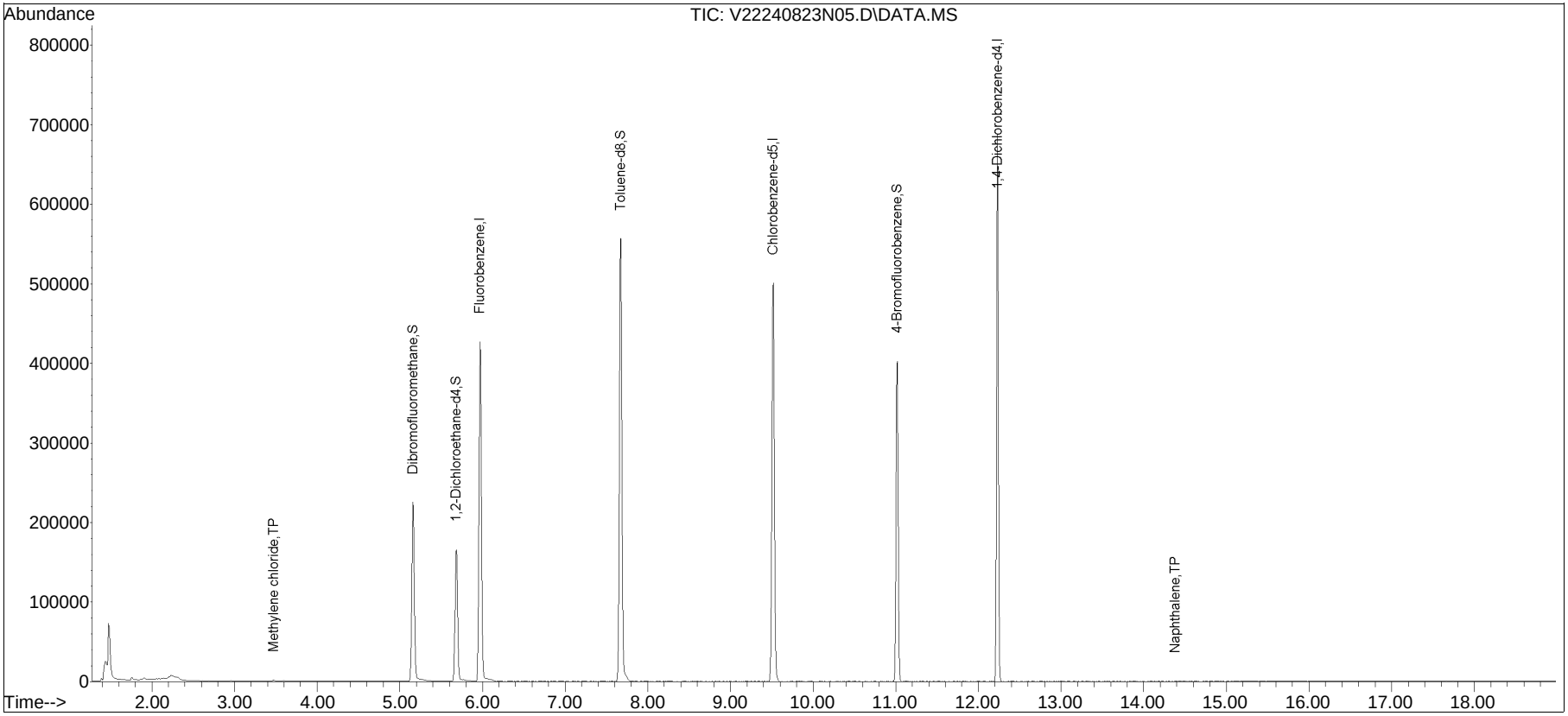
(#) = qualifier out of range (m) = manual integration (+) = signals summed

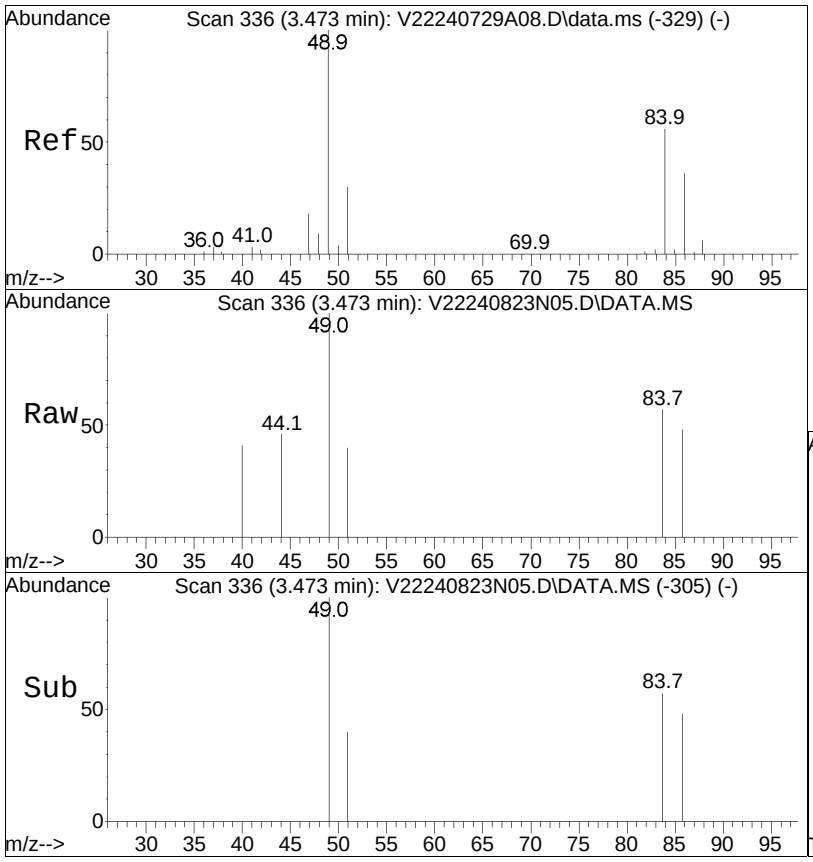
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N05.D
Acq On : 23 Aug 2024 05:42 pm
Operator : VOA122:TMS
Sample : WG1963652-5,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 23 18:56:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox240823N01.D•

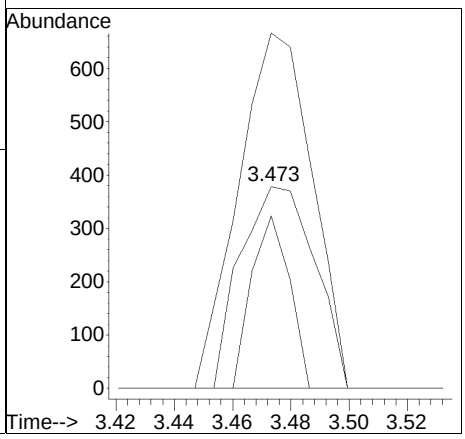




#15
Methylene chloride
Concen: 0.09 ug/L
RT: 3.473 min Scan# 336
Delta R.T. 0.000 min
Lab File: V22240823N05.D
Acq: 23 Aug 2024 05:42 pm

Tgt Ion: 84 Resp: 670

Ion	Ratio	Lower	Upper
84	100		
86	43.7	41.5	86.3
49	174.6	68.8	143.0#



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N05.D	Operator	: VOA122:TMS
Date Inj'd	: 8/23/2024 5:42 pm	Instrument	: VOA 122
Sample	: WG1963652-5,31,10,10	Quant Date	: 8/23/2024 6:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	365245	10.000	ug/L	0.00
59) Chlorobenzene-d5	9.621	117	285642	10.000	ug/L	0.00
79) 1,4-Dichlorobenzene-d4	12.311	152	170158	10.000	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	5.281	113	94893	9.947	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.47%			
43) 1,2-Dichloroethane-d4	5.805	65	111225	10.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.75%			
60) Toluene-d8	7.772	98	357691	9.975	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.75%			
83) 4-Bromofluorobenzene	11.109	95	131033	9.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.680	85	91841	9.471	ug/L	98
3) Chloromethane	1.892	50	82733	9.974	ug/L	96
4) Vinyl chloride	1.946	62	89424	10.406	ug/L	98
5) Bromomethane	2.265	94	32918	7.235	ug/L	91
6) Chloroethane	2.364	64	75831	11.543	ug/L	96
7) Trichlorofluoromethane	2.515	101	133192	10.572	ug/L	99
10) 1,1-Dichloroethene	3.017	96	68843	9.964	ug/L	87
11) Carbon disulfide	3.047	76	217773	10.717	ug/L	99
12) Freon-113	3.047	101	78109	10.303	ug/L	78
15) Methylene chloride	3.579	84	80930	9.907	ug/L	80
17) Acetone	3.625	43	17563	9.067	ug/L	100
18) trans-1,2-Dichloroethene	3.723	96	76603	10.136	ug/L	93
19) Methyl acetate	3.731	43	36452	8.676	ug/L	96
20) Methyl tert-butyl ether	3.815	73	200761	8.639	ug/L #	90
23) 1,1-Dichloroethane	4.308	63	147396	10.767	ug/L	98
28) cis-1,2-Dichloroethene	4.833	96	87115	10.024	ug/L	95
30) Bromochloromethane	5.030	128	40379	9.497	ug/L #	78
31) Cyclohexane	5.023	56	138678	10.679	ug/L	79
32) Chloroform	5.098	83	144014	10.276	ug/L	96
34) Carbon tetrachloride	5.228	117	115055	10.130	ug/L	98
37) 1,1,1-Trichloroethane	5.296	97	130714	10.114	ug/L	96
39) 2-Butanone	5.395	43	28442	10.736	ug/L #	81
41) Benzene	5.661	78	322524	10.307	ug/L	95
44) 1,2-Dichloroethane	5.873	62	110013	11.032	ug/L	96

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47) Methyl cyclohexane	6.246	83	119210	9.804	ug/L		85
48) Trichloroethene	6.261	95	85610	9.702	ug/L		99
51) 1,2-Dichloropropane	6.808	63	80744	10.576	ug/L		98
54) Bromodichloromethane	6.884	83	111736	10.026	ug/L		99
57) 1,4-Dioxane	7.091	88	29035	373.867	ug/L	#	84
58) cis-1,3-Dichloropropene	7.571	75	120414	9.661	ug/L	#	91
61) Toluene	7.836	92	200437	10.097	ug/L		97
62) 4-Methyl-2-pentanone	8.273	58	20289	9.270	ug/L		83
63) Tetrachloroethene	8.280	166	89632	10.286	ug/L		98
65) trans-1,3-Dichloropropene	8.323	75	106838	9.830	ug/L		91
68) 1,1,2-Trichloroethane	8.510	83	54749	10.051	ug/L		100
69) Chlorodibromomethane	8.725	129	85024	9.872	ug/L		99
71) 1,2-Dibromoethane	8.997	107	65472	9.475	ug/L		97
72) 2-Hexanone	9.283	43	36364	8.959	ug/L		89
73) Chlorobenzene	9.645	112	229813	10.388	ug/L		100
74) Ethylbenzene	9.678	91	382498	10.092	ug/L		99
76) p/m Xylene	9.867	106	303228	20.234	ug/L		99
77) o Xylene	10.402	106	287853	19.829	ug/L		97
78) Styrene	10.468	104	497259	20.213	ug/L		99
80) Bromoform	10.501	173	52896	8.775	ug/L		100
82) Isopropylbenzene	10.780	105	363321	9.544	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.356	83	84449	9.982	ug/L		98
100) 1,3-Dichlorobenzene	12.236	146	202161	10.455	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	206544	10.371	ug/L		100
104) 1,2-Dichlorobenzene	12.747	146	188165	10.202	ug/L		99
106) 1,2-Dibromo-3-chloropr...	13.528	155	12644	8.058	ug/L		95
109) 1,2,4-Trichlorobenzene	14.153	180	97200	9.246	ug/L		98
111) 1,2,3-Trichlorobenzene	14.614	180	76979	8.806	ug/L		99

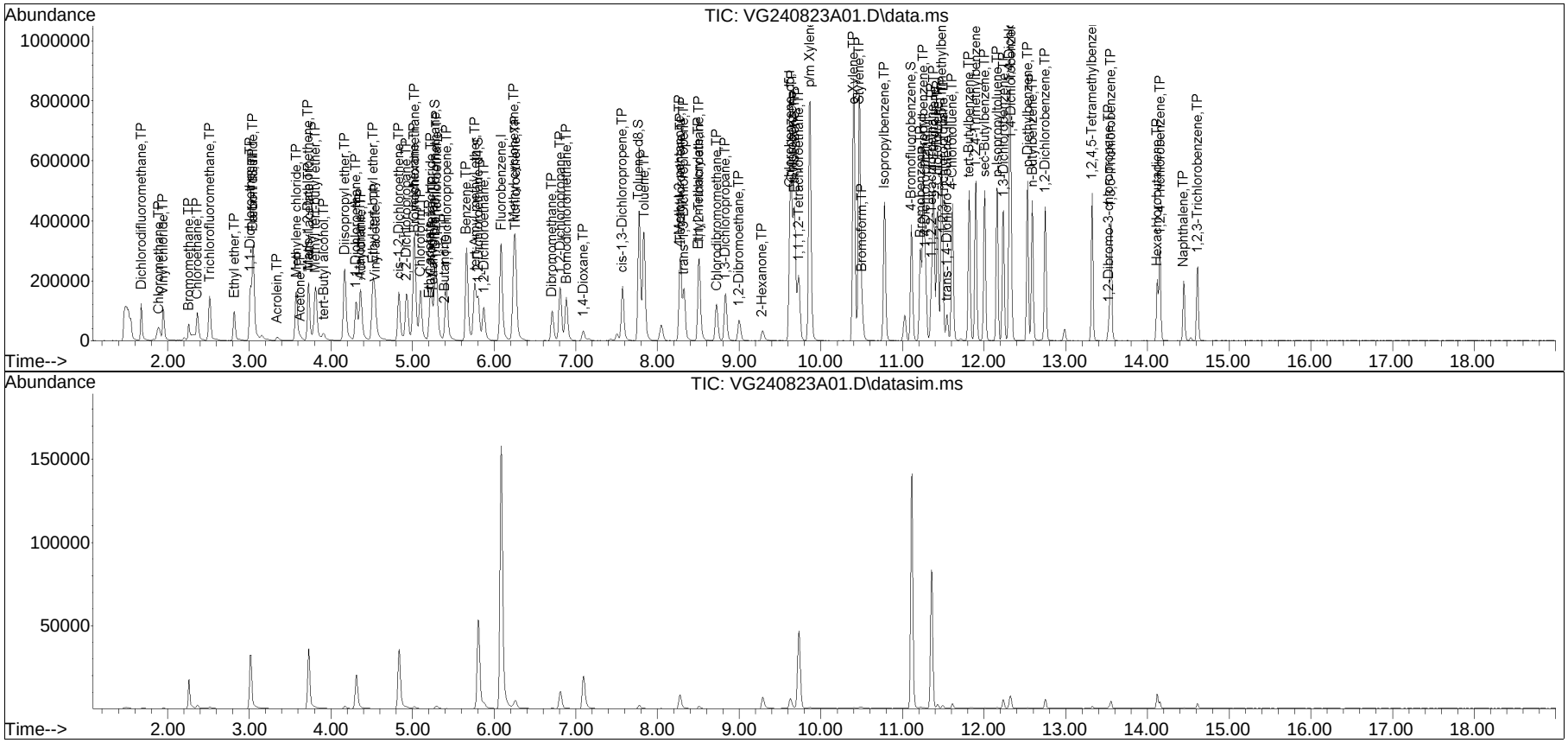
(#) = qualifier out of range (m) = manual integration (+) = signals summed

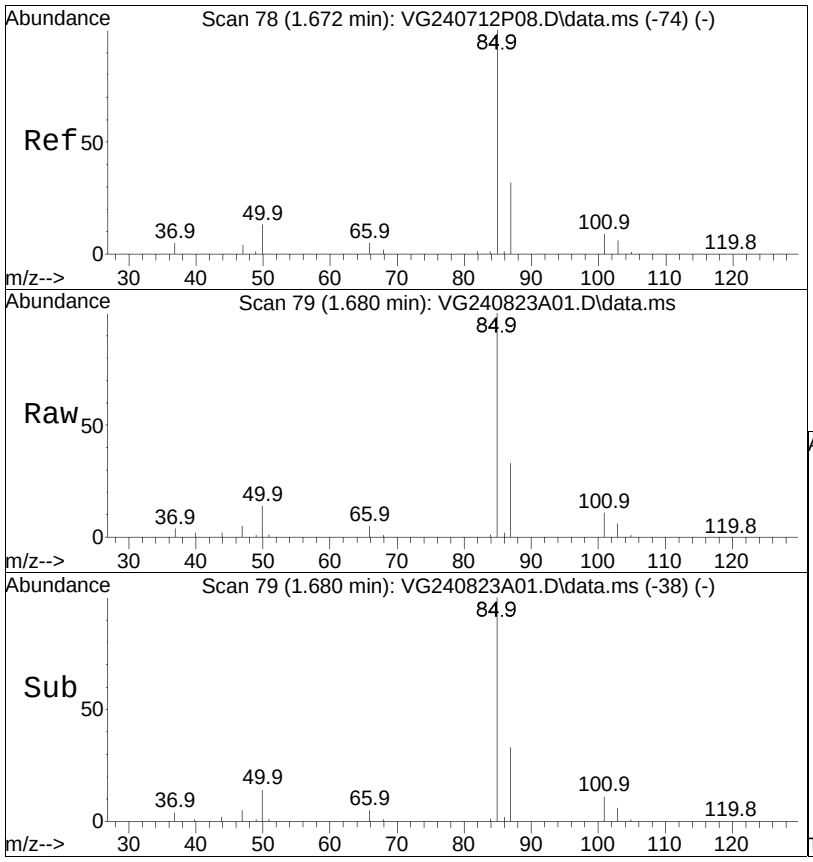
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A01.D
Acq On : 23 Aug 2024 7:49 am
Operator : GONZO:PID
Sample : WG1963895-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 08:27:52 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

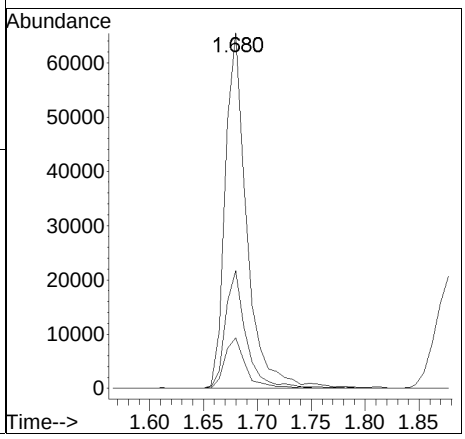


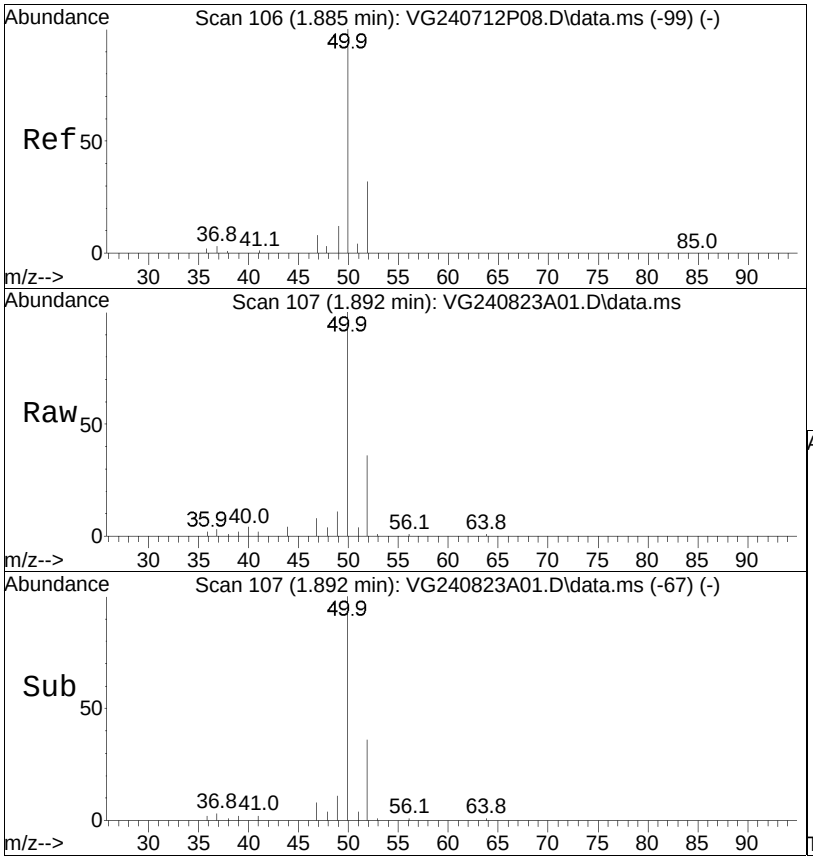


#2
Dichlorodifluoromethane
Concen: 9.47 ug/L
RT: 1.680 min Scan# 79
Delta R.T. 0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 85 Resp: 91841

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.7	42.9
50	14.0	7.5	15.5

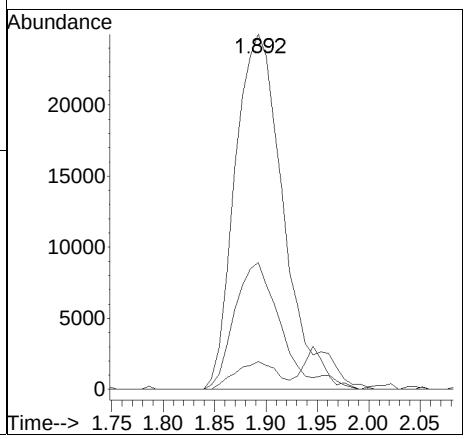


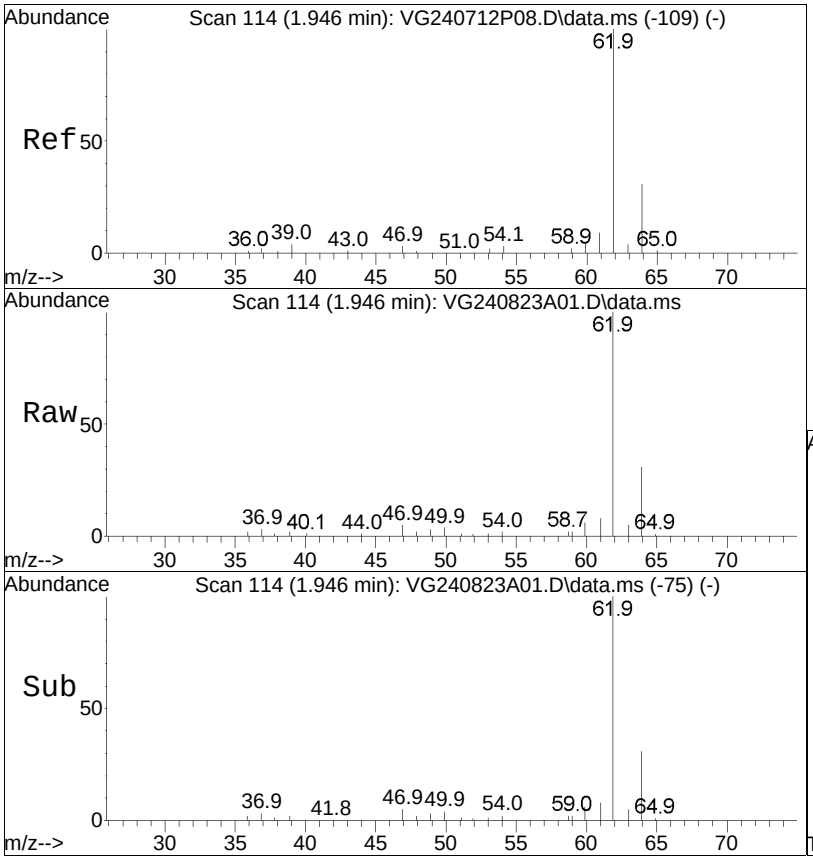


#3
Chloromethane
Concen: 9.97 ug/L
RT: 1.892 min Scan# 107
Delta R.T. 0.007 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 50 Resp: 82733

Ion	Ratio	Lower	Upper
50	100		
52	34.1	11.7	51.7
47	6.7	0.0	28.0

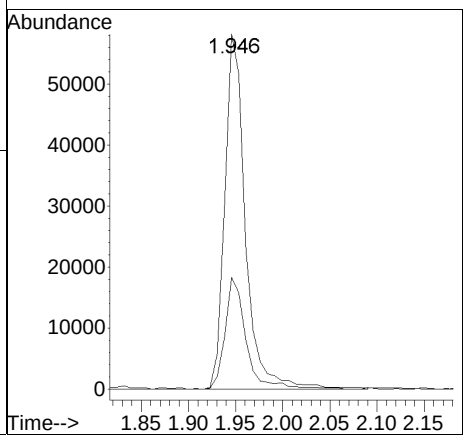


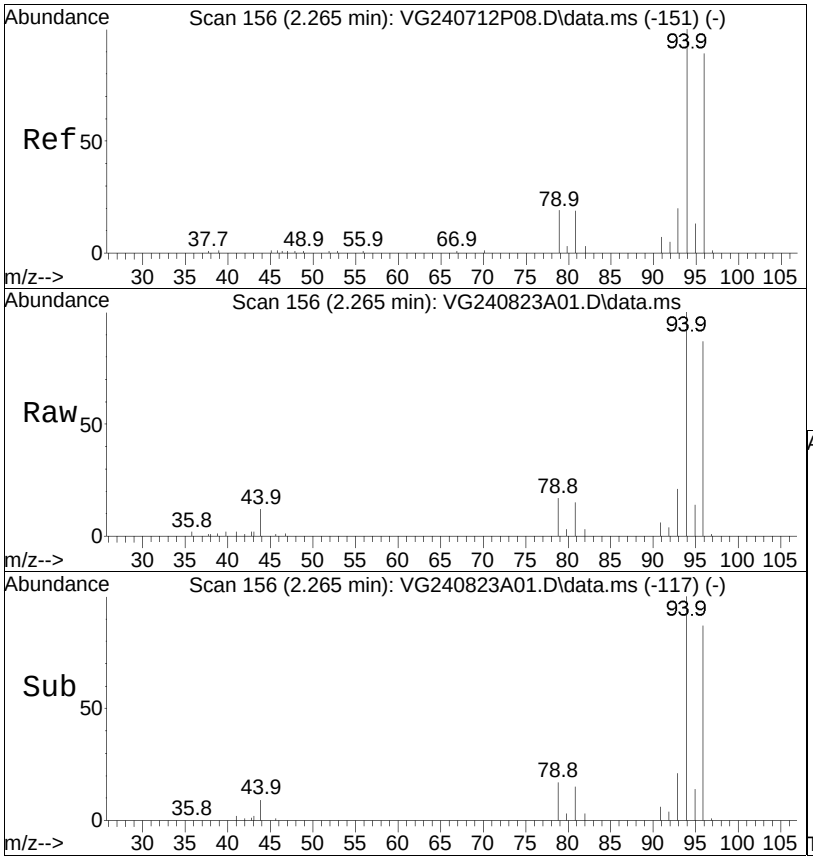


#4
Vinyl chloride
Concen: 10.41 ug/L
RT: 1.946 min Scan# 114
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 62 Resp: 89424

Ion	Ratio	Lower	Upper
62	100		
64	32.2	11.3	51.3

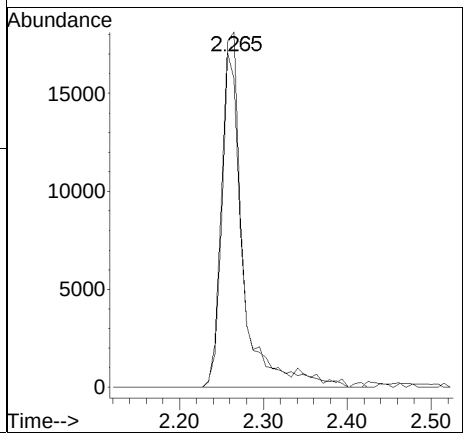


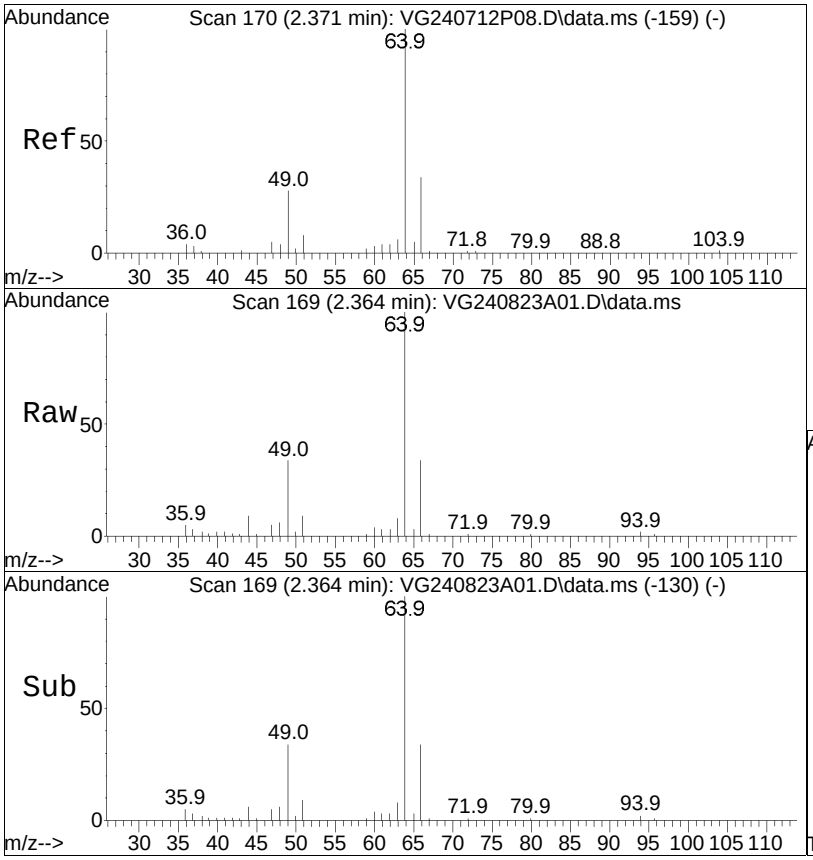


#5
Bromomethane
Concen: 7.24 ug/L
RT: 2.265 min Scan# 156
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 94 Resp: 32918

Ion	Ratio	Lower	Upper
94	100		
96	86.7	75.2	115.2

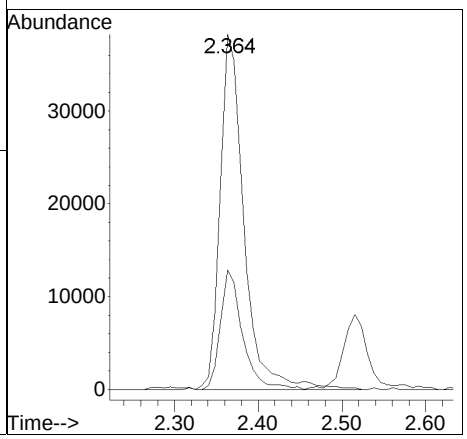


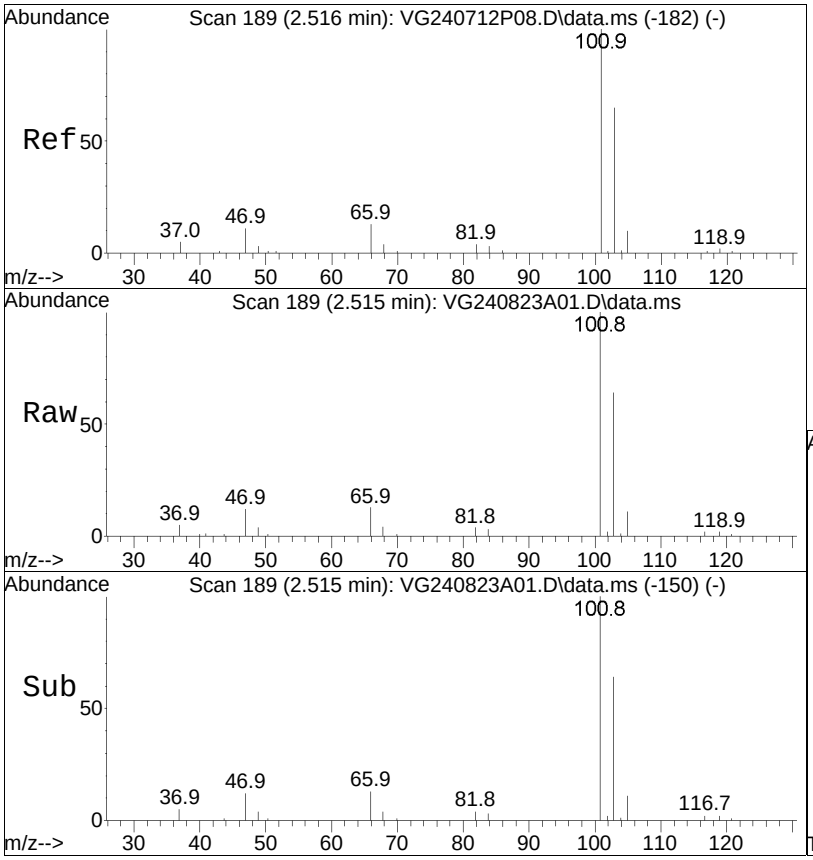


#6
Chloroethane
Concen: 11.54 ug/L
RT: 2.364 min Scan# 169
Delta R.T. -0.007 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 64 Resp: 75831

Ion	Ratio	Lower	Upper
64	100		
66	31.2	13.7	53.7

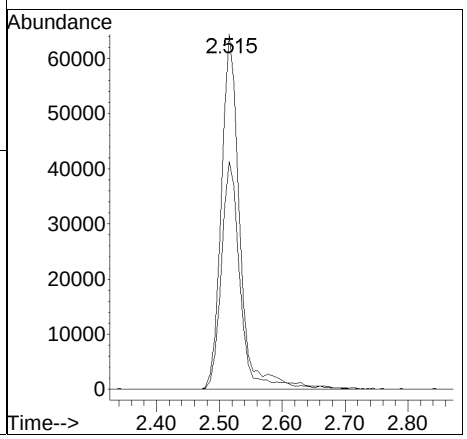


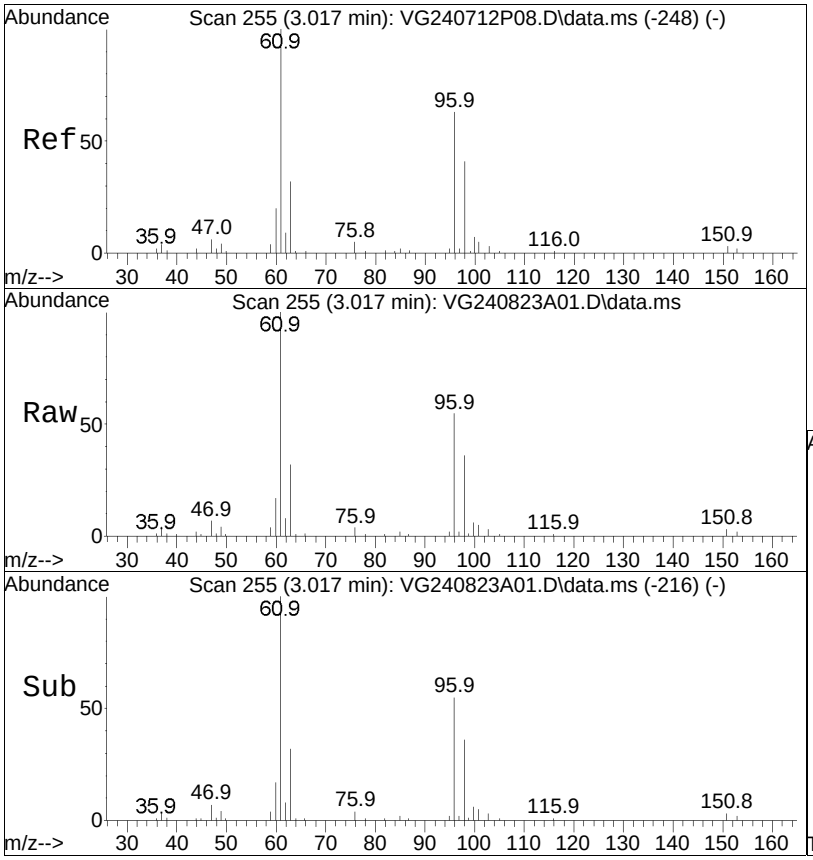


#7
Trichlorofluoromethane
Concen: 10.57 ug/L
RT: 2.515 min Scan# 189
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:101 Resp: 133192

Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.2	78.2

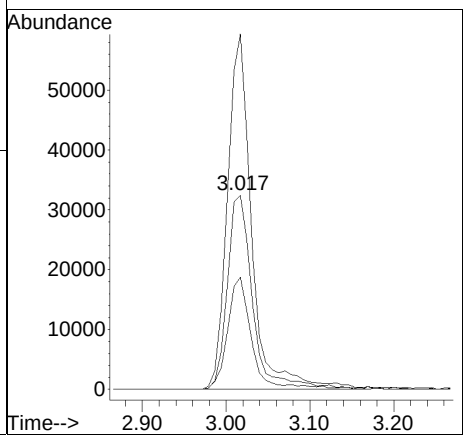


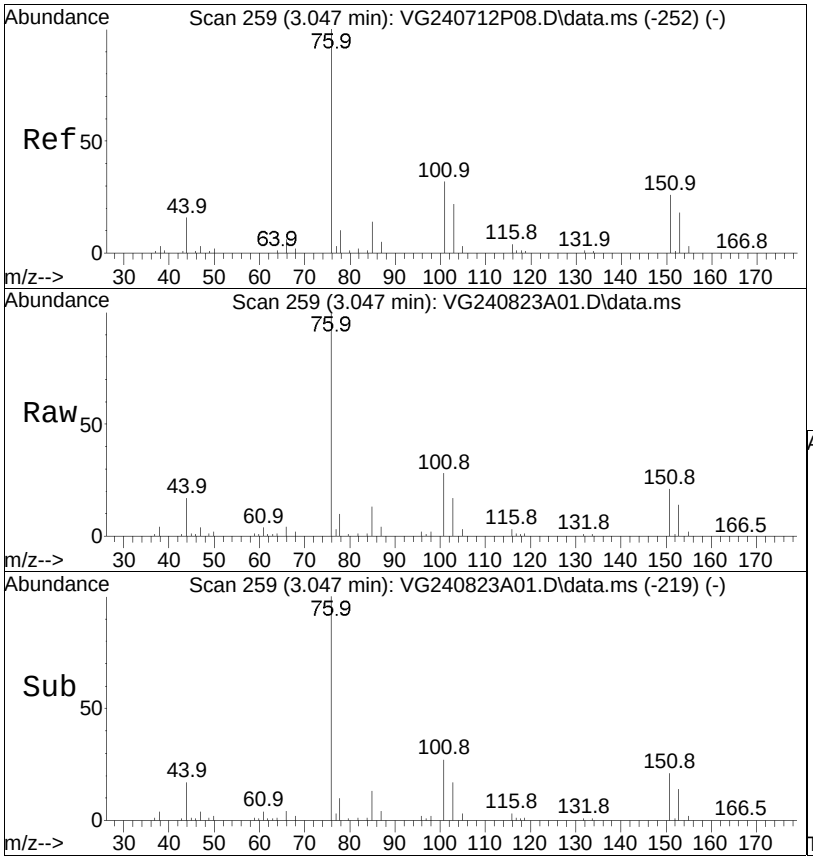


#10
1,1-Dichloroethene
Concen: 9.96 ug/L
RT: 3.017 min Scan# 255
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 96 Resp: 68843

Ion	Ratio	Lower	Upper
96	100		
61	174.5	124.2	186.4
63	54.2	40.0	60.0

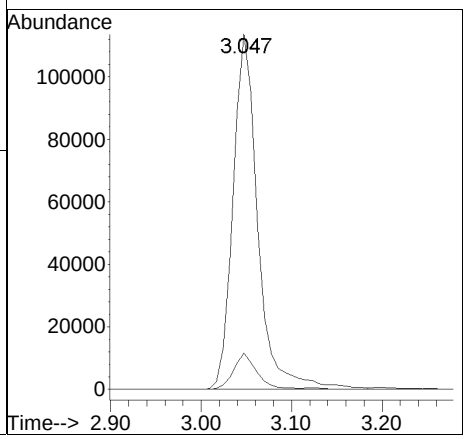


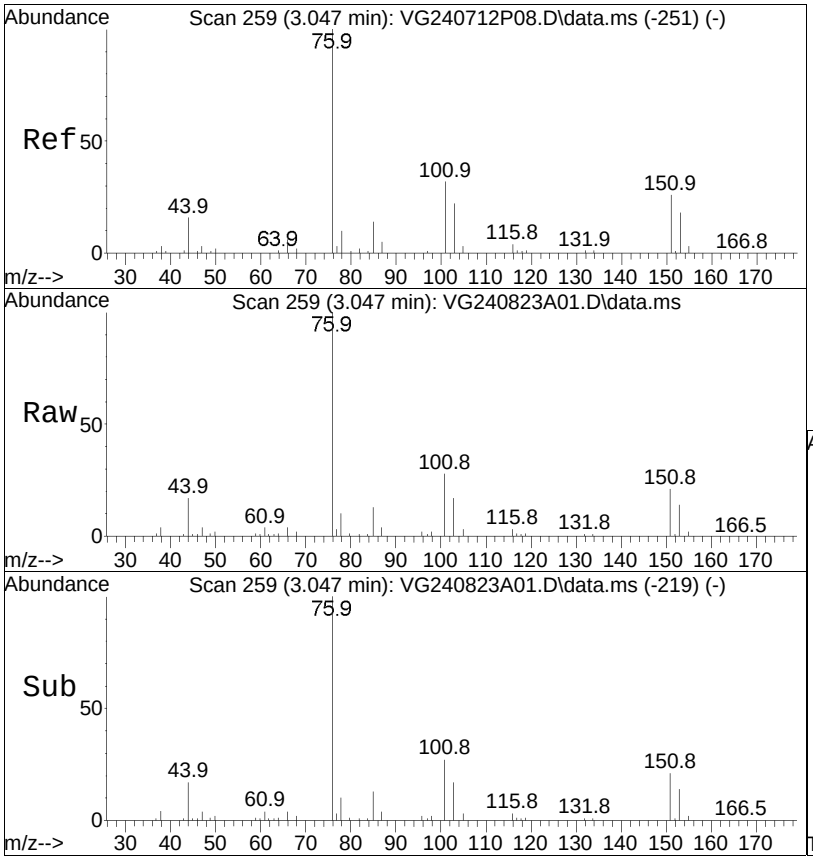


#11
Carbon disulfide
Concen: 10.72 ug/L
RT: 3.047 min Scan# 259
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 76 Resp: 217773

Ion	Ratio	Lower	Upper
76	100		
78	9.6	6.6	13.6

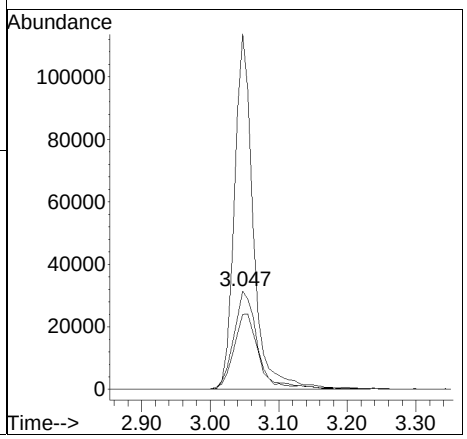


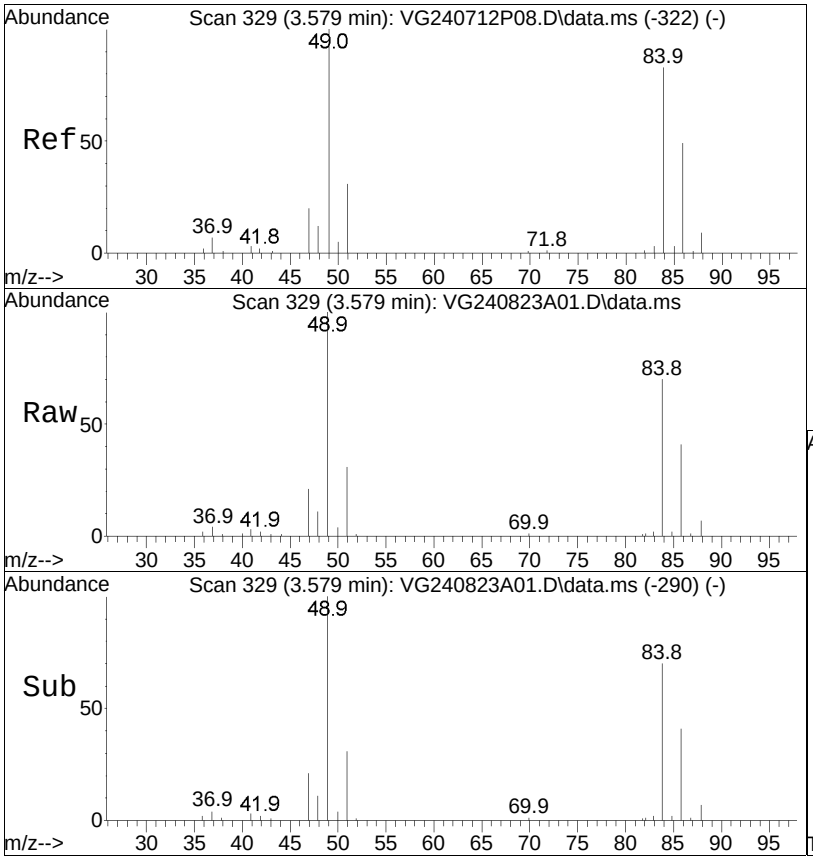


#12
Freon-113
Concen: 10.30 ug/L
RT: 3.047 min Scan# 259
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:101 Resp: 78109

Ion	Ratio	Lower	Upper
101	100		
151	78.9	68.2	102.2
76	278.8	186.0	279.0

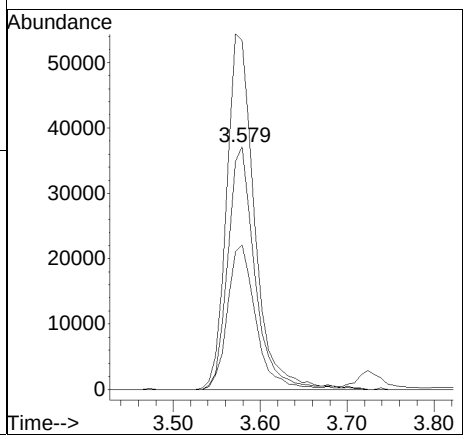


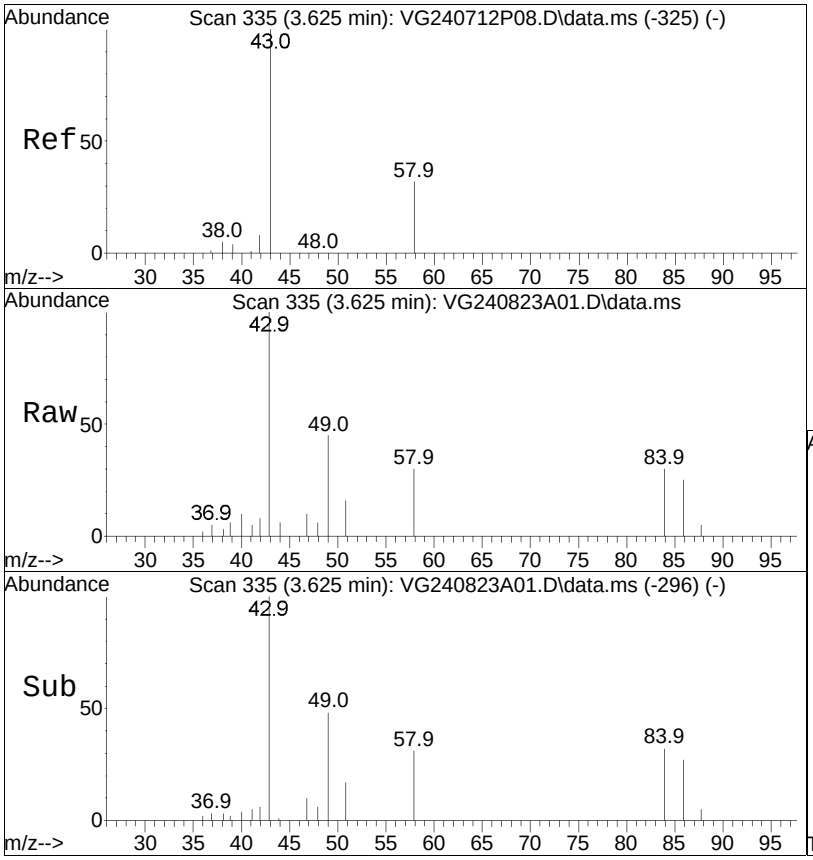


#15
Methylene chloride
Concen: 9.91 ug/L
RT: 3.579 min Scan# 329
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 84 Resp: 80930

Ion	Ratio	Lower	Upper
84	100		
86	62.2	41.1	85.5
49	149.7	76.2	158.2

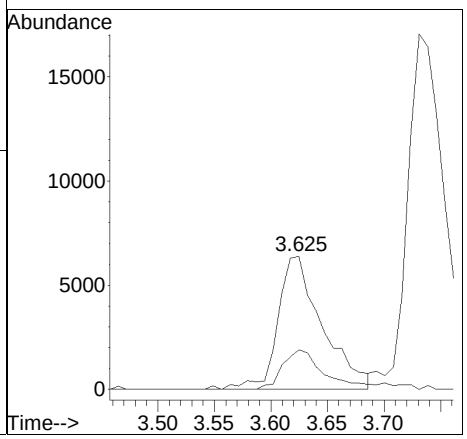


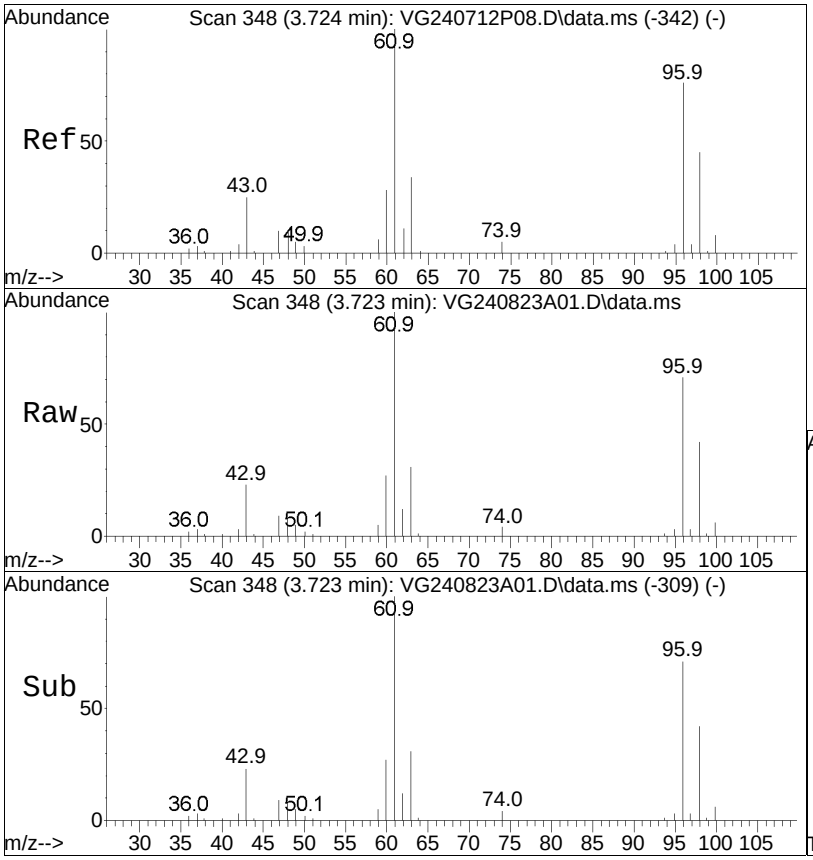


#17
Acetone
Concen: 9.07 ug/L
RT: 3.625 min Scan# 335
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 43 Resp: 17563

Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.2	33.4

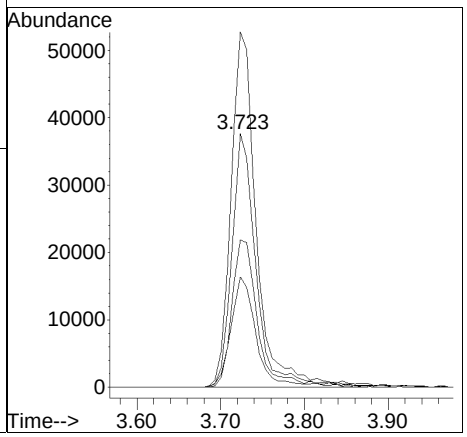


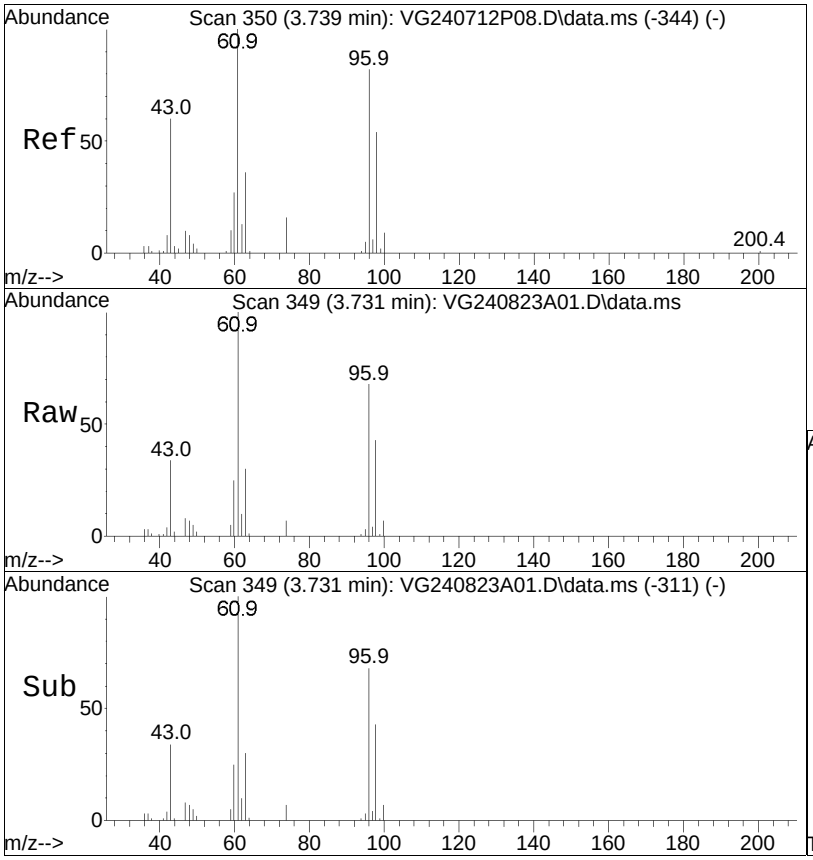


#18
trans-1,2-Dichloroethene
Concen: 10.14 ug/L
RT: 3.723 min Scan# 348
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 96 Resp: 76603

Ion	Ratio	Lower	Upper
96	100		
61	144.4	85.7	178.1
98	63.0	40.2	83.4
63	45.4	28.0	58.2

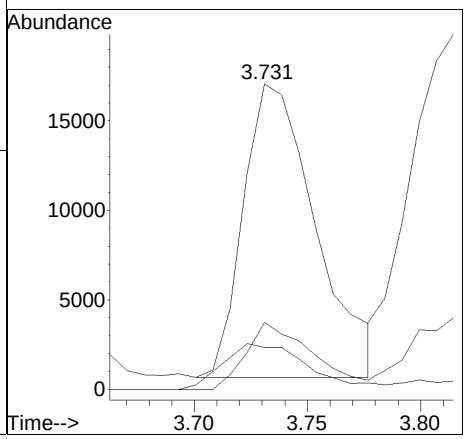


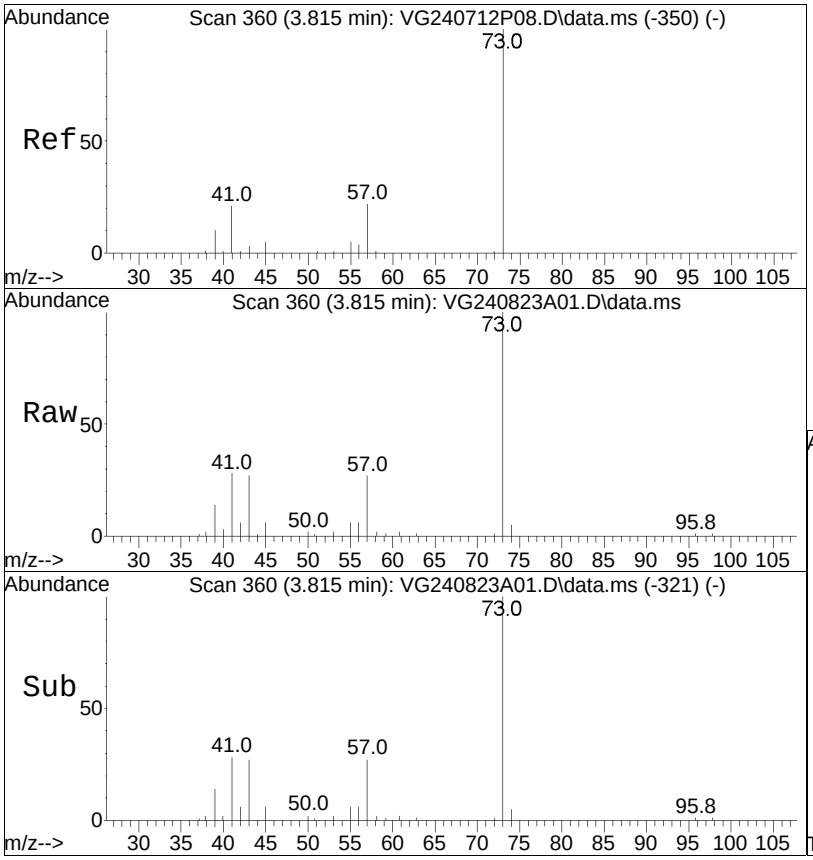


#19
Methyl acetate
Concen: 8.68 ug/L
RT: 3.731 min Scan# 349
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 43 Resp: 36452

Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.3	28.9
59	18.2	13.9	20.9

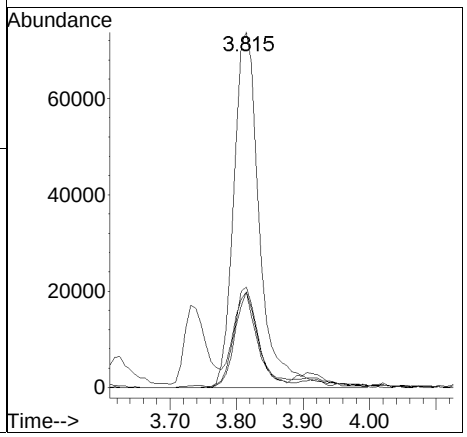


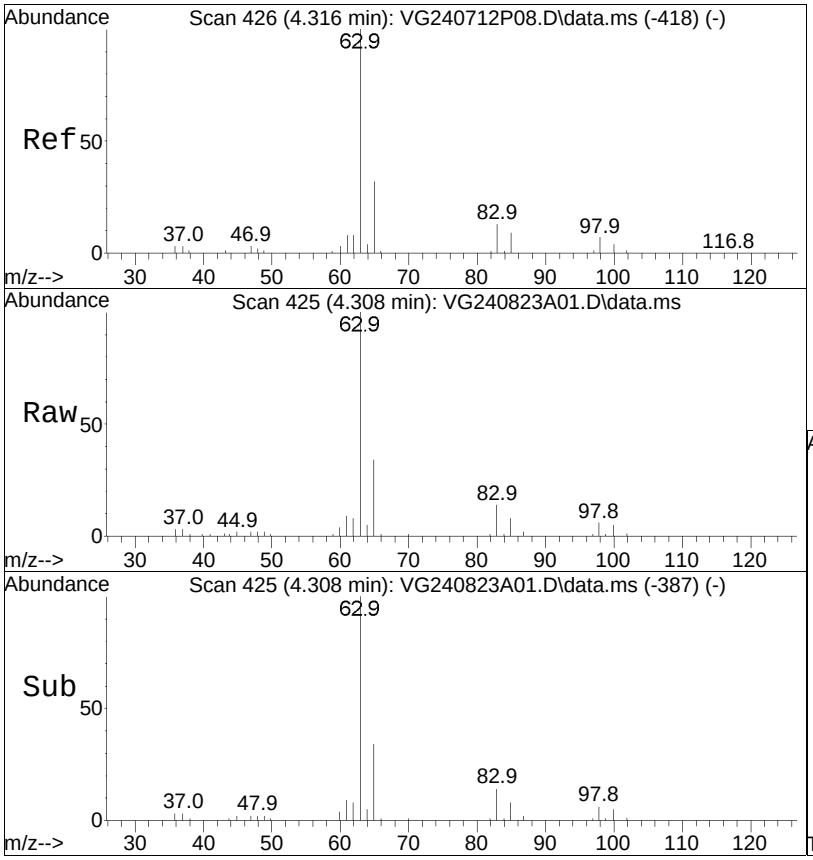


#20
Methyl tert-butyl ether
Concen: 8.64 ug/L
RT: 3.815 min Scan# 360
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 73 Resp: 200761

Ion	Ratio	Lower	Upper
73	100		
57	23.5	12.5	26.1
43	22.2	13.0	27.0
41	26.4	12.5	26.1#

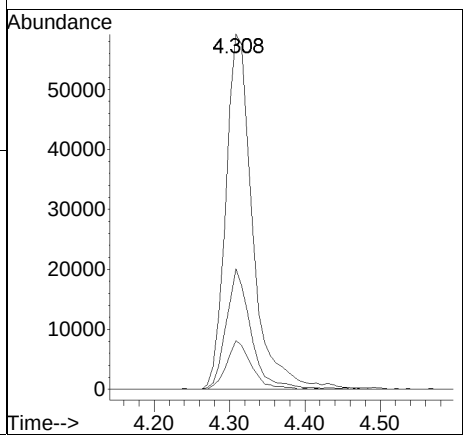


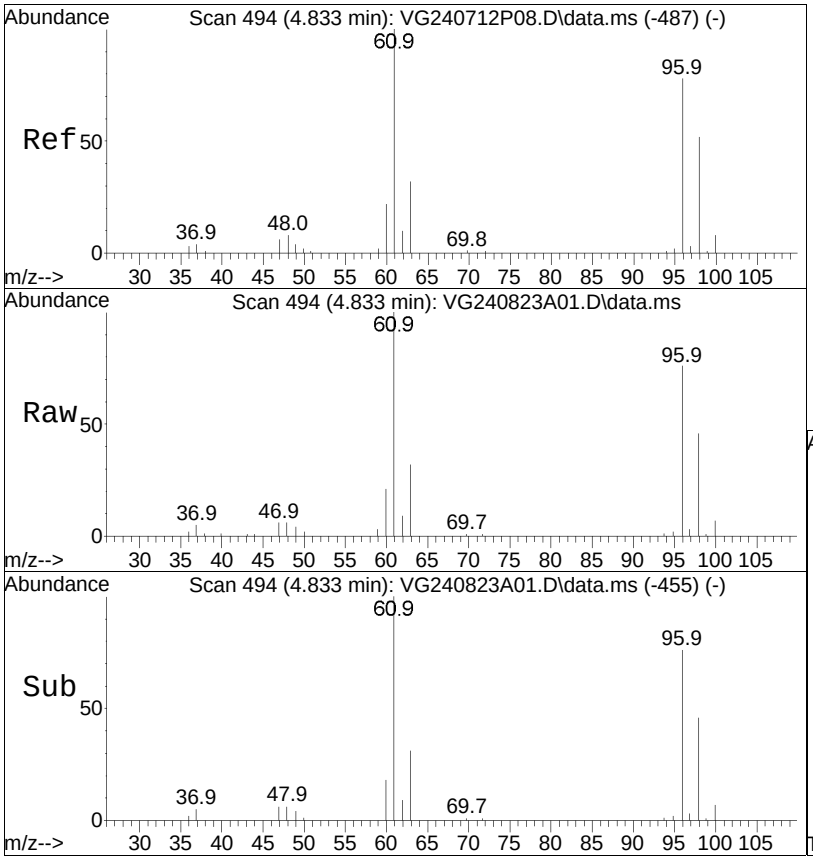


#23
1,1-Dichloroethane
Concen: 10.77 ug/L
RT: 4.308 min Scan# 425
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 63 Resp: 147396

Ion	Ratio	Lower	Upper
63	100		
65	31.4	10.4	50.4
83	12.8	0.0	33.2

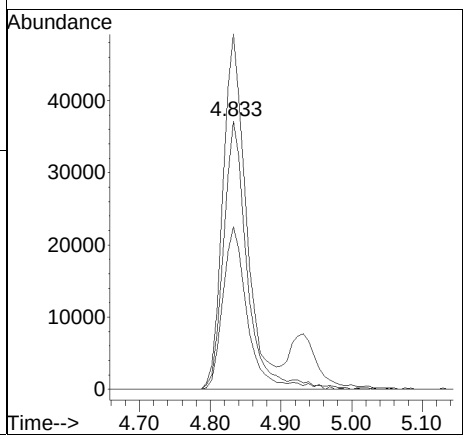


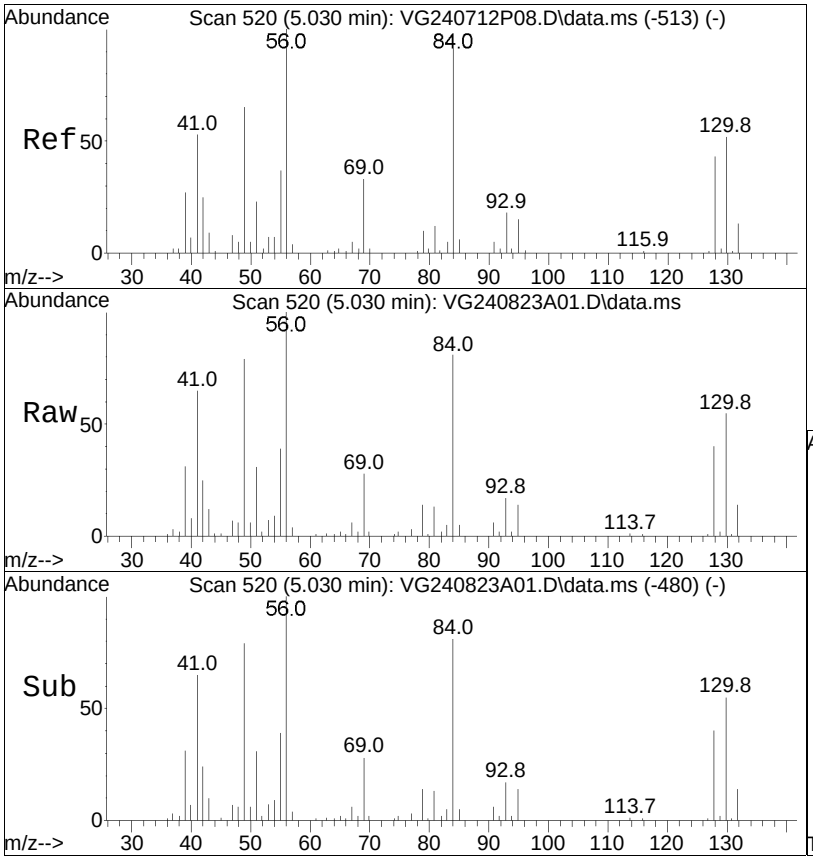


#28
cis-1,2-Dichloroethene
Concen: 10.02 ug/L
RT: 4.833 min Scan# 494
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 96 Resp: 87115

Ion	Ratio	Lower	Upper
96	100		
61	129.2	96.6	144.8
98	63.1	51.3	76.9

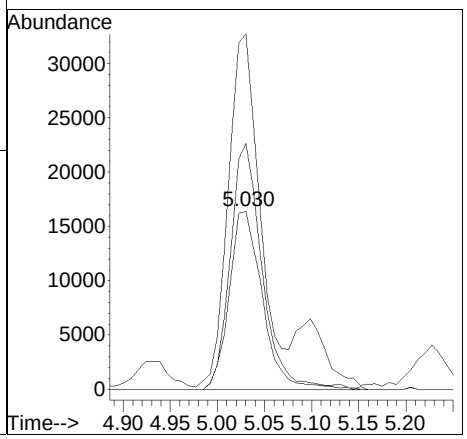


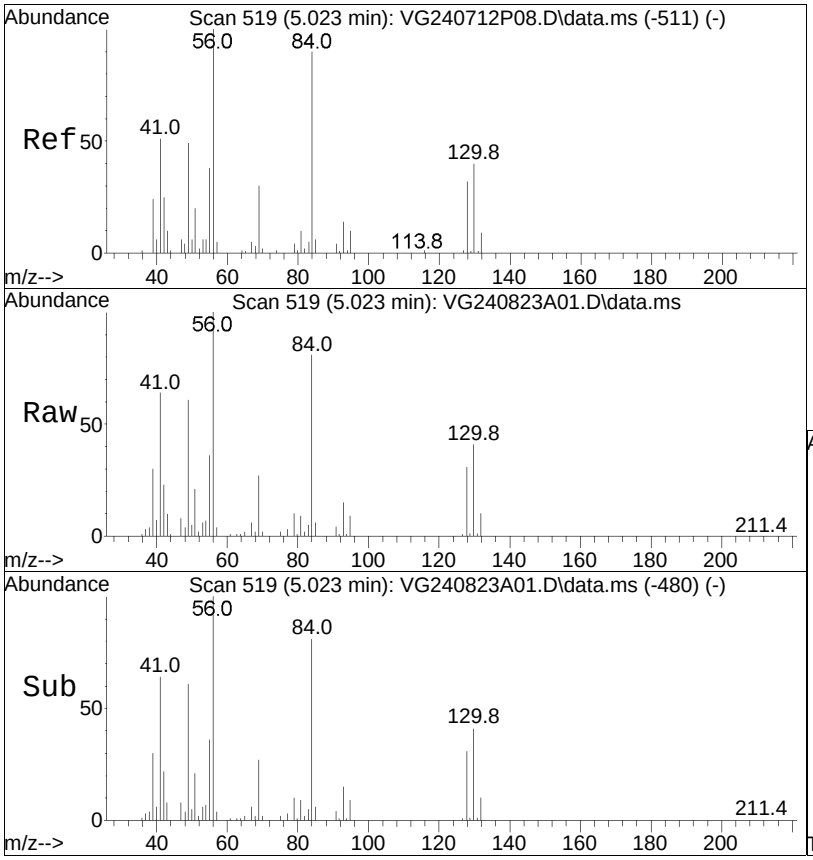


#30
Bromochloromethane
Concen: 9.50 ug/L
RT: 5.030 min Scan# 520
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:128 Resp: 40379

Ion	Ratio	Lower	Upper
128	100		
49	188.7	112.7	169.1#
130	132.0	103.3	154.9

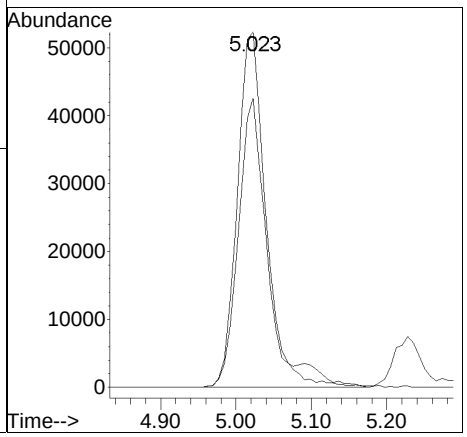


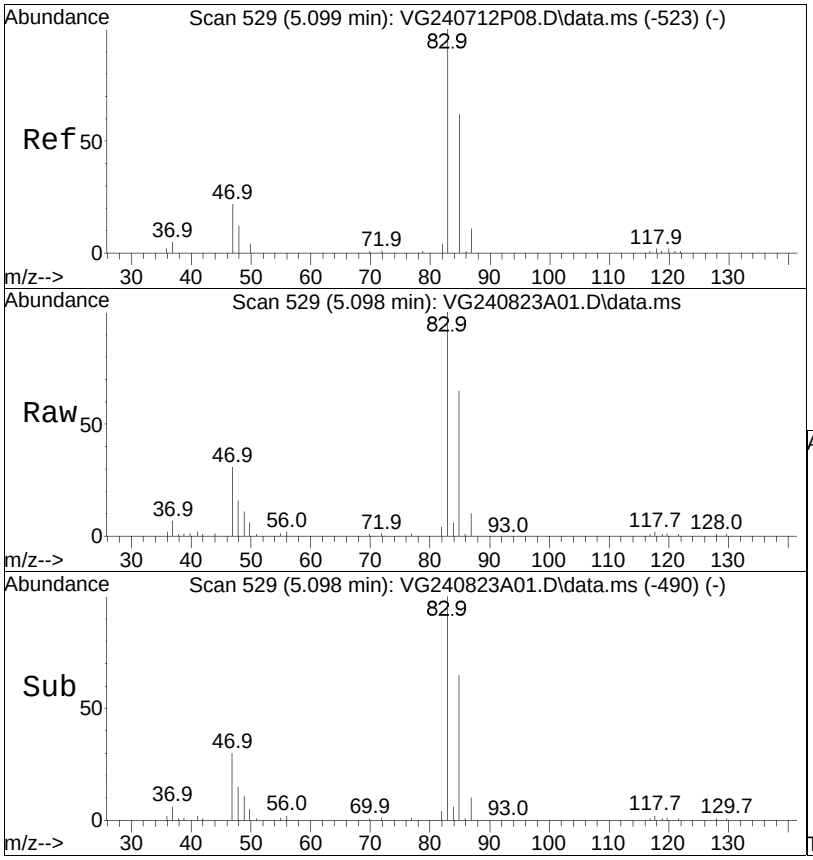


#31
Cyclohexane
Concen: 10.68 ug/L
RT: 5.023 min Scan# 519
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 56 Resp: 138678

Ion	Ratio	Lower	Upper
56	100		
84	77.8	63.8	132.4

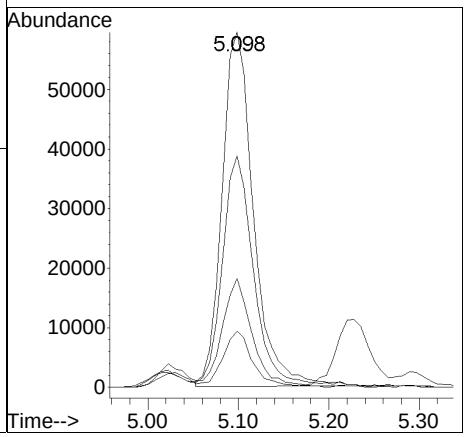


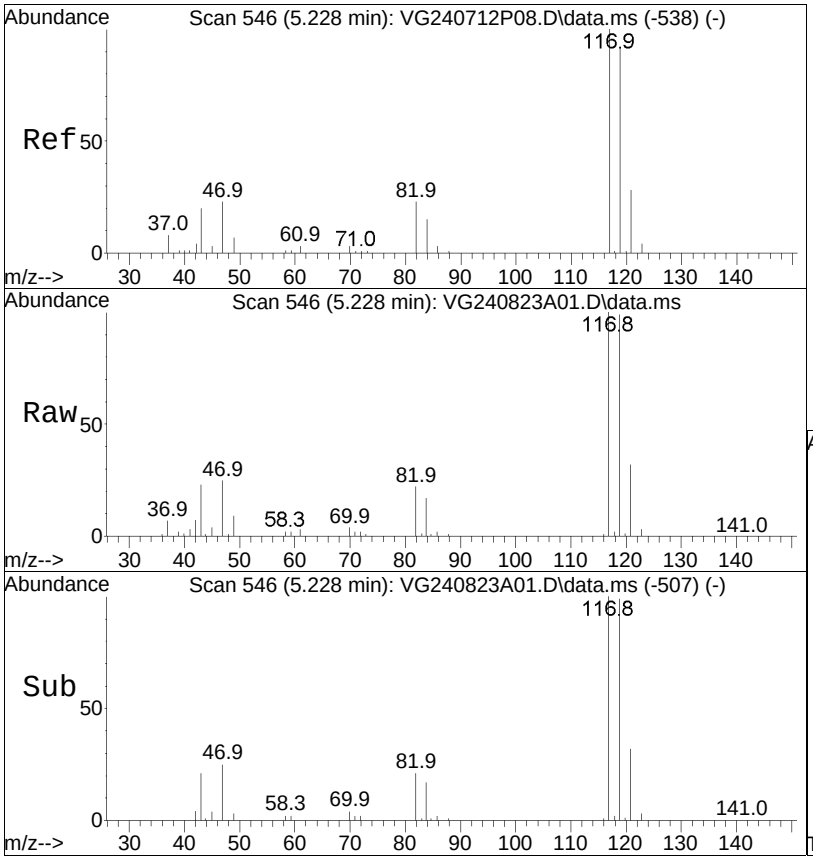


#32
Chloroform
Concen: 10.28 ug/L
RT: 5.098 min Scan# 529
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 83 Resp: 144014

Ion	Ratio	Lower	Upper
83	100		
85	63.2	41.4	86.0
47	28.9	15.1	31.3
48	15.4	7.7	16.1

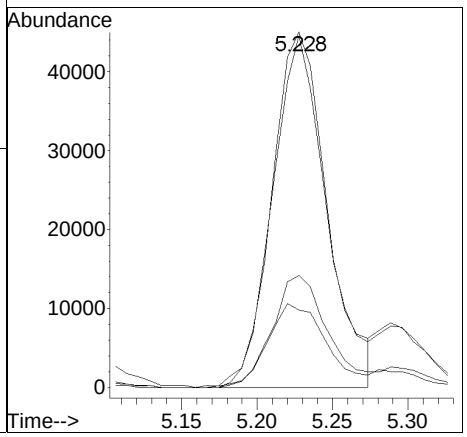


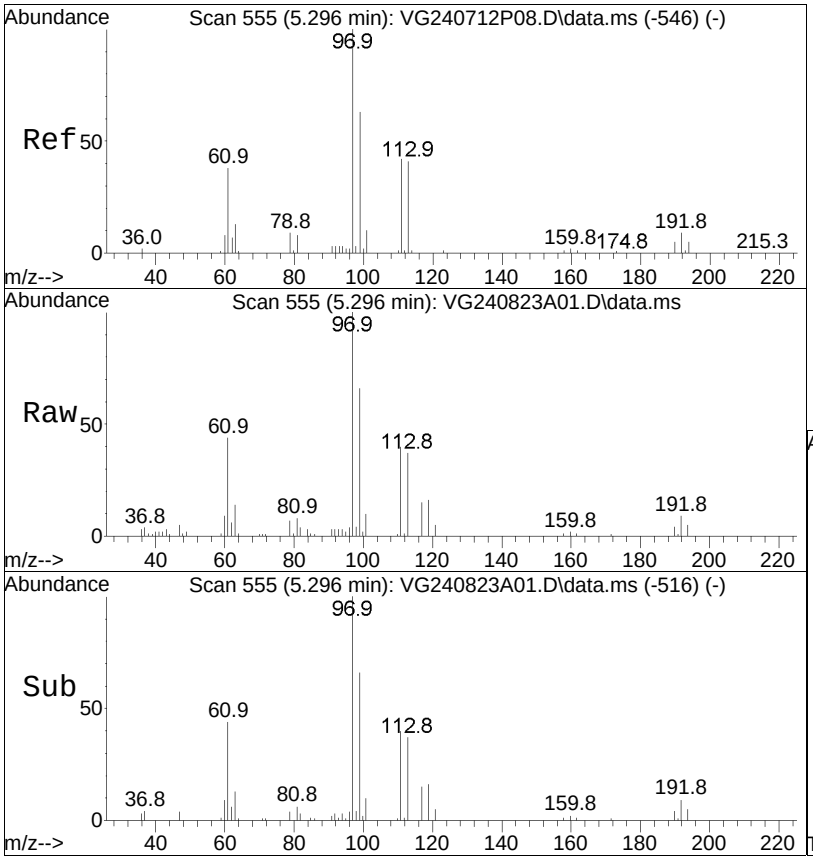


#34
Carbon tetrachloride
Concen: 10.13 ug/L
RT: 5.228 min Scan# 546
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:117 Resp: 115055

Ion	Ratio	Lower	Upper
117	100		
119	96.0	63.2	131.2
121	32.3	20.4	42.4
82	25.2	15.4	32.0

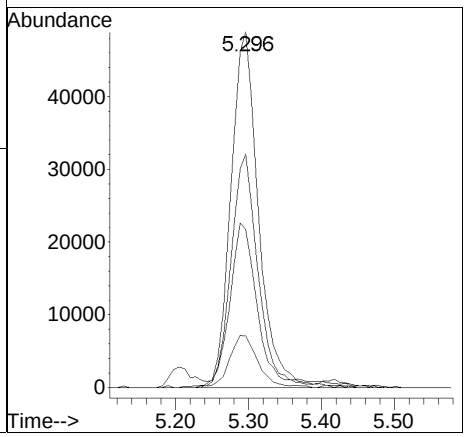


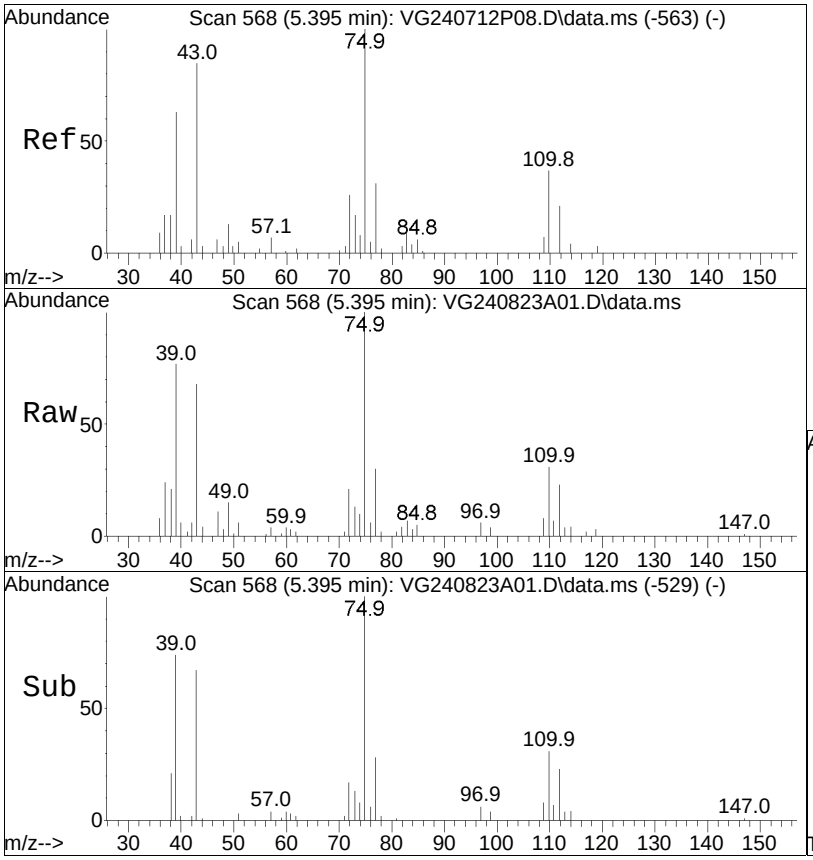


#37
1,1,1-Trichloroethane
Concen: 10.11 ug/L
RT: 5.296 min Scan# 555
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 97 Resp: 130714

Ion	Ratio	Lower	Upper
97	100		
99	63.7	41.3	85.7
61	45.4	26.0	54.0
63	15.0	8.6	18.0

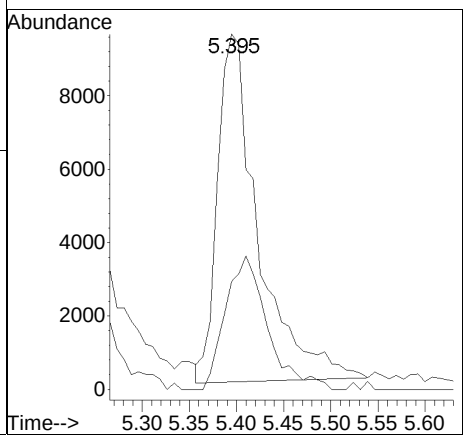


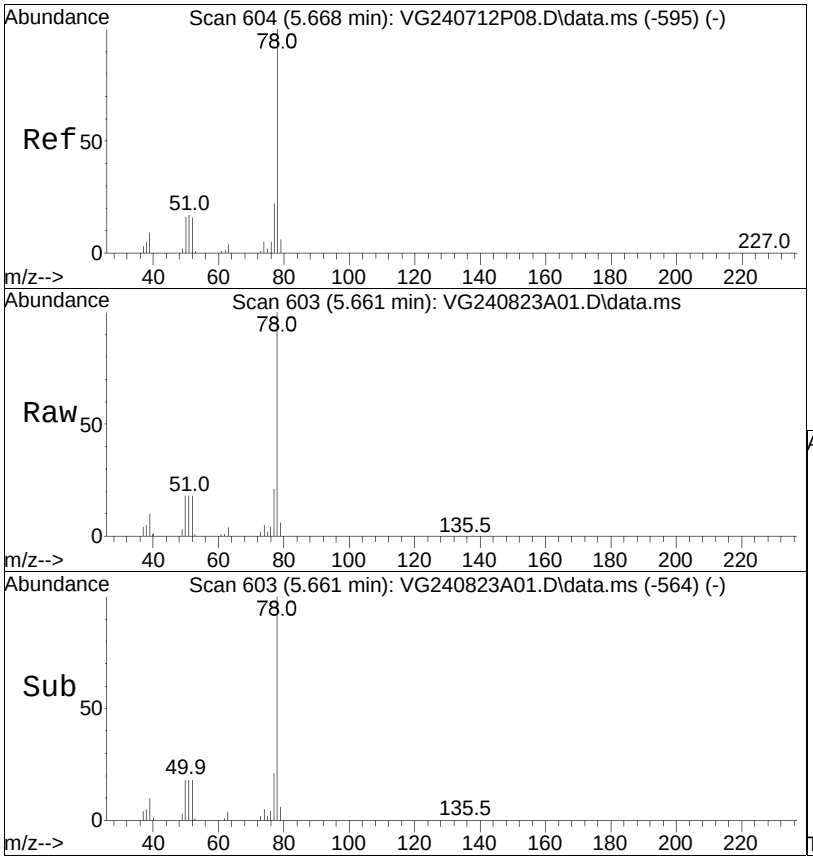


#39
2-Butanone
Concen: 10.74 ug/L
RT: 5.395 min Scan# 568
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 43 Resp: 28442

Ion	Ratio	Lower	Upper
43	100		
72	39.5	42.6	63.8#

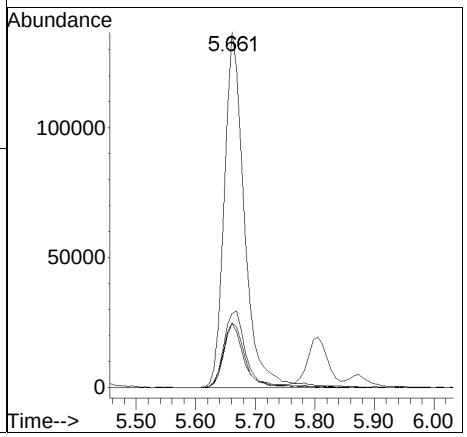


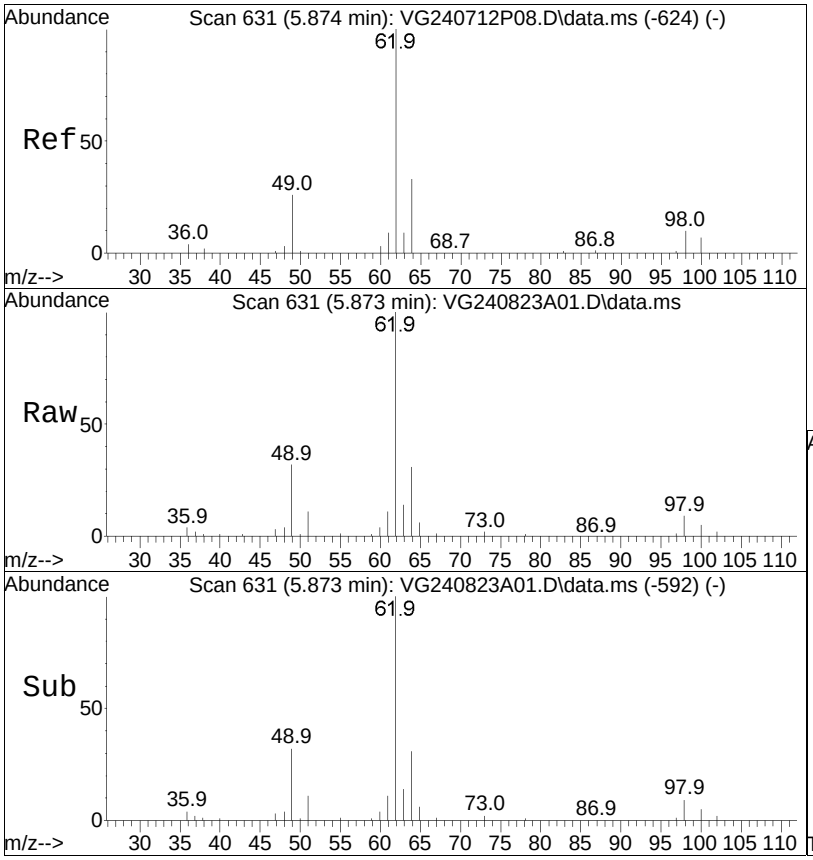


#41
Benzene
Concen: 10.31 ug/L
RT: 5.661 min Scan# 603
Delta R.T. -0.007 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 78 Resp: 322524

Ion	Ratio	Lower	Upper
78	100		
77	23.4	15.5	32.1
51	19.0	9.9	20.7
52	17.7	9.2	19.2

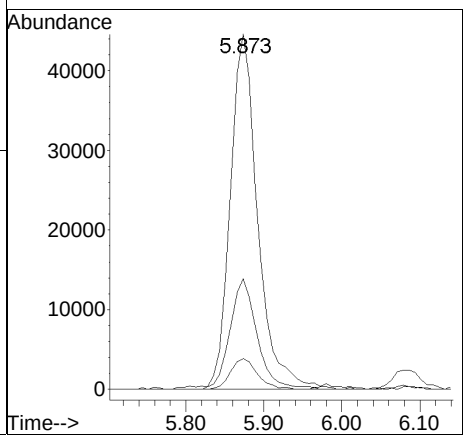


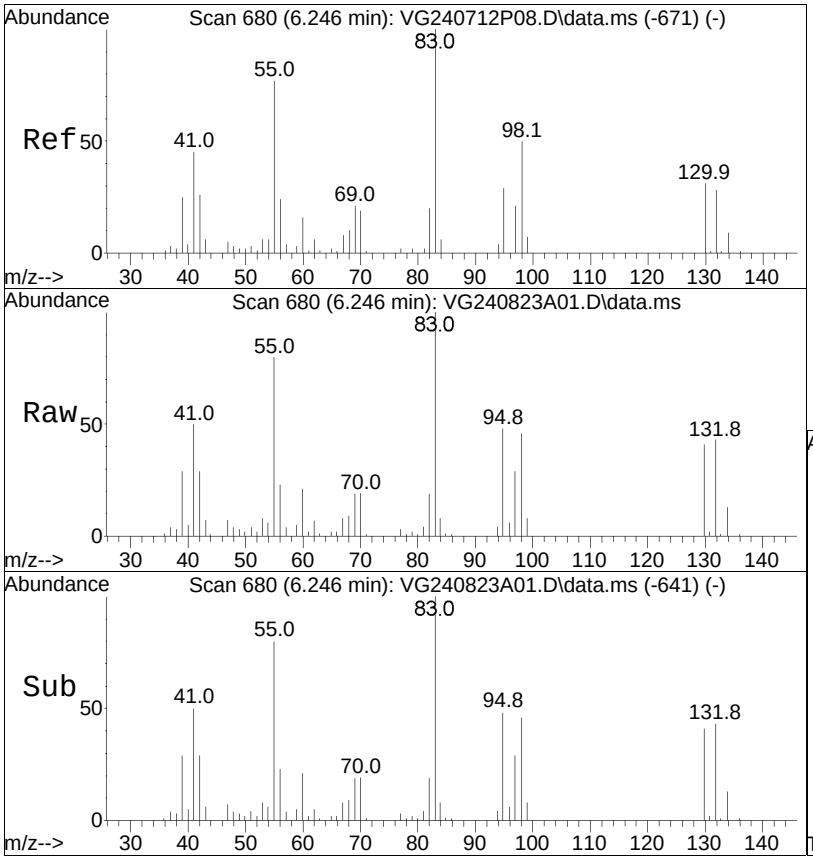


#44
1,2-Dichloroethane
Concen: 11.03 ug/L
RT: 5.873 min Scan# 631
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 62 Resp: 110013

Ion	Ratio	Lower	Upper
62	100		
64	29.4	11.9	51.9
98	8.5	0.0	29.3

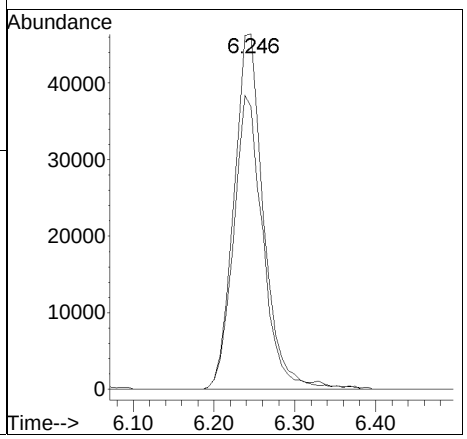


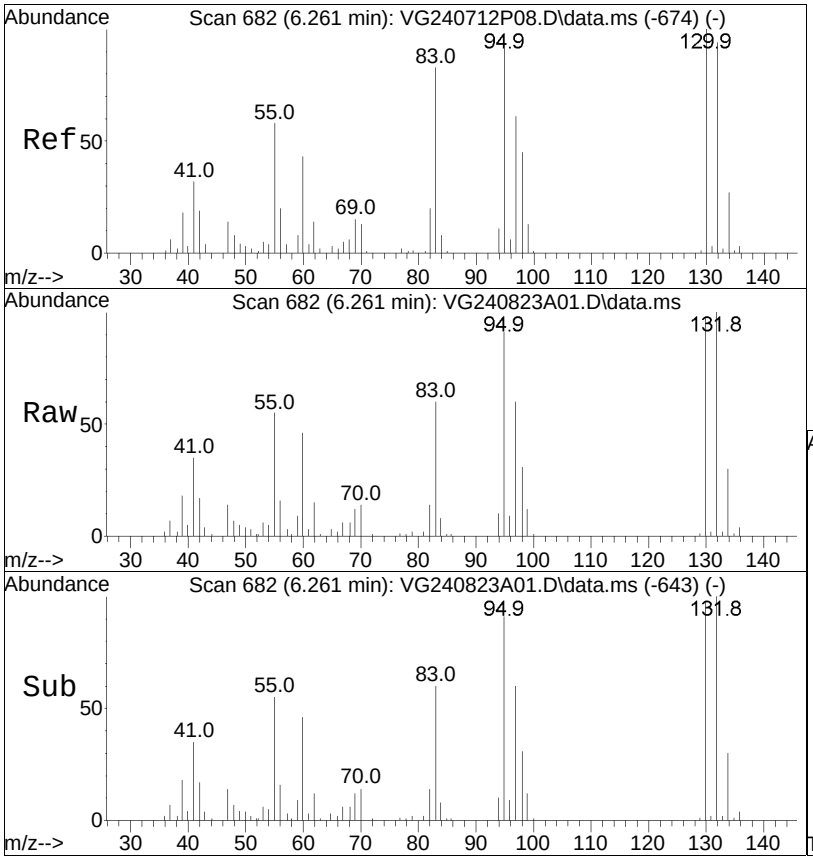


#47
Methyl cyclohexane
Concen: 9.80 ug/L
RT: 6.246 min Scan# 680
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 83 Resp: 119210

Ion	Ratio	Lower	Upper
83	100		
55	82.0	56.0	84.0

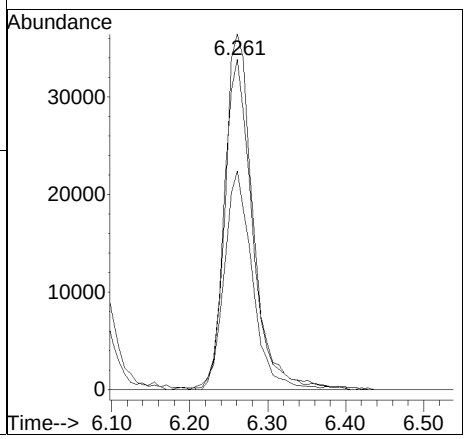


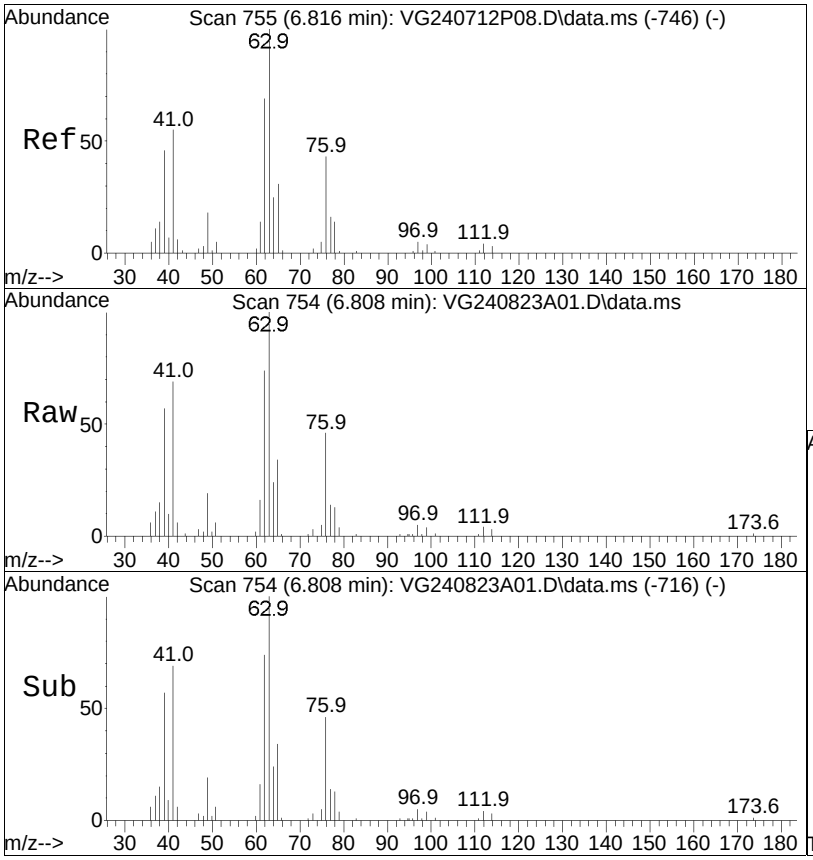


#48
Trichloroethene
Concen: 9.70 ug/L
RT: 6.261 min Scan# 682
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 95 Resp: 85610

Ion	Ratio	Lower	Upper
95	100		
97	66.1	54.0	81.0
130	105.8	85.0	127.4

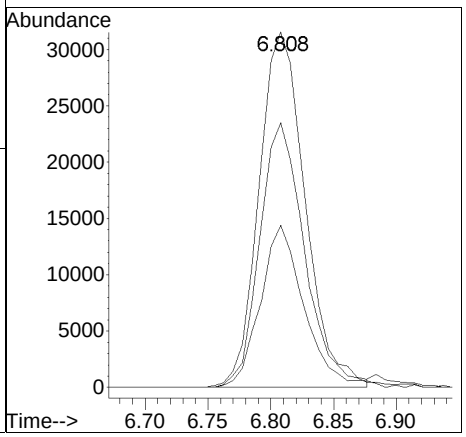


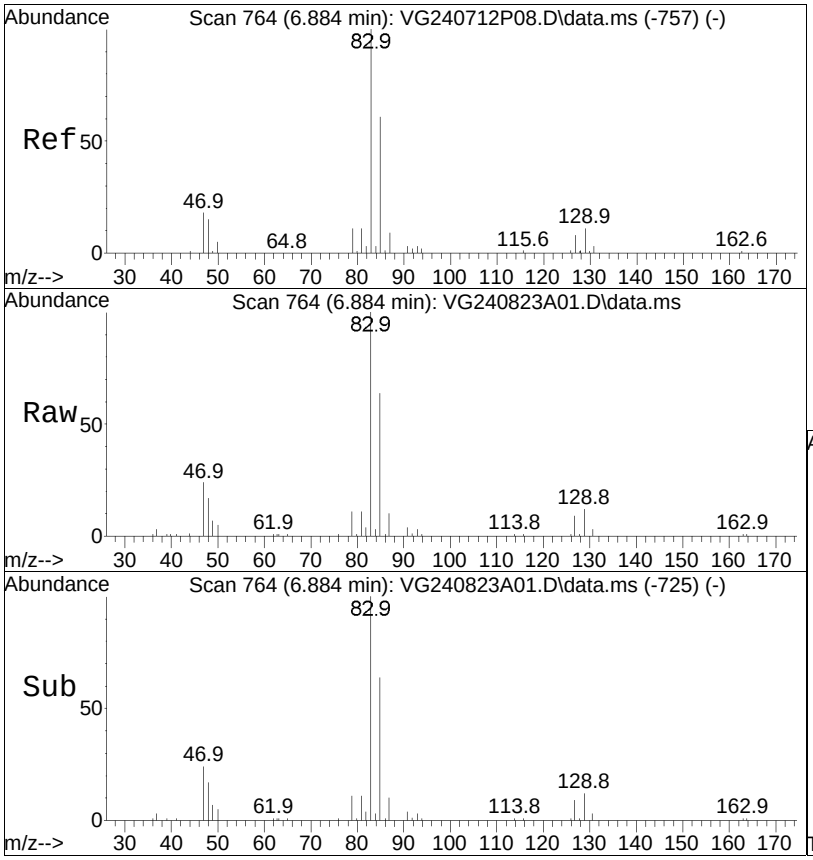


#51
1,2-Dichloropropane
Concen: 10.58 ug/L
RT: 6.808 min Scan# 754
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 63 Resp: 80744

Ion	Ratio	Lower	Upper
63	100		
62	73.1	56.5	84.7
76	43.6	34.6	52.0

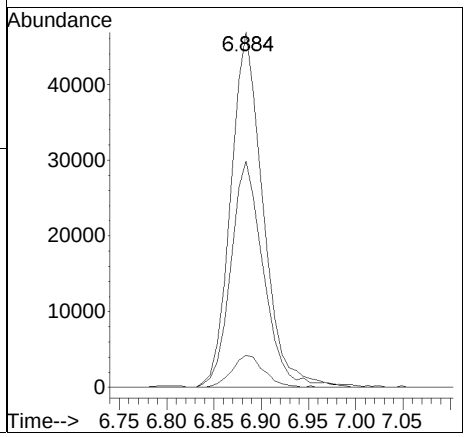


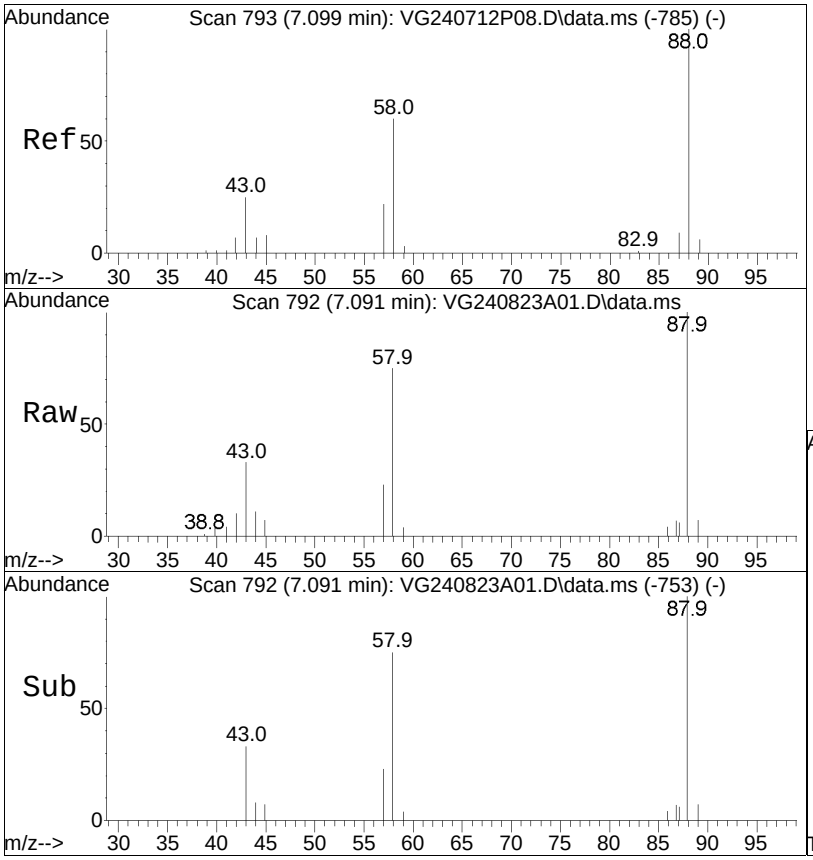


#54
Bromodichloromethane
Concen: 10.03 ug/L
RT: 6.884 min Scan# 764
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 83 Resp: 111736

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.8	76.2
127	9.0	7.4	11.2

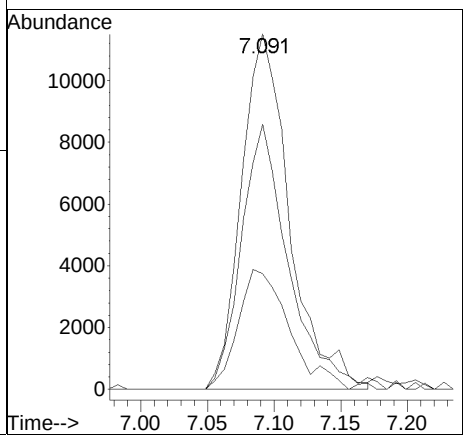


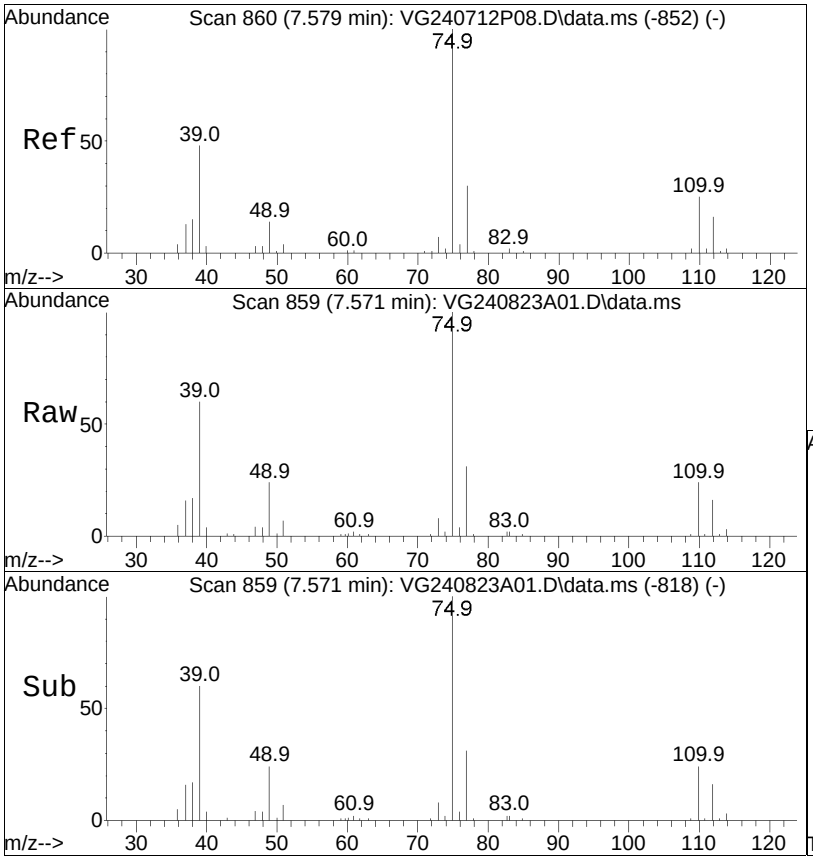


#57
1,4-Dioxane
Concen: 373.87 ug/L
RT: 7.091 min Scan# 792
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 88 Resp: 29035

Ion	Ratio	Lower	Upper
88	100		
58	73.2	48.7	73.1#
43	35.6	22.4	33.6#

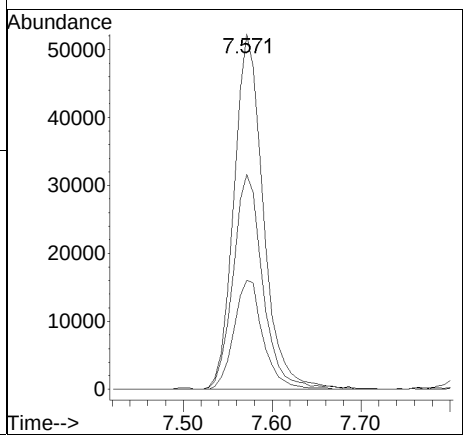


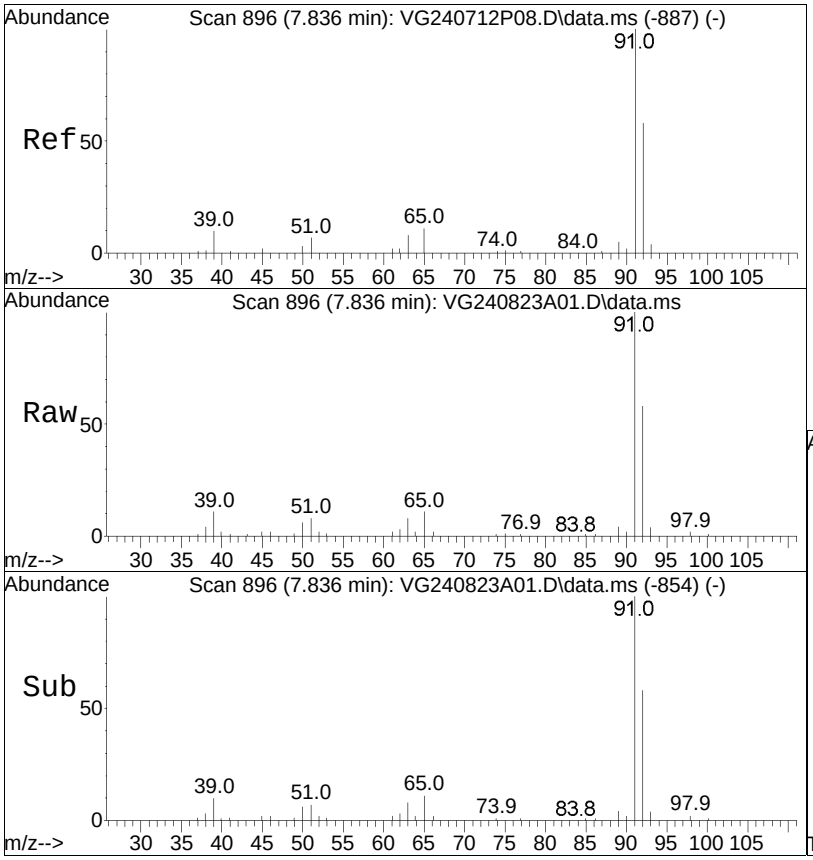


#58
cis-1,3-Dichloropropene
Concen: 9.66 ug/L
RT: 7.571 min Scan# 859
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 75 Resp: 120414

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.6	36.8
39	61.5	40.8	61.2#

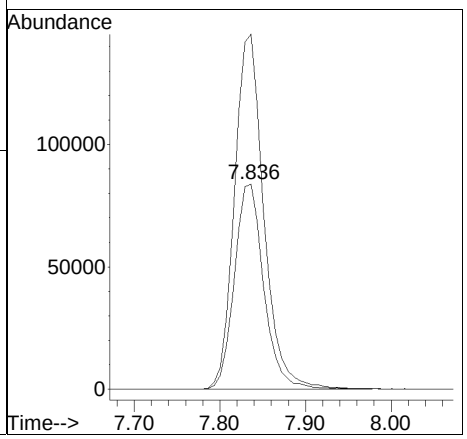


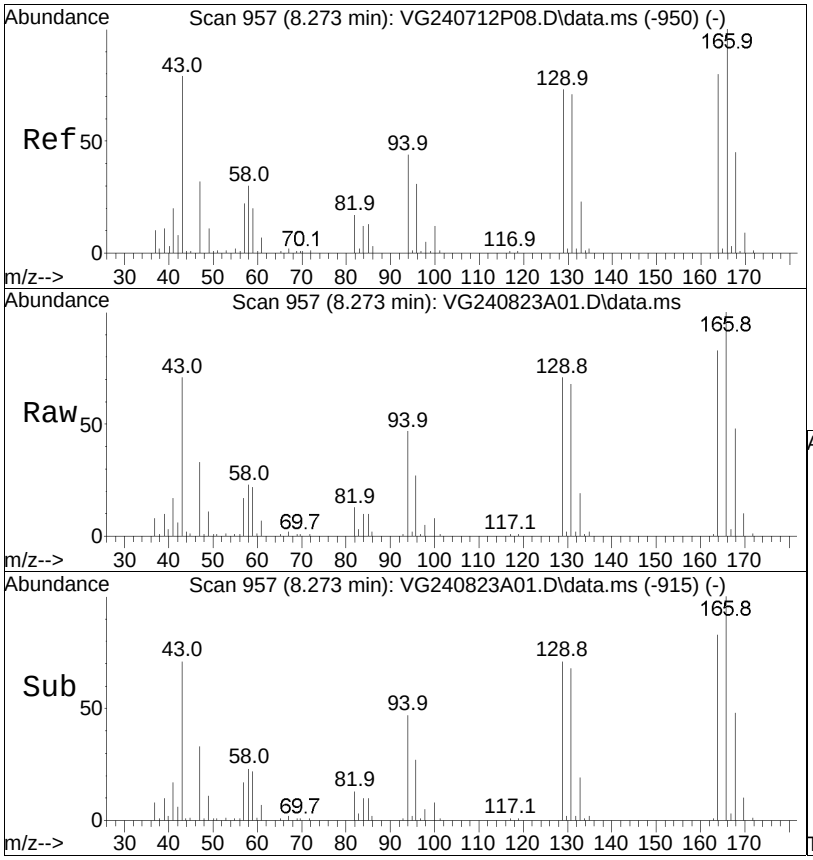


#61
Toluene
Concen: 10.10 ug/L
RT: 7.836 min Scan# 896
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 92 Resp: 200437

Ion	Ratio	Lower	Upper
92	100		
91	172.2	134.8	202.2

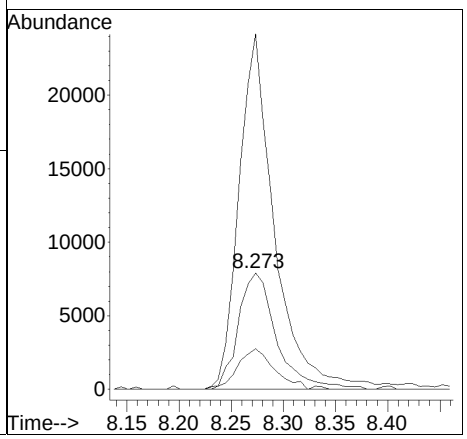


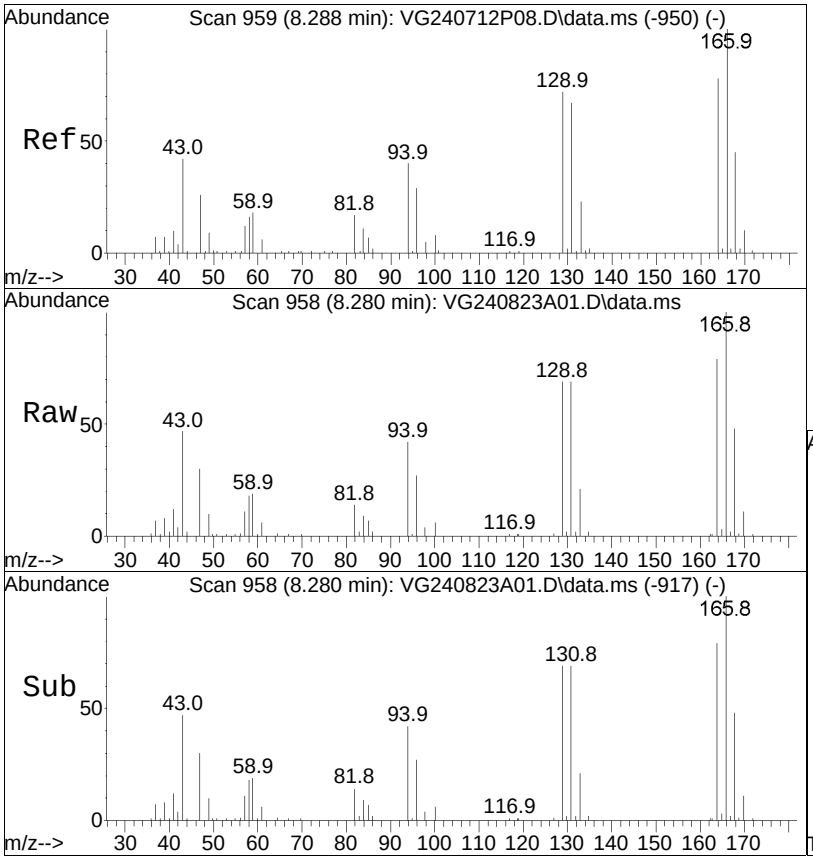


#62
4-Methyl-2-pentanone
Concen: 9.27 ug/L
RT: 8.273 min Scan# 957
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 58 Resp: 20289

Ion	Ratio	Lower	Upper
58	100		
100	34.0	33.6	50.4
43	286.7	204.3	306.5

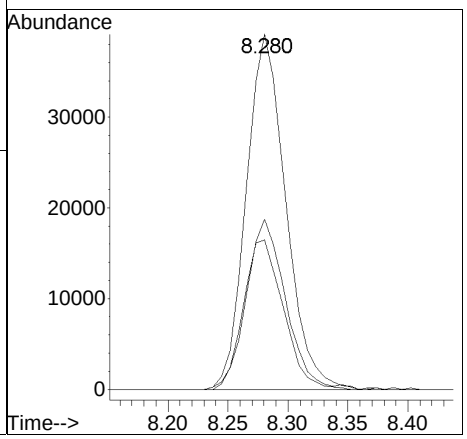


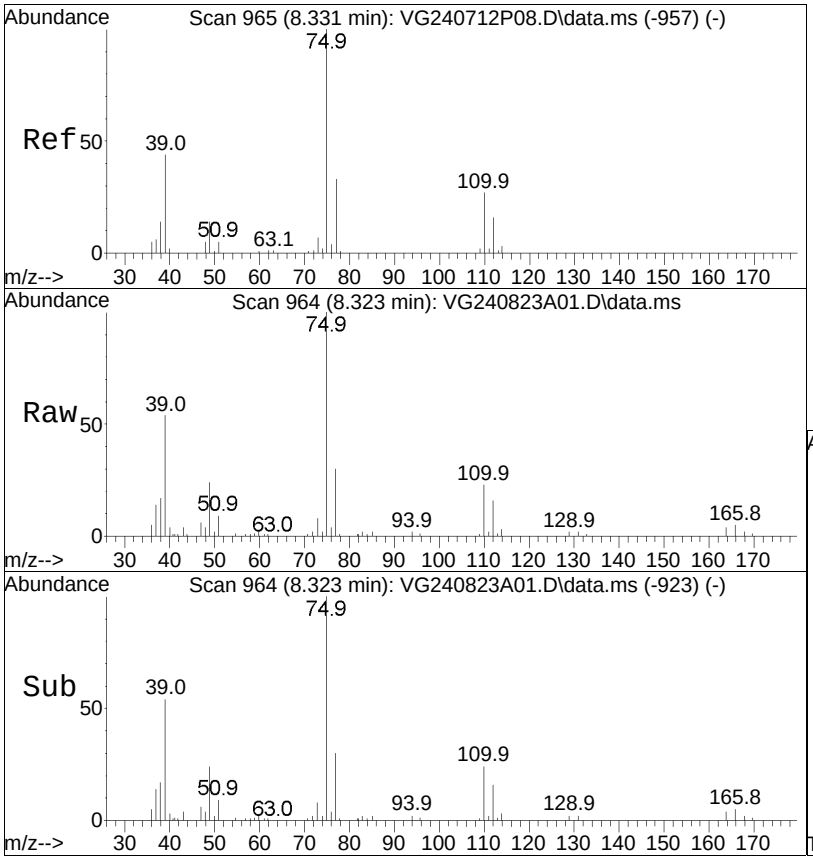


#63
Tetrachloroethene
Concen: 10.29 ug/L
RT: 8.280 min Scan# 958
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:166 Resp: 89632

Ion	Ratio	Lower	Upper
166	100		
168	47.5	27.3	67.3
94	42.6	20.5	60.5

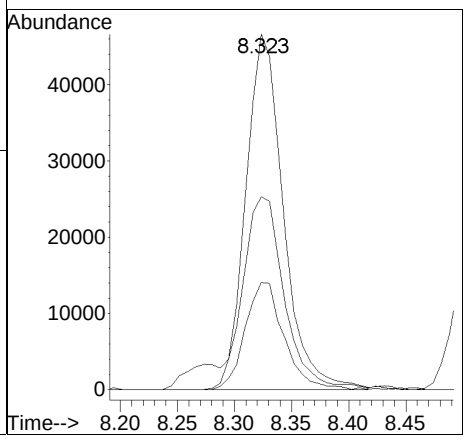


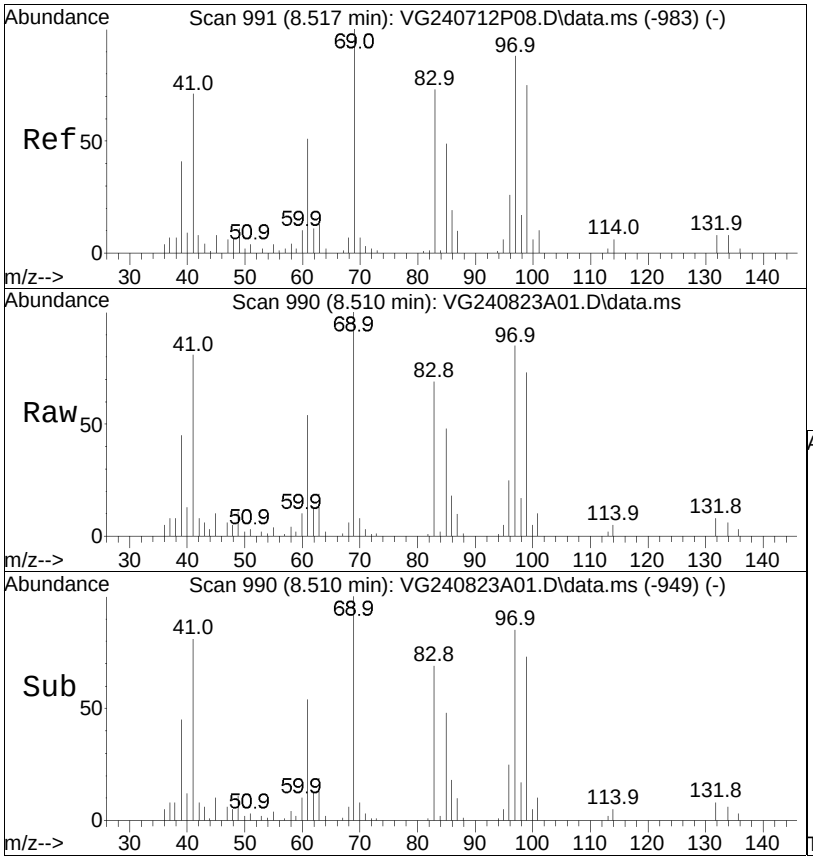


#65
trans-1,3-Dichloropropene
Concen: 9.83 ug/L
RT: 8.323 min Scan# 964
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 75 Resp: 106838

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.3	51.3
39	66.2	36.0	76.0

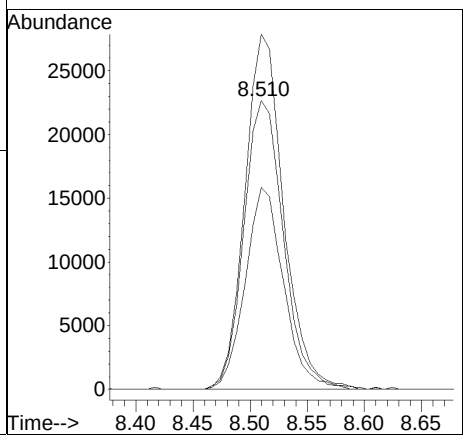


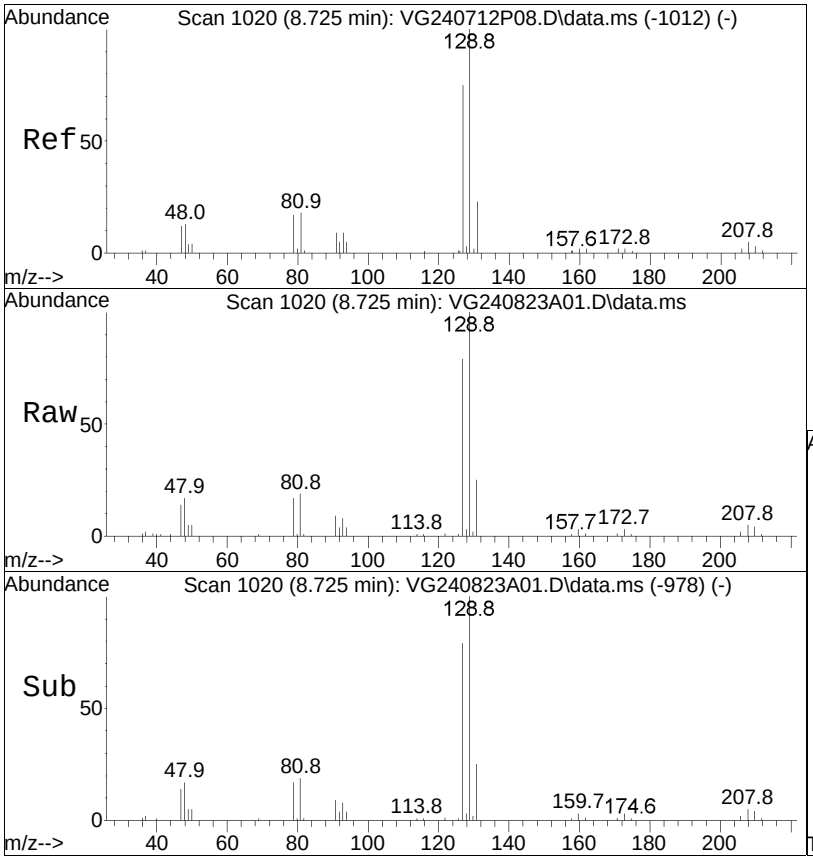


#68
1,1,2-Trichloroethane
Concen: 10.05 ug/L
RT: 8.510 min Scan# 990
Delta R.T. -0.007 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 83 Resp: 54749

Ion	Ratio	Lower	Upper
83	100		
97	120.2	101.0	141.0
85	67.9	47.9	87.9

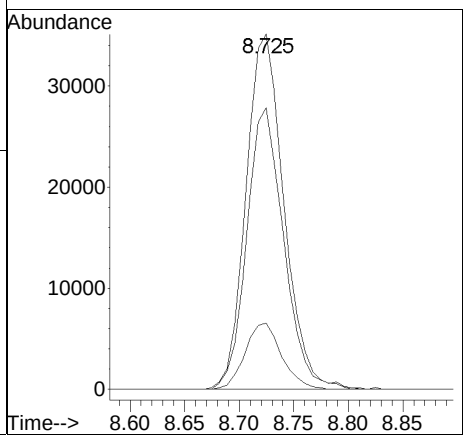


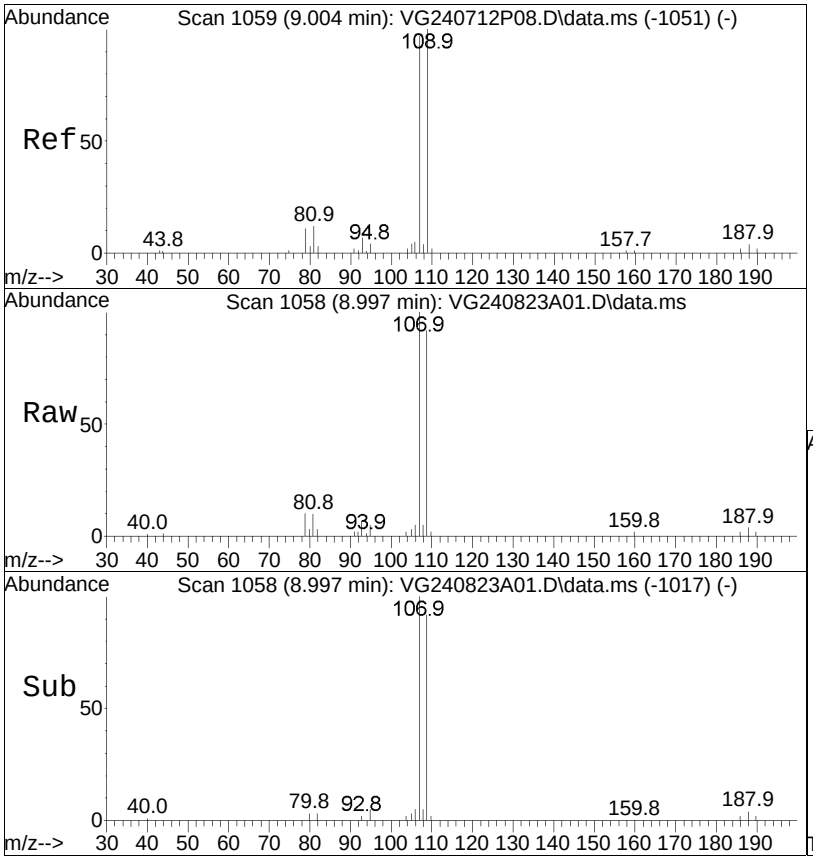


#69
Chlorodibromomethane
Concen: 9.87 ug/L
RT: 8.725 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:129 Resp: 85024

Ion	Ratio	Lower	Upper
129	100		
81	18.0	0.0	35.0
127	77.4	57.1	97.1

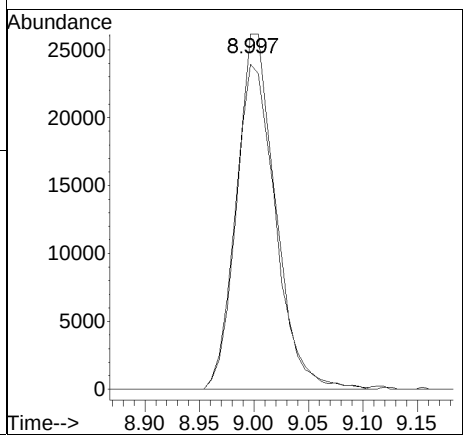


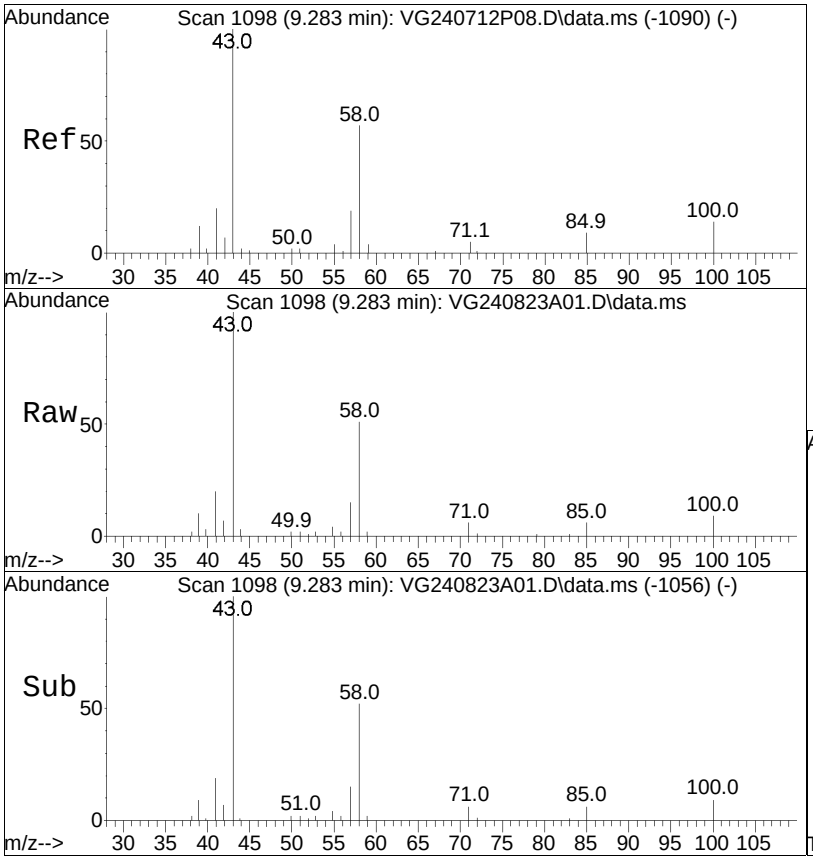


#71
1,2-Dibromoethane
Concen: 9.48 ug/L
RT: 8.997 min Scan# 1058
Delta R.T. -0.007 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:107 Resp: 65472

Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.0	114.0

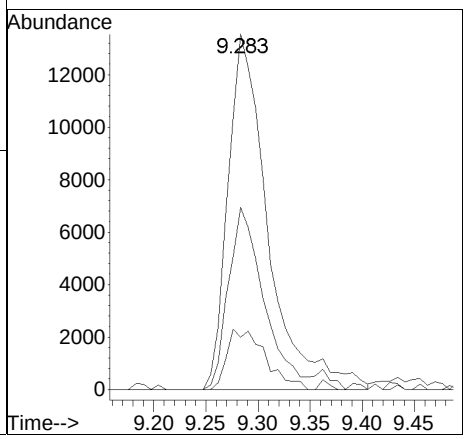


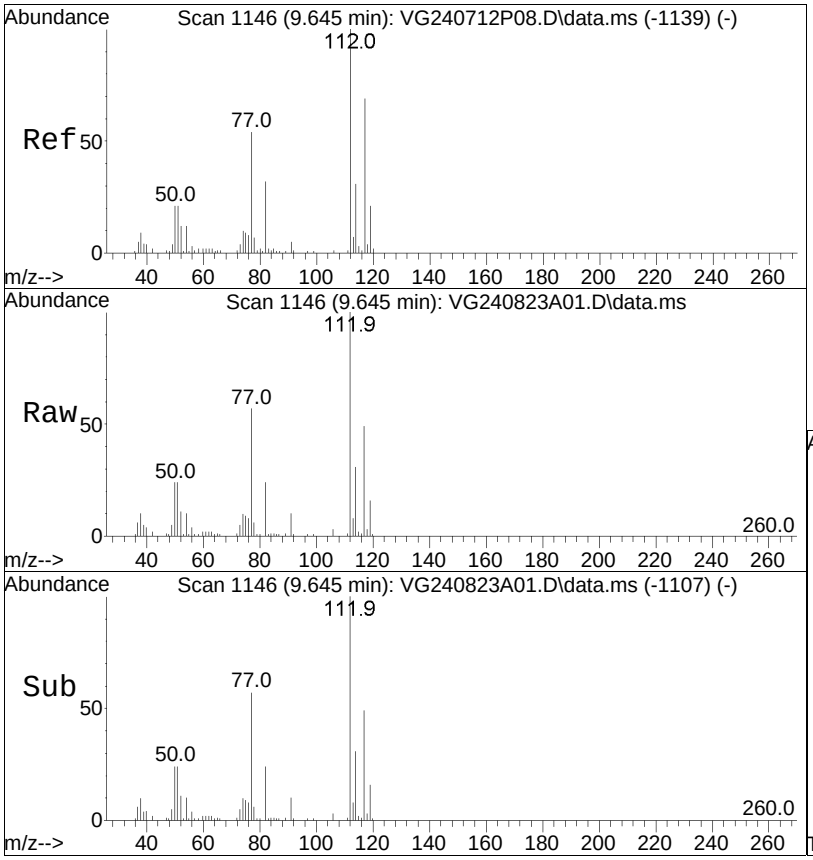


#72
2-Hexanone
Concen: 8.96 ug/L
RT: 9.283 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 43 Resp: 36364

Ion	Ratio	Lower	Upper
43	100		
58	45.2	43.8	65.6
57	16.2	15.2	22.8

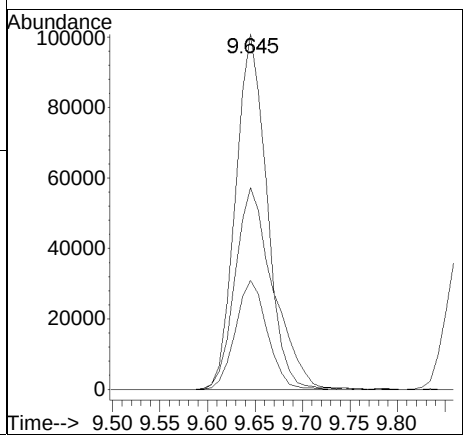


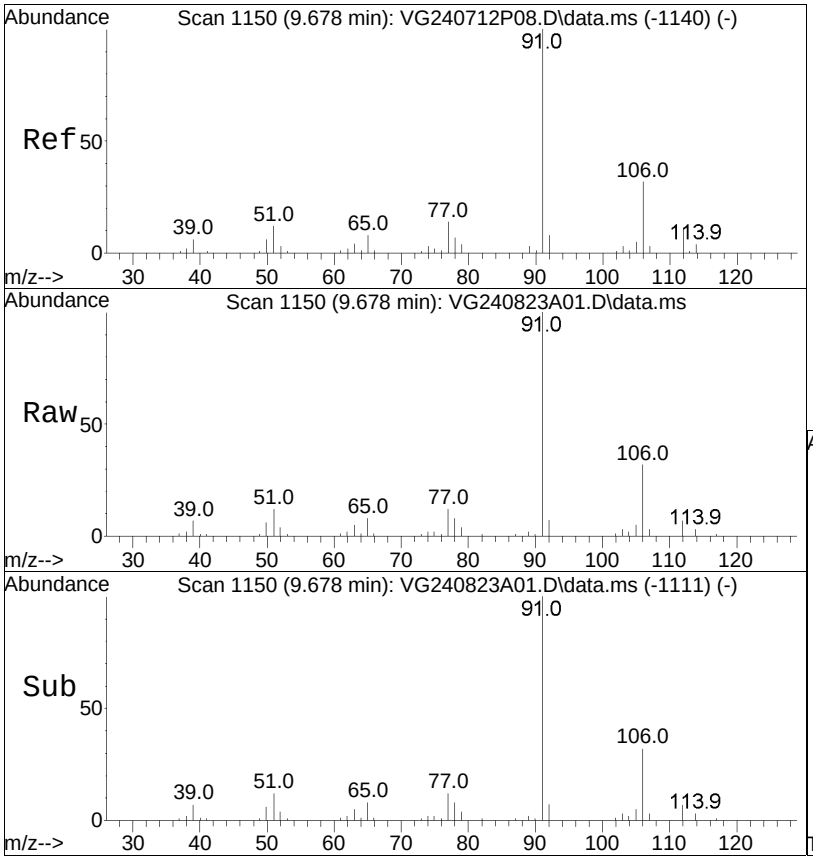


#73
Chlorobenzene
Concen: 10.39 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:112 Resp: 229813

Ion	Ratio	Lower	Upper
112	100		
77	70.2	55.9	83.9
114	31.4	25.4	38.0

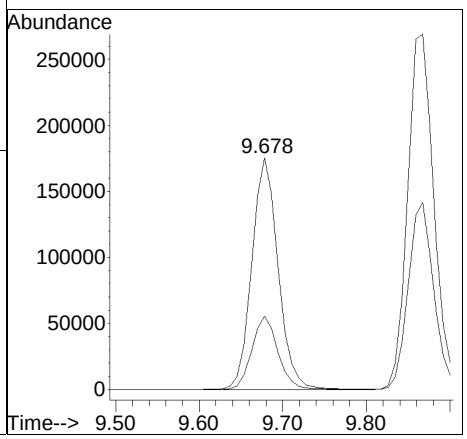


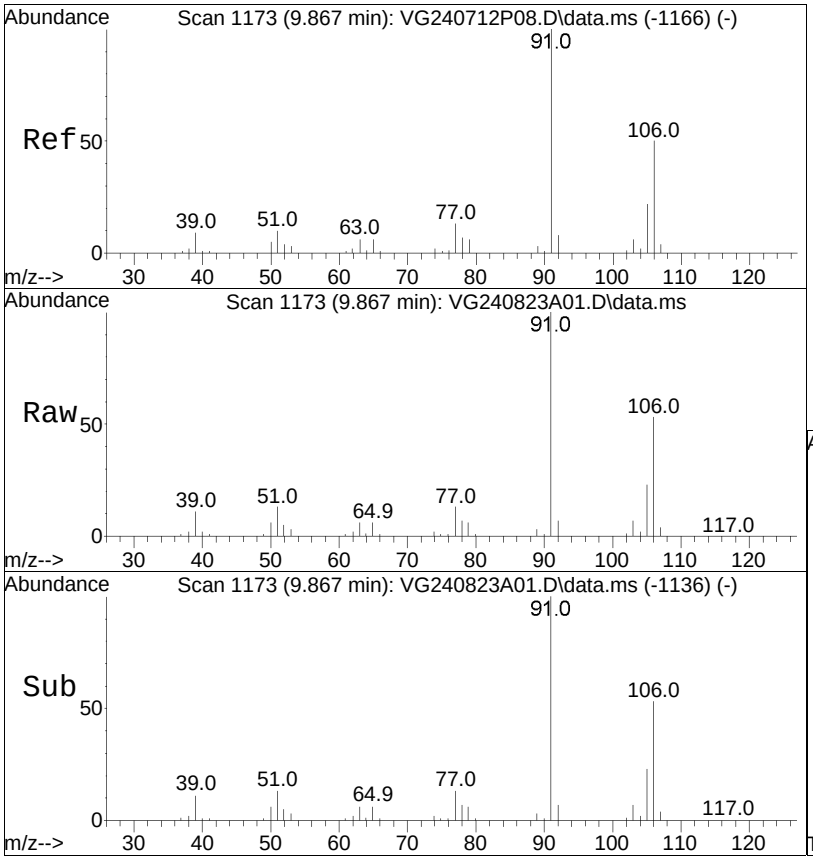


#74
Ethylbenzene
Concen: 10.09 ug/L
RT: 9.678 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 91 Resp: 382498

Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9

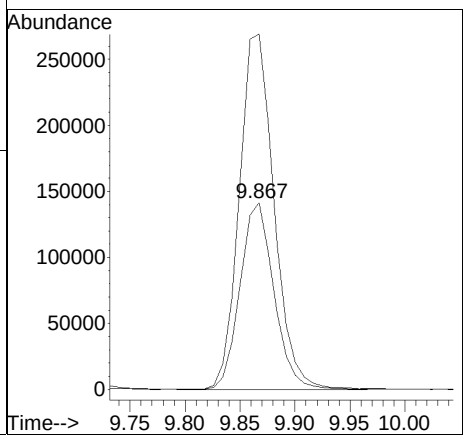


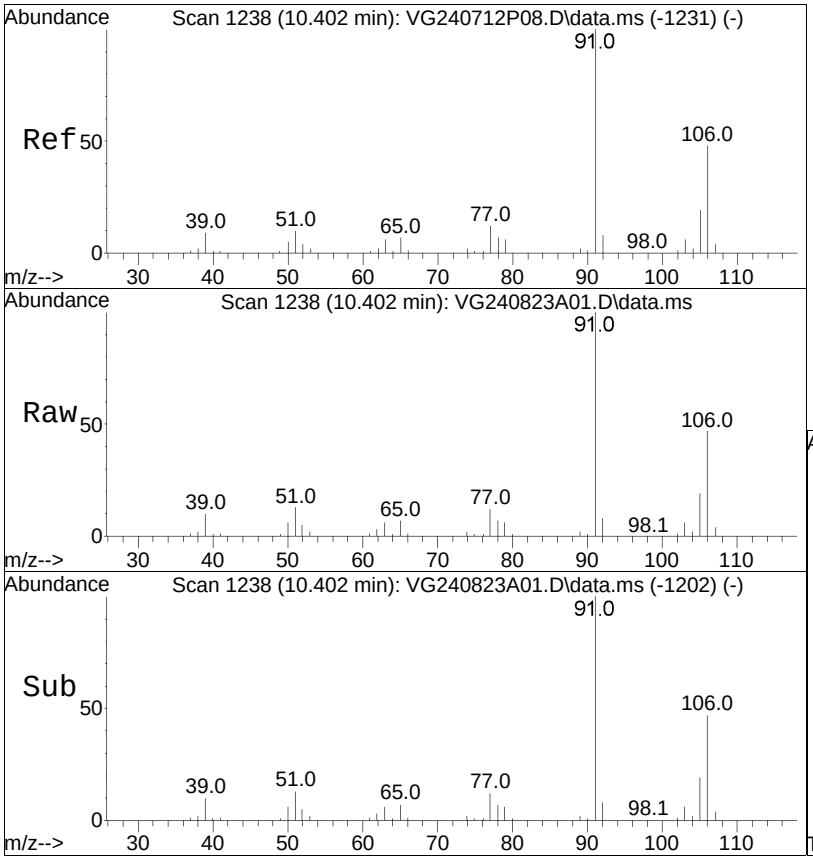


#76
p/m Xylene
Concen: 20.23 ug/L
RT: 9.867 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:106 Resp: 303228

Ion	Ratio	Lower	Upper
106	100		
91	194.7	157.1	235.7

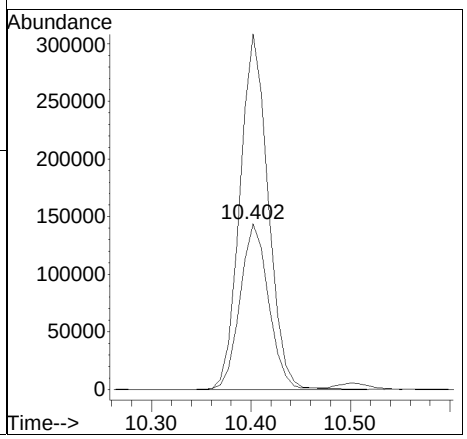


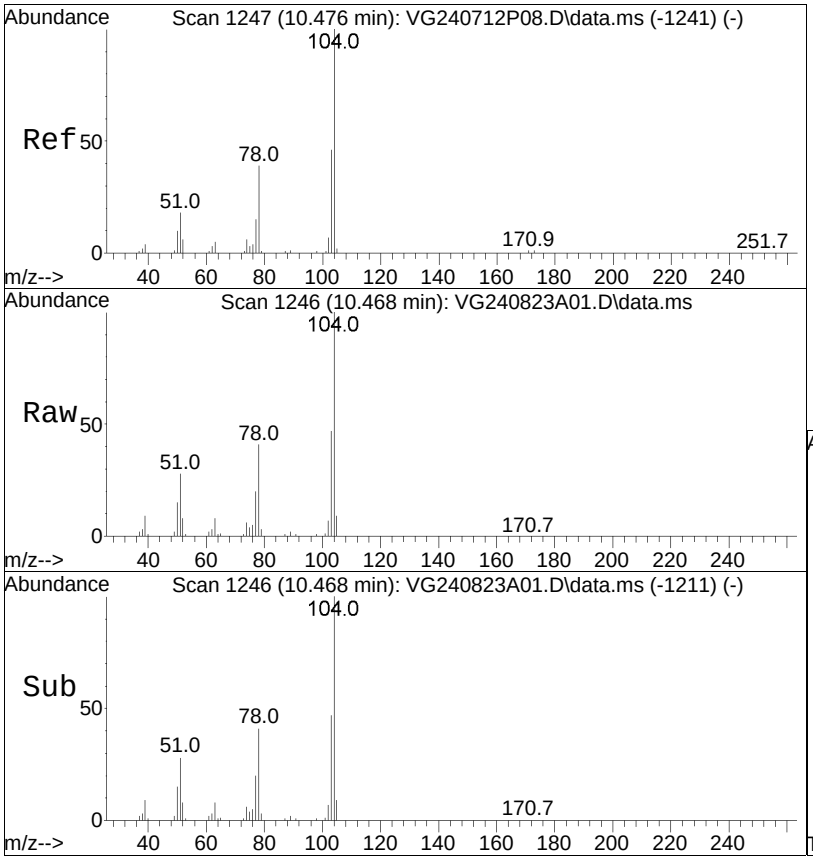


#77
o Xylene
Concen: 19.83 ug/L
RT: 10.402 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:106 Resp: 287853

Ion	Ratio	Lower	Upper
106	100		
91	210.8	164.7	247.1

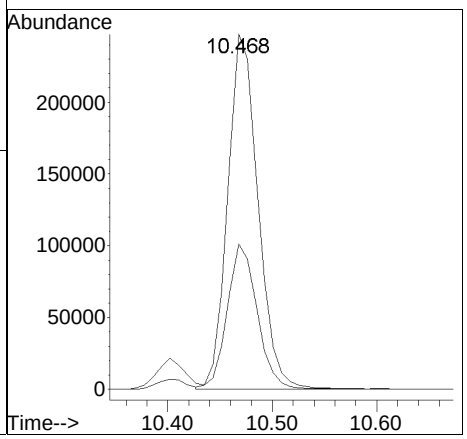


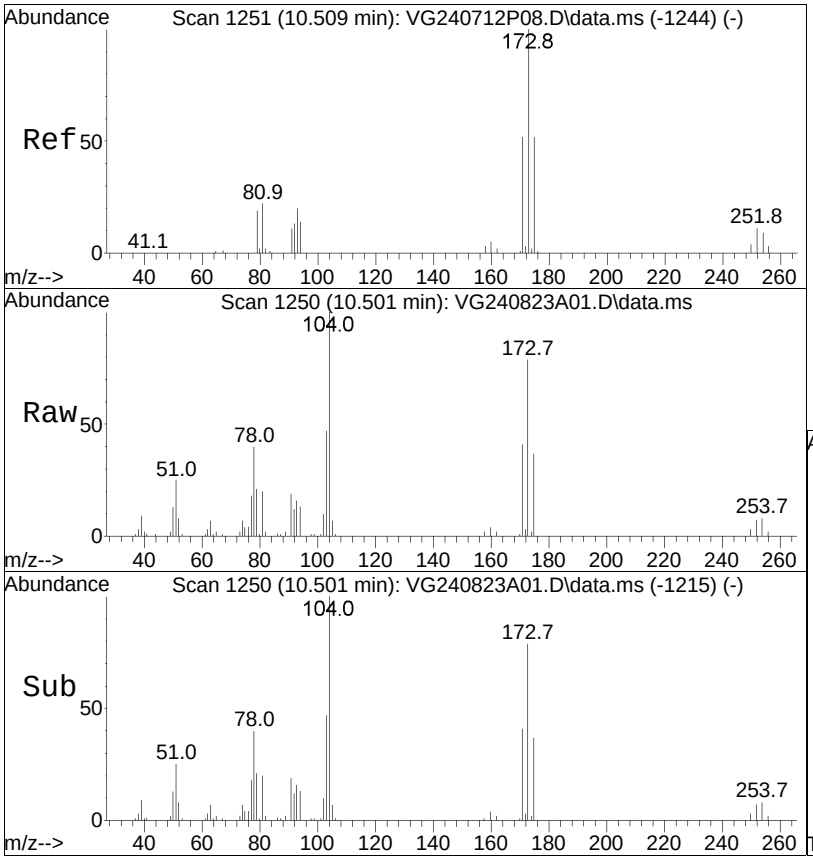


#78
Styrene
Concen: 20.21 ug/L
RT: 10.468 min Scan# 1246
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:104 Resp: 497259

Ion	Ratio	Lower	Upper
104	100		
78	40.6	32.2	48.4

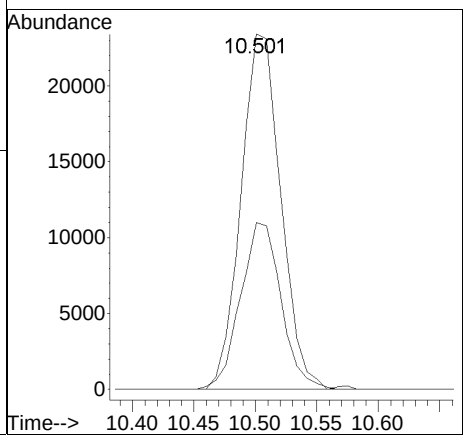


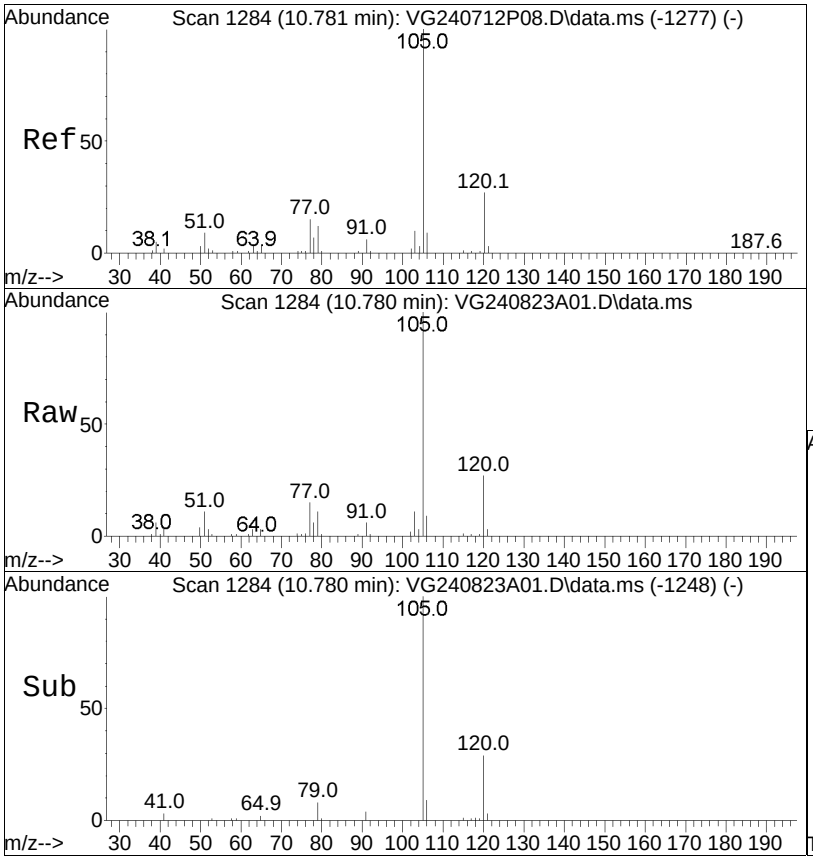


#80
Bromoform
Concen: 8.77 ug/L
RT: 10.501 min Scan# 1250
Delta R.T. -0.008 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:173 Resp: 52896

Ion	Ratio	Lower	Upper
173	100		
175	47.8	28.0	68.0

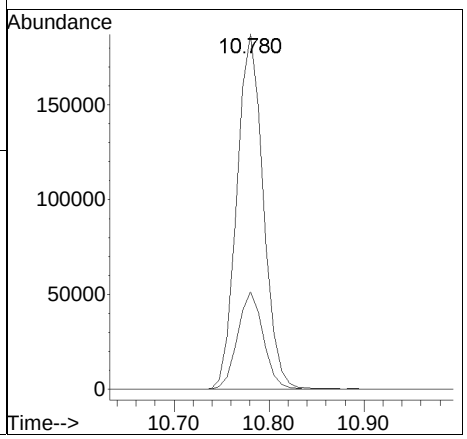


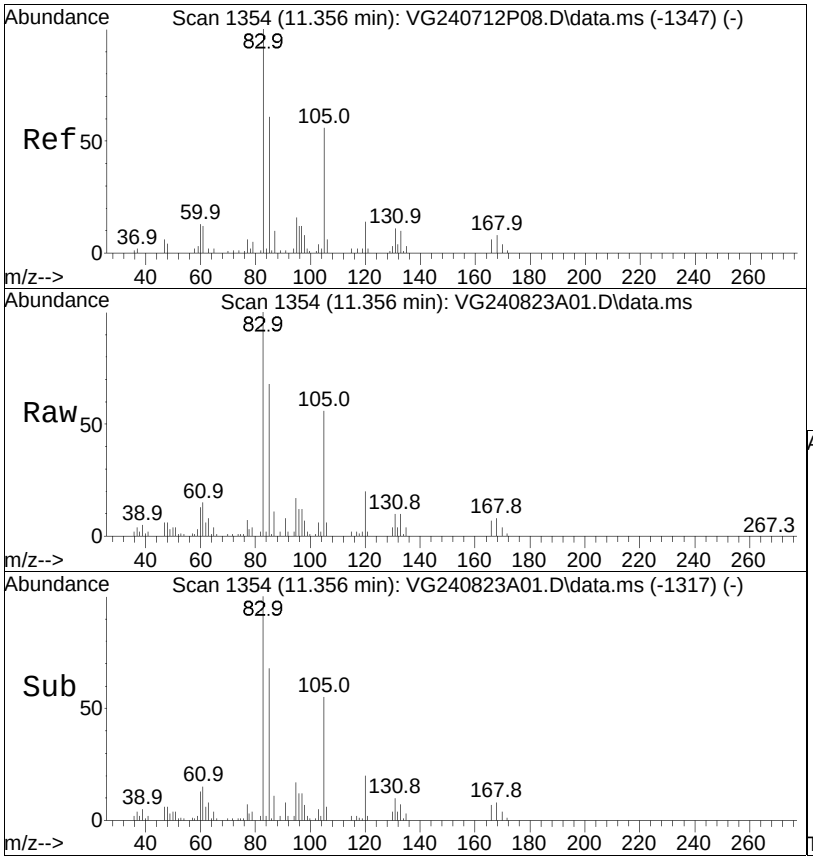


#82
Isopropylbenzene
Concen: 9.54 ug/L
RT: 10.780 min Scan# 1284
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:105 Resp: 363321

Ion	Ratio	Lower	Upper
105	100		
120	26.8	7.0	47.0

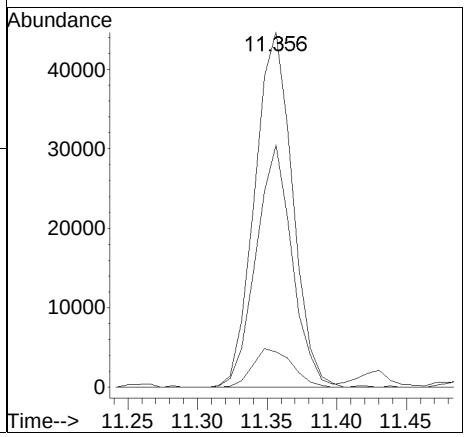


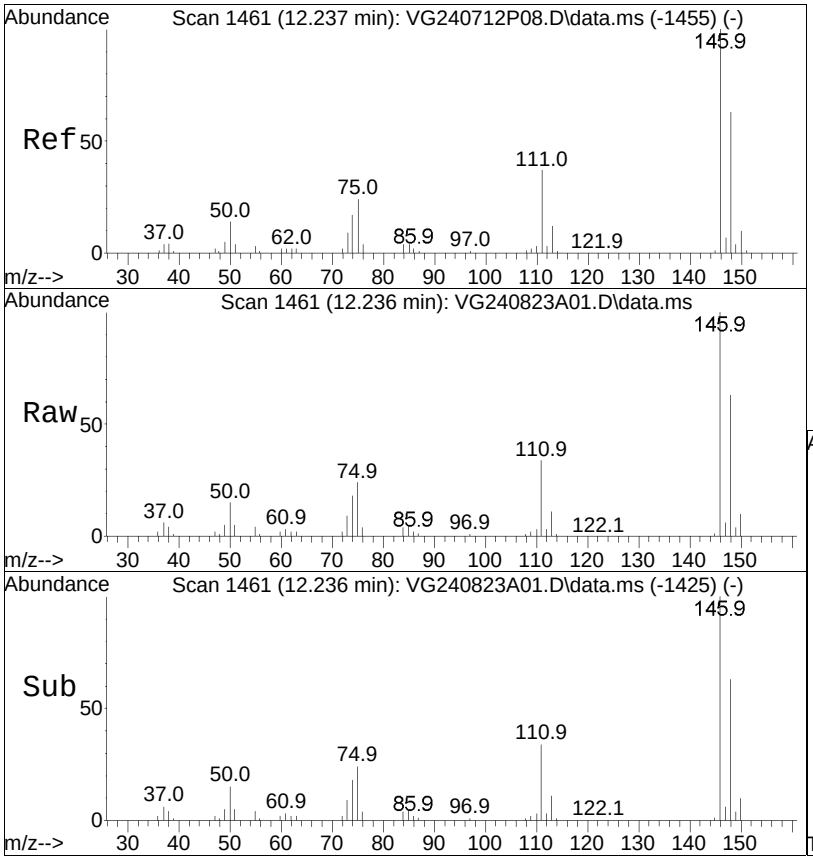


#87
1,1,2,2-Tetrachloroethane
Concen: 9.98 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion: 83 Resp: 84449

Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	31.0
85	65.2	43.9	83.9

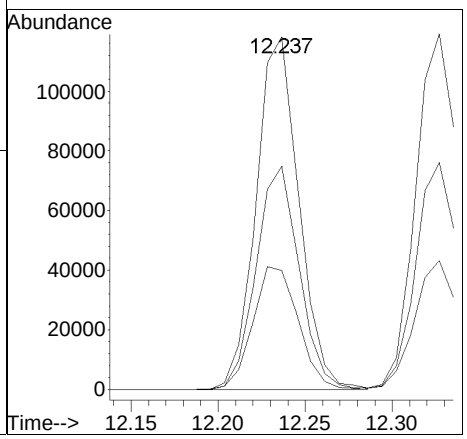


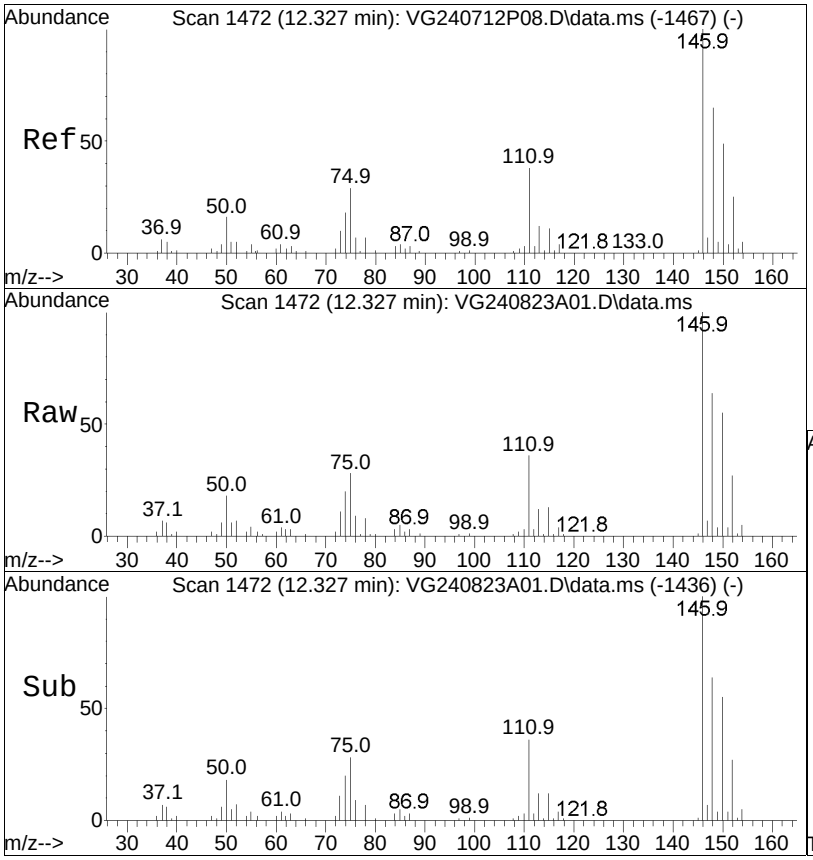


#100
1,3-Dichlorobenzene
Concen: 10.46 ug/L
RT: 12.236 min Scan# 1461
Delta R.T. -0.001 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:146 Resp: 202161

Ion	Ratio	Lower	Upper
146	100		
111	36.8	24.4	50.6
148	63.6	41.0	85.2

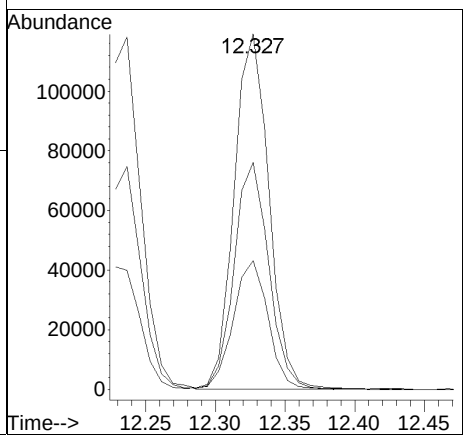


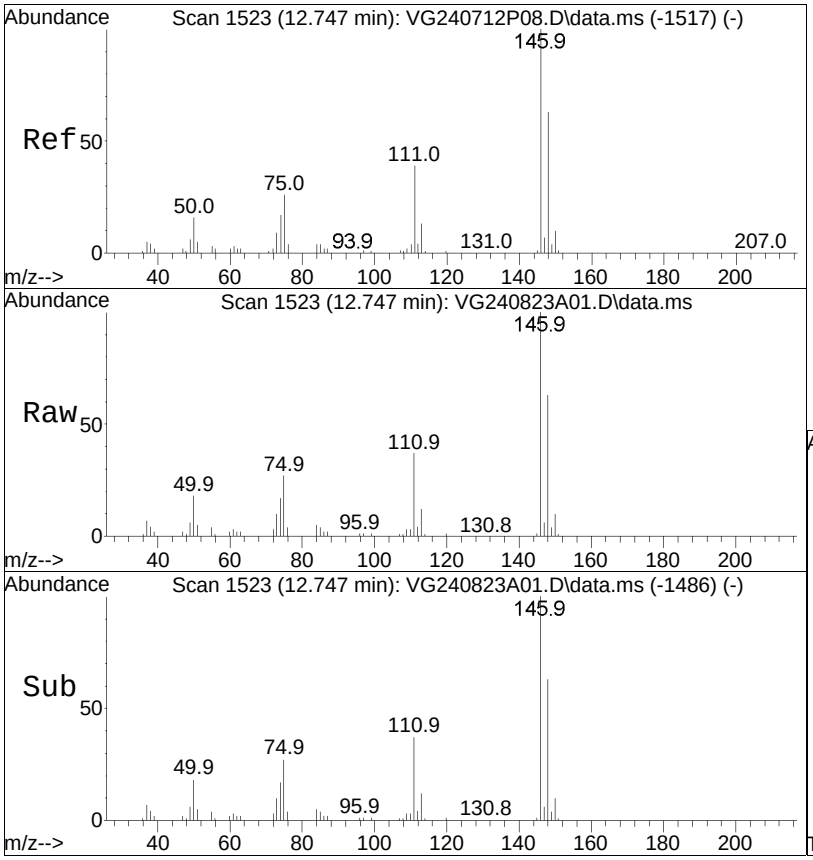


#101
1,4-Dichlorobenzene
Concen: 10.37 ug/L
RT: 12.327 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:146 Resp: 206544

Ion	Ratio	Lower	Upper
146	100		
111	36.6	29.3	43.9
148	63.9	51.2	76.8

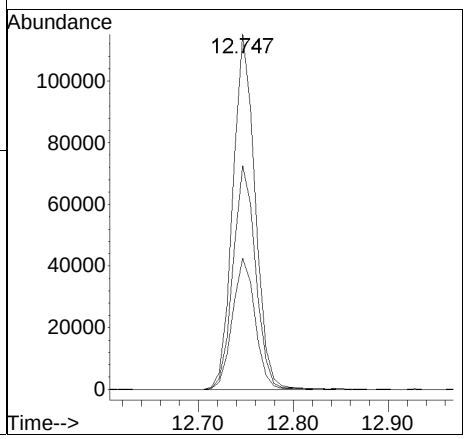


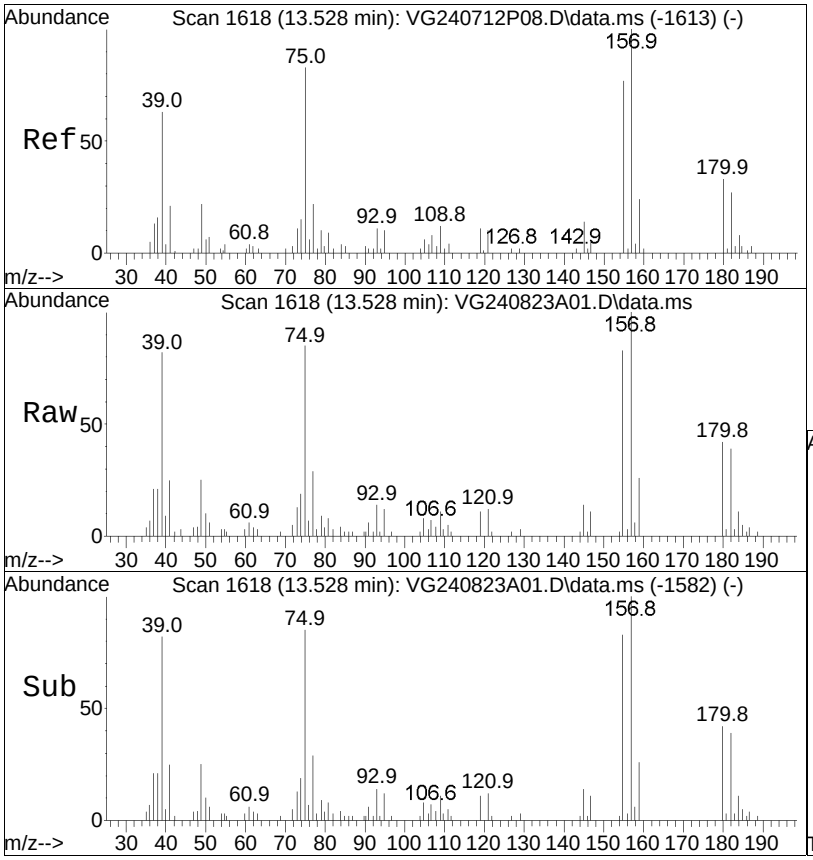


#104
1,2-Dichlorobenzene
Concen: 10.20 ug/L
RT: 12.747 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:146 Resp: 188165

Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.4	52.8
148	63.8	41.7	86.5

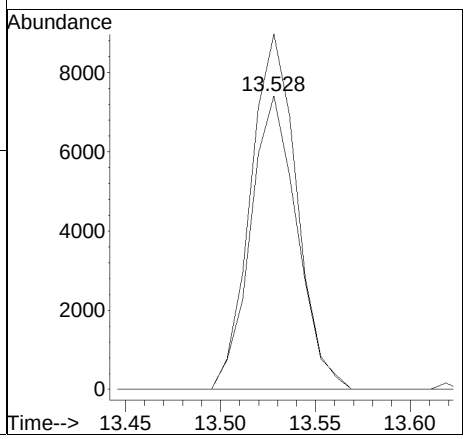


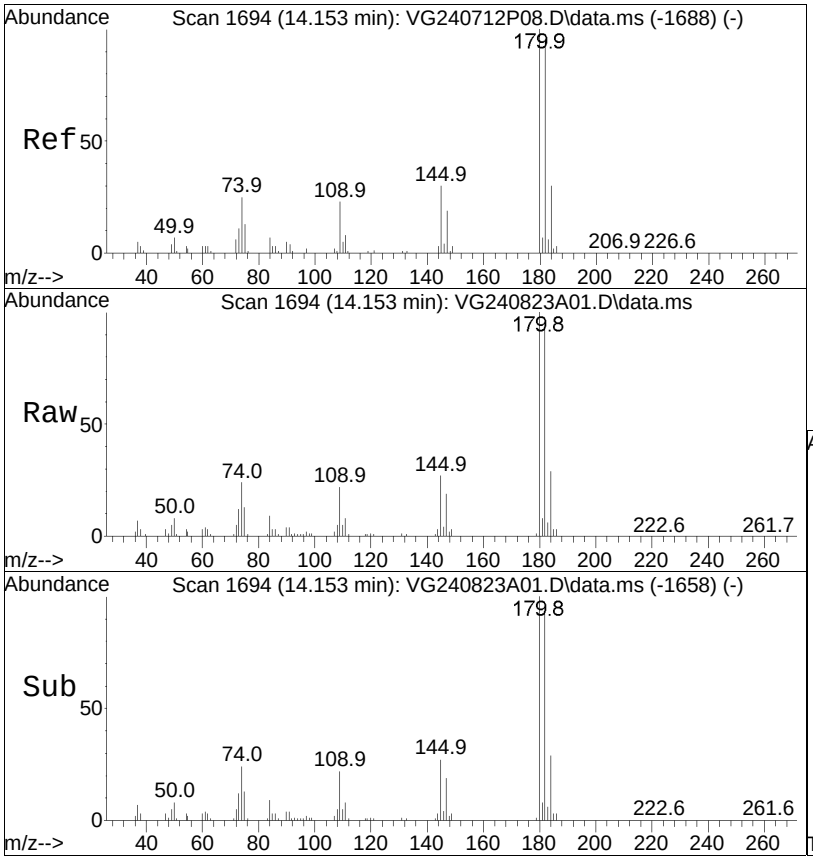


#106
1,2-Dibromo-3-chloropropane
Concen: 8.06 ug/L
RT: 13.528 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:155 Resp: 12644

Ion	Ratio	Lower	Upper
155	100		
157	119.7	99.9	149.9

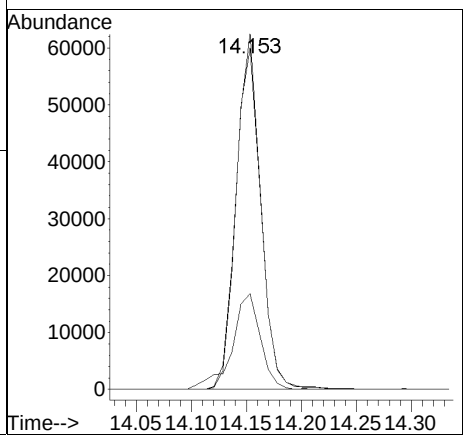


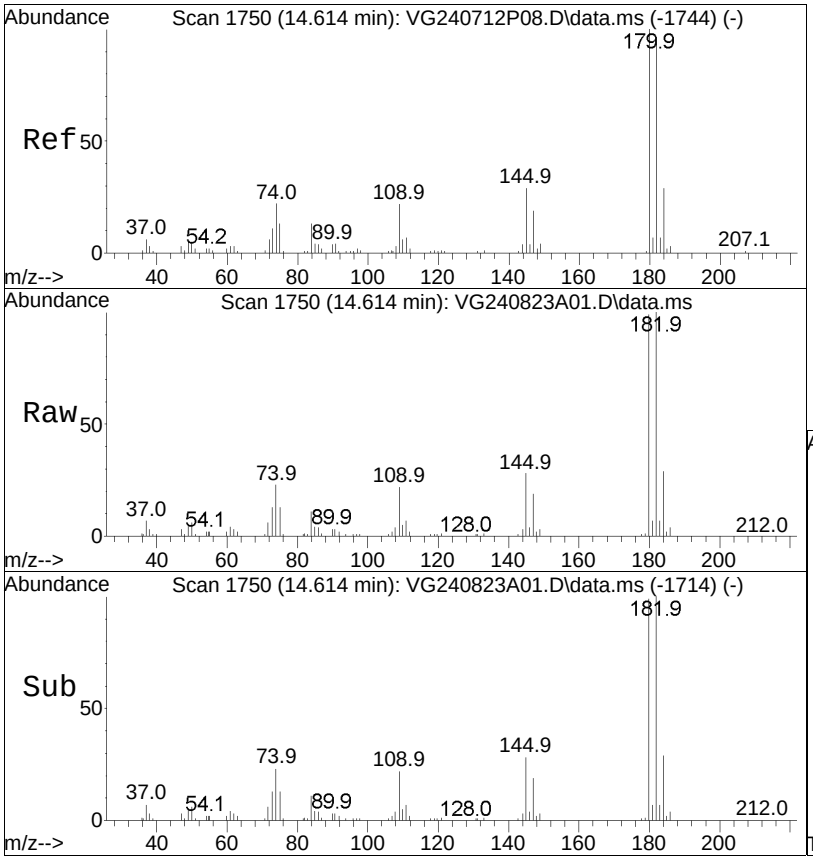


#109
1,2,4-Trichlorobenzene
Concen: 9.25 ug/L
RT: 14.153 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:180 Resp: 97200

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.7	115.1
145	31.2	26.5	39.7

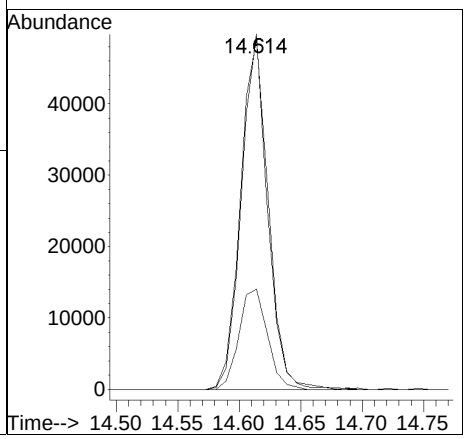




#111
1,2,3-Trichlorobenzene
Concen: 8.81 ug/L
RT: 14.614 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VG240823A01.D
Acq: 23 Aug 2024 7:49 am

Tgt Ion:180 Resp: 76979

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.0	115.4
145	29.4	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-3,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	428454	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 100.00%			
62) Chlorobenzene-d5	9.512	117	356768	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 100.00%			
83) 1,4-Dichlorobenzene-d4	12.229	152	187735	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 100.00%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	150509	10.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.54%			
46) 1,2-Dichloroethane-d4	5.688	65	129330	10.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
63) Toluene-d8	7.668	98	434428	9.557	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.57%			
87) 4-Bromofluorobenzene	11.012	95	152438	8.917	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.17%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.631	85	61311	7.248	ug/L	97
3) Chloromethane	1.815	50	92262	8.177	ug/L	97
4) Vinyl chloride	1.887	62	89777	10.057	ug/L	96
5) Bromomethane	2.195	94	24347	6.789	ug/L	97
6) Chloroethane	2.307	64	42530	8.242	ug/L	98
7) Trichlorofluoromethane	2.451	101	106080	10.372	ug/L	99
10) 1,1-Dichloroethene	2.936	96	58032	9.790	ug/L #	73
11) Carbon disulfide	2.962	76	183538	9.425	ug/L	100
12) Freon-113	2.975	101	65146	10.627	ug/L	98
15) Methylene chloride	3.473	84	68826	8.758	ug/L #	58
17) Acetone	3.512	43	14601	10.193	ug/L	97
18) trans-1,2-Dichloroethene	3.630	96	63080	9.097	ug/L	80
19) Methyl acetate	3.637	43	31272	8.484	ug/L #	84
21) Methyl tert-butyl ether	3.729	73	115141	8.684	ug/L #	77
25) 1,1-Dichloroethane	4.207	63	131532	9.287	ug/L	95
30) cis-1,2-Dichloroethene	4.725	96	69684	9.068	ug/L #	80
32) Bromochloromethane	4.915	128	36582	10.088	ug/L #	73
33) Cyclohexane	4.928	56	142762	10.061	ug/L	68
34) Chloroform	4.987	83	111573	9.103	ug/L #	95
36) Carbon tetrachloride	5.125	117	90114	10.187	ug/L	97

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-3,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.190	97	99941	9.669	ug/L		94
41) 2-Butanone	5.269	43	17620	8.753	ug/L	#	47
44) Benzene	5.557	78	226988	8.364	ug/L	#	89
47) 1,2-Dichloroethane	5.754	62	63015	9.294	ug/L		99
50) Methyl cyclohexane	6.147	83	83638	9.567	ug/L	#	60
51) Trichloroethene	6.153	95	50723	8.788	ug/L		96
54) 1,2-Dichloropropane	6.695	63	53482	8.825	ug/L		95
57) Bromodichloromethane	6.764	83	64433	9.011	ug/L		100
60) 1,4-Dioxane	6.973	88	14103	589.886	ug/L	#	54
61) cis-1,3-Dichloropropene	7.452	75	66720	9.055	ug/L	#	86
64) Toluene	7.730	92	130433	8.876	ug/L		98
65) 4-Methyl-2-pentanone	8.161	58	9408	8.000	ug/L	#	73
66) Tetrachloroethene	8.175	166	61285	10.636	ug/L		96
68) trans-1,3-Dichloropropene	8.203	75	54754	7.567	ug/L		86
71) 1,1,2-Trichloroethane	8.391	83	28637	8.298	ug/L		98
72) Chlorodibromomethane	8.600	129	46142	8.322	ug/L		99
74) 1,2-Dibromoethane	8.881	107	34662	8.963	ug/L		99
76) 2-Hexanone	9.168	43	17617	8.061	ug/L	#	87
77) Chlorobenzene	9.533	112	152131	9.140	ug/L	#	88
78) Ethylbenzene	9.582	91	249872	9.005	ug/L		99
80) p/m Xylene	9.771	106	201549	18.713	ug/L		98
81) o Xylene	10.311	106	188108	18.468	ug/L		98
82) Styrene	10.374	104	308107	18.807	ug/L		98
84) Bromoform	10.388	173	24225	8.577	ug/L		100
86) Isopropylbenzene	10.697	105	263385	9.045	ug/L		100
91) 1,1,2,2-Tetrachloroethane	11.258	83	38581	8.099	ug/L		98
104) 1,3-Dichlorobenzene	12.153	146	126335	9.301	ug/L		99
105) 1,4-Dichlorobenzene	12.243	146	123650	9.179	ug/L		99
108) 1,2-Dichlorobenzene	12.668	146	111058	9.242	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.455	155	6004	8.467	ug/L		98
113) 1,2,4-Trichlorobenzene	14.088	180	62284	9.352	ug/L		98
115) 1,2,3-Trichlorobenzene	14.554	180	53811	9.511	ug/L		98

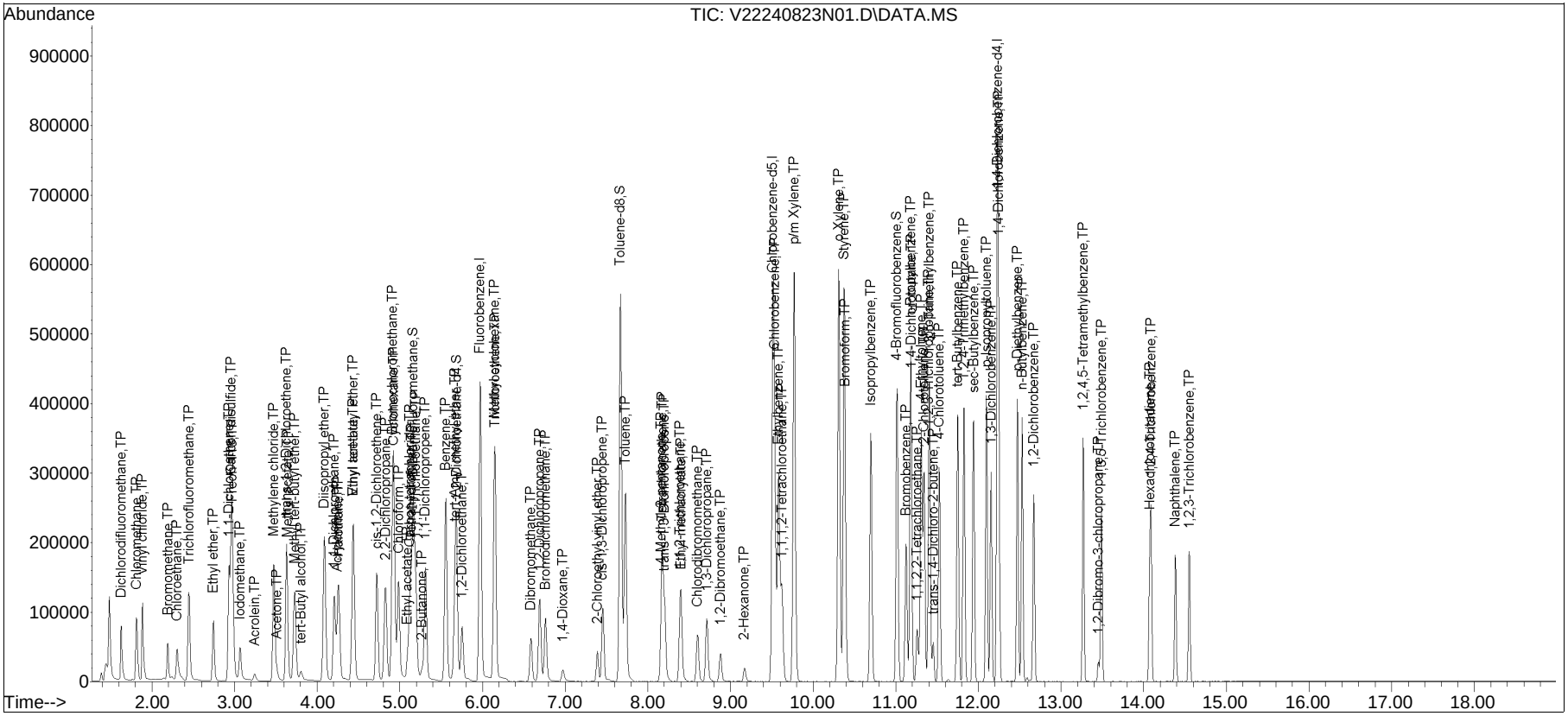
(#) = qualifier out of range (m) = manual integration (+) = signals summed

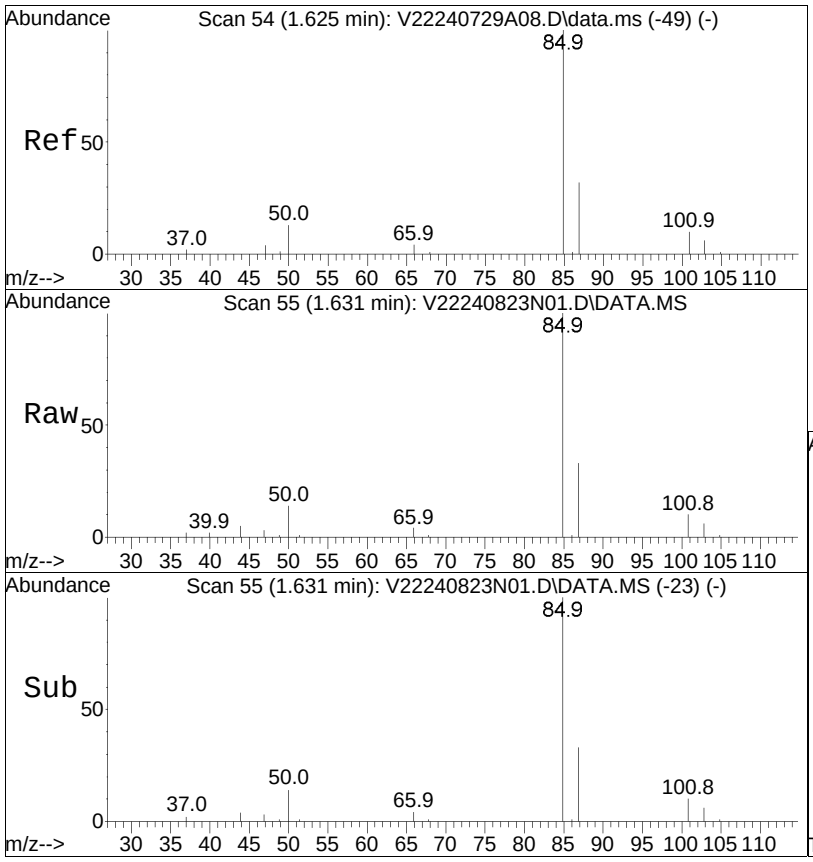
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N01.D
Acq On : 23 Aug 2024 04:03 pm
Operator : VOA122:TMS
Sample : WG1963652-3,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 23 16:38:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox240823N01.D•

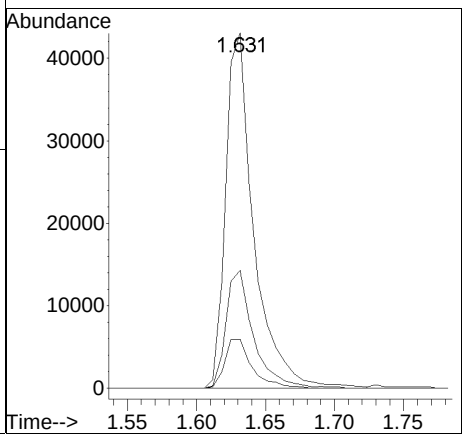


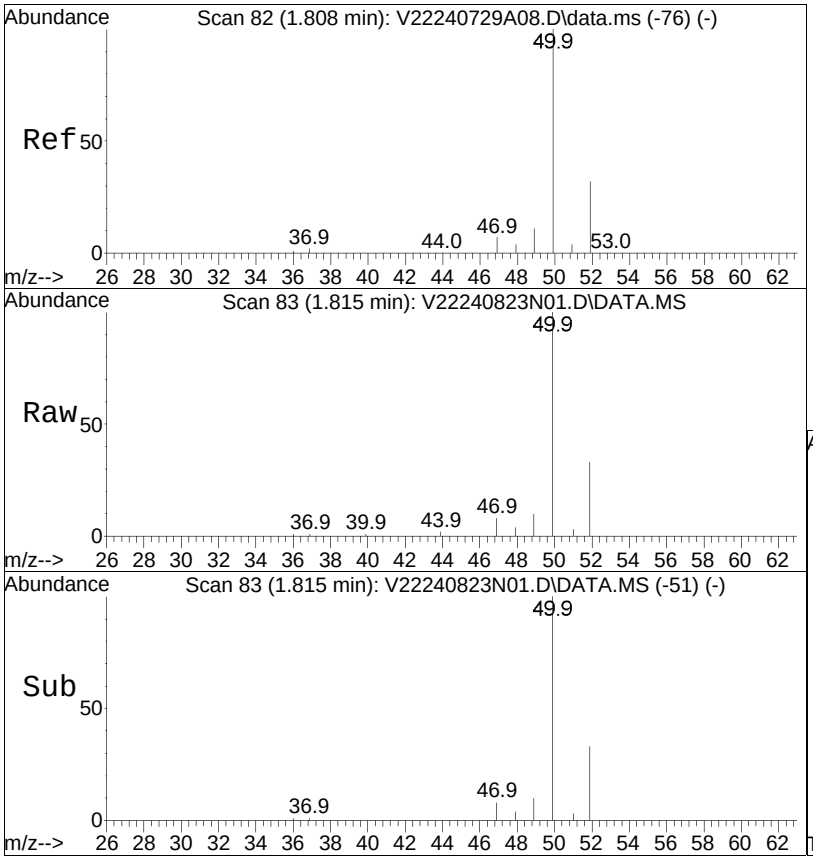


#2
Dichlorodifluoromethane
Concen: 7.25 ug/L
RT: 1.631 min Scan# 55
Delta R.T. 0.006 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 85 Resp: 61311

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.7	42.9
50	13.6	6.8	14.2

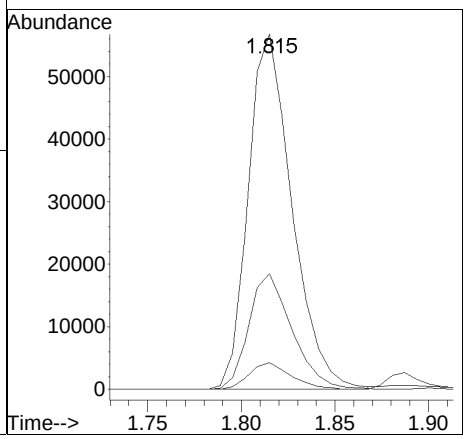


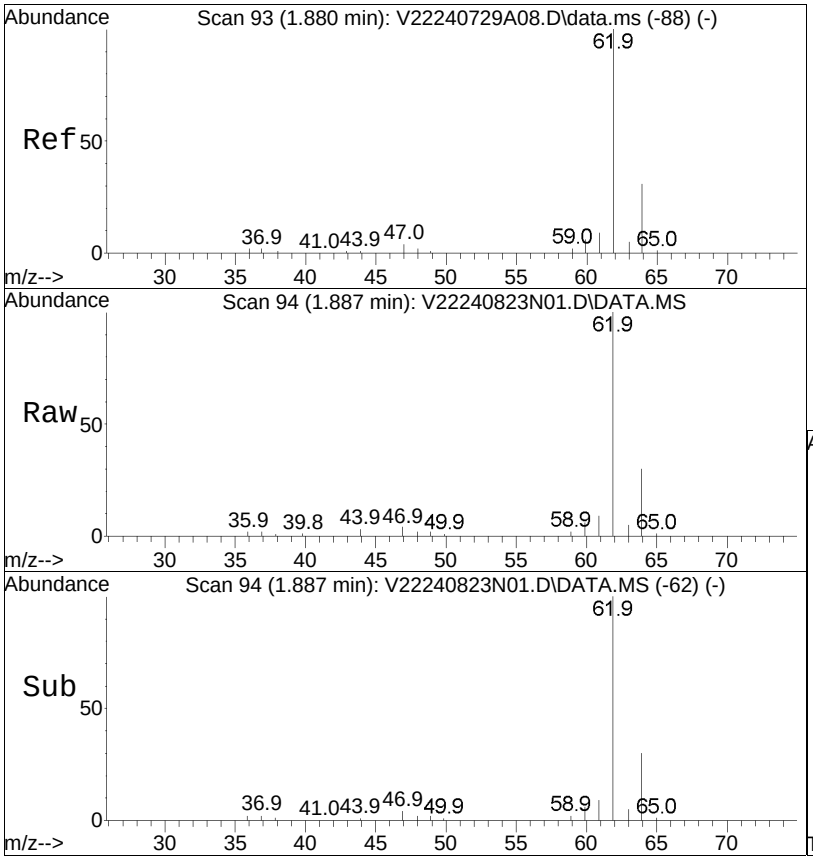


#3
Chloromethane
Concen: 8.18 ug/L
RT: 1.815 min Scan# 83
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 50 Resp: 92262

Ion	Ratio	Lower	Upper
50	100		
52	32.2	12.8	52.8
47	7.3	0.0	30.0

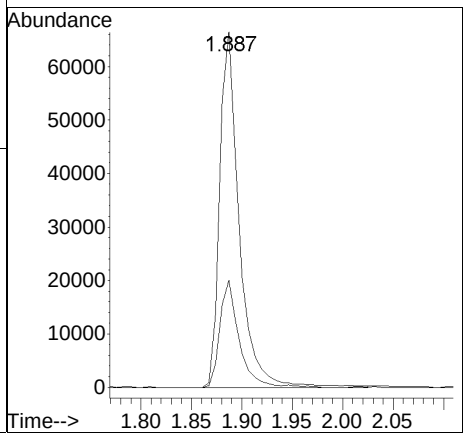


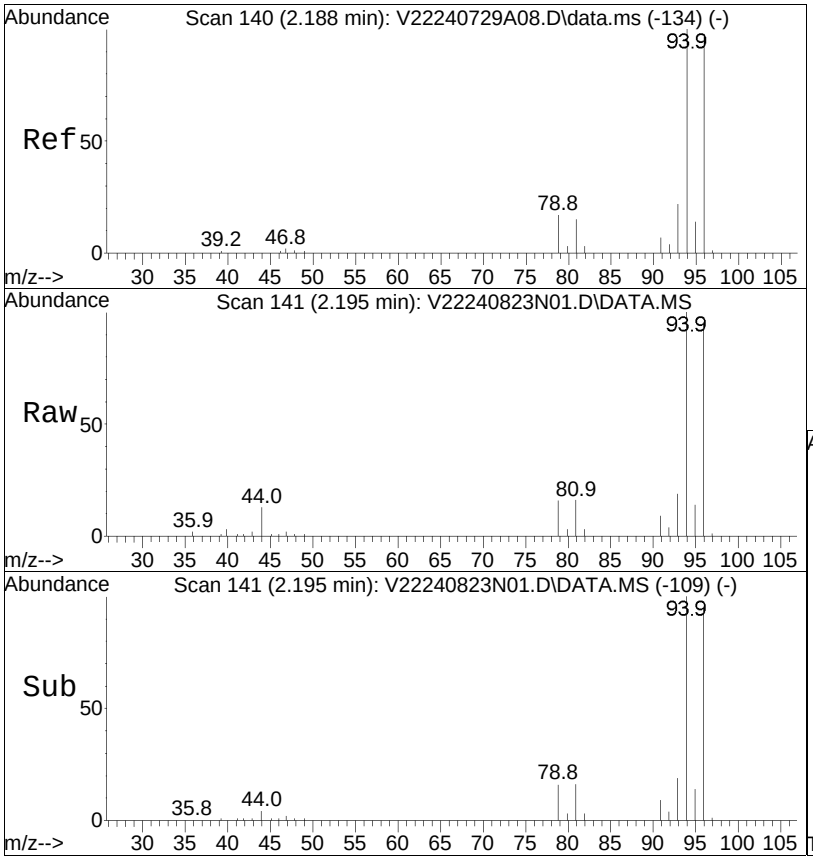


#4
Vinyl chloride
Concen: 10.06 ug/L
RT: 1.887 min Scan# 94
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 62 Resp: 89777

Ion	Ratio	Lower	Upper
62	100		
64	29.8	12.0	52.0

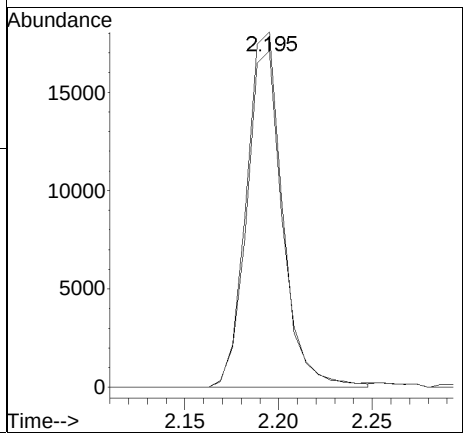


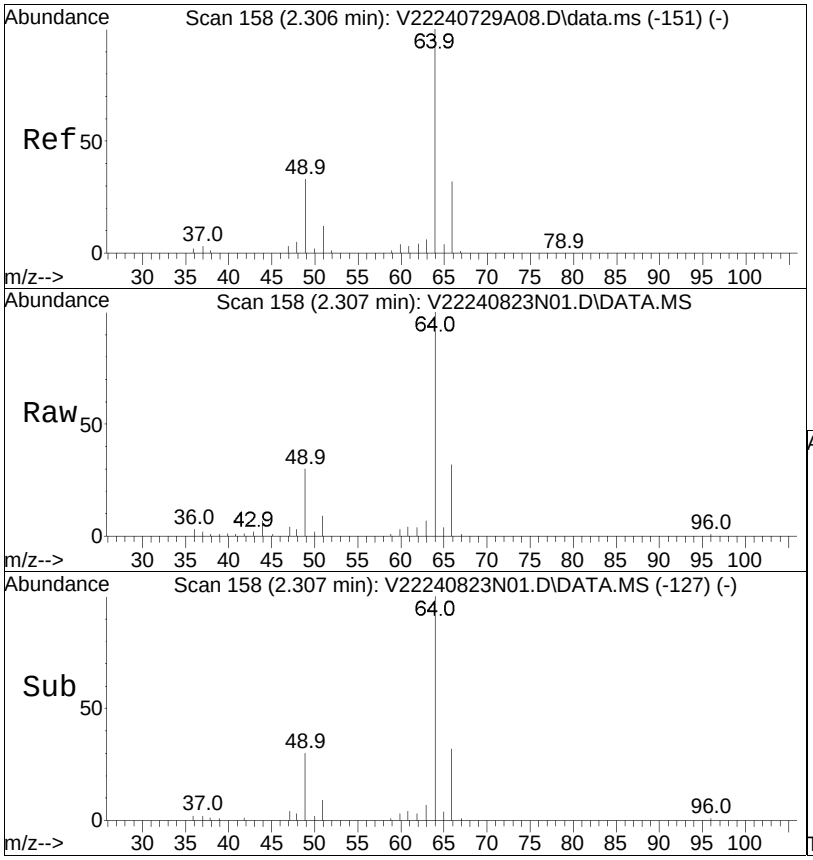


#5
Bromomethane
Concen: 6.79 ug/L
RT: 2.195 min Scan# 141
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 94 Resp: 24347

Ion	Ratio	Lower	Upper
94	100		
96	95.4	72.8	112.8

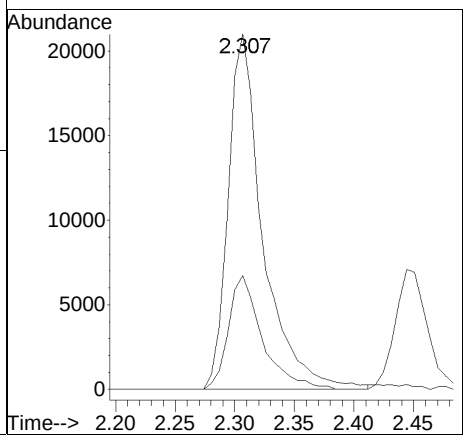


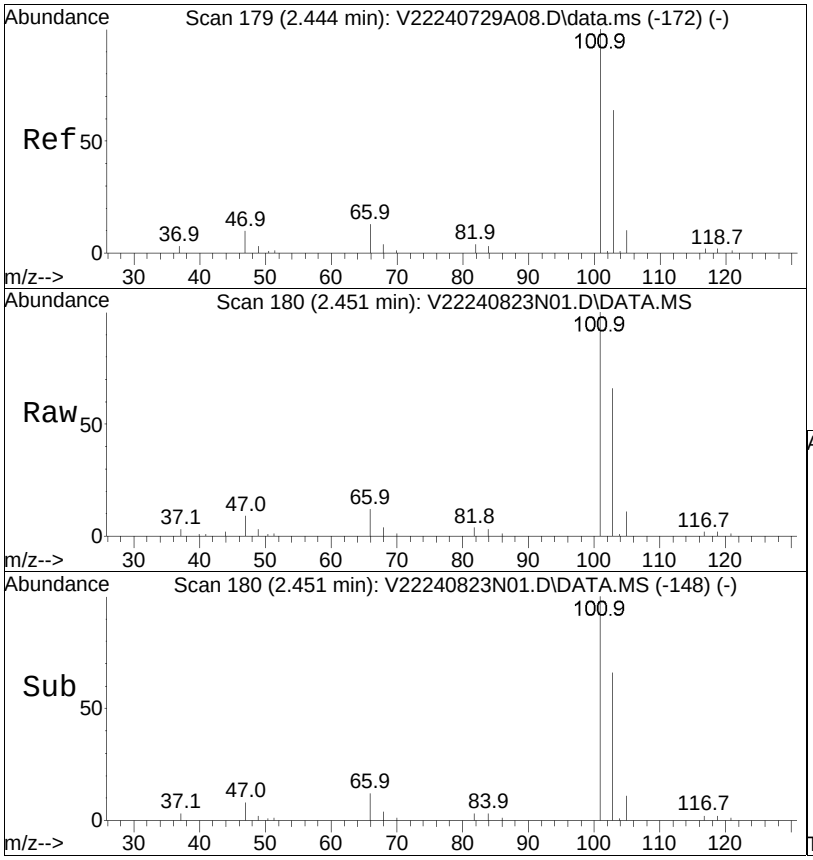


#6
Chloroethane
Concen: 8.24 ug/L
RT: 2.307 min Scan# 158
Delta R.T. 0.001 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 64 Resp: 42530

Ion	Ratio	Lower	Upper
64	100		
66	31.3	12.2	52.2

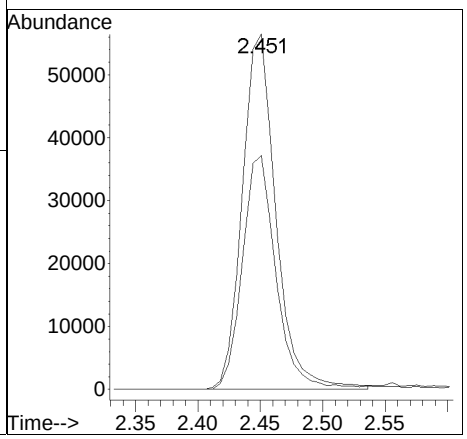


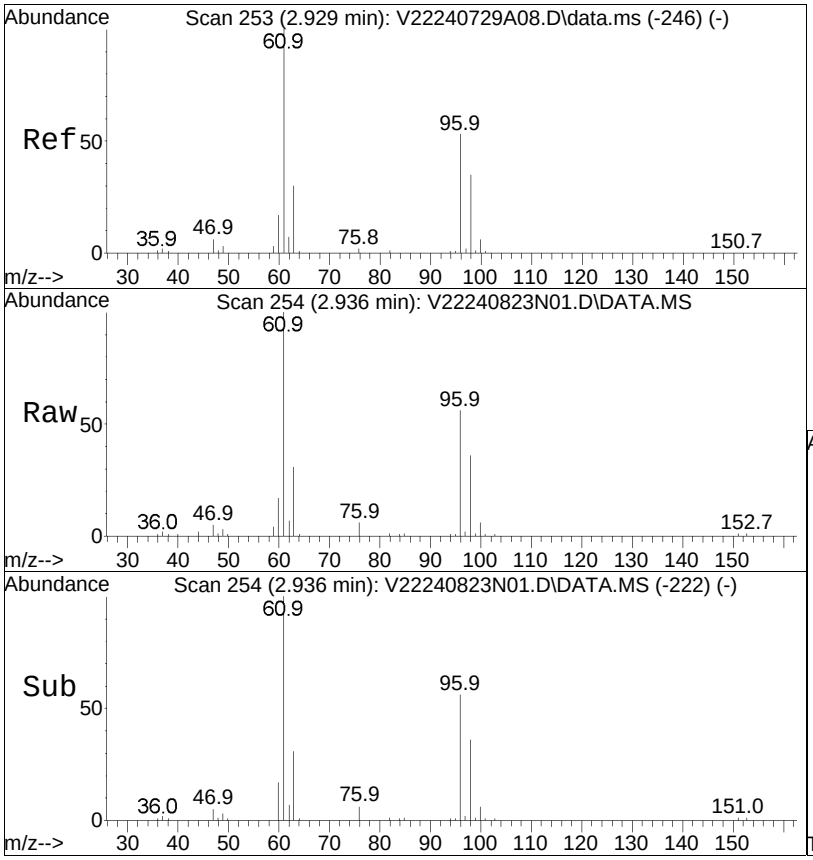


#7
Trichlorofluoromethane
Concen: 10.37 ug/L
RT: 2.451 min Scan# 180
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:101 Resp: 106080

Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.6	77.4

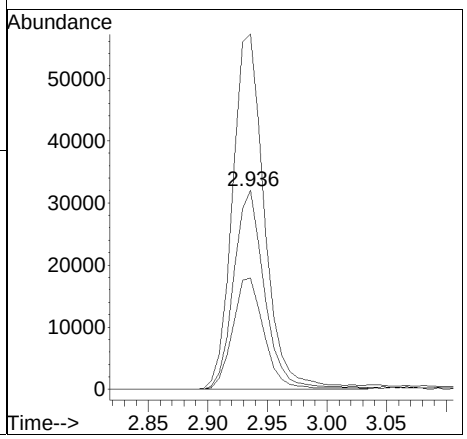


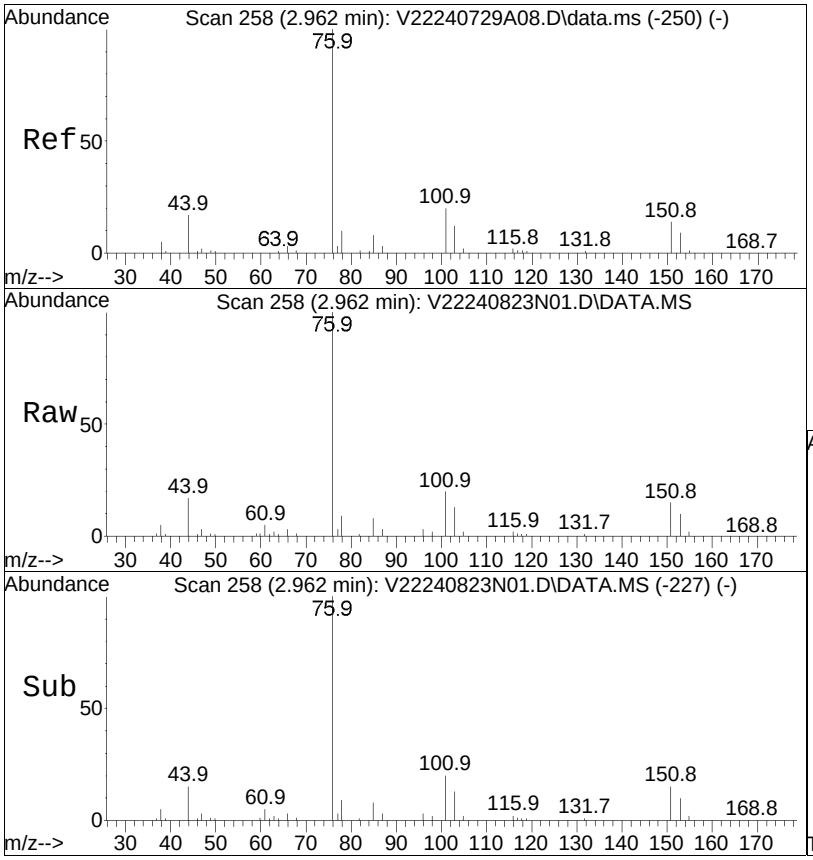


#10
1,1-Dichloroethene
Concen: 9.79 ug/L
RT: 2.936 min Scan# 254
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 96 Resp: 58032

Ion	Ratio	Lower	Upper
96	100		
61	184.4	117.0	175.4#
63	57.3	37.8	56.6#

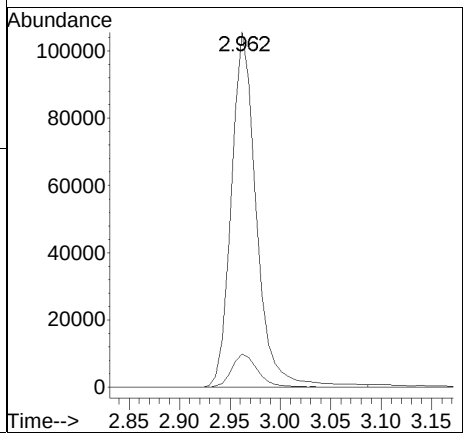


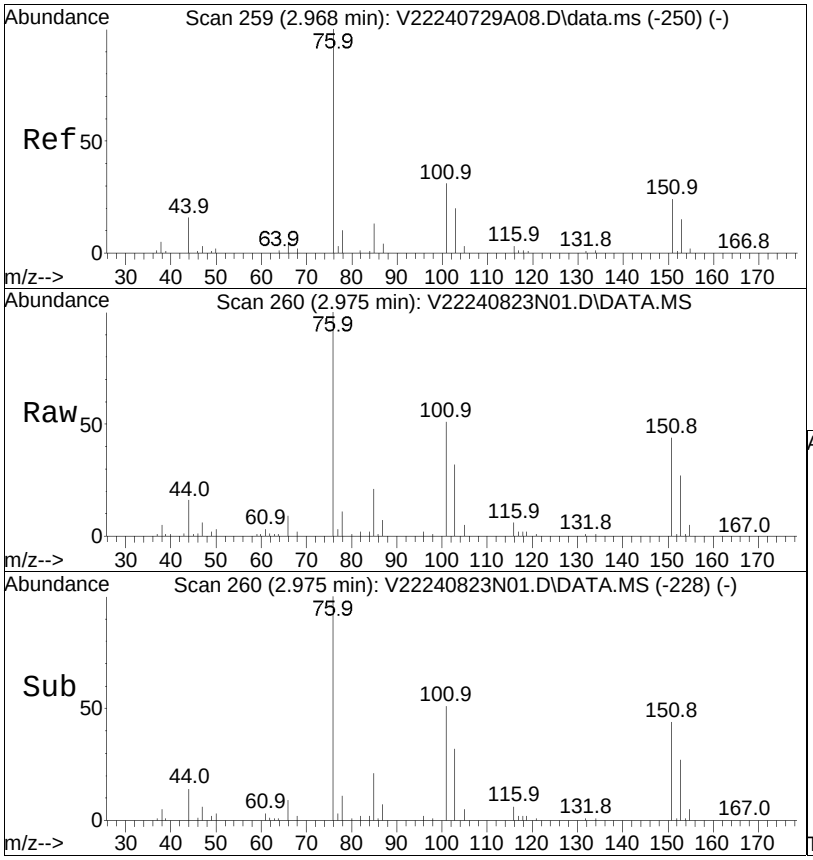


#11
Carbon disulfide
Concen: 9.43 ug/L
RT: 2.962 min Scan# 258
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 76 Resp: 183538

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

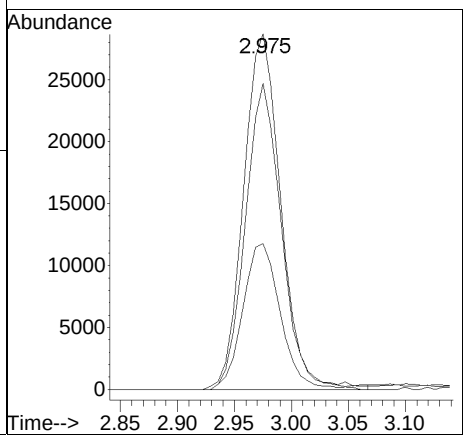


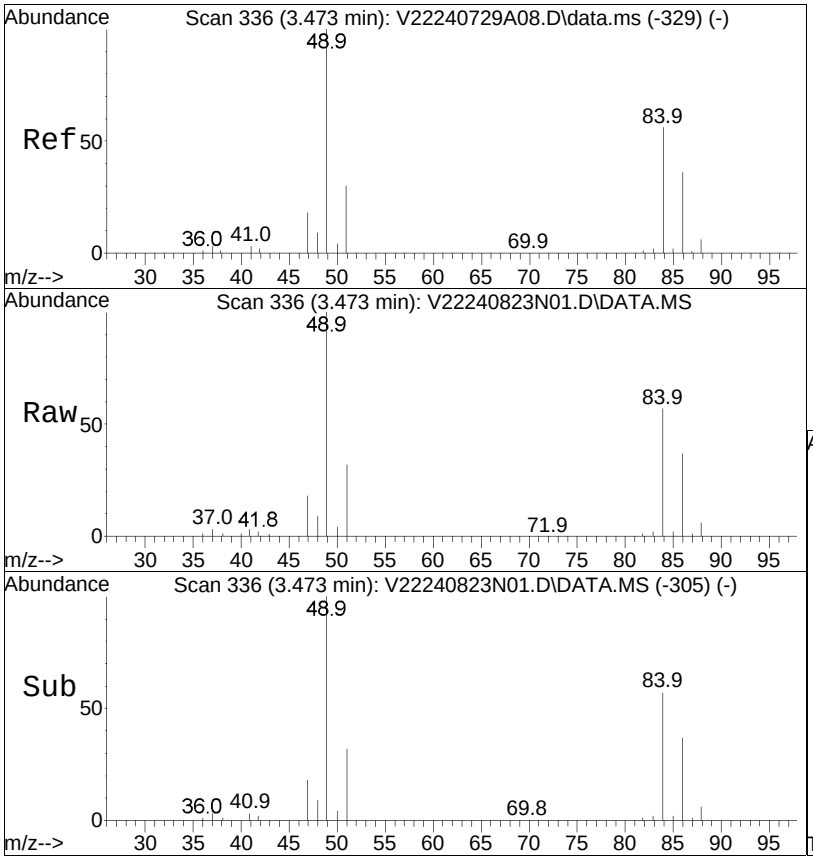


#12
Freon-113
Concen: 10.63 ug/L
RT: 2.975 min Scan# 260
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:101 Resp: 65146

Ion	Ratio	Lower	Upper
101	100		
151	83.1	68.5	102.7
85	41.4	33.1	49.7

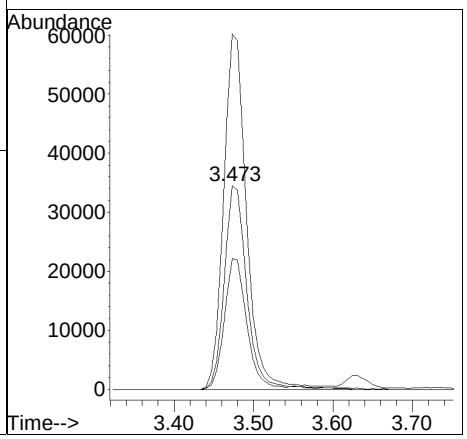


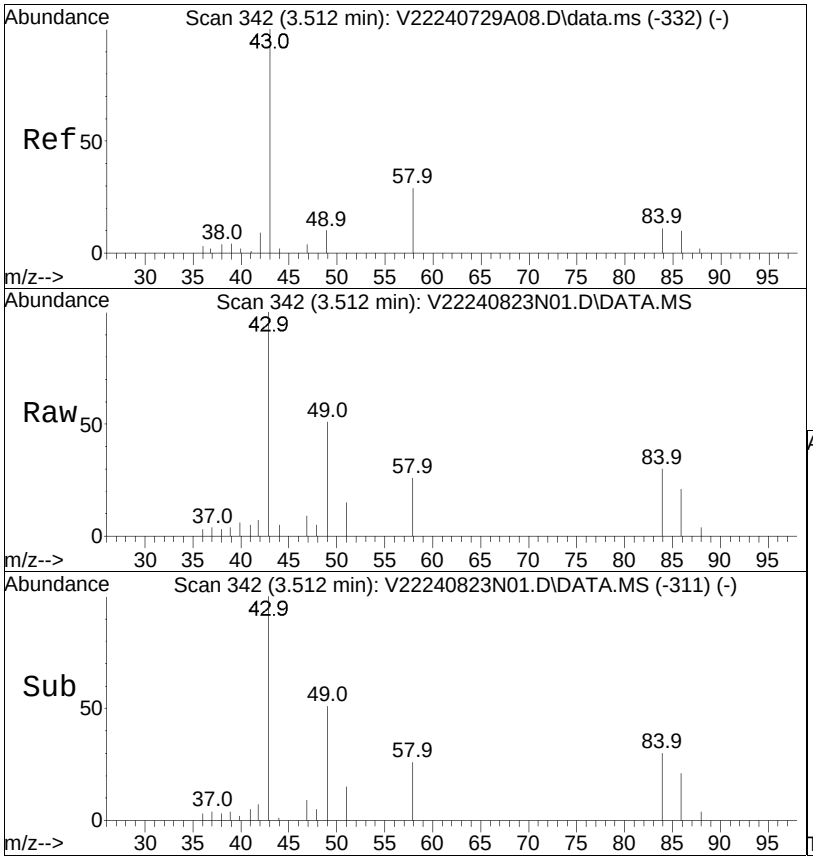


#15
Methylene chloride
Concen: 8.76 ug/L
RT: 3.473 min Scan# 336
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 84 Resp: 68826

Ion	Ratio	Lower	Upper
84	100		
86	63.2	41.5	86.3
49	175.4	68.8	143.0#

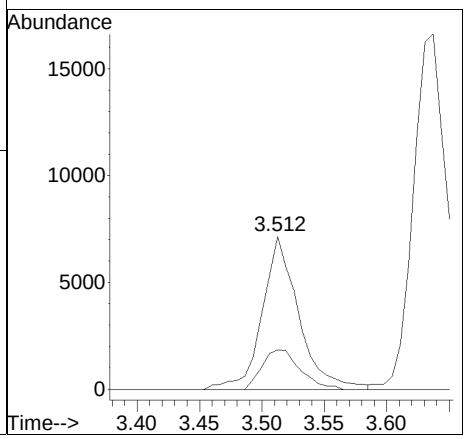


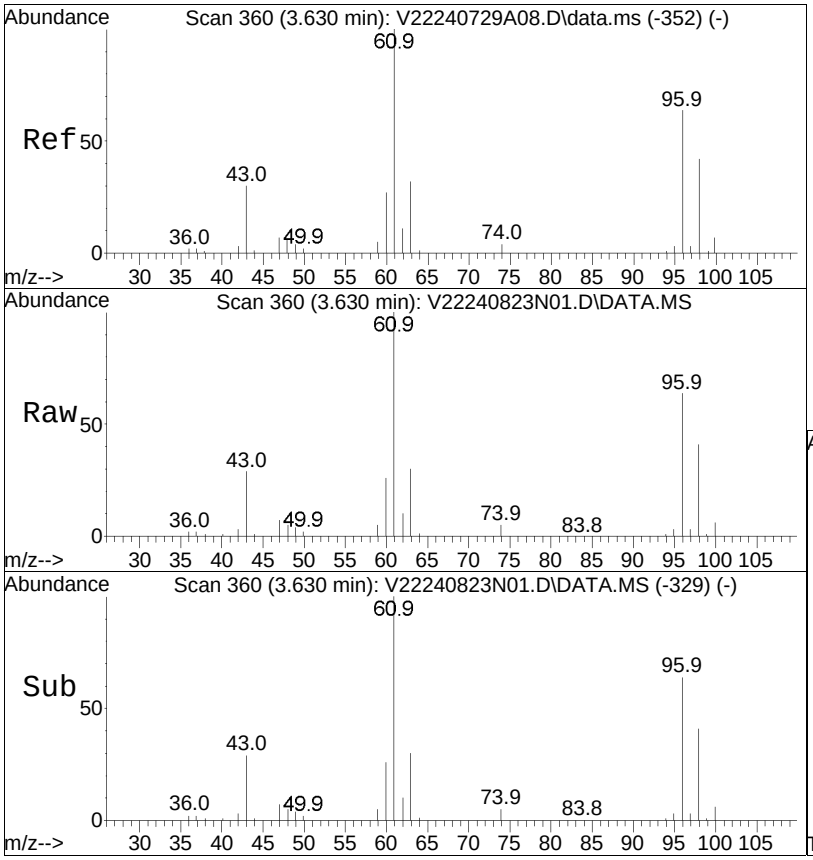


#17
Acetone
Concen: 10.19 ug/L
RT: 3.512 min Scan# 342
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 43 Resp: 14601

Ion	Ratio	Lower	Upper
43	100		
58	27.1	23.1	34.7

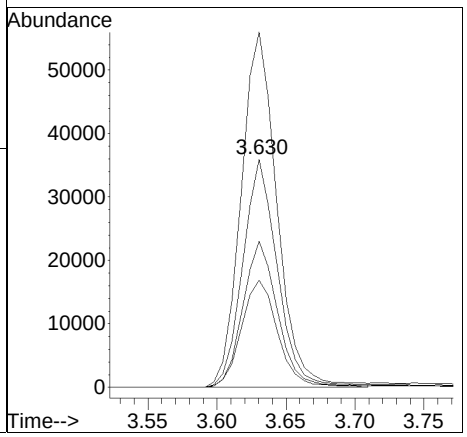


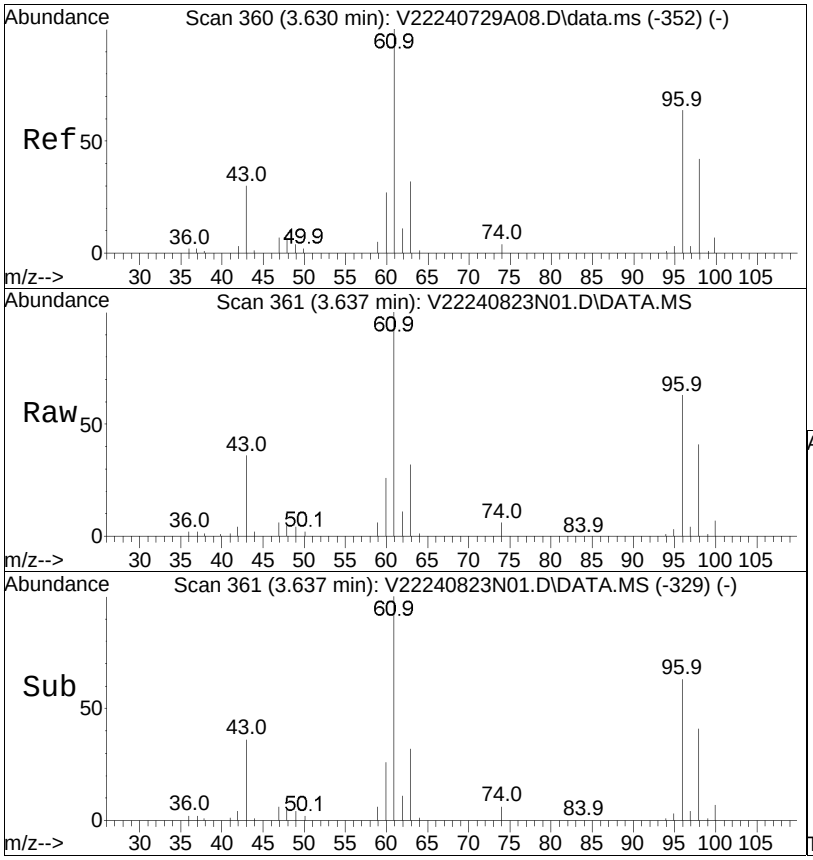


#18
trans-1,2-Dichloroethene
Concen: 9.10 ug/L
RT: 3.630 min Scan# 360
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 96 Resp: 63080

Ion	Ratio	Lower	Upper
96	100		
61	162.4	81.6	169.6
98	64.6	41.8	86.8
63	49.1	26.3	54.7

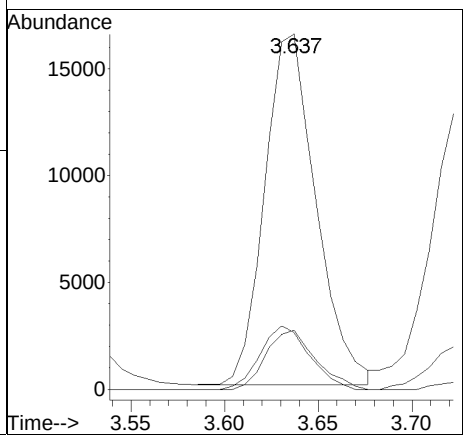


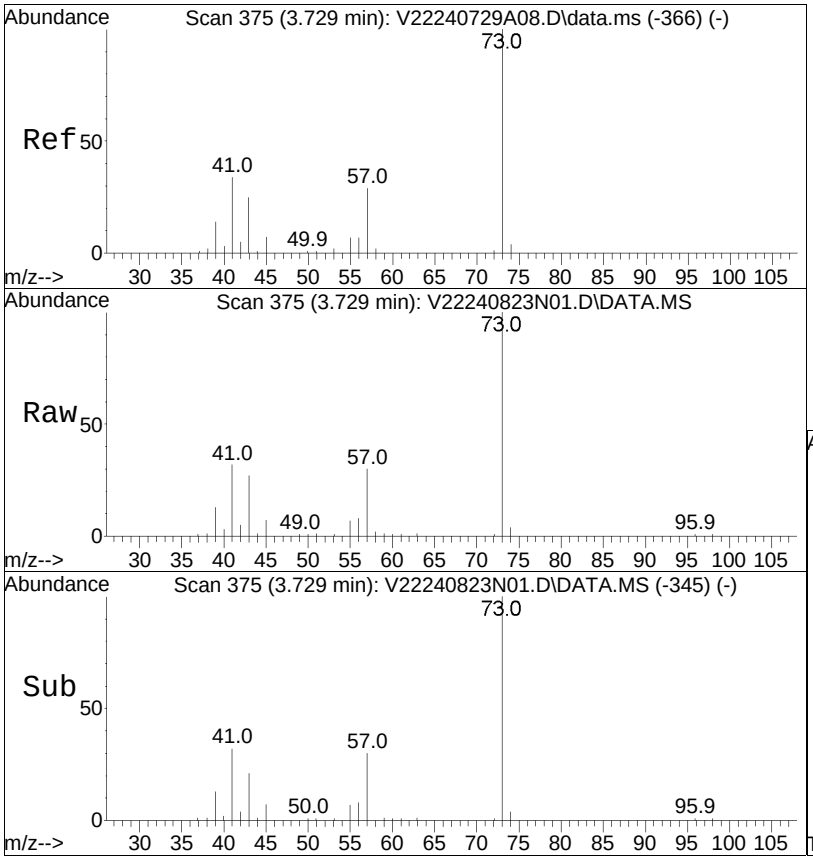


#19
Methyl acetate
Concen: 8.48 ug/L
RT: 3.637 min Scan# 361
Delta R.T. 0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 43 Resp: 31272

Ion	Ratio	Lower	Upper
43	100		
74	16.3	21.8	32.6#
59	17.3	18.1	27.1#

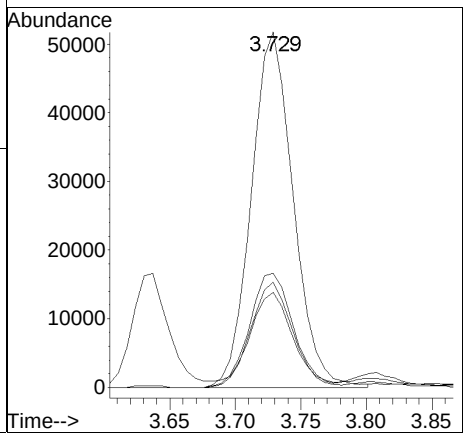


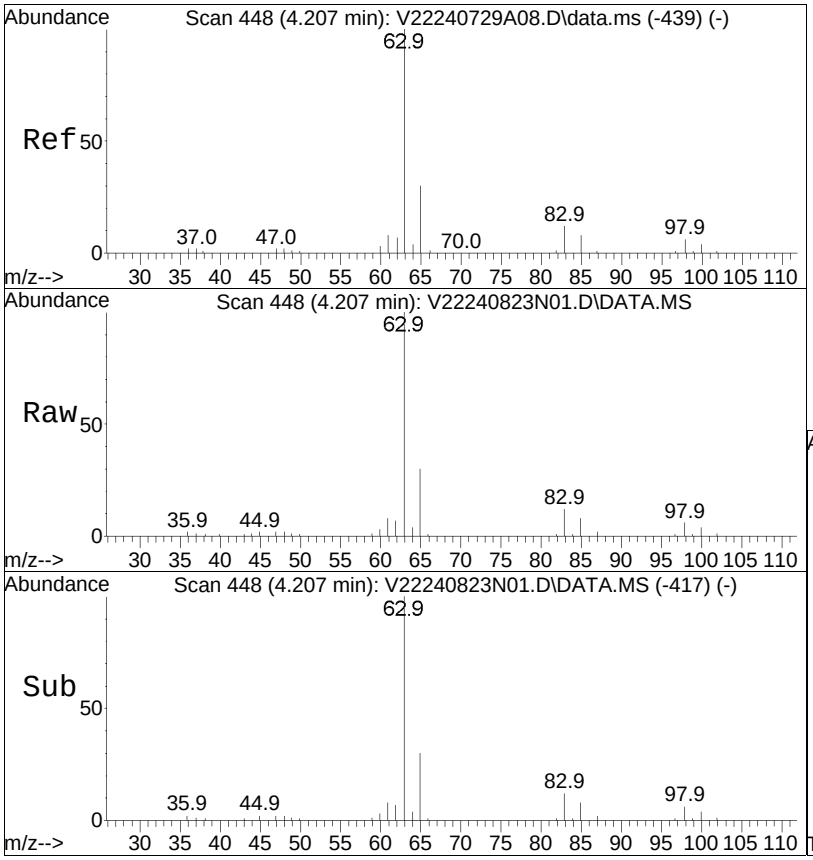


#21
Methyl tert-butyl ether
Concen: 8.68 ug/L
RT: 3.729 min Scan# 375
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 73 Resp: 115141

Ion	Ratio	Lower	Upper
73	100		
57	29.7	13.6	28.2#
43	26.5	12.7	26.5#
41	33.6	11.4	23.8#

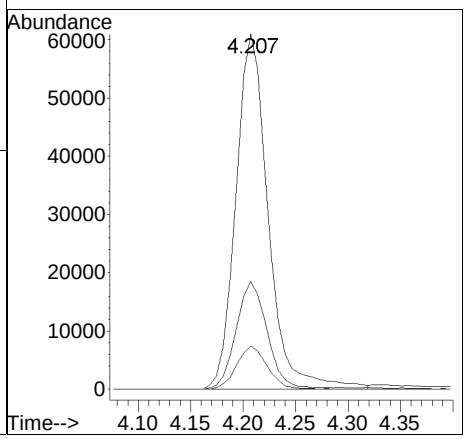


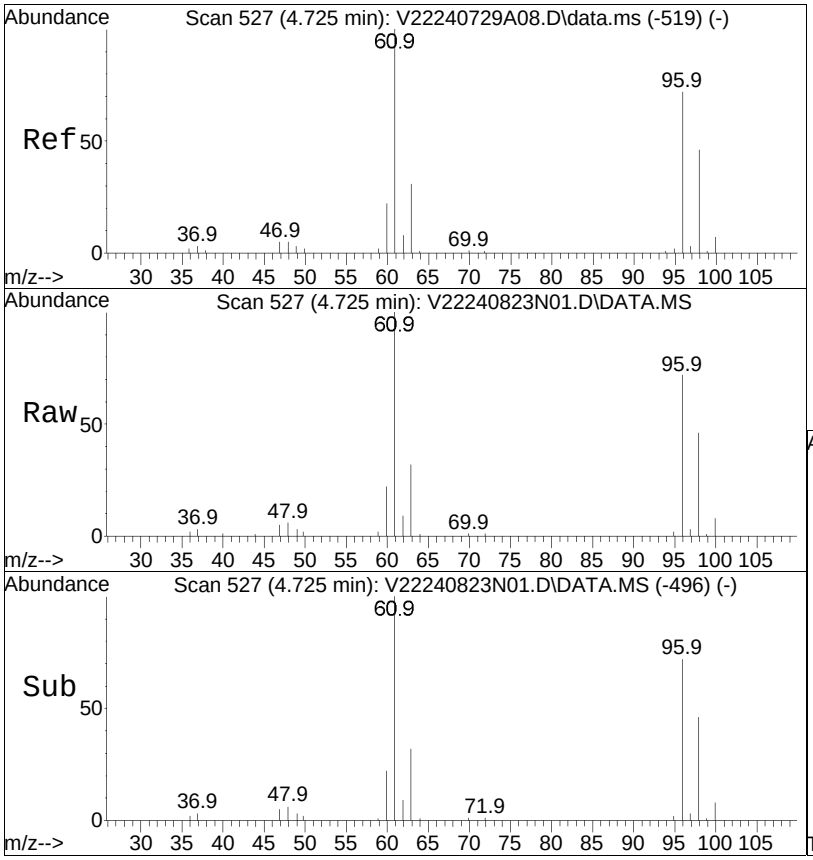


#25
1,1-Dichloroethane
Concen: 9.29 ug/L
RT: 4.207 min Scan# 448
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 63 Resp: 131532

Ion	Ratio	Lower	Upper
63	100		
65	29.3	11.9	51.9
83	11.6	0.0	34.2

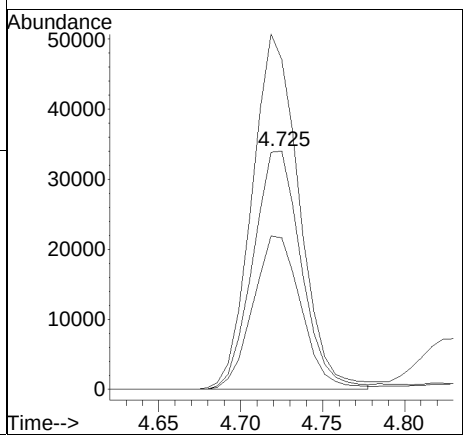


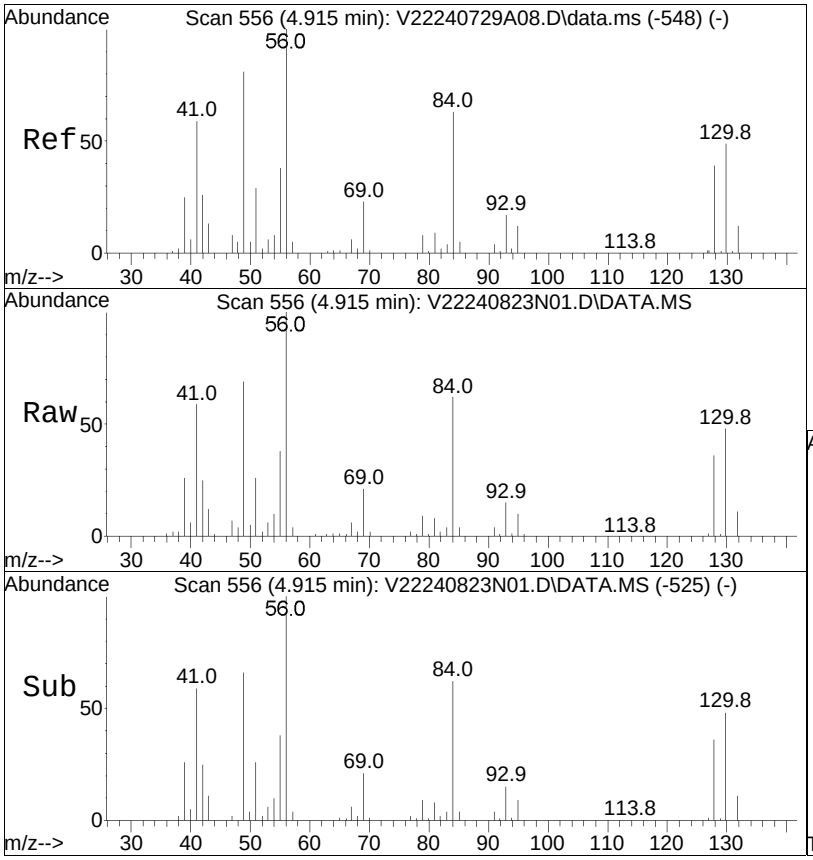


#30
cis-1,2-Dichloroethene
Concen: 9.07 ug/L
RT: 4.725 min Scan# 527
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 96 Resp: 69684

Ion	Ratio	Lower	Upper
96	100		
61	146.4	90.3	135.5#
98	64.4	50.8	76.2

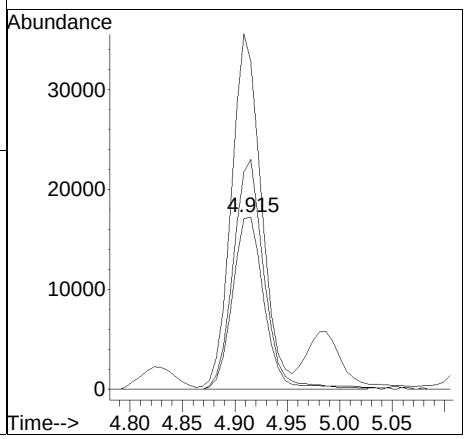


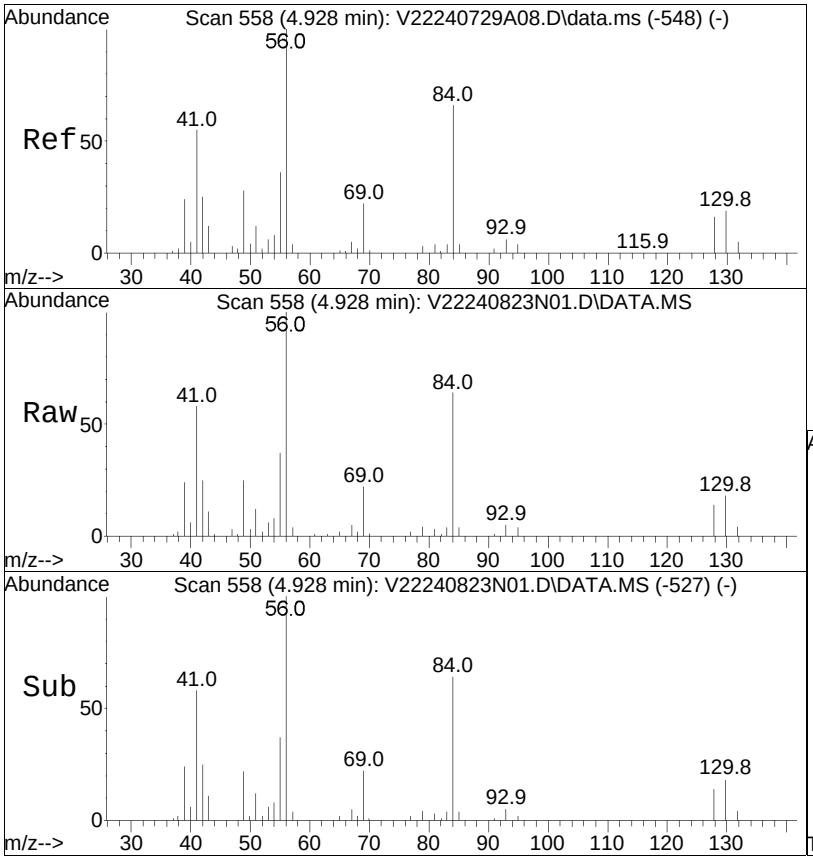


#32
Bromochloromethane
Concen: 10.09 ug/L
RT: 4.915 min Scan# 556
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:128 Resp: 36582

Ion	Ratio	Lower	Upper
128	100		
49	192.3	104.4	156.6#
130	129.7	103.9	155.9

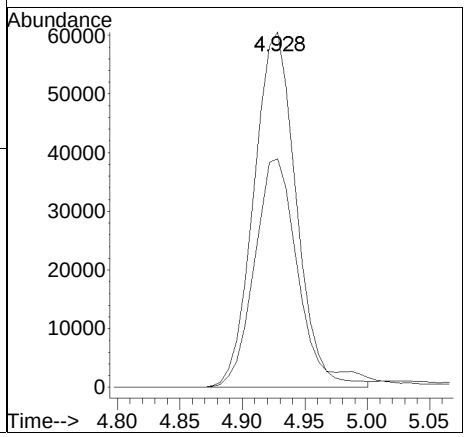


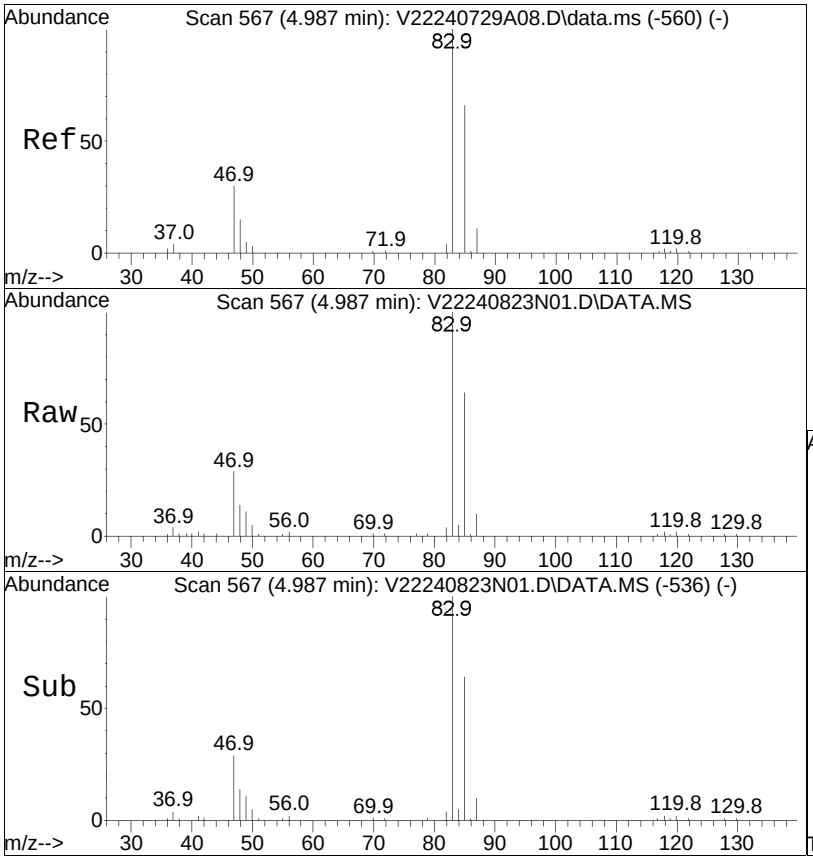


#33
Cyclohexane
Concen: 10.06 ug/L
RT: 4.928 min Scan# 558
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 56 Resp: 142762

Ion	Ratio	Lower	Upper
56	100		
84	69.5	66.0	137.2

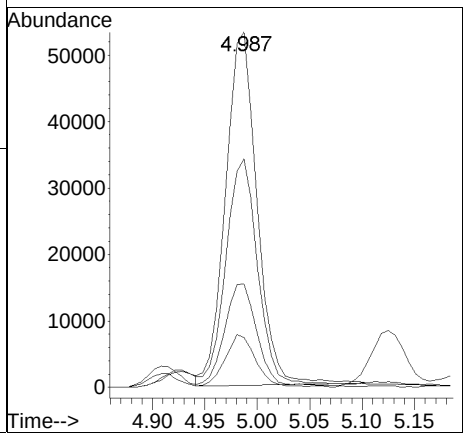


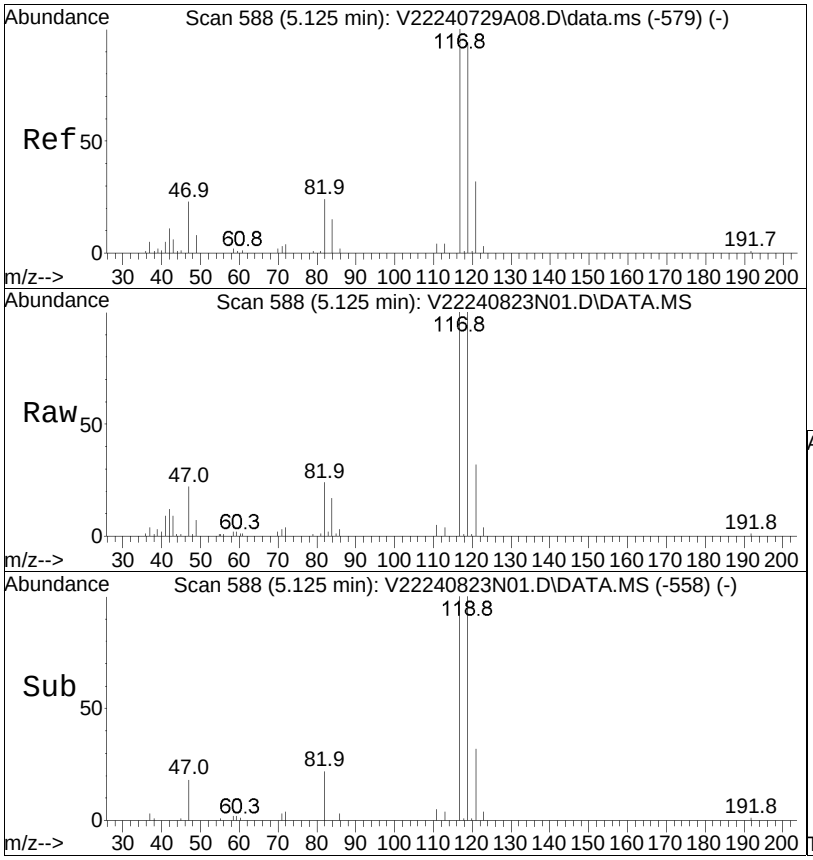


#34
Chloroform
Concen: 9.10 ug/L
RT: 4.987 min Scan# 567
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 83 Resp: 111573

Ion	Ratio	Lower	Upper
83	100		
85	64.5	42.4	88.2
47	28.9	14.0	29.0
48	14.7	6.9	14.3#

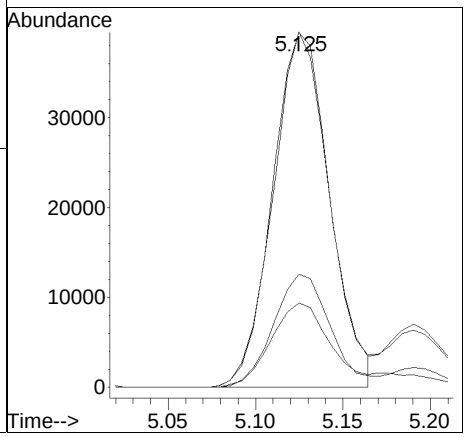


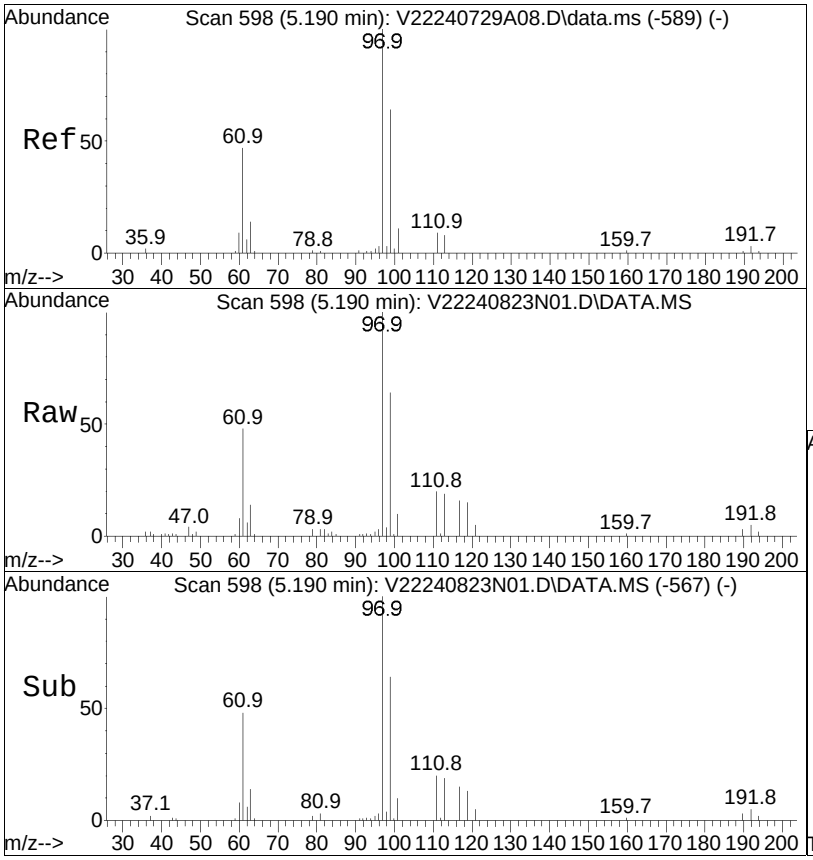


#36
Carbon tetrachloride
Concen: 10.19 ug/L
RT: 5.125 min Scan# 588
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:117 Resp: 90114

Ion	Ratio	Lower	Upper
117	100		
119	97.9	62.1	129.1
121	32.0	20.3	42.3
82	29.0	15.4	32.0

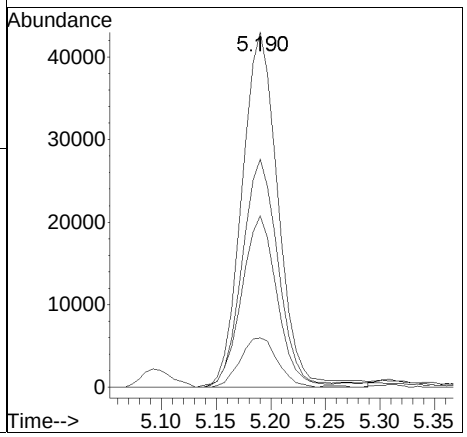


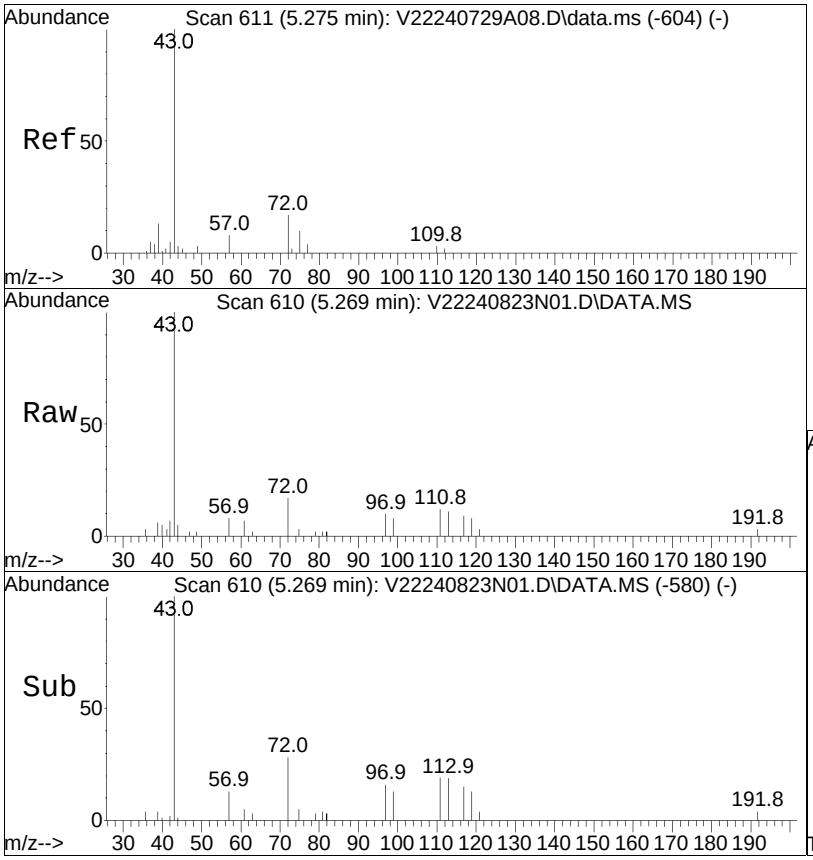


#39
1,1,1-Trichloroethane
Concen: 9.67 ug/L
RT: 5.190 min Scan# 598
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 97 Resp: 99941

Ion	Ratio	Lower	Upper
97	100		
99	63.4	42.4	88.0
61	47.5	26.0	54.0
63	14.4	8.3	17.3

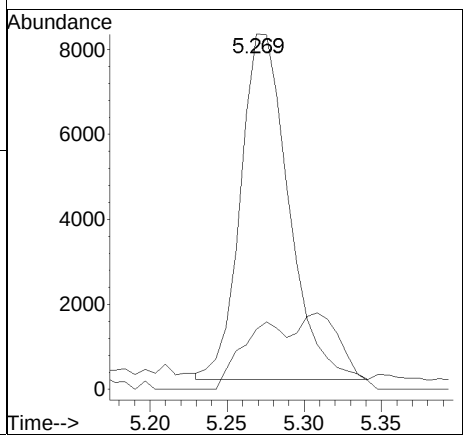


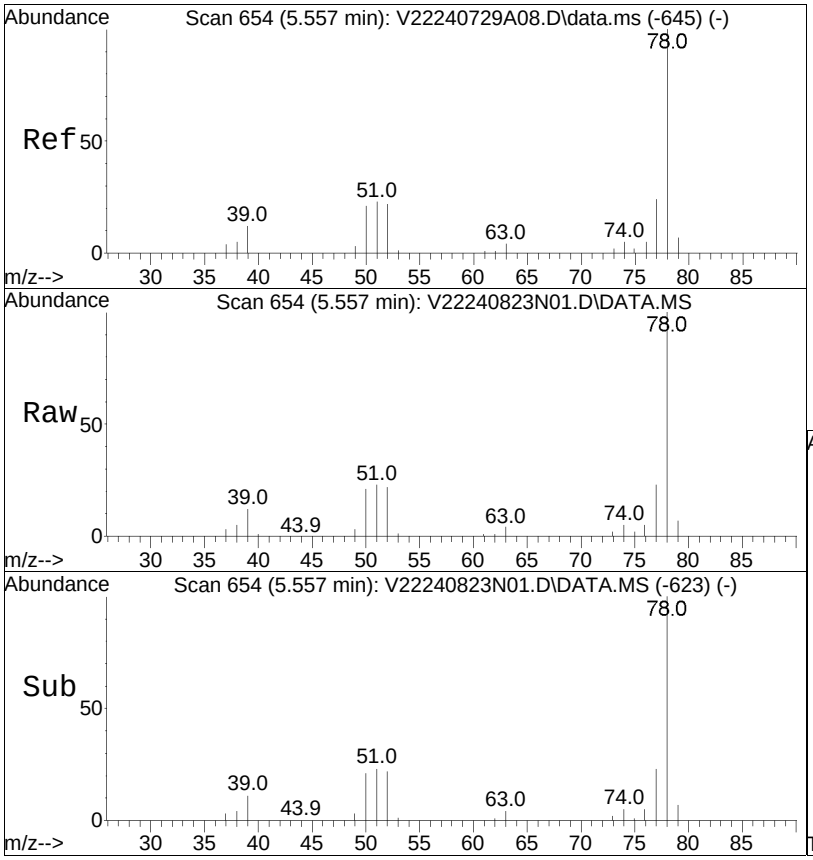


#41
2-Butanone
Concen: 8.75 ug/L
RT: 5.269 min Scan# 610
Delta R.T. -0.006 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 43 Resp: 17620

Ion	Ratio	Lower	Upper
43	100		
72	18.1	45.8	68.8#

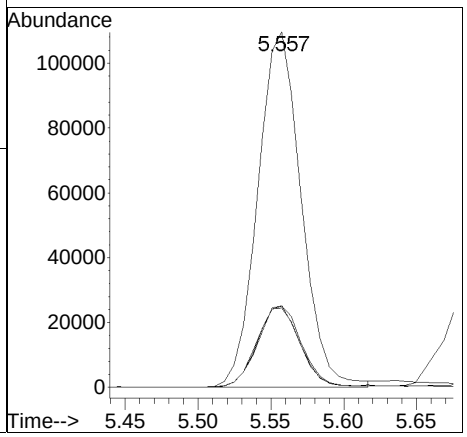


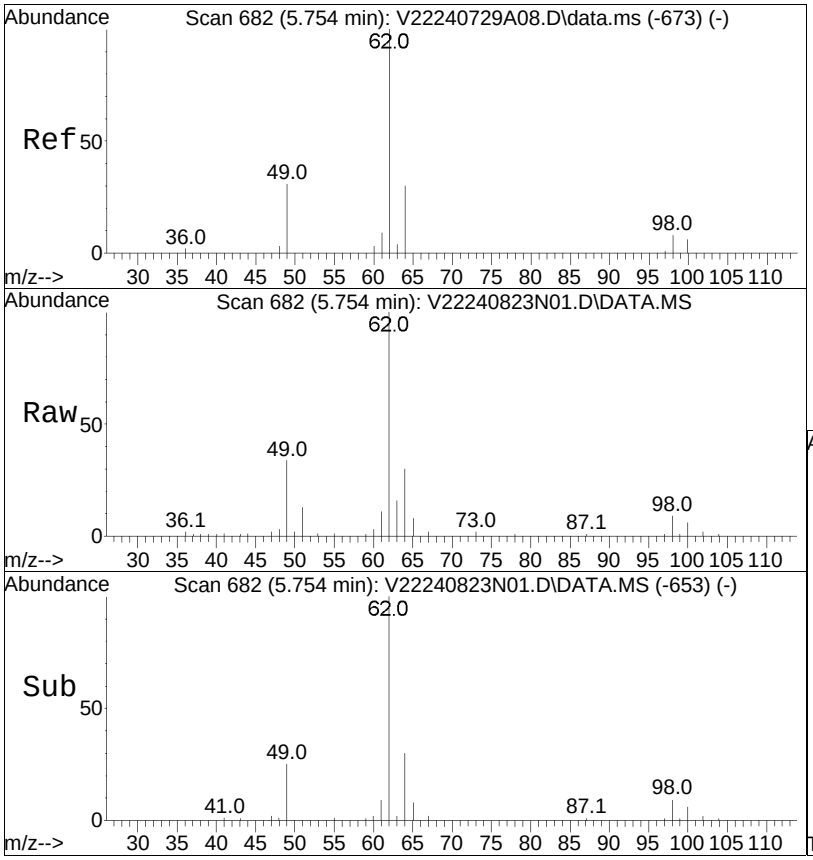


#44
Benzene
Concen: 8.36 ug/L
RT: 5.557 min Scan# 654
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 78 Resp: 226988

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.4	32.0
51	22.7	9.8	20.4#
52	22.8	9.2	19.2#

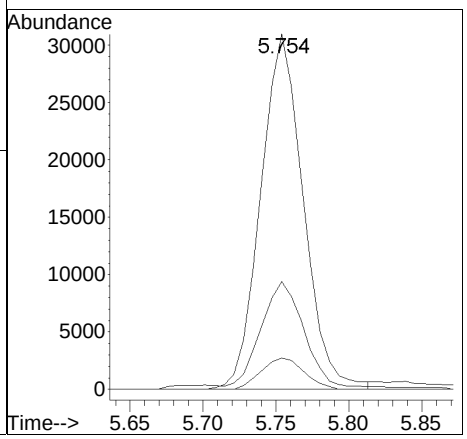


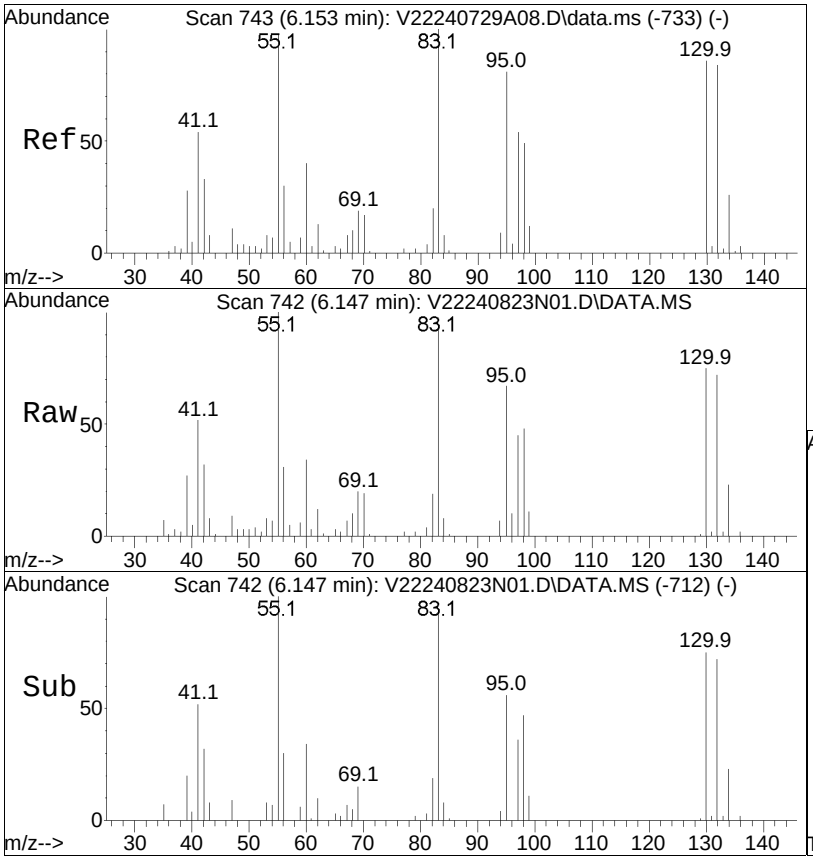


#47
1,2-Dichloroethane
Concen: 9.29 ug/L
RT: 5.754 min Scan# 682
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 62 Resp: 63015

Ion	Ratio	Lower	Upper
62	100		
64	32.1	12.3	52.3
98	8.9	0.0	30.3

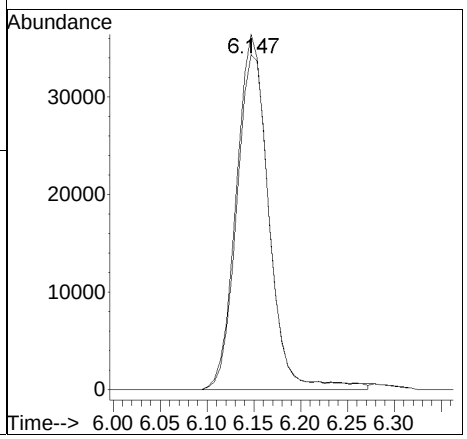


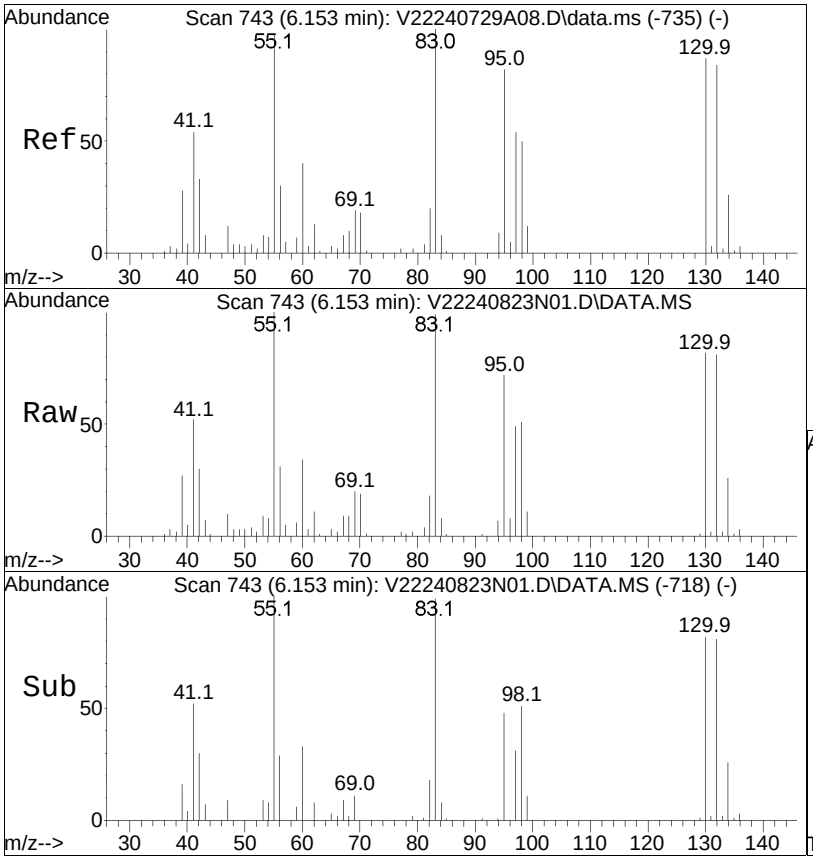


#50
Methyl cyclohexane
Concen: 9.57 ug/L
RT: 6.147 min Scan# 742
Delta R.T. -0.006 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 83 Resp: 83638

Ion	Ratio	Lower	Upper
83	100		
55	102.1	55.4	83.2#

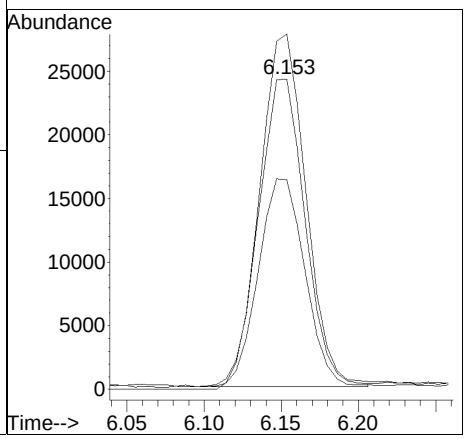


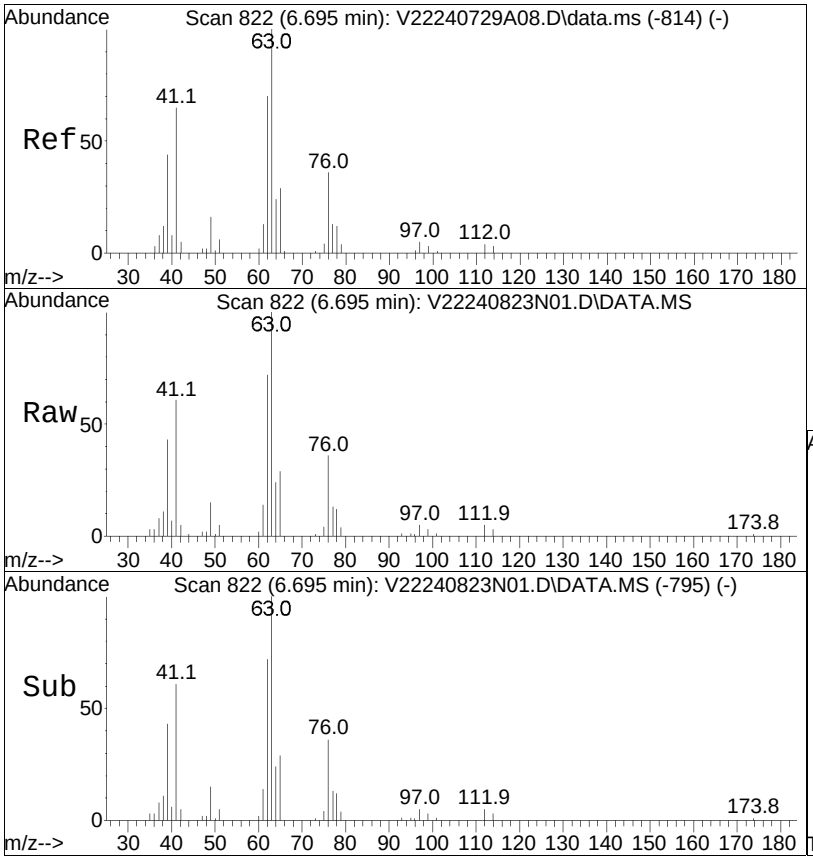


#51
Trichloroethene
Concen: 8.79 ug/L
RT: 6.153 min Scan# 743
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 95 Resp: 50723

Ion	Ratio	Lower	Upper
95	100		
97	68.1	55.0	82.4
130	118.2	89.2	133.8

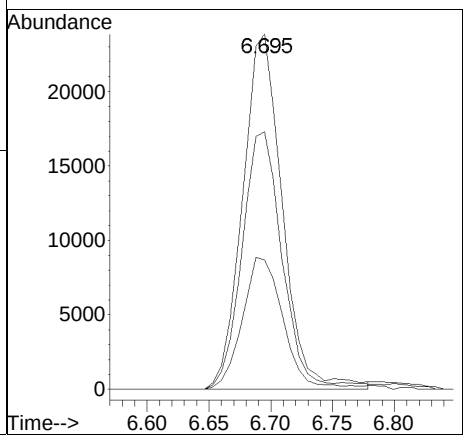


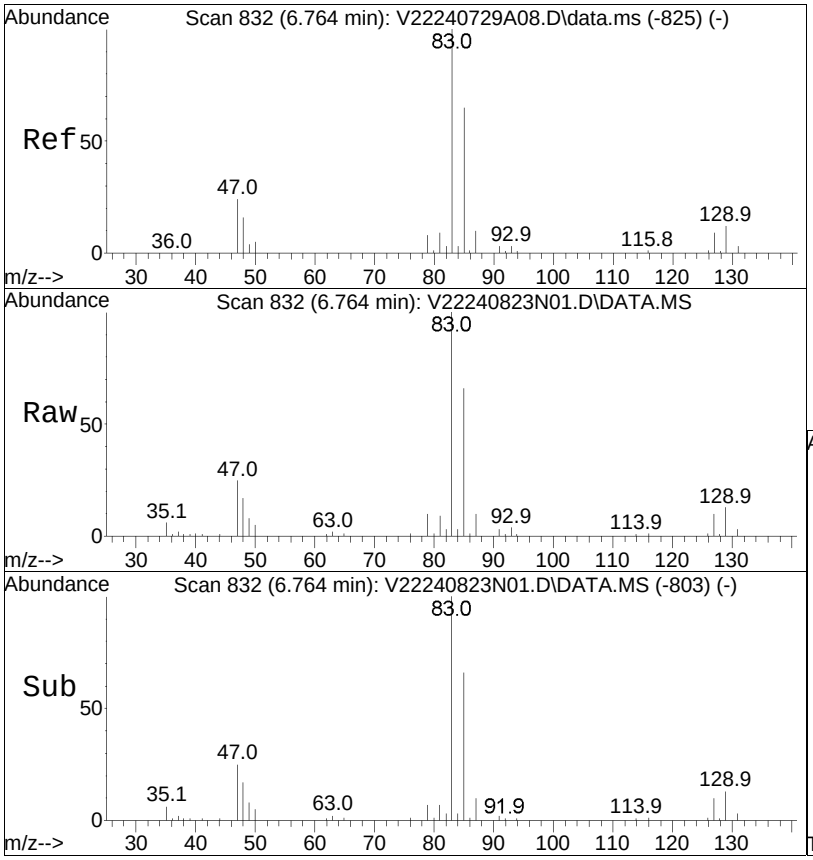


#54
1,2-Dichloropropane
Concen: 8.83 ug/L
RT: 6.695 min Scan# 822
Delta R.T. -0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 63 Resp: 53482

Ion	Ratio	Lower	Upper
63	100		
62	72.1	56.9	85.3
76	38.2	35.8	53.8

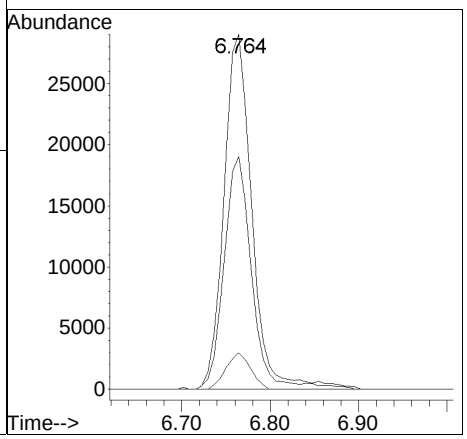


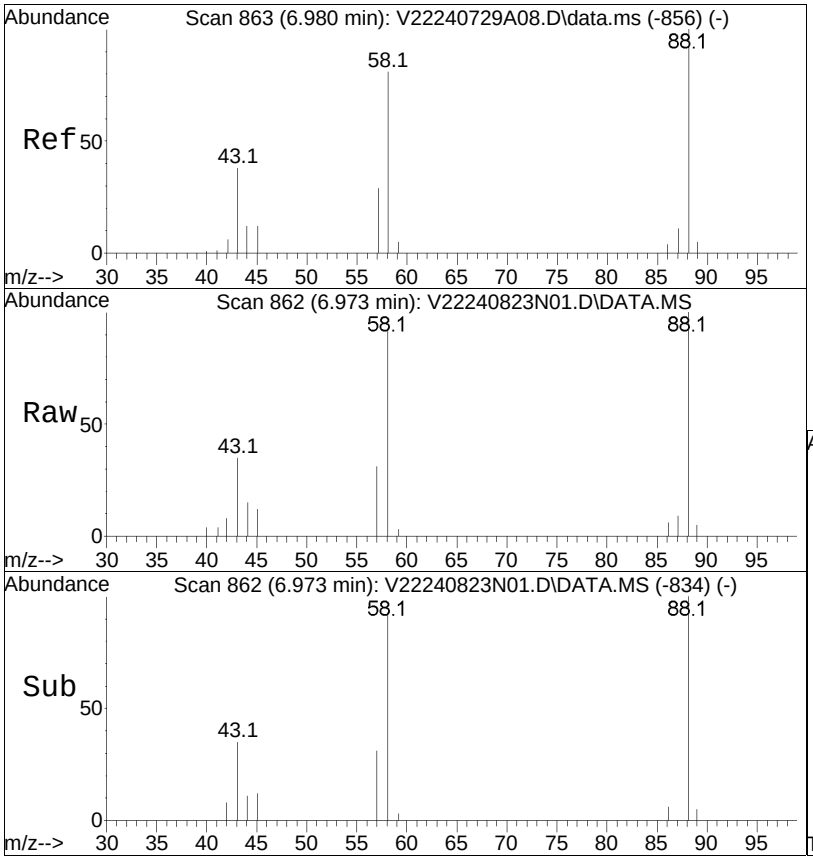


#57
Bromodichloromethane
Concen: 9.01 ug/L
RT: 6.764 min Scan# 832
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 83 Resp: 64433

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	9.0	7.4	11.0

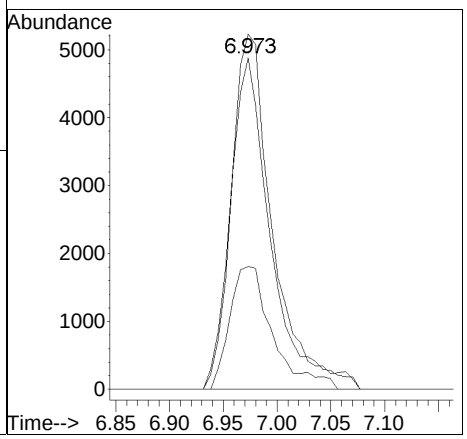


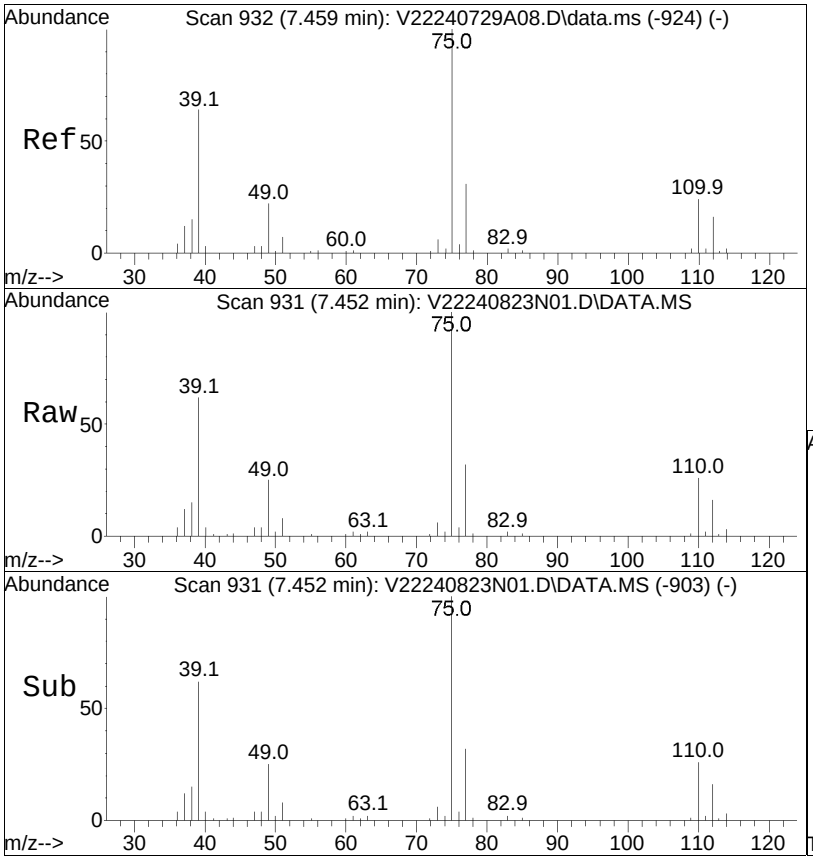


#60
1,4-Dioxane
Concen: 589.89 ug/L
RT: 6.973 min Scan# 862
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 88 Resp: 14103

Ion	Ratio	Lower	Upper
88	100		
58	89.3	43.3	64.9#
43	35.6	15.1	22.7#

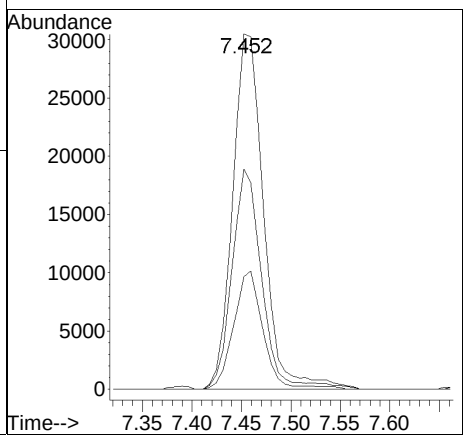


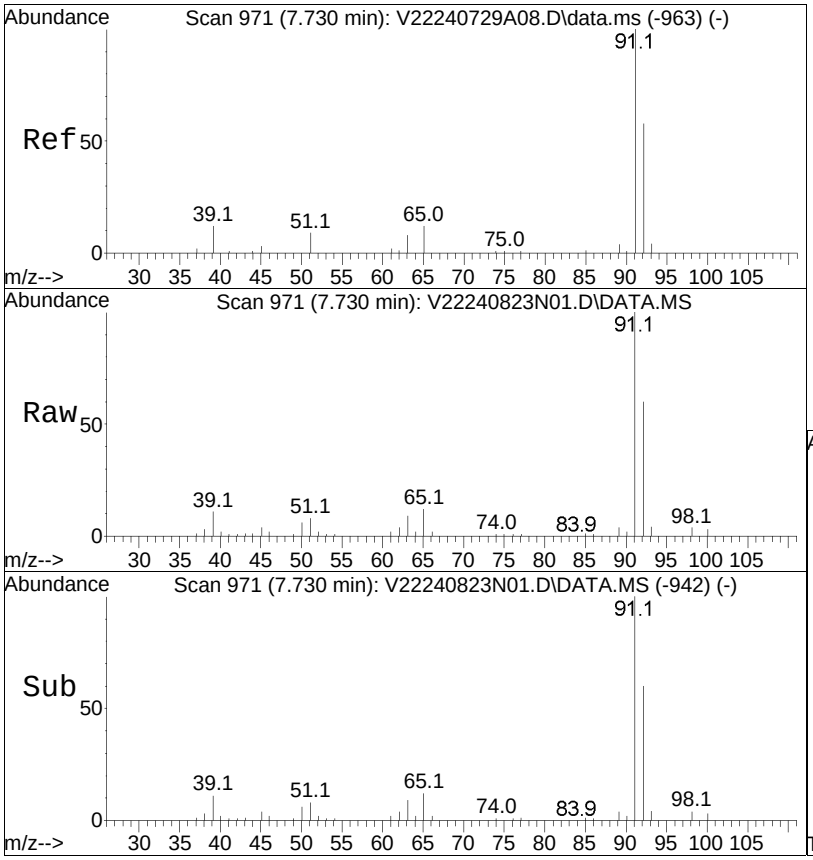


#61
cis-1,3-Dichloropropene
Concen: 9.05 ug/L
RT: 7.452 min Scan# 931
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 75 Resp: 66720

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	59.7	35.4	53.0#

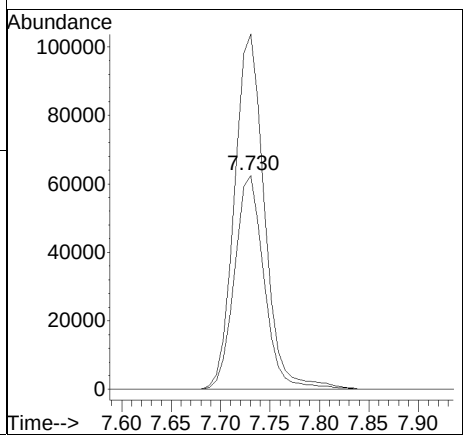


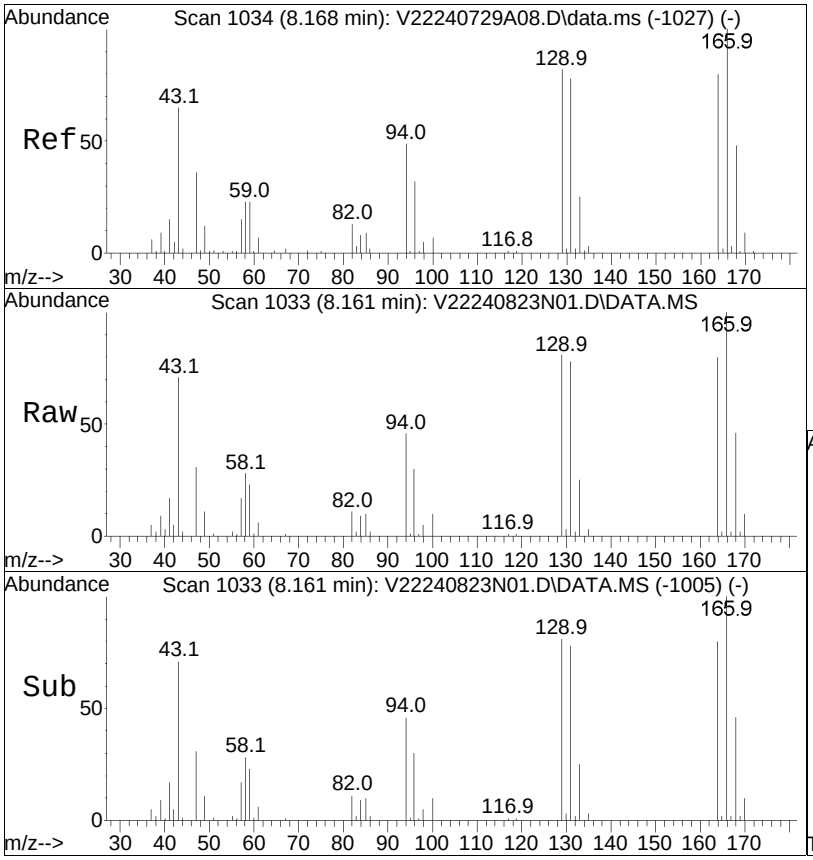


#64
Toluene
Concen: 8.88 ug/L
RT: 7.730 min Scan# 971
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 92 Resp: 130433

Ion	Ratio	Lower	Upper
92	100		
91	168.5	137.0	205.6

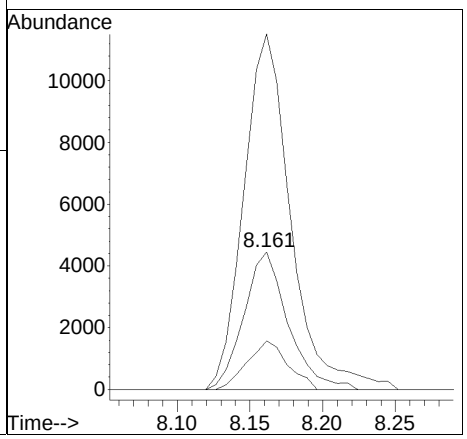


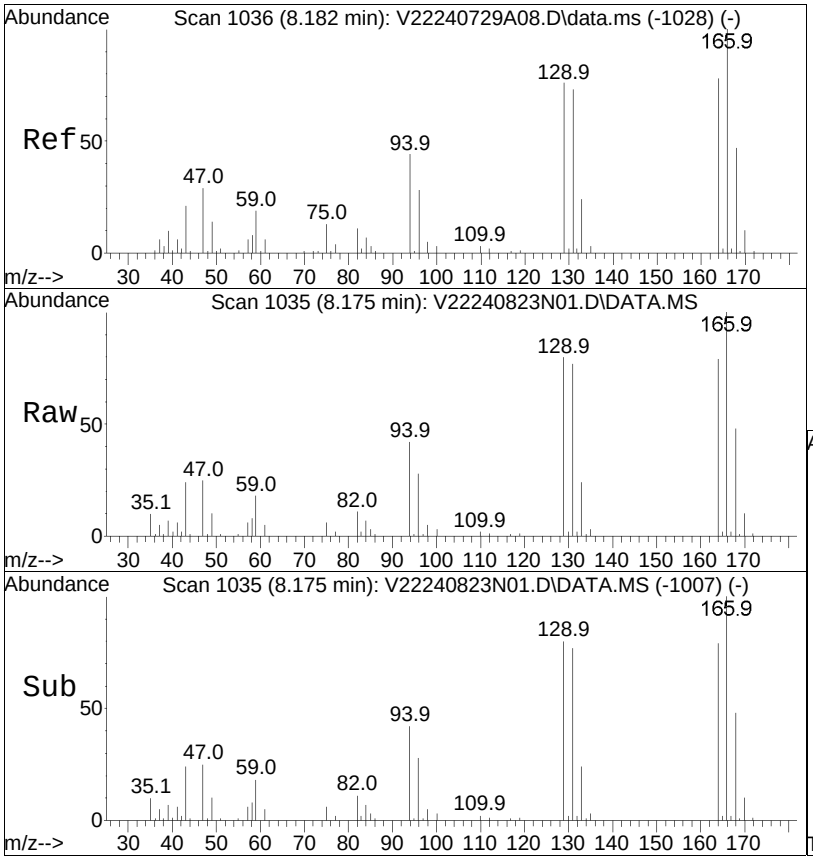


#65
4-Methyl-2-pentanone
Concen: 8.00 ug/L
RT: 8.161 min Scan# 1033
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 58 Resp: 9408

Ion	Ratio	Lower	Upper
58	100		
100	32.5	36.2	54.4#
43	274.4	181.8	272.8#

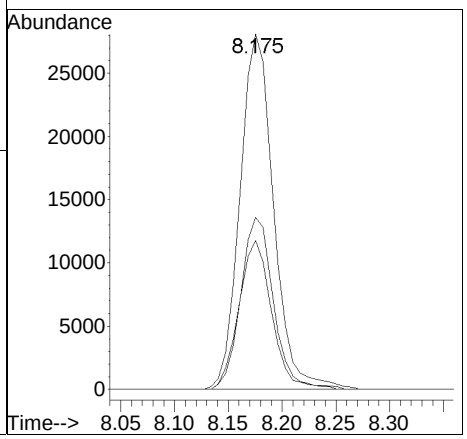


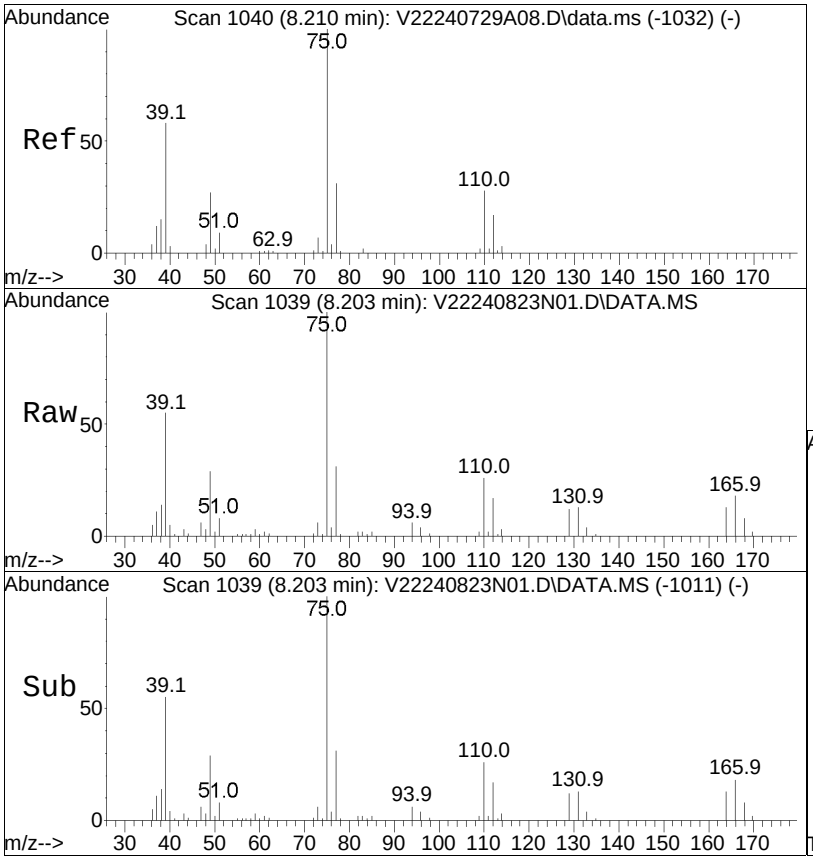


#66
Tetrachloroethene
Concen: 10.64 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:166 Resp: 61285

Ion	Ratio	Lower	Upper
166	100		
168	47.2	27.8	67.8
94	40.9	16.7	56.7

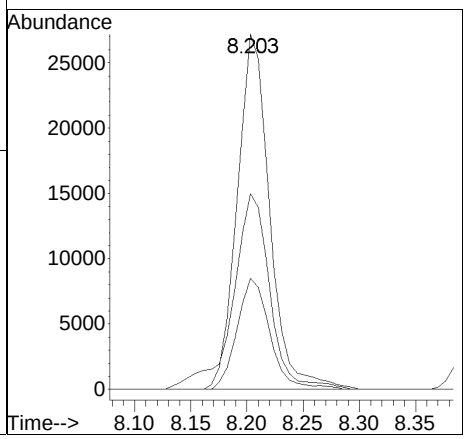


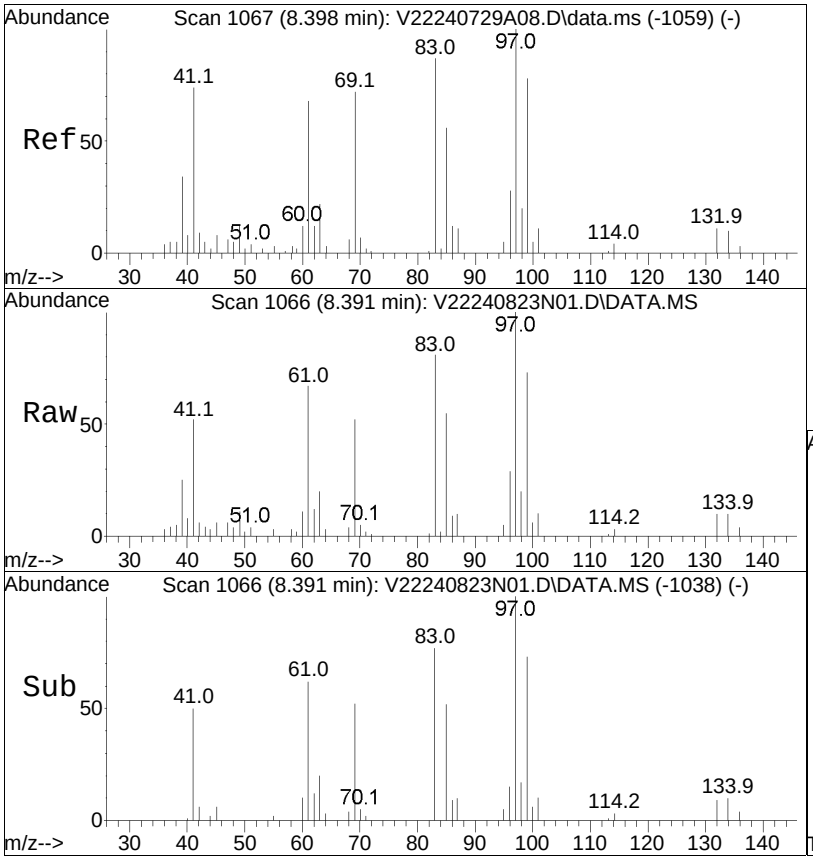


#68
trans-1,3-Dichloropropene
Concen: 7.57 ug/L
RT: 8.203 min Scan# 1039
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 75 Resp: 54754

Ion	Ratio	Lower	Upper
75	100		
77	31.7	11.9	51.9
39	62.8	27.4	67.4

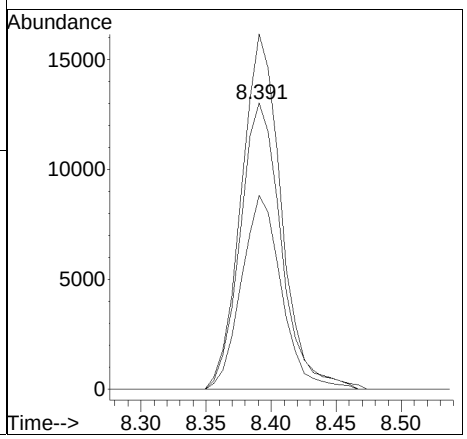


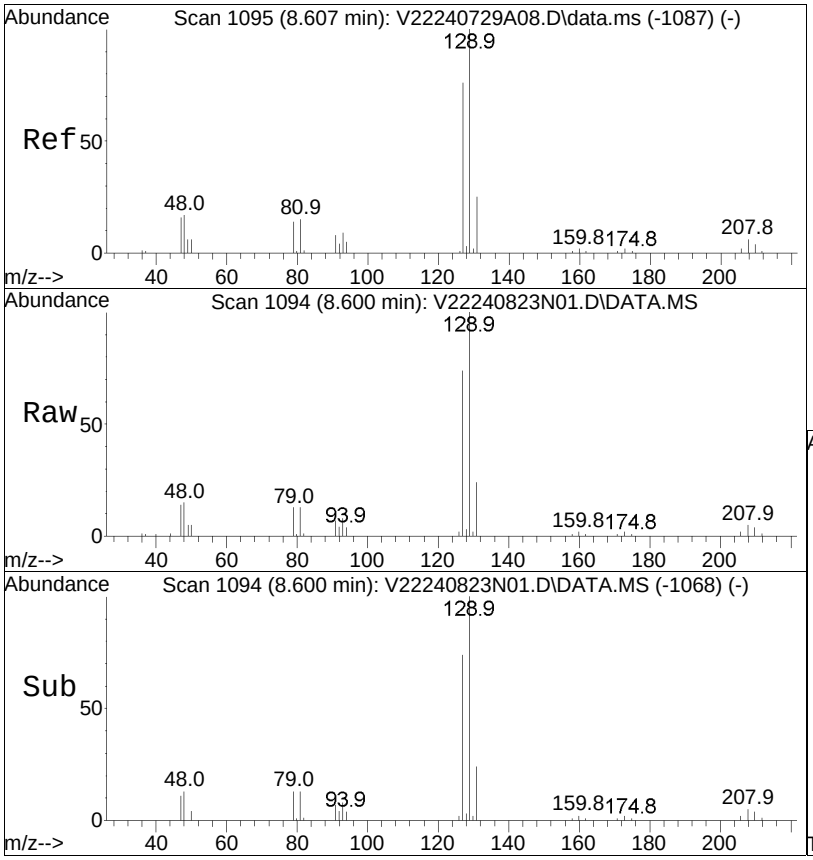


#71
1,1,2-Trichloroethane
Concen: 8.30 ug/L
RT: 8.391 min Scan# 1066
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 83 Resp: 28637

Ion	Ratio	Lower	Upper
83	100		
97	120.8	103.4	143.4
85	66.2	47.9	87.9

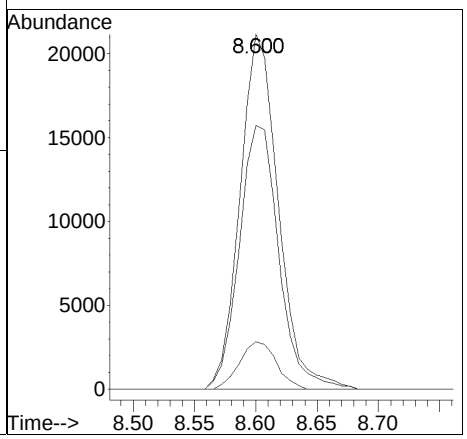


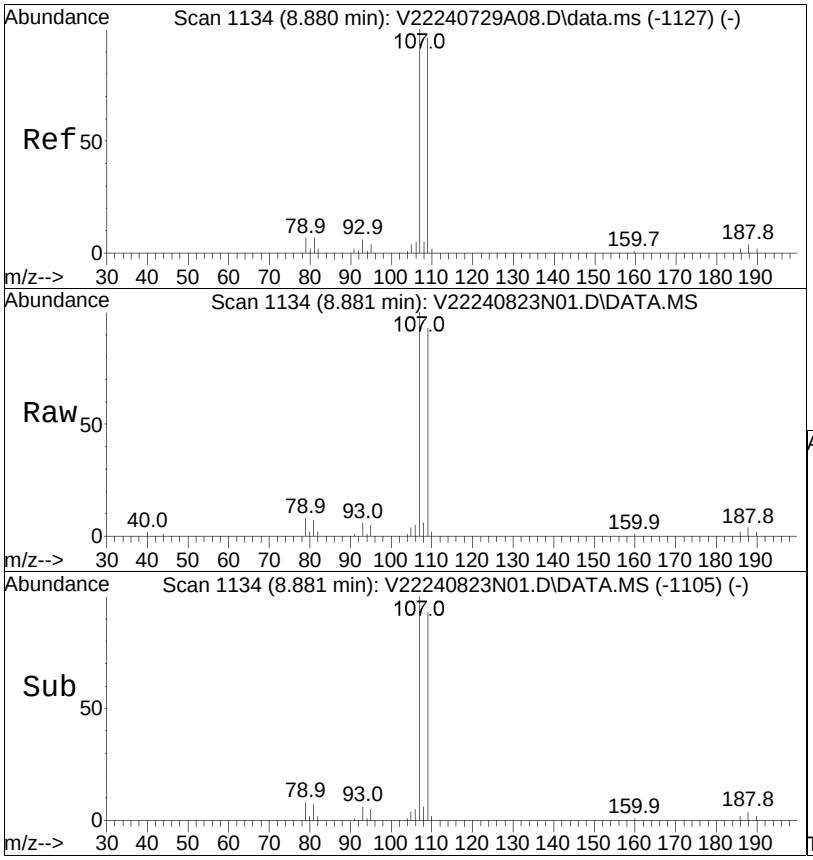


#72
Chlorodibromomethane
Concen: 8.32 ug/L
RT: 8.600 min Scan# 1094
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:129 Resp: 46142

Ion	Ratio	Lower	Upper
129	100		
81	13.0	0.0	33.8
127	76.7	57.1	97.1

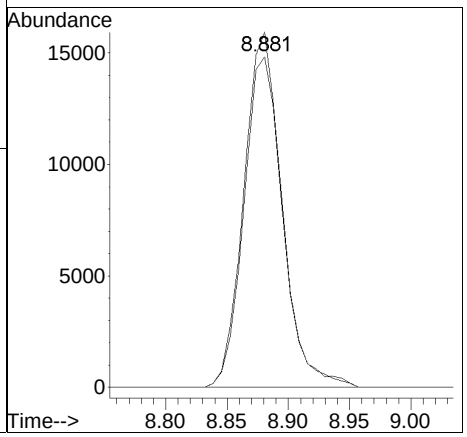


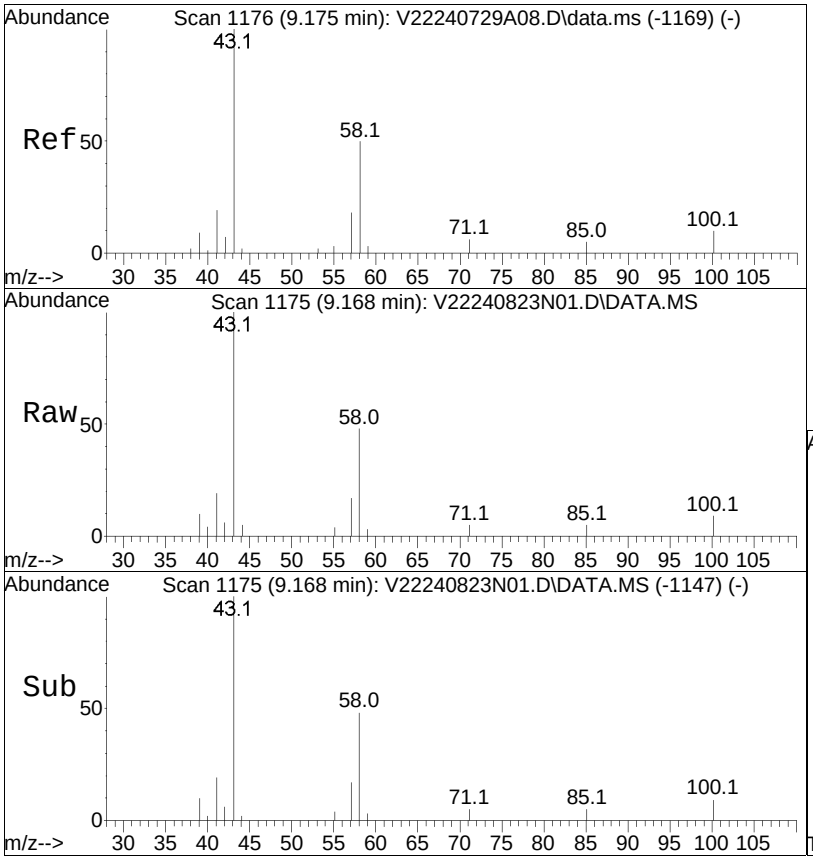


#74
1,2-Dibromoethane
Concen: 8.96 ug/L
RT: 8.881 min Scan# 1134
Delta R.T. 0.001 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:107 Resp: 34662

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.1	112.7

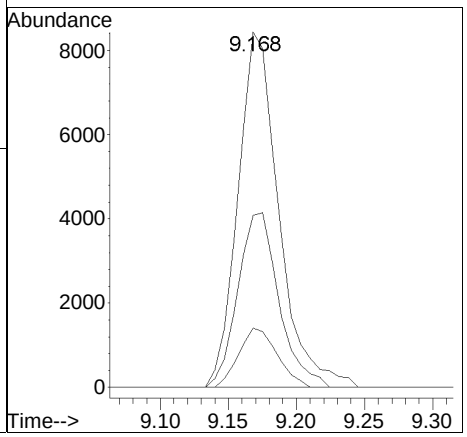


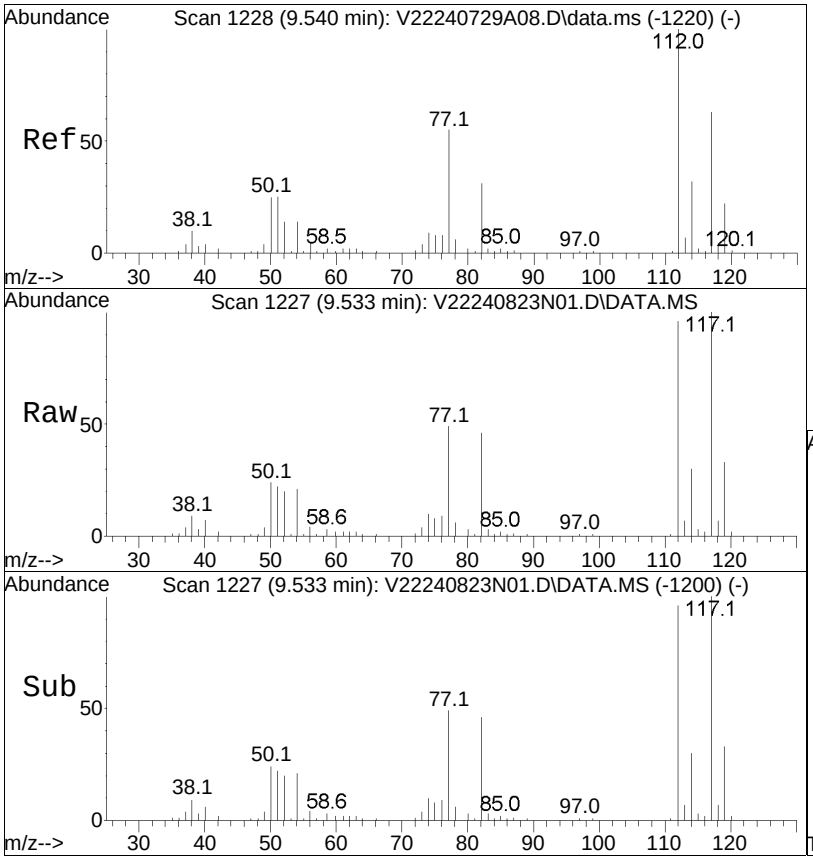


#76
2-Hexanone
Concen: 8.06 ug/L
RT: 9.168 min Scan# 1175
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 43 Resp: 17617

Ion	Ratio	Lower	Upper
43	100		
58	49.4	47.6	71.4
57	15.8	16.6	24.8#

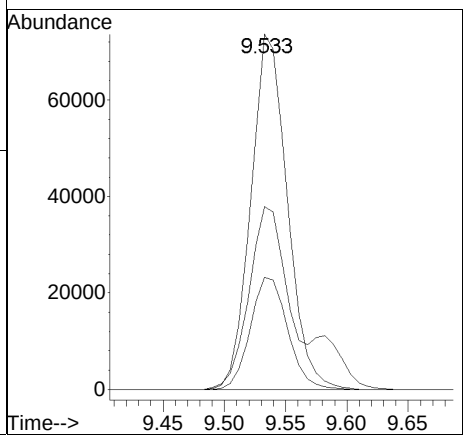


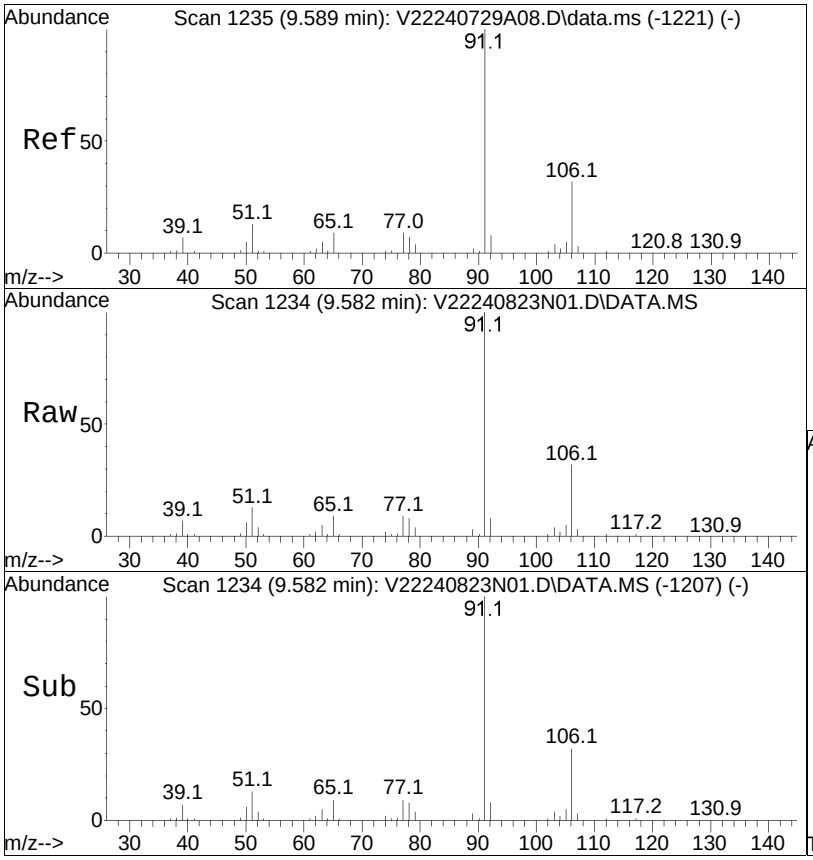


#77
Chlorobenzene
Concen: 9.14 ug/L
RT: 9.533 min Scan# 1227
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:112 Resp: 152131

Ion	Ratio	Lower	Upper
112	100		
77	55.0	55.4	83.0#
114	32.4	26.2	39.4

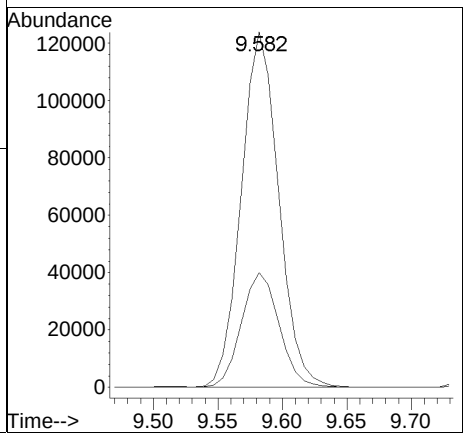


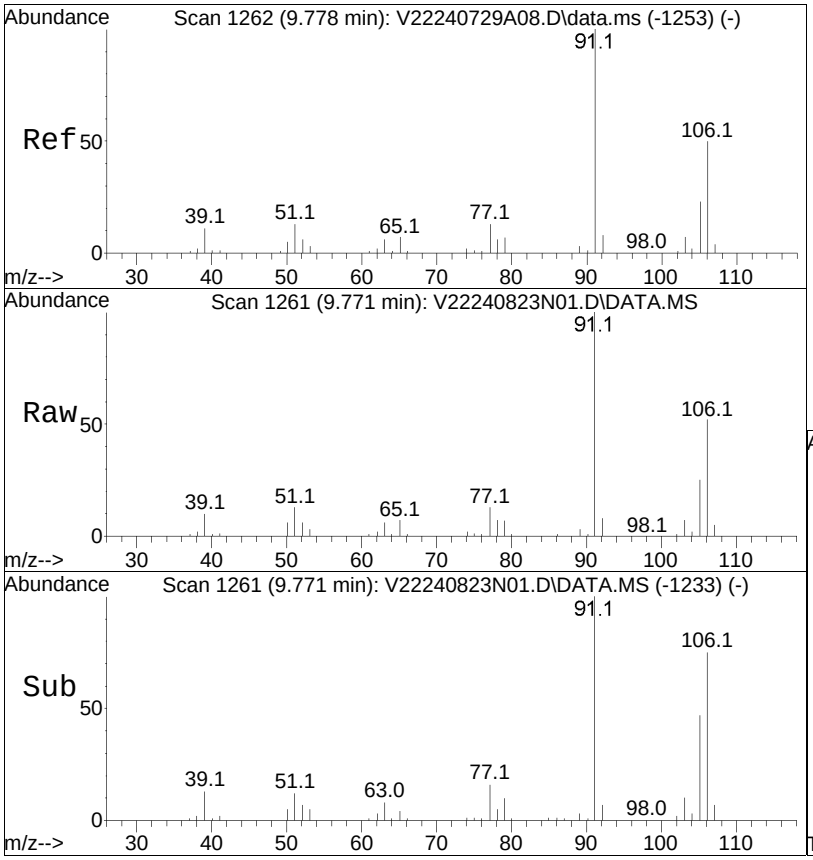


#78
Ethylbenzene
Concen: 9.01 ug/L
RT: 9.582 min Scan# 1234
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 91 Resp: 249872

Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.8	38.6

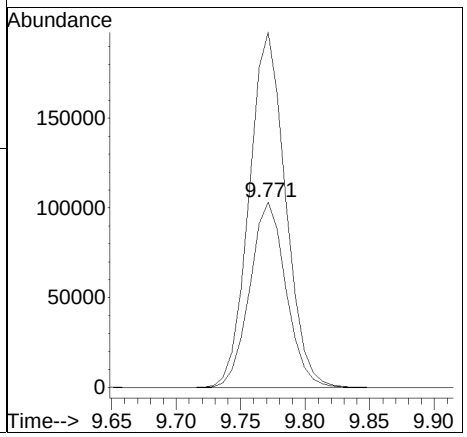


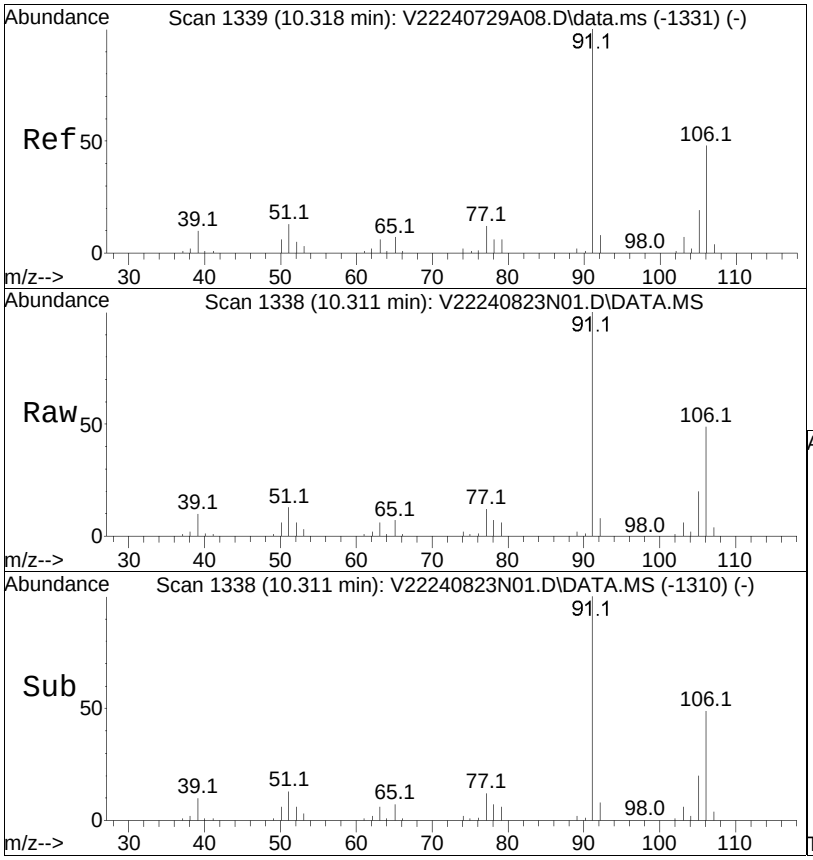


#80
p/m Xylene
Concen: 18.71 ug/L
RT: 9.771 min Scan# 1261
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:106 Resp: 201549

Ion	Ratio	Lower	Upper
106	100		
91	192.6	156.0	234.0

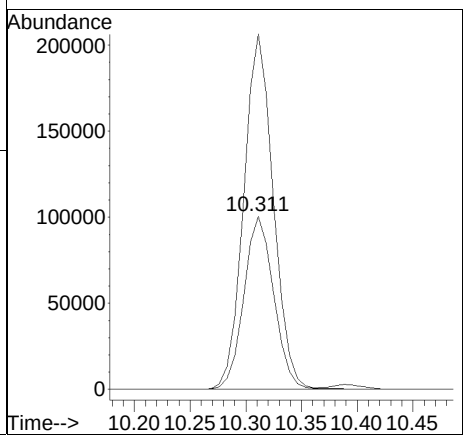


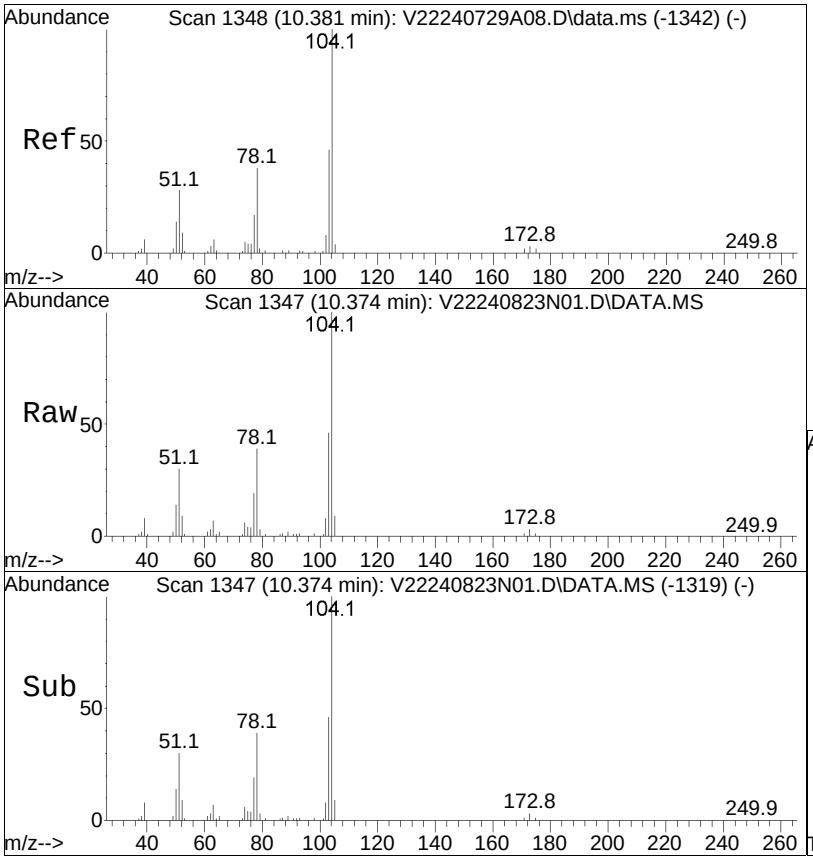


#81
o Xylene
Concen: 18.47 ug/L
RT: 10.311 min Scan# 1338
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:106 Resp: 188108

Ion	Ratio	Lower	Upper
106	100		
91	202.1	164.0	246.0

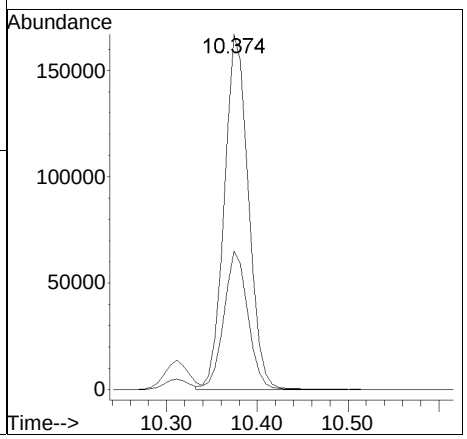


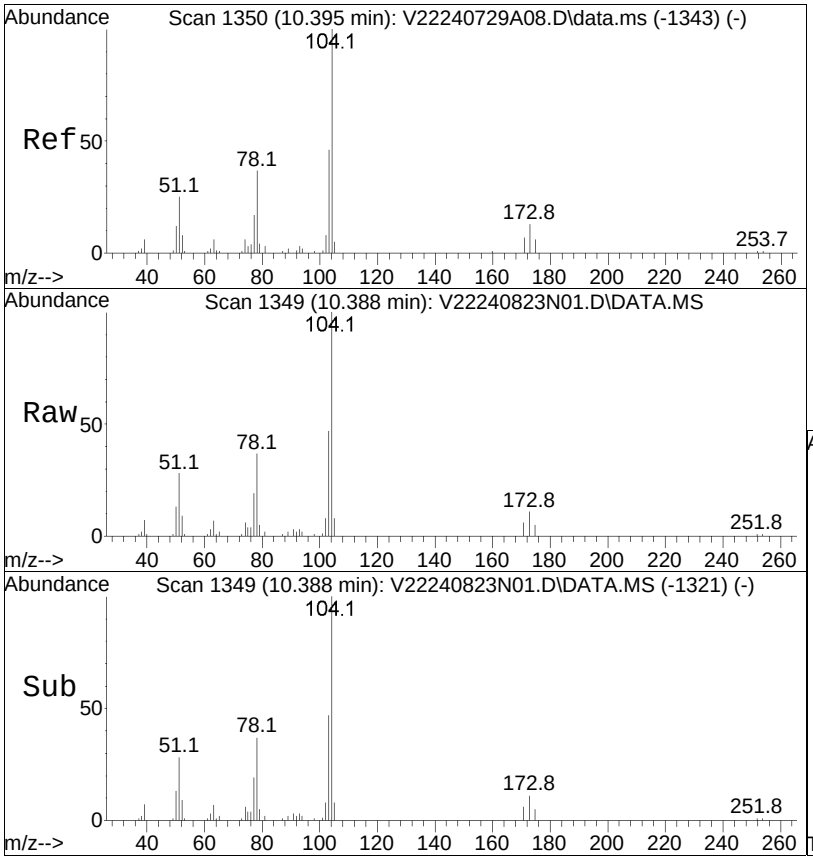


#82
Styrene
Concen: 18.81 ug/L
RT: 10.374 min Scan# 1347
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:104 Resp: 308107

Ion	Ratio	Lower	Upper
104	100		
78	38.6	32.1	48.1

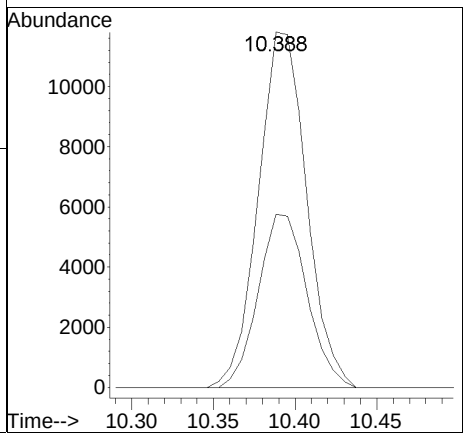


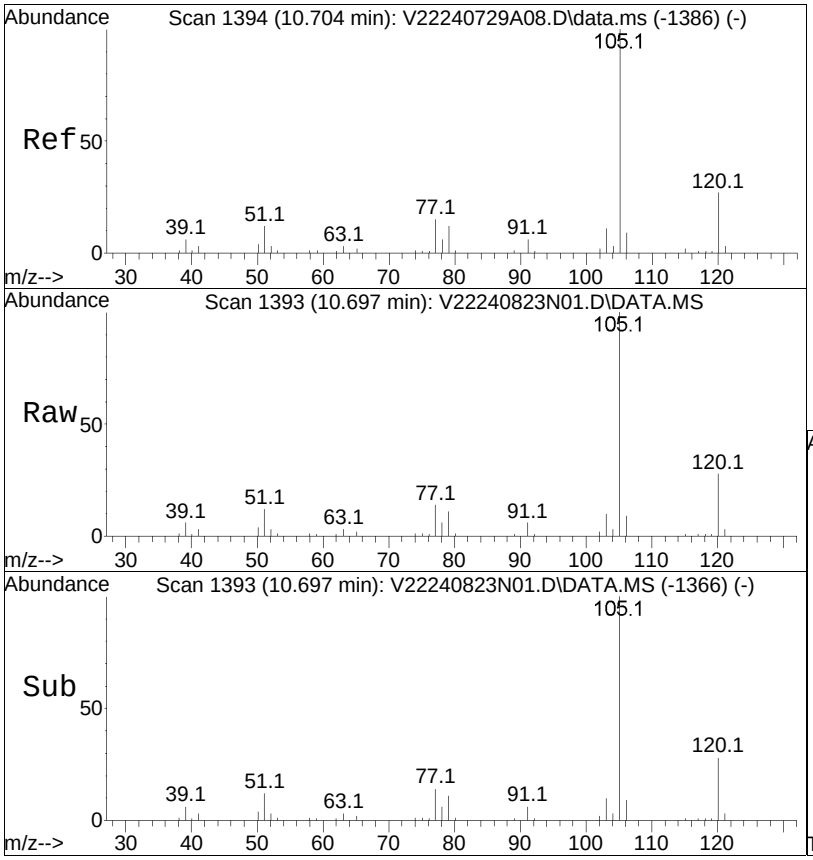


#84
Bromoform
Concen: 8.58 ug/L
RT: 10.388 min Scan# 1349
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:173 Resp: 24225

Ion	Ratio	Lower	Upper
173	100		
175	49.3	29.3	69.3

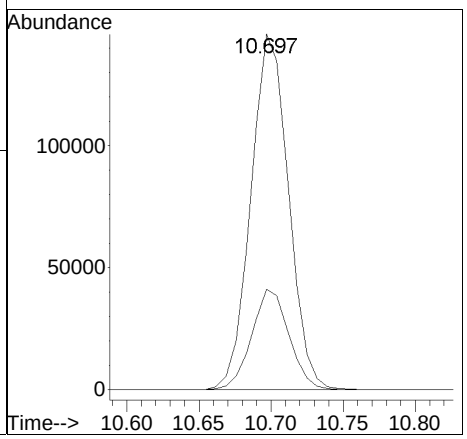


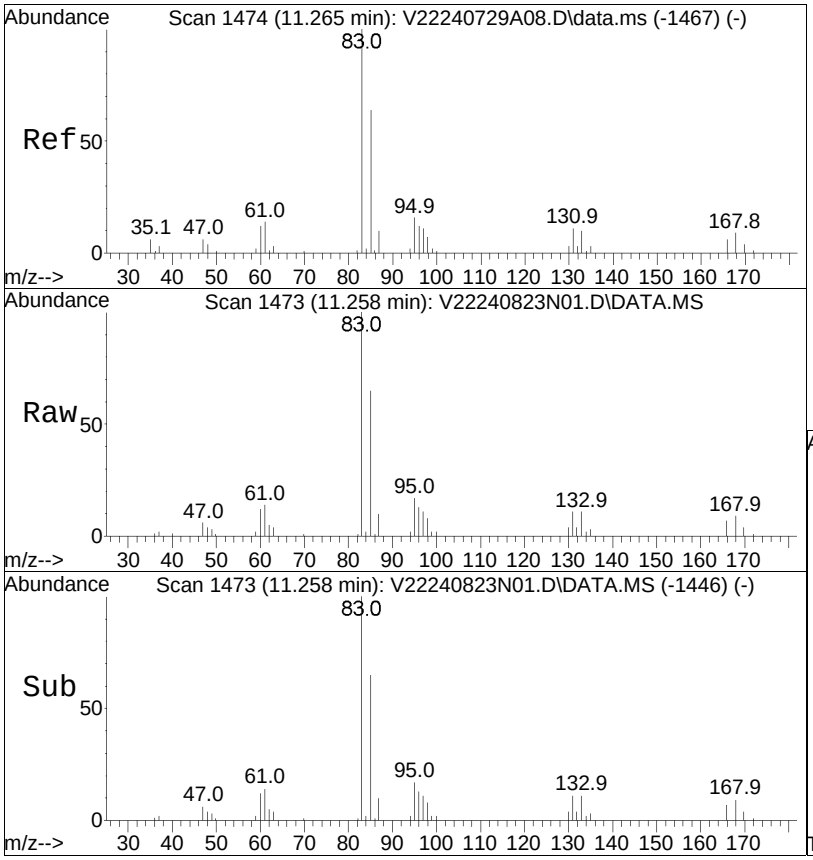


#86
Isopropylbenzene
Concen: 9.04 ug/L
RT: 10.697 min Scan# 1393
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:105 Resp: 263385

Ion	Ratio	Lower	Upper
105	100		
120	27.9	7.7	47.7

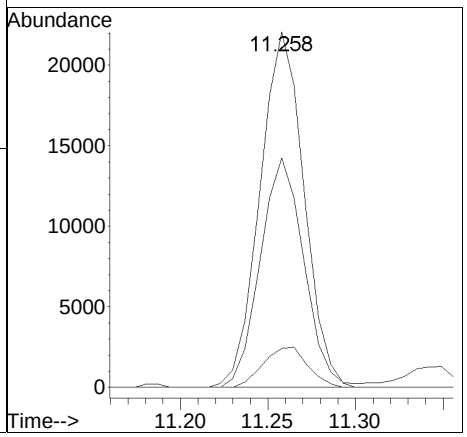


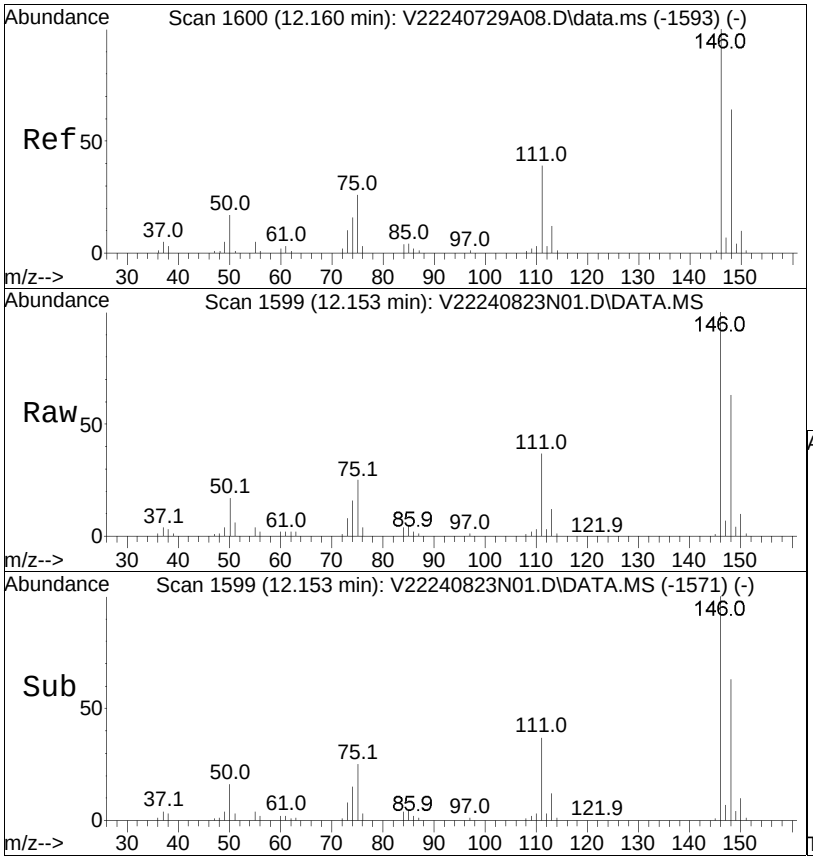


#91
1,1,2,2-Tetrachloroethane
Concen: 8.10 ug/L
RT: 11.258 min Scan# 1473
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion: 83 Resp: 38581

Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	30.8
85	63.9	45.4	85.4

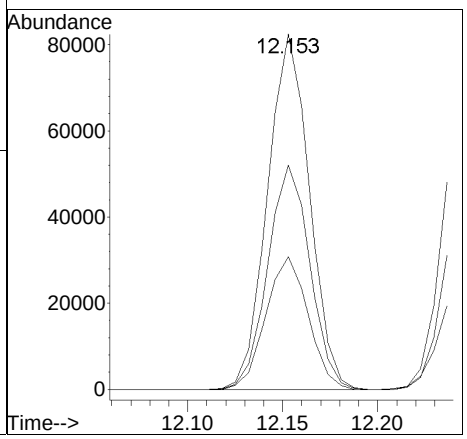


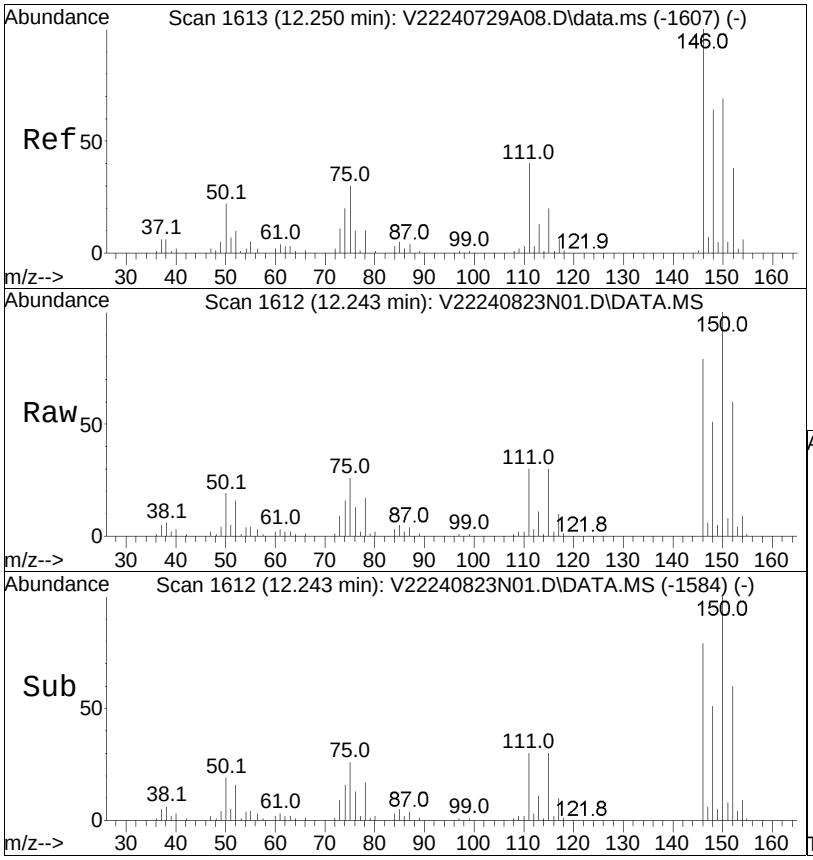


#104
1,3-Dichlorobenzene
Concen: 9.30 ug/L
RT: 12.153 min Scan# 1599
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:146 Resp: 126335

Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.0	49.8
148	63.6	41.8	86.8

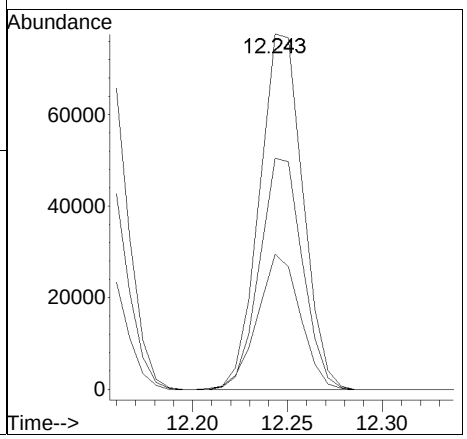


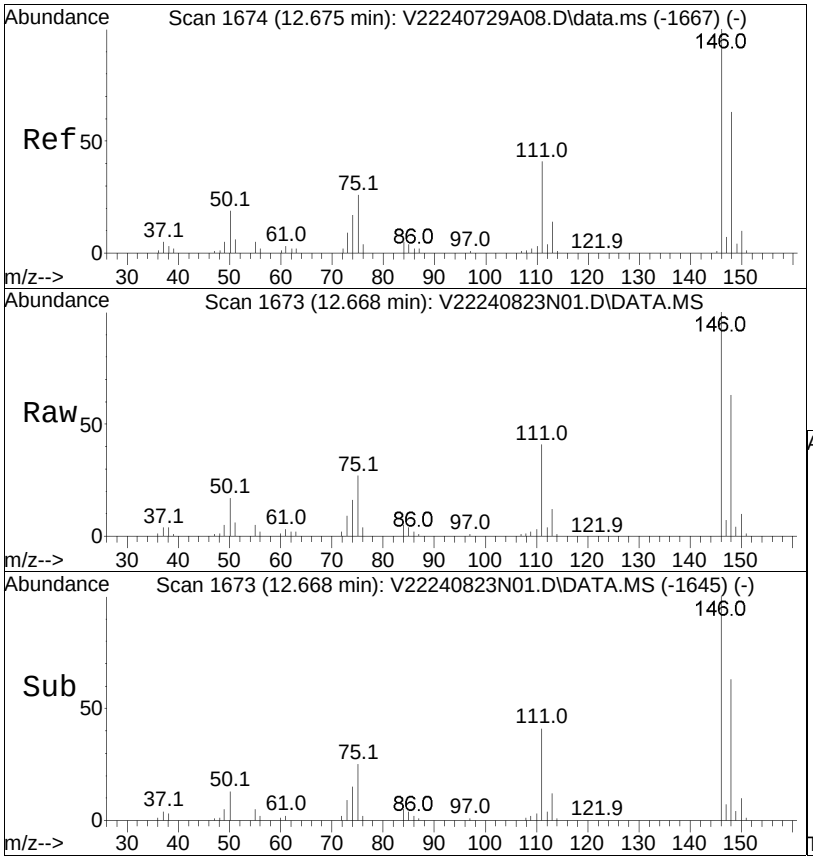


#105
1,4-Dichlorobenzene
Concen: 9.18 ug/L
RT: 12.243 min Scan# 1612
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:146 Resp: 123650

Ion	Ratio	Lower	Upper
146	100		
111	37.5	28.9	43.3
148	64.2	51.4	77.2

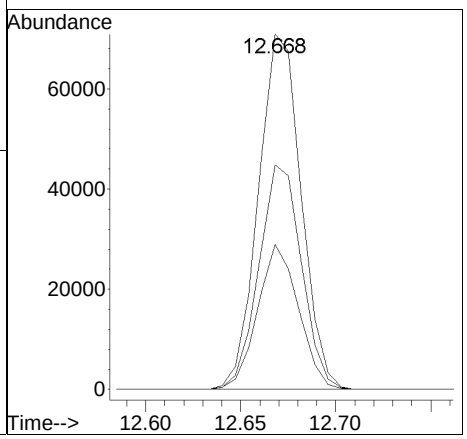


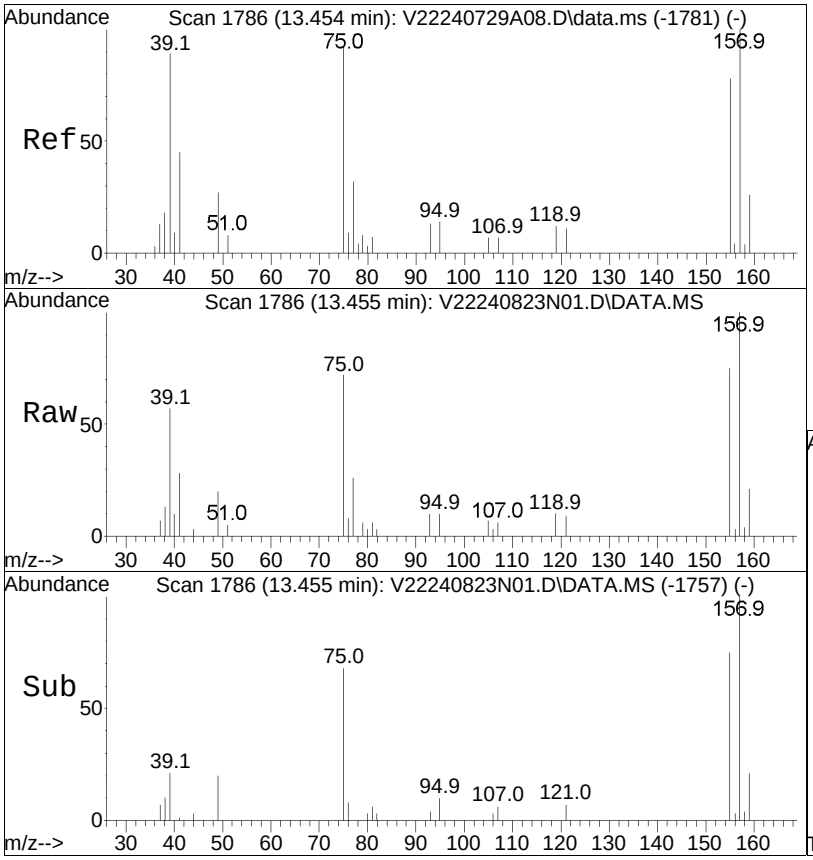


#108
1,2-Dichlorobenzene
Concen: 9.24 ug/L
RT: 12.668 min Scan# 1673
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:146 Resp: 111058

Ion	Ratio	Lower	Upper
146	100		
111	39.1	24.8	51.6
148	63.0	42.2	87.6

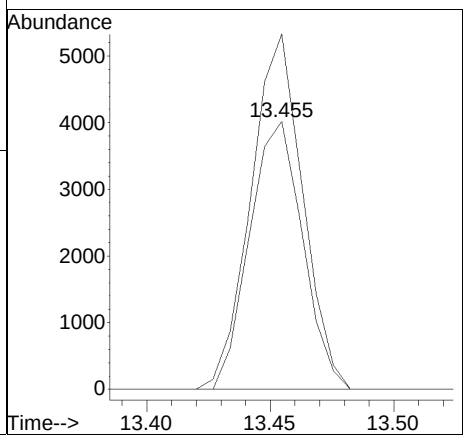


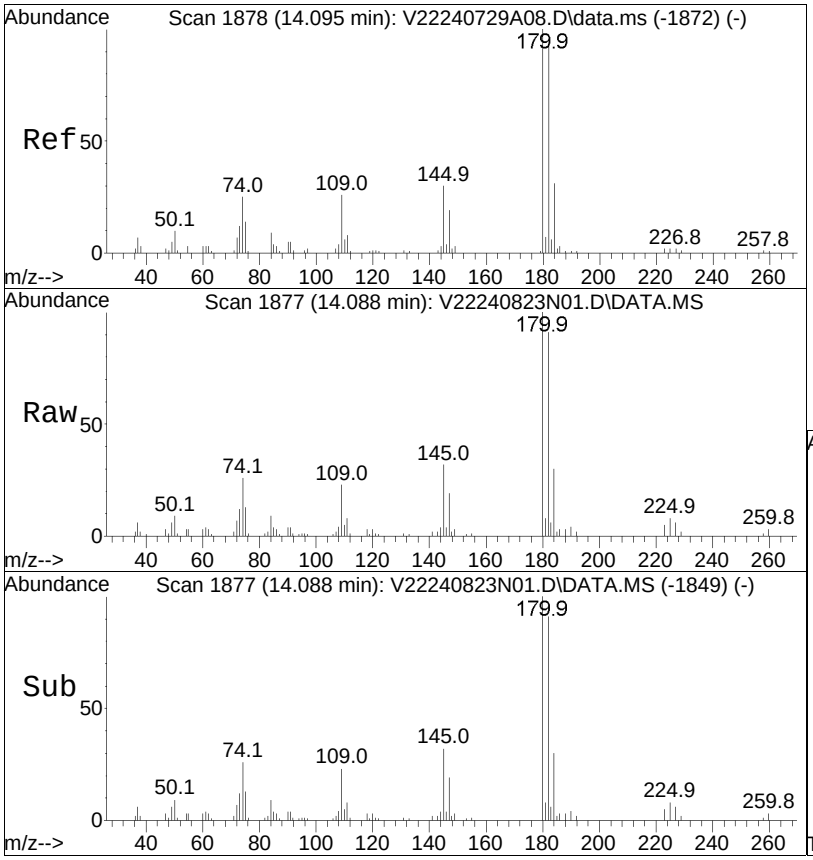


#110
1,2-Dibromo-3-chloropropane
Concen: 8.47 ug/L
RT: 13.455 min Scan# 1786
Delta R.T. 0.001 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:155 Resp: 6004

Ion	Ratio	Lower	Upper
155	100		
157	129.7	102.3	153.5

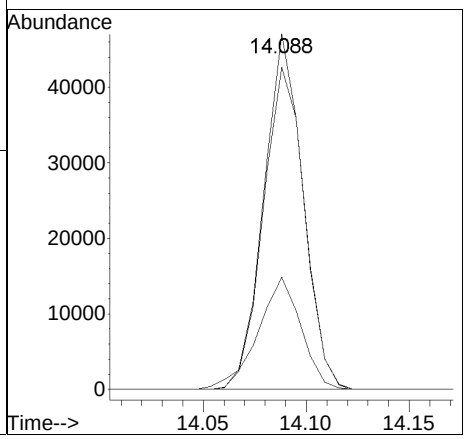


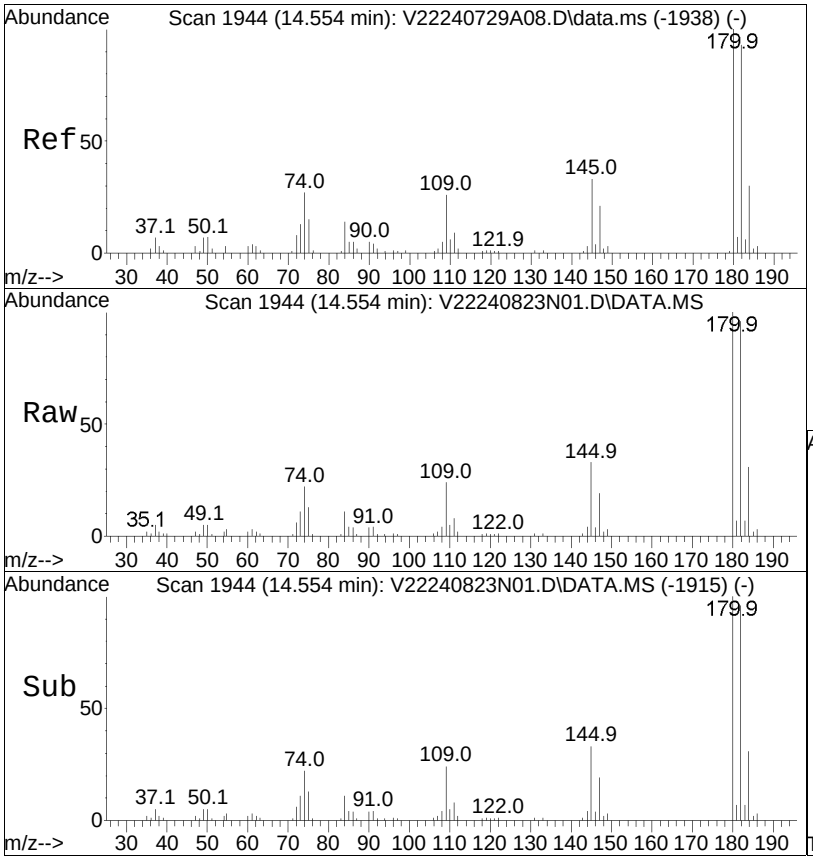


#113
1,2,4-Trichlorobenzene
Concen: 9.35 ug/L
RT: 14.088 min Scan# 1877
Delta R.T. -0.007 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:180 Resp: 62284

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
145	34.8	25.5	38.3

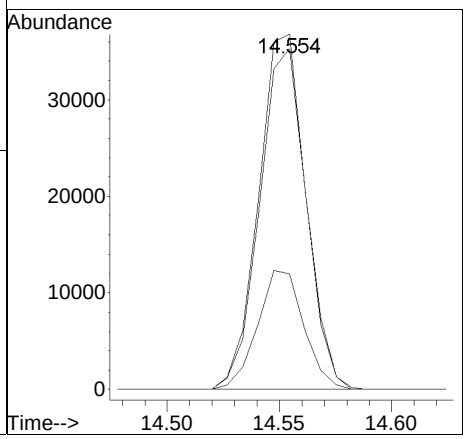




#115
1,2,3-Trichlorobenzene
Concen: 9.51 ug/L
RT: 14.554 min Scan# 1944
Delta R.T. 0.000 min
Lab File: V22240823N01.D
Acq: 23 Aug 2024 04:03 pm

Tgt Ion:180 Resp: 53811

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	32.9	23.8	35.8



Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A02.D
Acq On : 23 Aug 2024 8:13 am
Operator : GONZO:PID
Sample : WG1963895-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 08:33:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.086	96	350816	10.000	ug/L	0.00
Standard Area 1 = 365245			Recovery = 96.05%			
59) Chlorobenzene-d5	9.629	117	269253	10.000	ug/L	0.00
Standard Area 1 = 285642			Recovery = 94.26%			
79) 1,4-Dichlorobenzene-d4	12.311	152	158798	10.000	ug/L	0.00
Standard Area 1 = 170158			Recovery = 93.32%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.273	113	90979	9.929	ug/L	0.00
Spiked Amount 10.000			Range 70 - 130	Recovery = 99.29%		
43) 1,2-Dichloroethane-d4	5.805	65	108327	11.129	ug/L	0.00
Spiked Amount 10.000			Range 70 - 130	Recovery = 111.29%		
60) Toluene-d8	7.779	98	342473	10.132	ug/L	0.00
Spiked Amount 10.000			Range 70 - 130	Recovery = 101.32%		
83) 4-Bromofluorobenzene	11.110	95	120587	9.092	ug/L	0.00
Spiked Amount 10.000			Range 70 - 130	Recovery = 90.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.672	85	81565	8.757	ug/L	98
3) Chloromethane	1.893	50	78488	9.851	ug/L	97
4) Vinyl chloride	1.946	62	85767	10.391	ug/L	97
5) Bromomethane	2.257	94	28067	6.423	ug/L	97
6) Chloroethane	2.364	64	83233	13.190	ug/L	94
7) Trichlorofluoromethane	2.516	101	117808	9.735	ug/L	98
10) 1,1-Dichloroethene	3.009	96	63995	9.643	ug/L	87
11) Carbon disulfide	3.040	76	200023	10.249	ug/L	99
12) Freon-113	3.047	101	67262	9.237	ug/L #	71
15) Methylene chloride	3.572	84	78475	10.001	ug/L	82
17) Acetone	3.617	43	19392	10.553	ug/L	95
18) trans-1,2-Dichloroethene	3.723	96	71468	9.845	ug/L	92
19) Methyl acetate	3.731	43	45196	11.199	ug/L #	92
20) Methyl tert-butyl ether	3.815	73	215862	9.671	ug/L	89
23) 1,1-Dichloroethane	4.308	63	143538	10.916	ug/L	99
28) cis-1,2-Dichloroethene	4.833	96	83536	10.008	ug/L	96
30) Bromochloromethane	5.030	128	41951	10.273	ug/L #	83
31) Cyclohexane	5.023	56	124035	9.945	ug/L	78
32) Chloroform	5.099	83	143904	10.691	ug/L	96
34) Carbon tetrachloride	5.228	117	110134	10.096	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A02.D
Acq On : 23 Aug 2024 8:13 am
Operator : GONZO:PID
Sample : WG1963895-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 08:33:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Gonzo\2024\240823A\VG240823A01.D
Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 1,1,1-Trichloroethane	5.296	97	121840	9.815	ug/L		95
39) 2-Butanone	5.395	43	29688	11.668	ug/L	#	81
41) Benzene	5.661	78	314169	10.453	ug/L		94
44) 1,2-Dichloroethane	5.873	62	108474	11.325	ug/L		99
47) Methyl cyclohexane	6.246	83	101753	8.712	ug/L	#	80
48) Trichloroethene	6.261	95	81429	9.608	ug/L		99
51) 1,2-Dichloropropane	6.808	63	79639	10.860	ug/L		97
54) Bromodichloromethane	6.884	83	110135	10.289	ug/L		100
57) 1,4-Dioxane	7.091	88	32016	429.207	ug/L		87
58) cis-1,3-Dichloropropene	7.571	75	121831	10.177	ug/L		92
61) Toluene	7.836	92	192815	10.304	ug/L		96
62) 4-Methyl-2-pentanone	8.266	58	23637	11.457	ug/L		86
63) Tetrachloroethene	8.281	166	85847	10.451	ug/L		99
65) trans-1,3-Dichloropropene	8.323	75	109027	10.642	ug/L		97
68) 1,1,2-Trichloroethane	8.510	83	57393	11.177	ug/L		98
69) Chlorodibromomethane	8.725	129	87107	10.729	ug/L		99
71) 1,2-Dibromoethane	9.004	107	68380	10.498	ug/L		98
72) 2-Hexanone	9.283	43	42067	10.995	ug/L		90
73) Chlorobenzene	9.645	112	222390	10.664	ug/L		100
74) Ethylbenzene	9.678	91	368577	10.316	ug/L		100
76) p/m Xylene	9.867	106	291750	20.653	ug/L		98
77) o Xylene	10.402	106	281335	20.560	ug/L		97
78) Styrene	10.468	104	482822	20.821	ug/L		100
80) Bromoform	10.501	173	55276	9.825	ug/L		98
82) Isopropylbenzene	10.781	105	345364	9.721	ug/L		99
87) 1,1,2,2-Tetrachloroethane	11.356	83	90446	11.455	ug/L		99
100) 1,3-Dichlorobenzene	12.237	146	191798	10.629	ug/L		99
101) 1,4-Dichlorobenzene	12.327	146	197617	10.633	ug/L		99
104) 1,2-Dichlorobenzene	12.747	146	186689	10.846	ug/L		97
106) 1,2-Dibromo-3-chloropr...	13.528	155	14357	9.804	ug/L		99
109) 1,2,4-Trichlorobenzene	14.153	180	100854	10.280	ug/L		99
111) 1,2,3-Trichlorobenzene	14.614	180	85074	10.428	ug/L		100

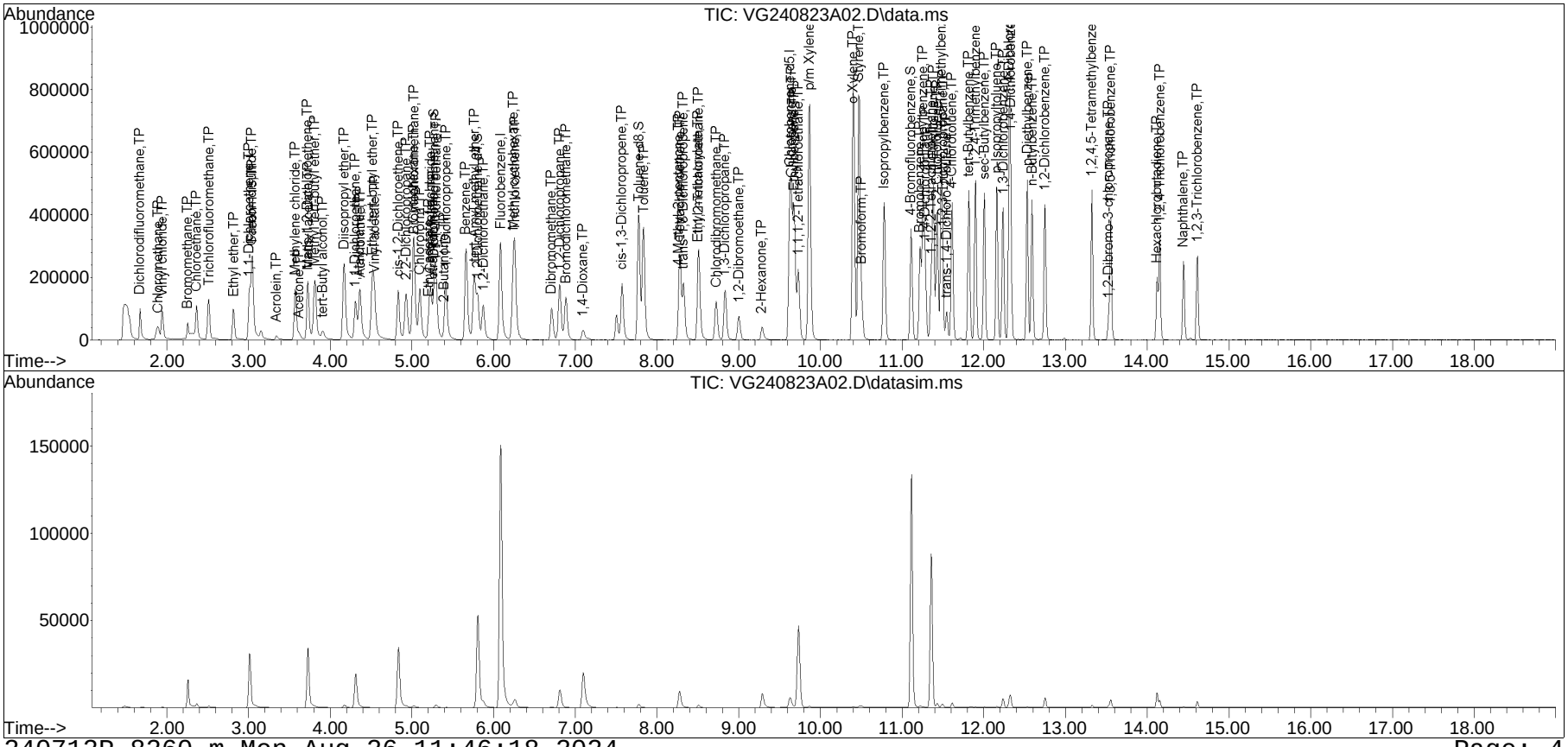
(#) = qualifier out of range (m) = manual integration (+) = signals summed

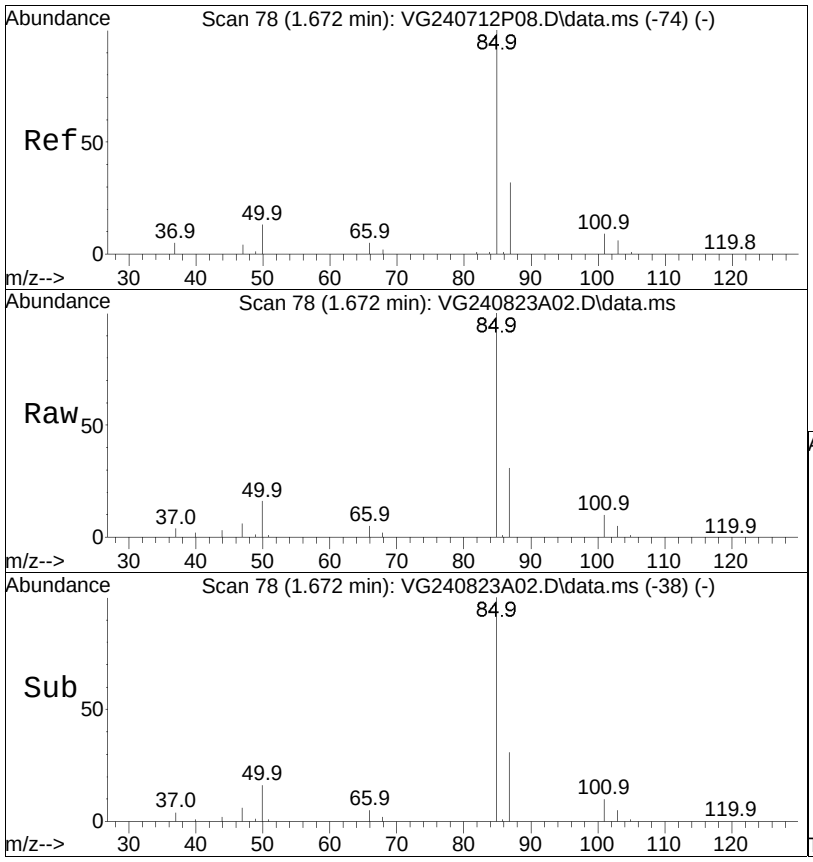
Quantitation Report (QT Reviewed)

Data Path : K:\Gonzo\2024\240823A\
Data File : VG240823A02.D
Acq On : 23 Aug 2024 8:13 am
Operator : GONZO:PID
Sample : WG1963895-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG1963895,ICAL21287 (Sig #1); WG,ICAL21287 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 08:33:59 2024
Quant Method : K:\Gonzo\2024\240823A\G_240712P_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jul 15 09:43:32 2024
Response via : Initial Calibration

Sub List : 8260-Curve-IM-2CEVE - Megamix plus Diox-Iodomethane

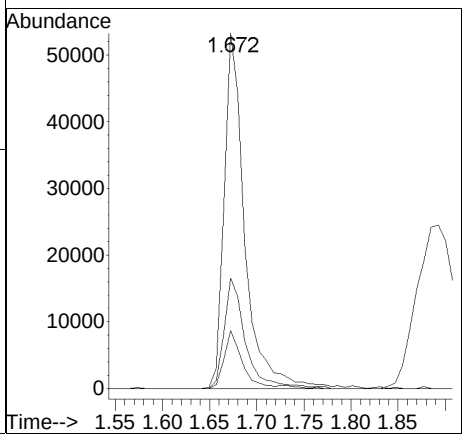


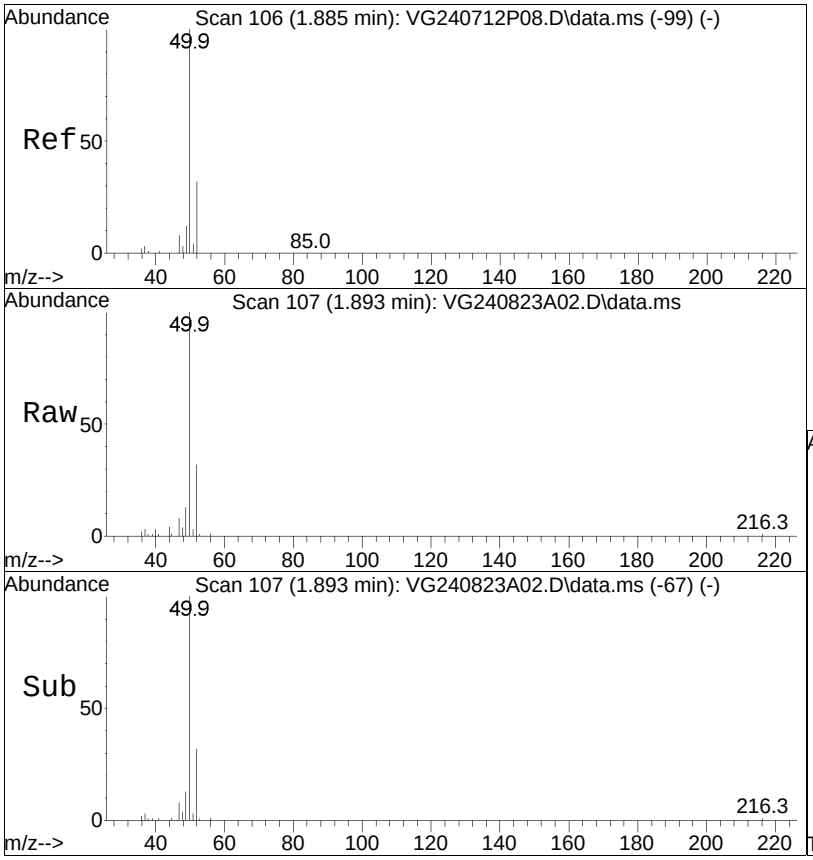


#2
Dichlorodifluoromethane
Concen: 8.76 ug/L
RT: 1.672 min Scan# 78
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 85 Resp: 81565

Ion	Ratio	Lower	Upper
85	100		
87	31.9	20.7	42.9
50	14.7	7.5	15.5

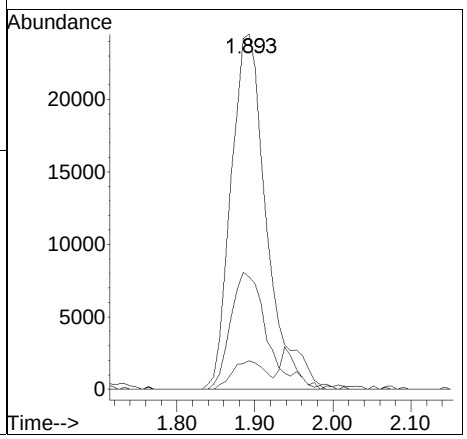


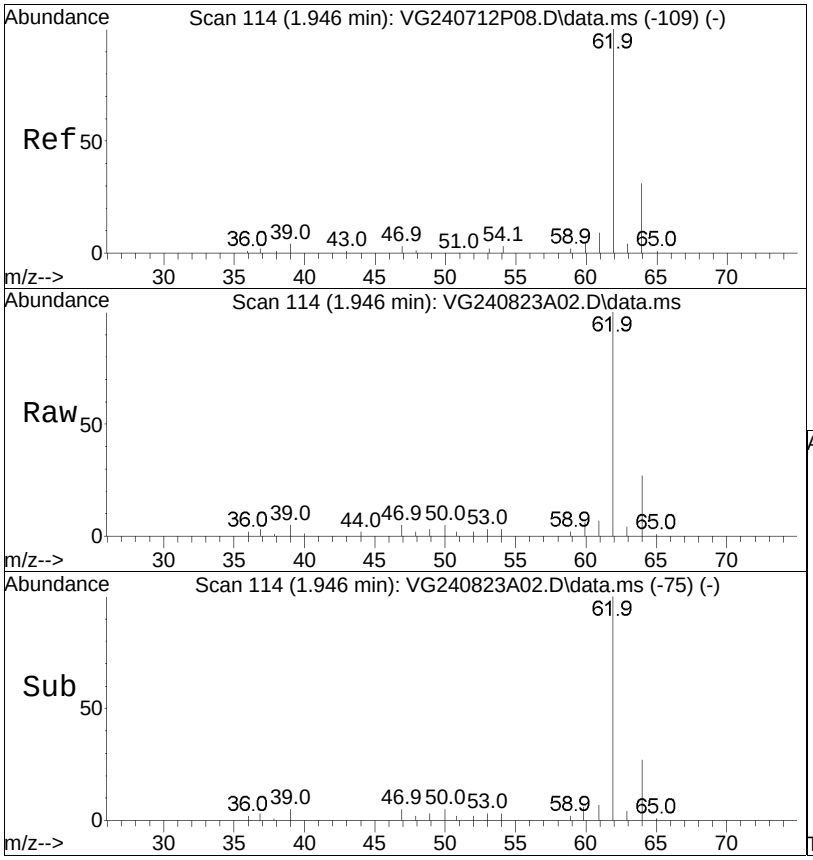


#3
Chloromethane
Concen: 9.85 ug/L
RT: 1.893 min Scan# 107
Delta R.T. 0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 50 Resp: 78488

Ion	Ratio	Lower	Upper
50	100		
52	33.9	11.7	51.7
47	7.4	0.0	28.0

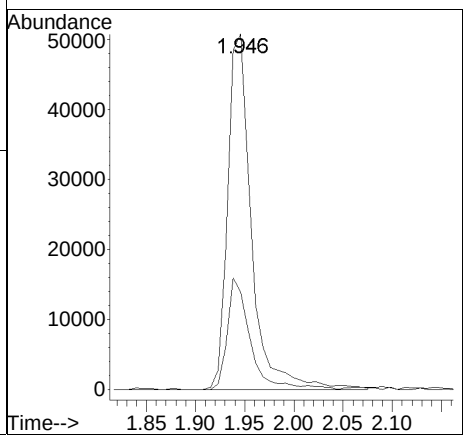


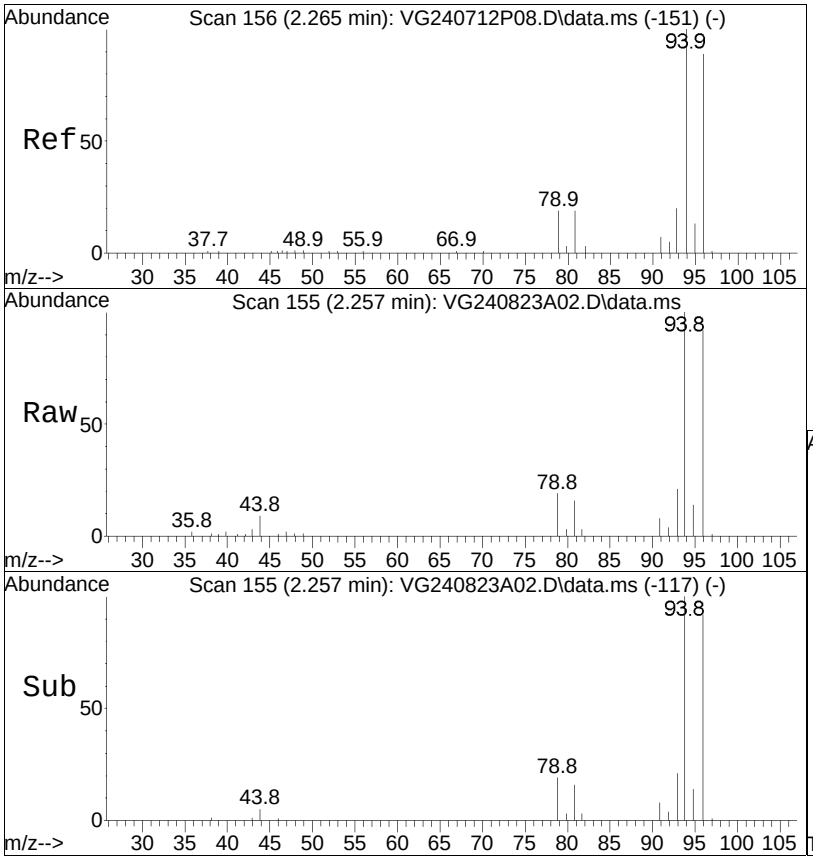


#4
Vinyl chloride
Concen: 10.39 ug/L
RT: 1.946 min Scan# 114
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 62 Resp: 85767

Ion	Ratio	Lower	Upper
62	100		
64	29.9	11.3	51.3

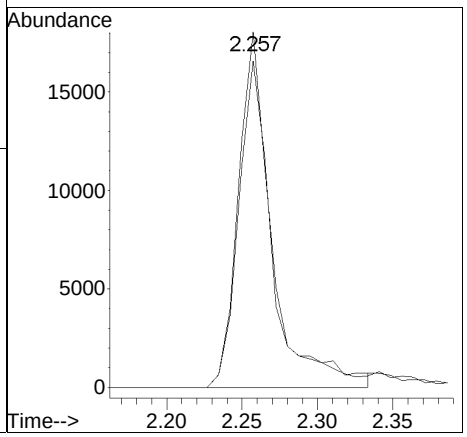


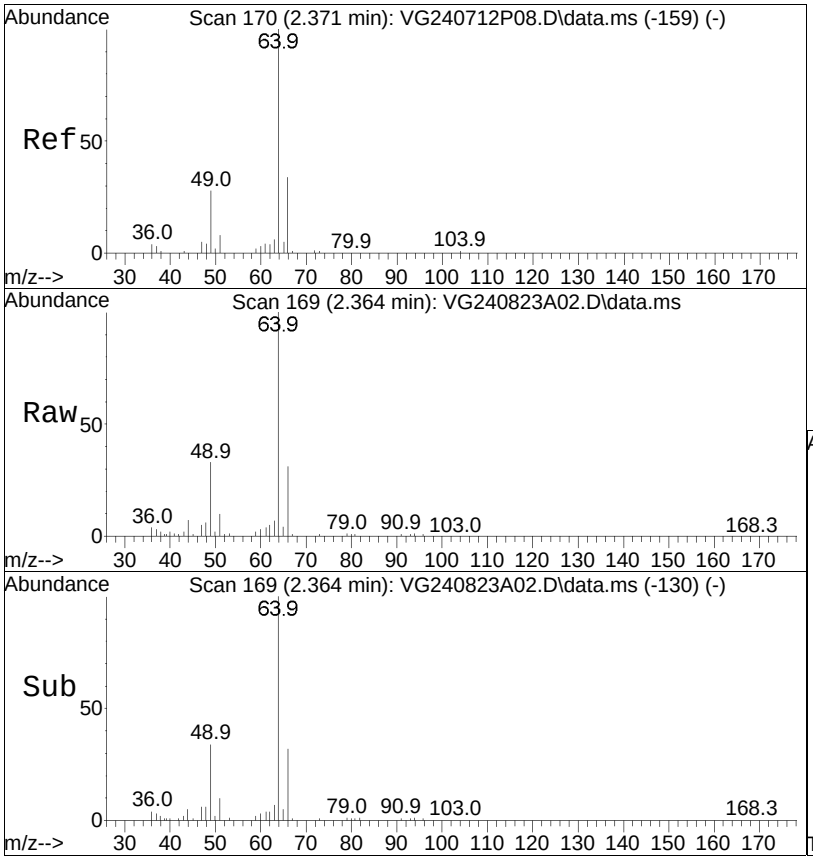


#5
Bromomethane
Concen: 6.42 ug/L
RT: 2.257 min Scan# 155
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 94 Resp: 28067

Ion	Ratio	Lower	Upper
94	100		
96	91.9	75.2	115.2

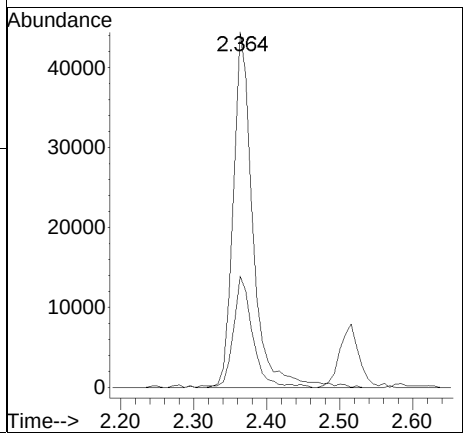


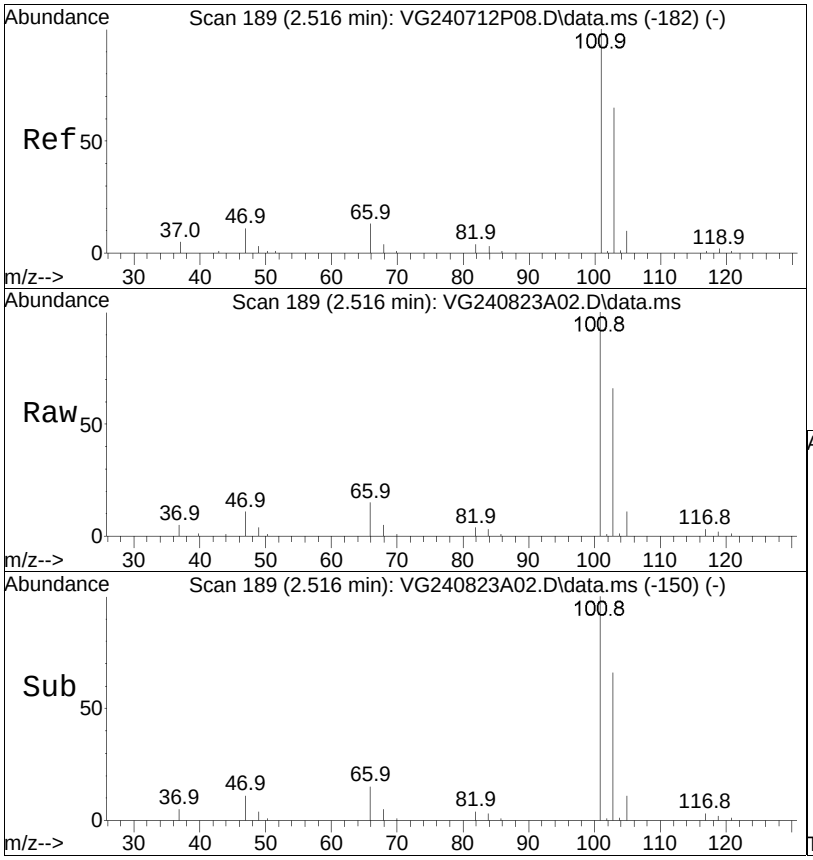


#6
Chloroethane
Concen: 13.19 ug/L
RT: 2.364 min Scan# 169
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 64 Resp: 83233

Ion	Ratio	Lower	Upper
64	100		
66	30.4	13.7	53.7

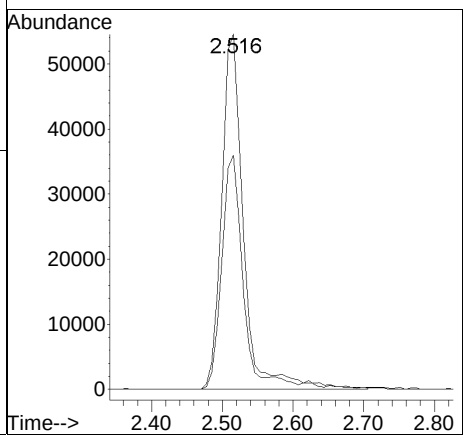


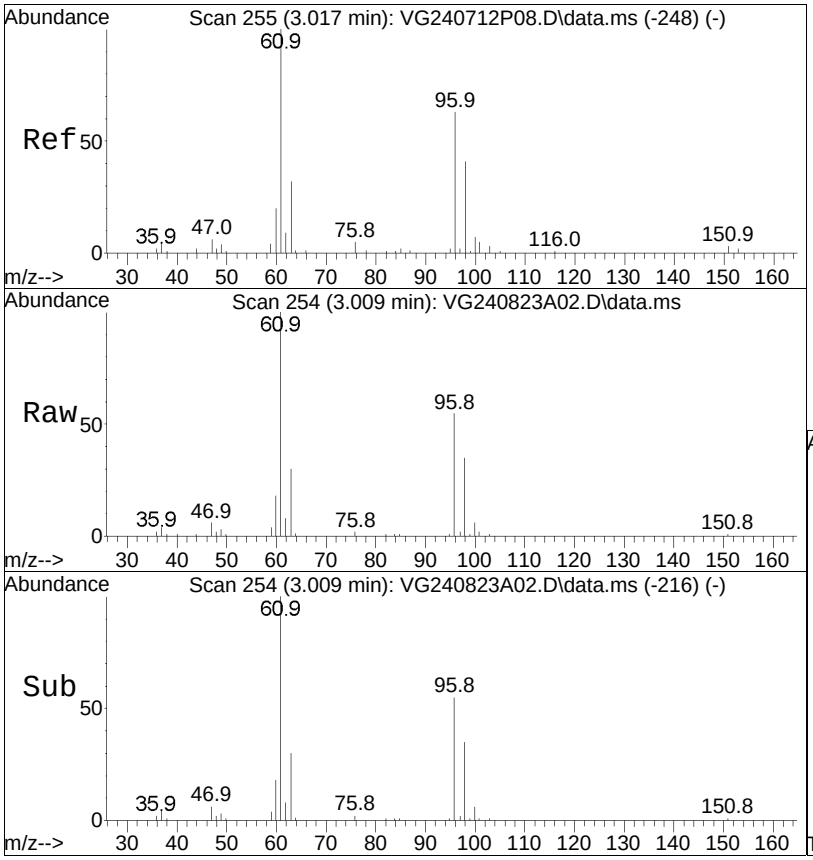


#7
Trichlorofluoromethane
Concen: 9.74 ug/L
RT: 2.516 min Scan# 189
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:101 Resp: 117808

Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.2	78.2

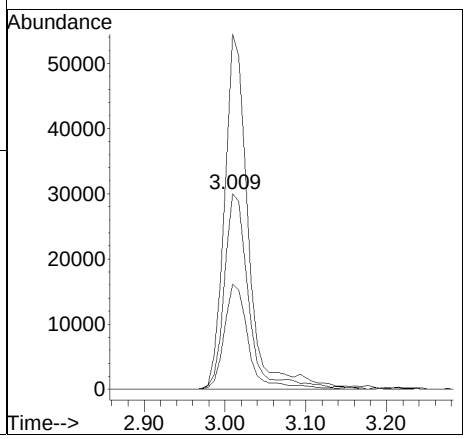


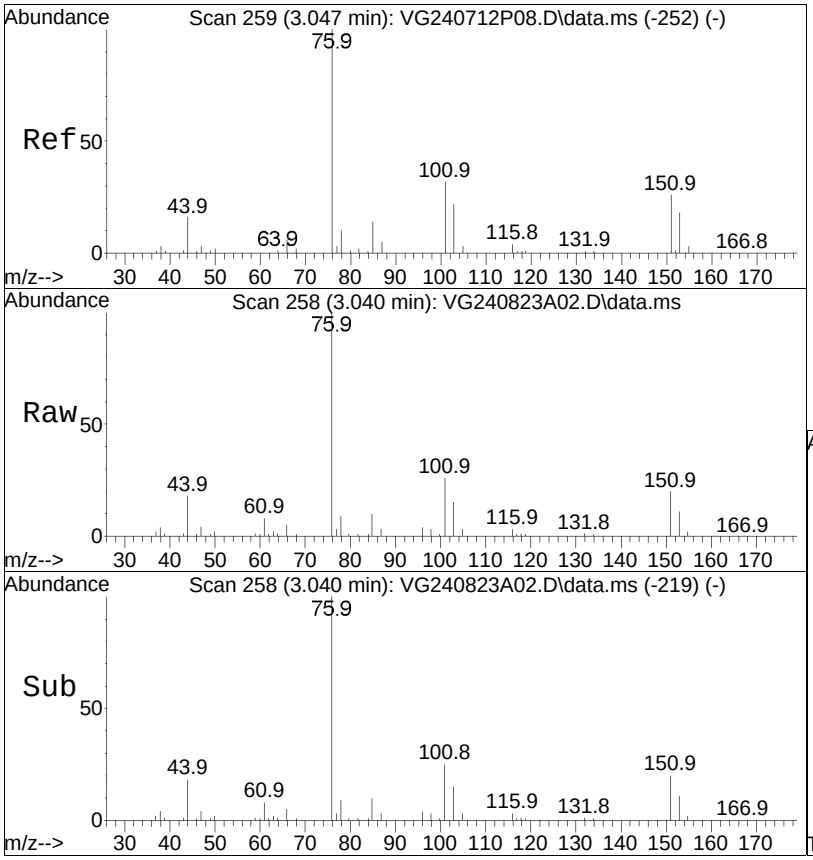


#10
1,1-Dichloroethene
Concen: 9.64 ug/L
RT: 3.009 min Scan# 254
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 96 Resp: 63995

Ion	Ratio	Lower	Upper
96	100		
61	175.3	124.2	186.4
63	53.2	40.0	60.0

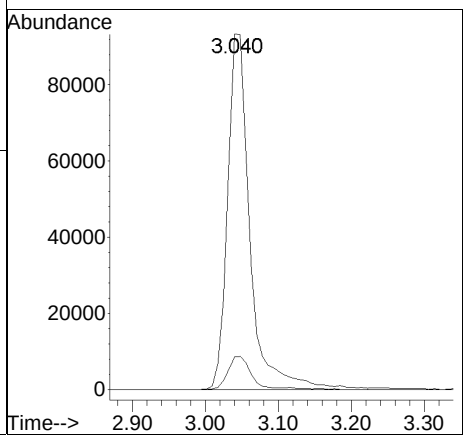


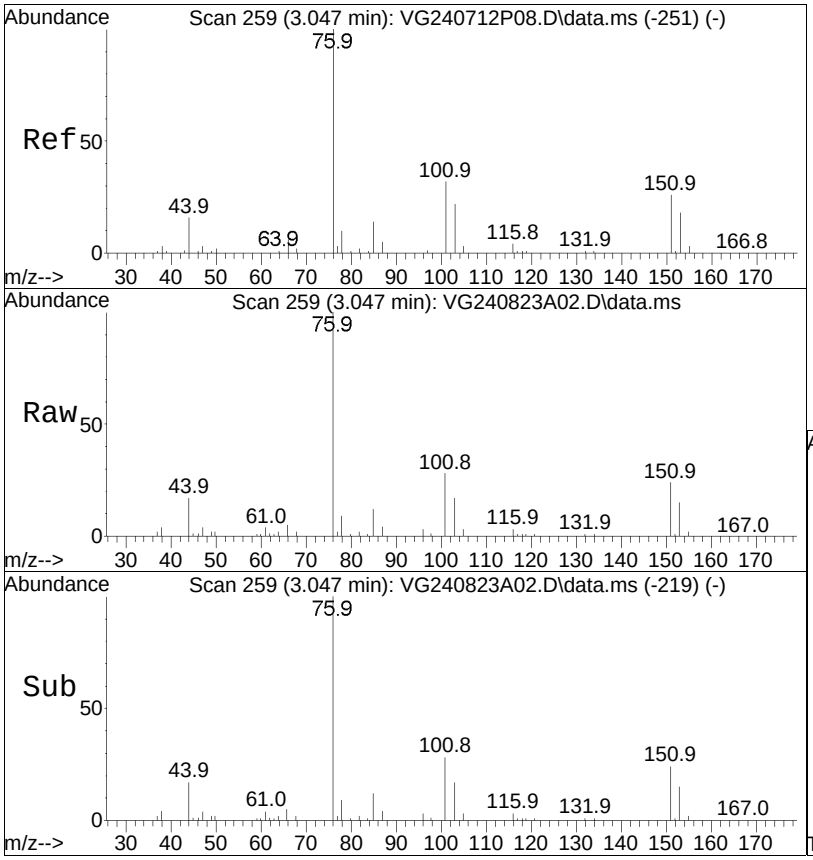


#11
Carbon disulfide
Concen: 10.25 ug/L
RT: 3.040 min Scan# 258
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 76 Resp: 200023

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.6	13.6

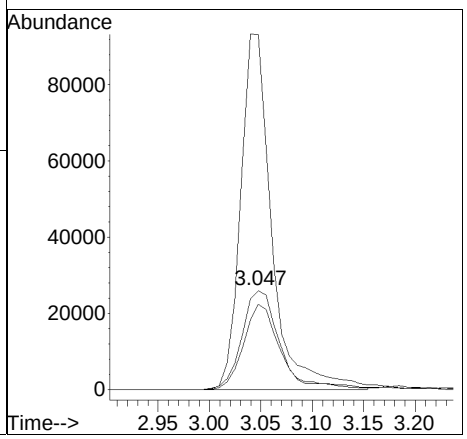


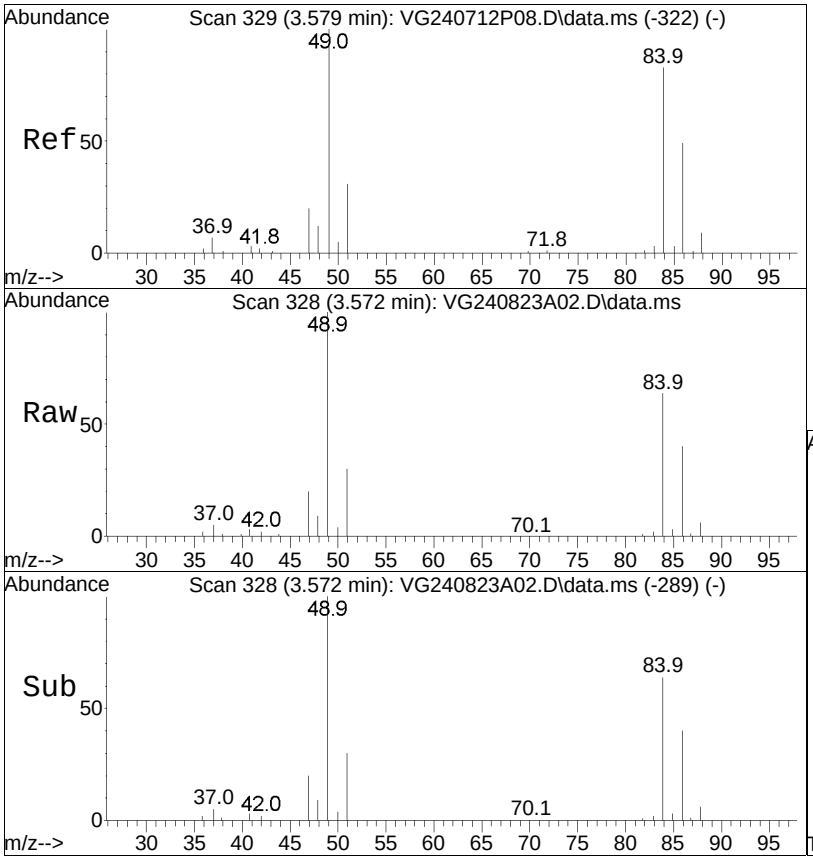


#12
Freon-113
Concen: 9.24 ug/L
RT: 3.047 min Scan# 259
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:101 Resp: 67262

Ion	Ratio	Lower	Upper
101	100		
151	83.0	68.2	102.2
76	297.4	186.0	279.0#

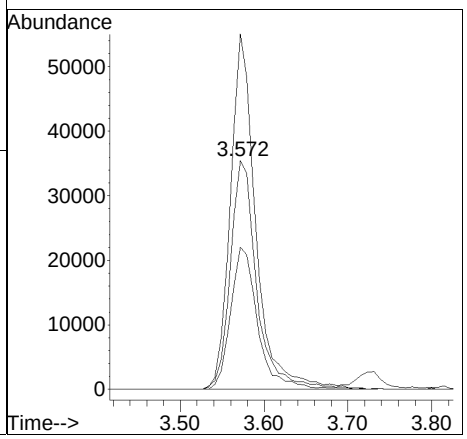


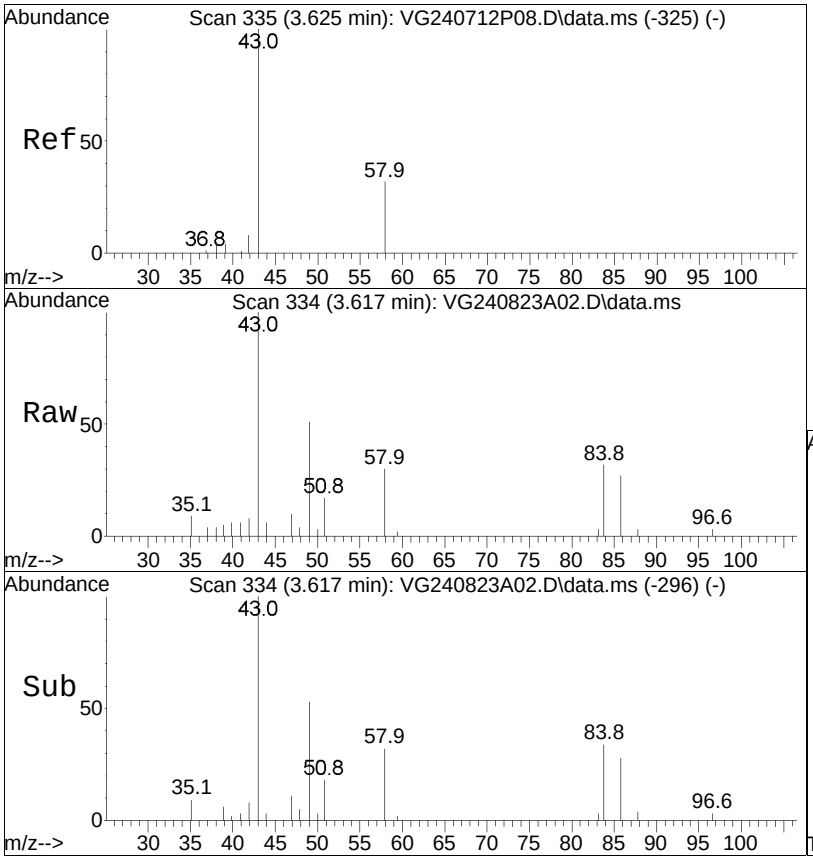


#15
Methylene chloride
Concen: 10.00 ug/L
RT: 3.572 min Scan# 328
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 84 Resp: 78475

Ion	Ratio	Lower	Upper
84	100		
86	62.8	41.1	85.5
49	147.6	76.2	158.2

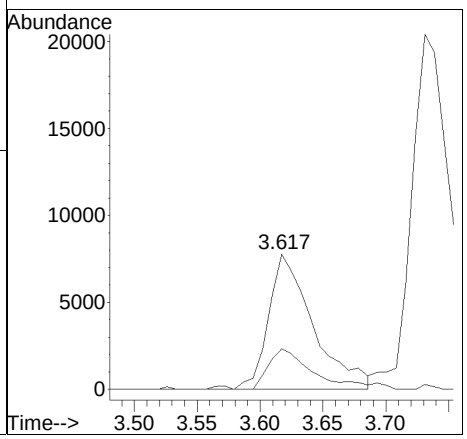


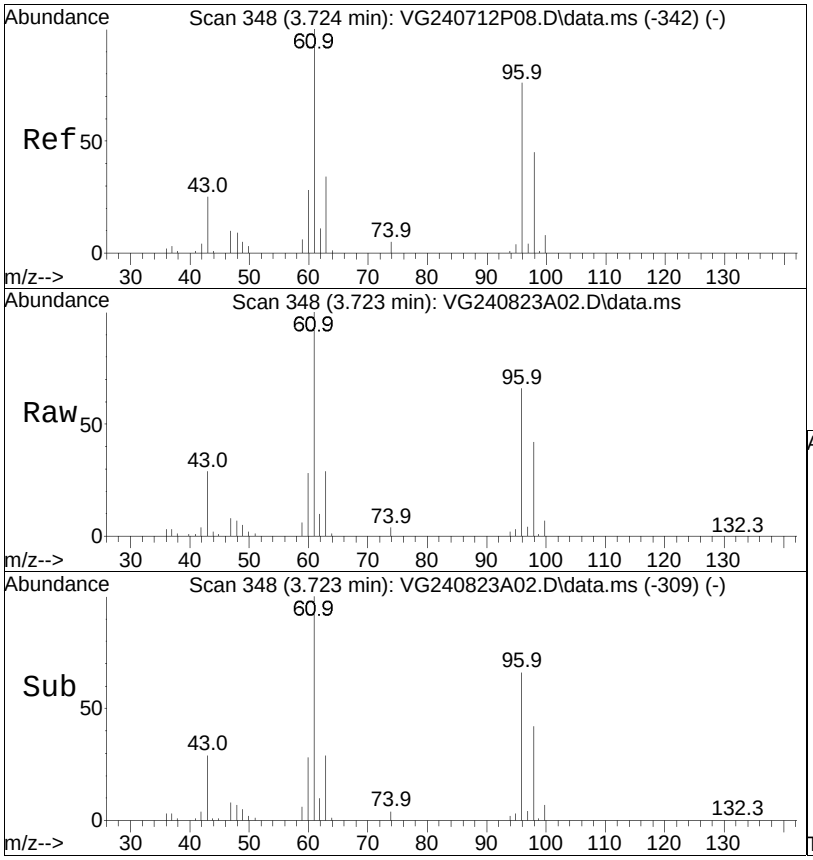


#17
Acetone
Concen: 10.55 ug/L
RT: 3.617 min Scan# 334
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 43 Resp: 19392

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.2	33.4

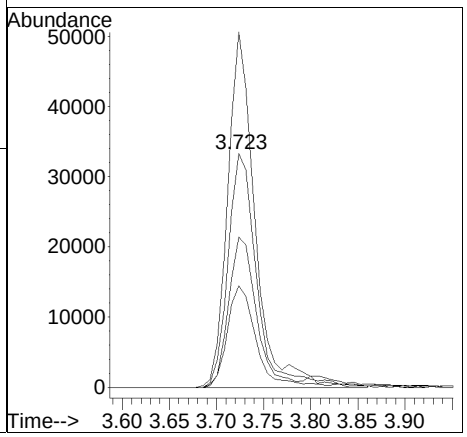


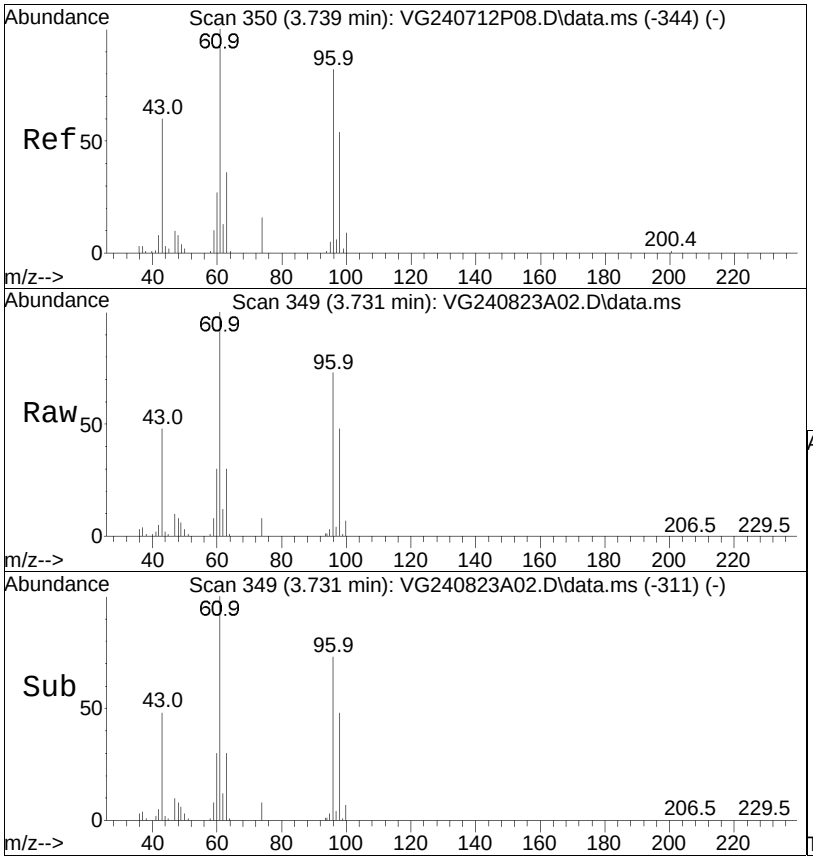


#18
trans-1,2-Dichloroethene
Concen: 9.85 ug/L
RT: 3.723 min Scan# 348
Delta R.T. -0.001 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 96 Resp: 71468

Ion	Ratio	Lower	Upper
96	100		
61	147.4	85.7	178.1
98	61.7	40.2	83.4
63	43.9	28.0	58.2

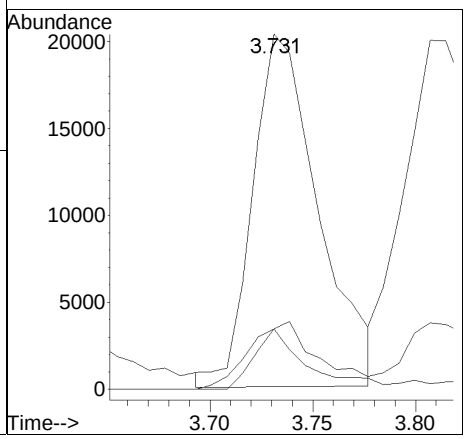


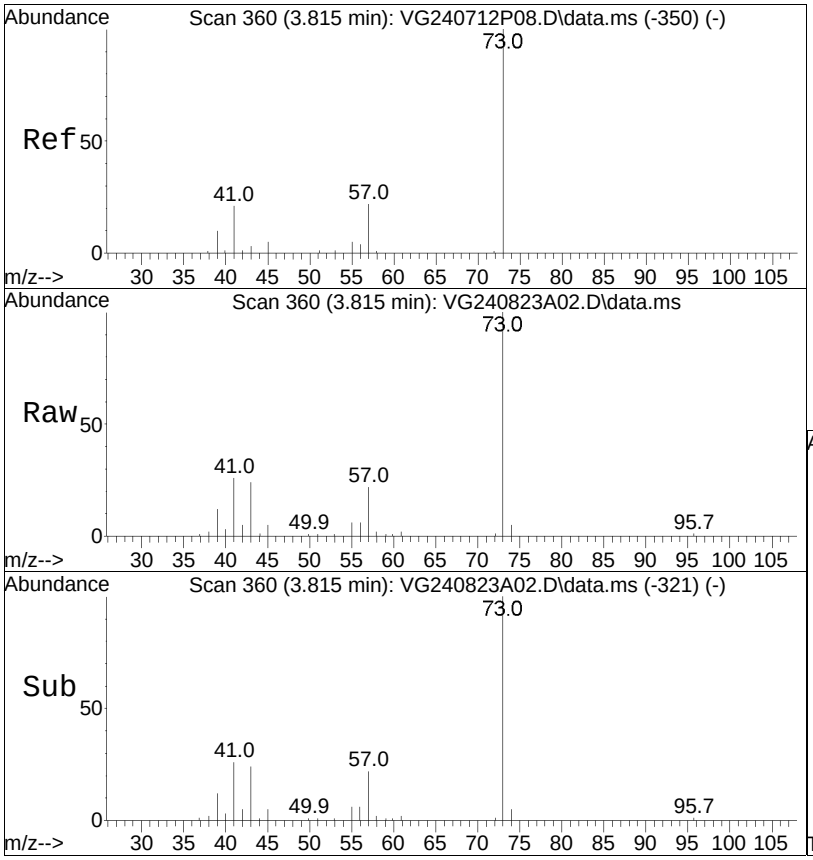


#19
Methyl acetate
Concen: 11.20 ug/L
RT: 3.731 min Scan# 349
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 43 Resp: 45196

Ion	Ratio	Lower	Upper
43	100		
74	17.8	19.3	28.9#
59	16.6	13.9	20.9

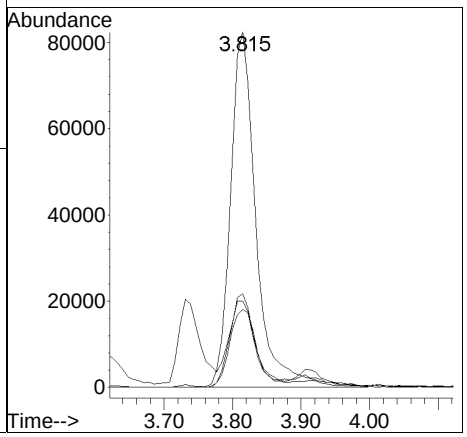


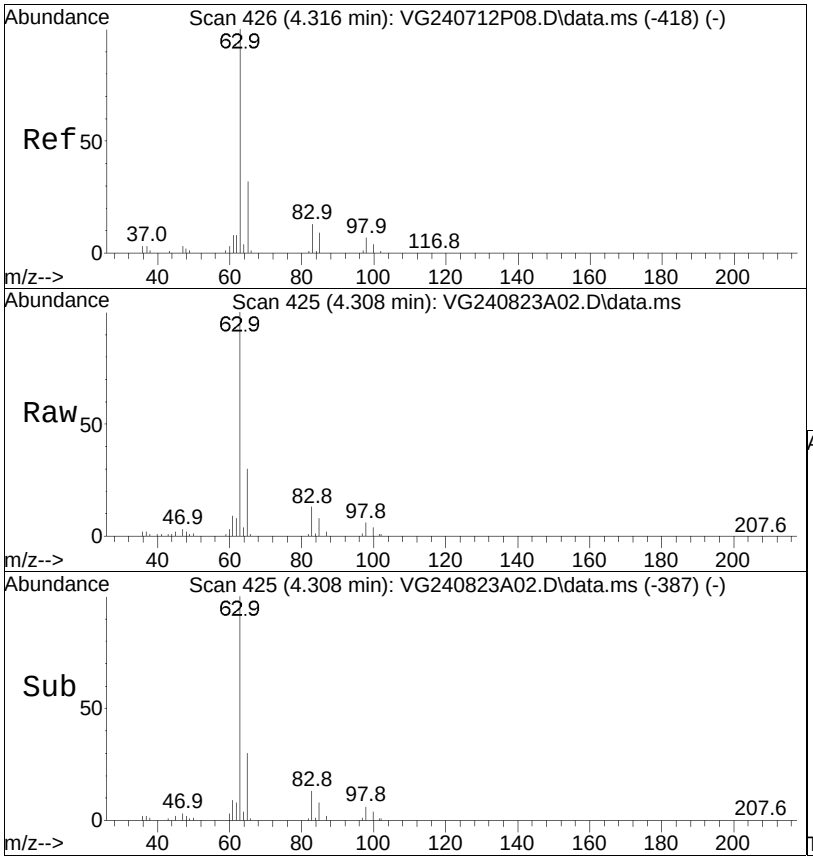


#20
Methyl tert-butyl ether
Concen: 9.67 ug/L
RT: 3.815 min Scan# 360
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 73 Resp: 215862

Ion	Ratio	Lower	Upper
73	100		
57	22.4	12.5	26.1
43	25.9	13.0	27.0
41	25.6	12.5	26.1

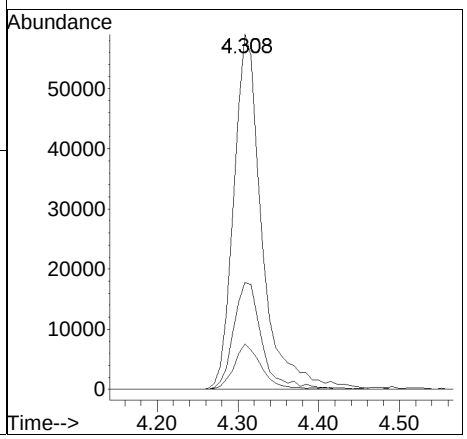


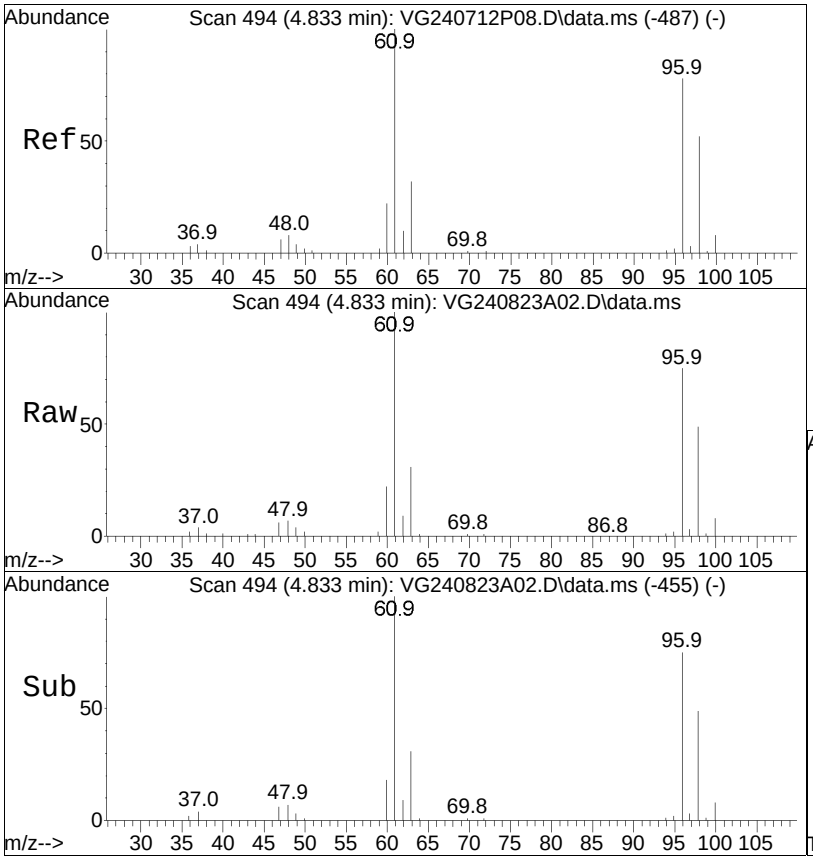


#23
1,1-Dichloroethane
Concen: 10.92 ug/L
RT: 4.308 min Scan# 425
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 63 Resp: 143538

Ion	Ratio	Lower	Upper
63	100		
65	30.4	10.4	50.4
83	12.3	0.0	33.2

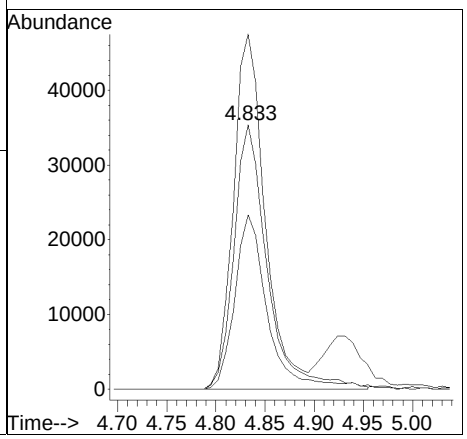


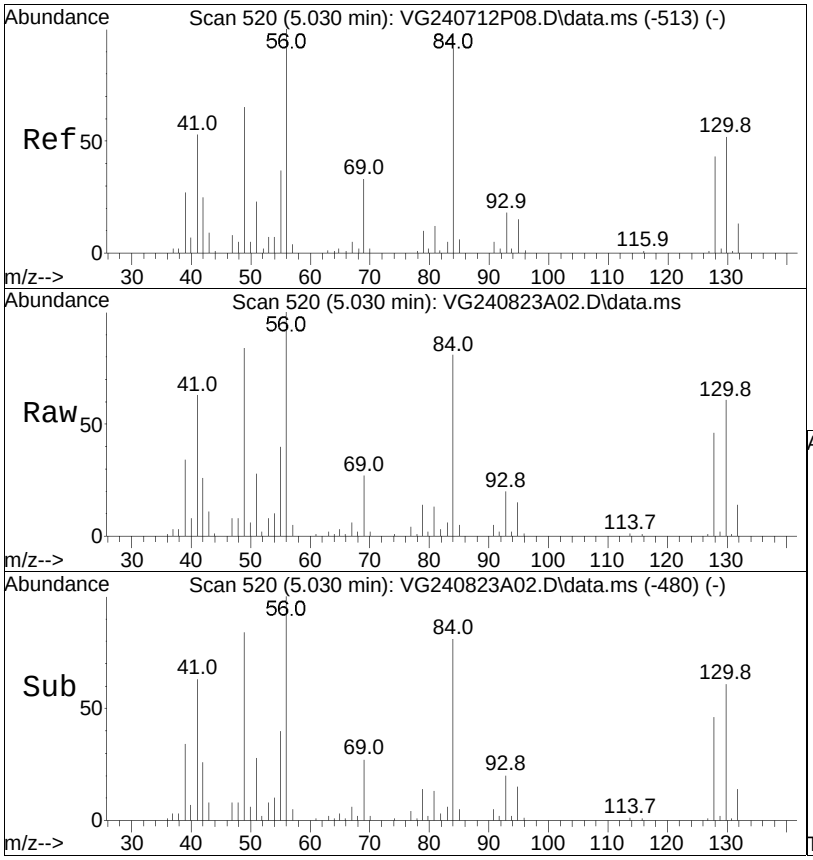


#28
cis-1,2-Dichloroethene
Concen: 10.01 ug/L
RT: 4.833 min Scan# 494
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 96 Resp: 83536

Ion	Ratio	Lower	Upper
96	100		
61	126.7	96.6	144.8
98	66.1	51.3	76.9

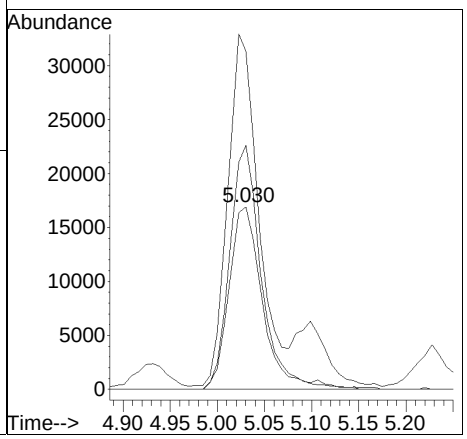


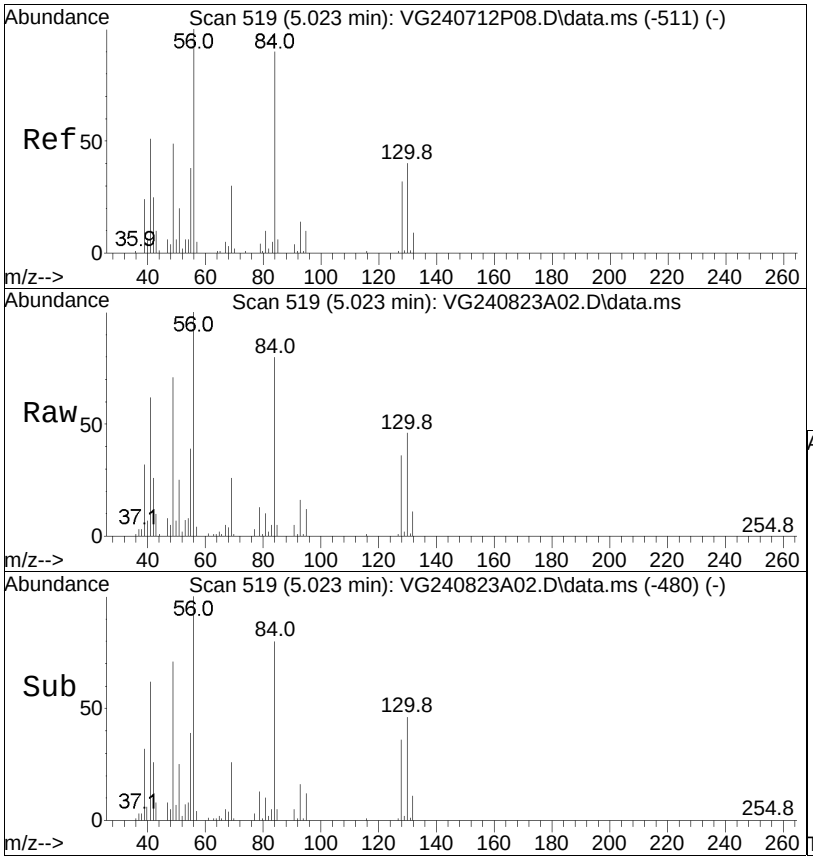


#30
Bromochloromethane
Concen: 10.27 ug/L
RT: 5.030 min Scan# 520
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:128 Resp: 41951

Ion	Ratio	Lower	Upper
128	100		
49	178.4	112.7	169.1#
130	126.1	103.3	154.9

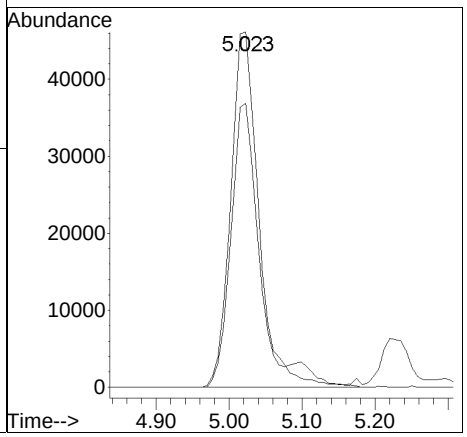


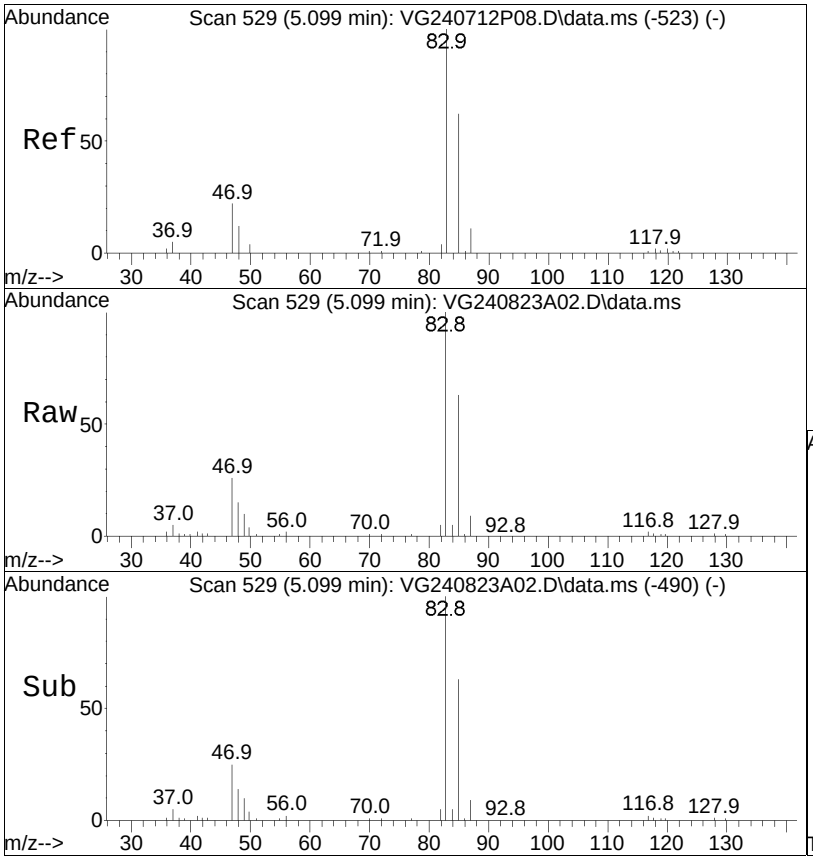


#31
Cyclohexane
Concen: 9.94 ug/L
RT: 5.023 min Scan# 519
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 56 Resp: 124035

Ion	Ratio	Lower	Upper
56	100		
84	76.6	63.8	132.4

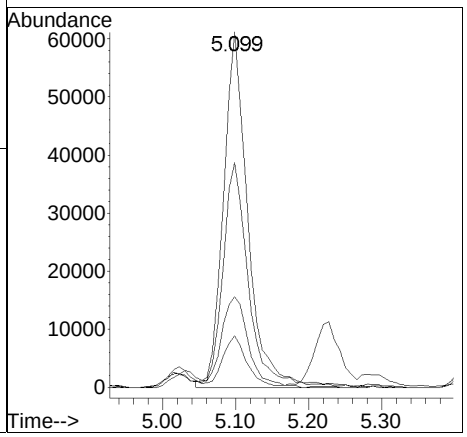


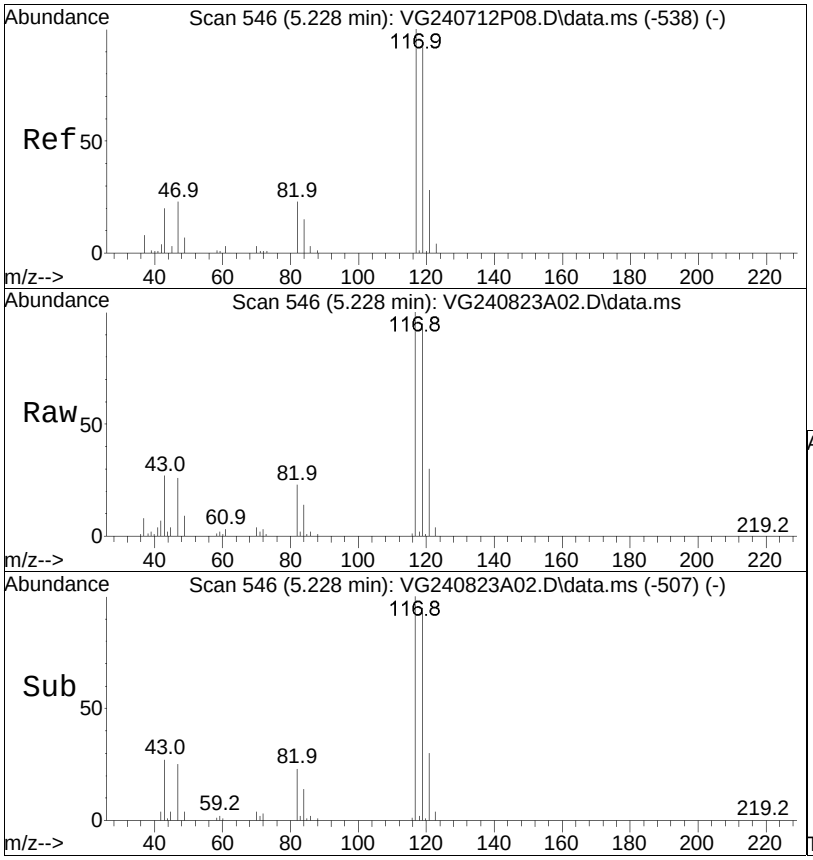


#32
Chloroform
Concen: 10.69 ug/L
RT: 5.099 min Scan# 529
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 83 Resp: 143904

Ion	Ratio	Lower	Upper
83	100		
85	62.3	41.4	86.0
47	27.0	15.1	31.3
48	14.8	7.7	16.1

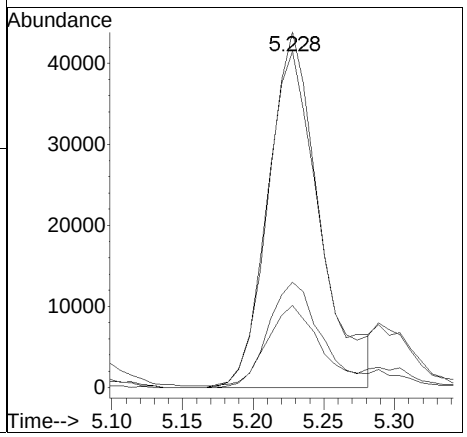


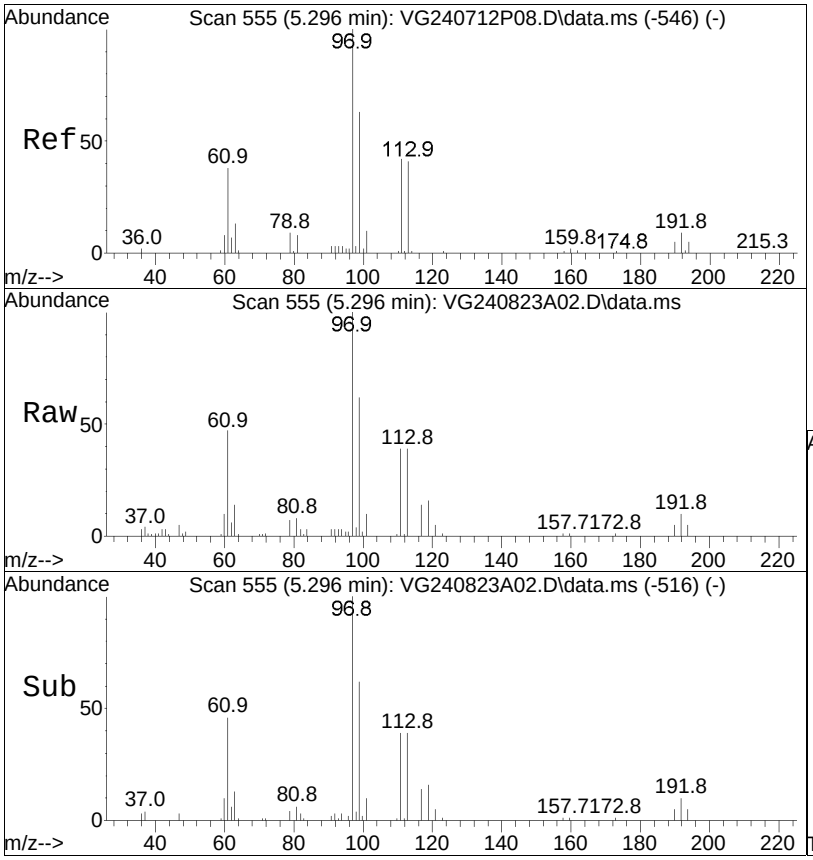


#34
Carbon tetrachloride
Concen: 10.10 ug/L
RT: 5.228 min Scan# 546
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:117 Resp: 110134

Ion	Ratio	Lower	Upper
117	100		
119	94.8	63.2	131.2
121	30.0	20.4	42.4
82	24.0	15.4	32.0

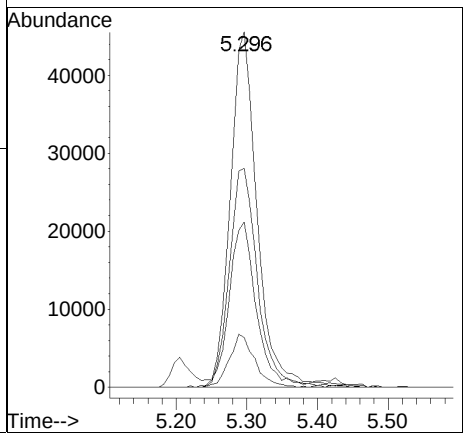


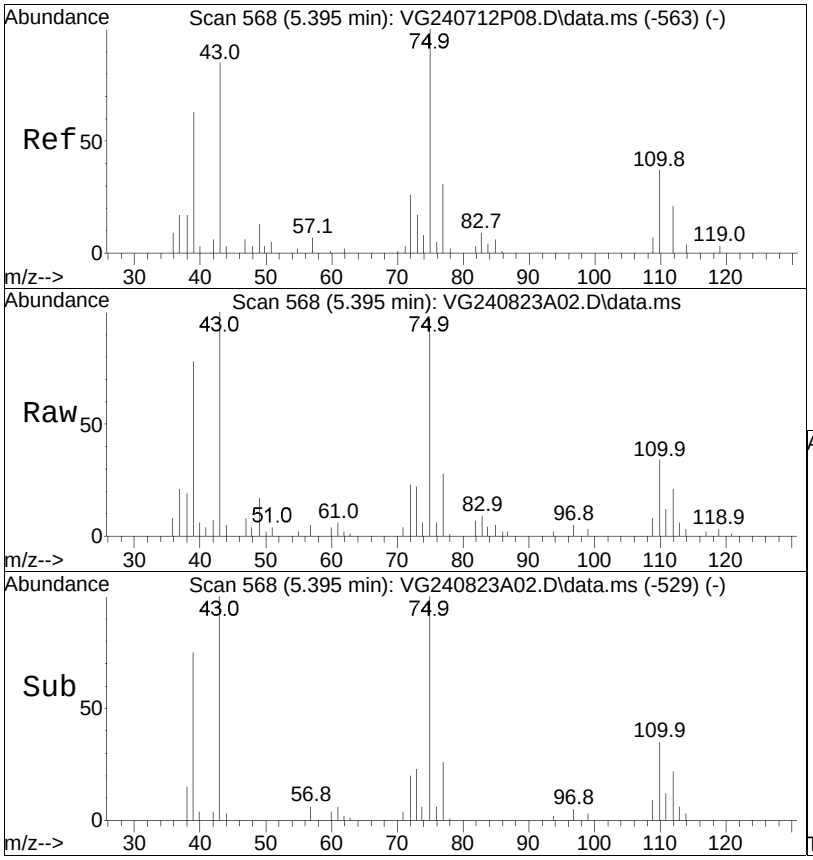


#37
1,1,1-Trichloroethane
Concen: 9.81 ug/L
RT: 5.296 min Scan# 555
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 97 Resp: 121840

Ion	Ratio	Lower	Upper
97	100		
99	64.3	41.3	85.7
61	46.7	26.0	54.0
63	14.3	8.6	18.0

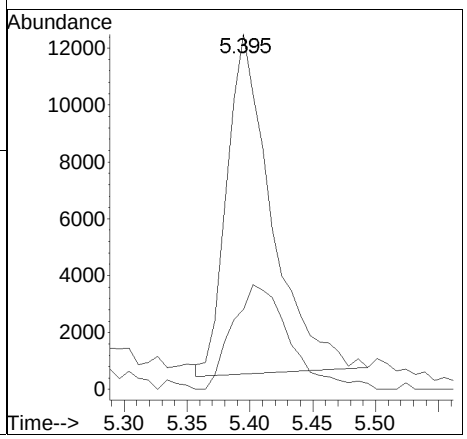


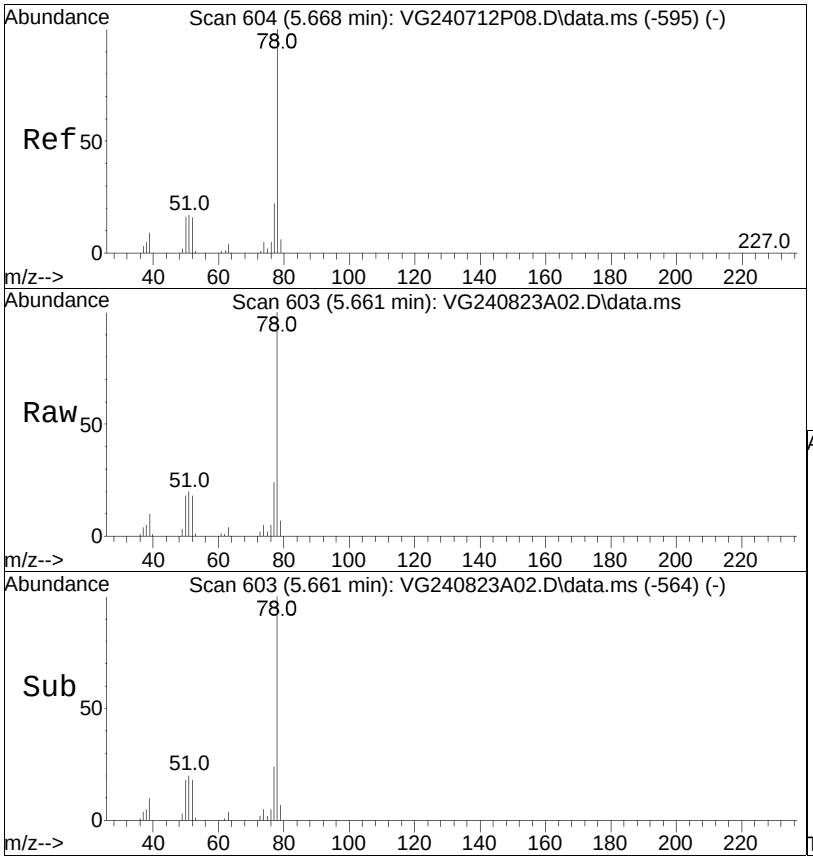


#39
2-Butanone
Concen: 11.67 ug/L
RT: 5.395 min Scan# 568
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 43 Resp: 29688

Ion	Ratio	Lower	Upper
43	100		
72	39.4	42.6	63.8#

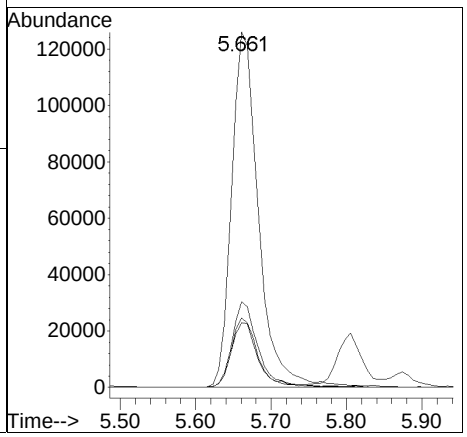


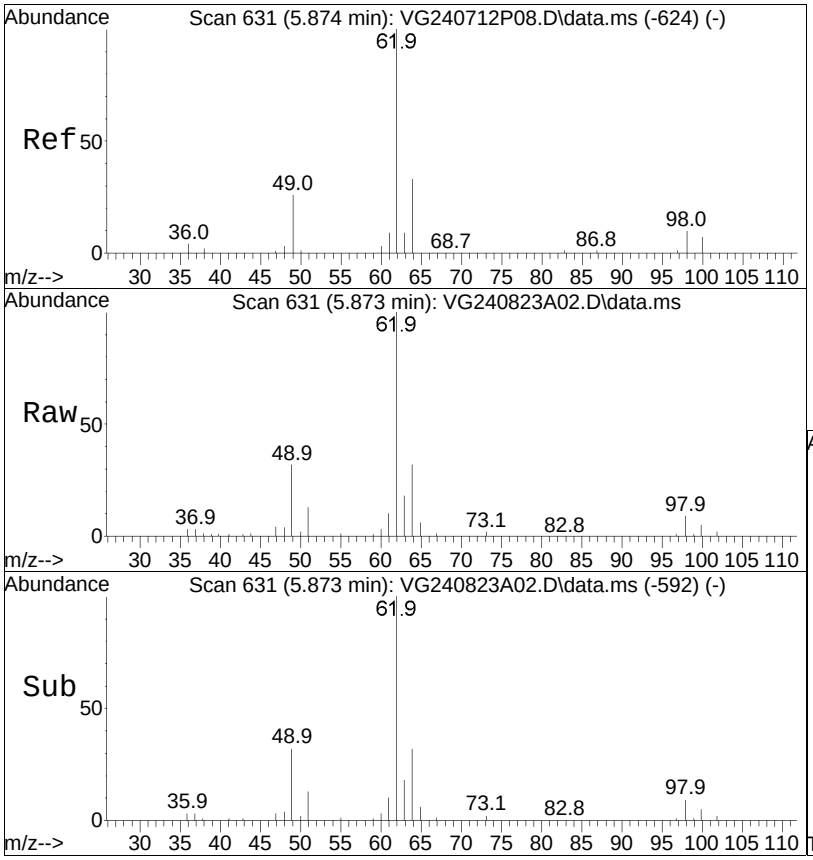


#41
Benzene
Concen: 10.45 ug/L
RT: 5.661 min Scan# 603
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 78 Resp: 314169

Ion	Ratio	Lower	Upper
78	100		
77	23.2	15.5	32.1
51	18.9	9.9	20.7
52	18.1	9.2	19.2

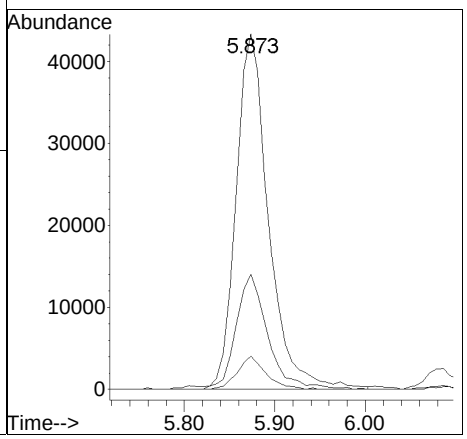


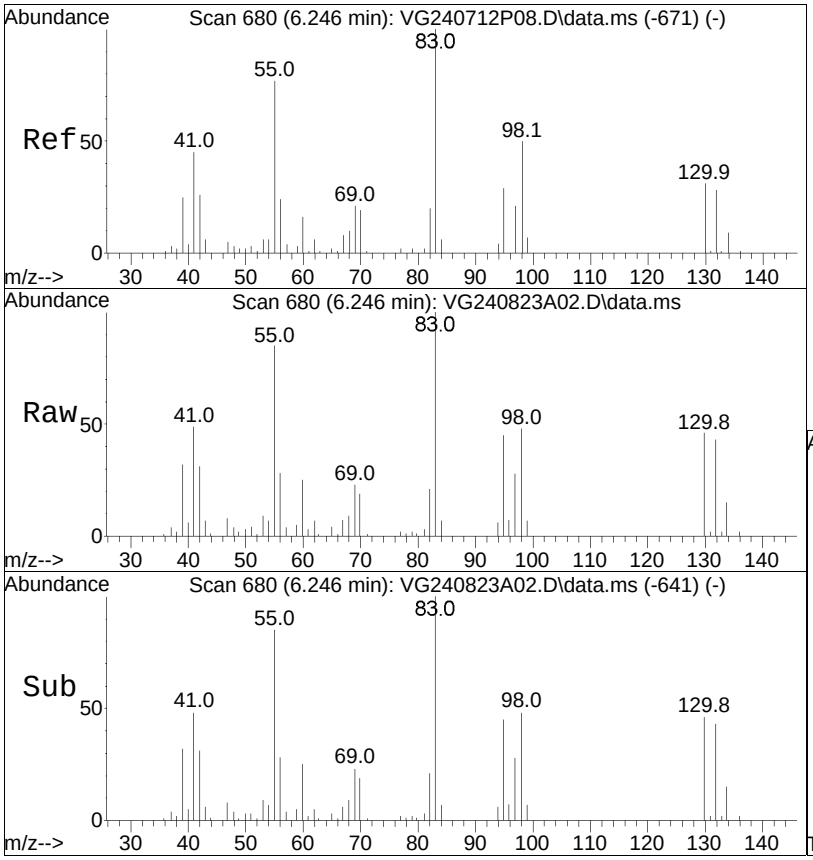


#44
1,2-Dichloroethane
Concen: 11.32 ug/L
RT: 5.873 min Scan# 631
Delta R.T. -0.001 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 62 Resp: 108474

Ion	Ratio	Lower	Upper
62	100		
64	32.3	11.9	51.9
98	8.3	0.0	29.3

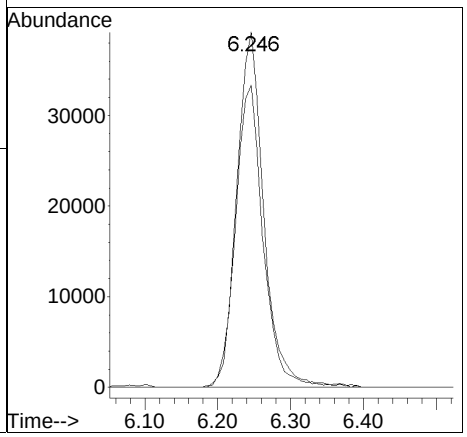


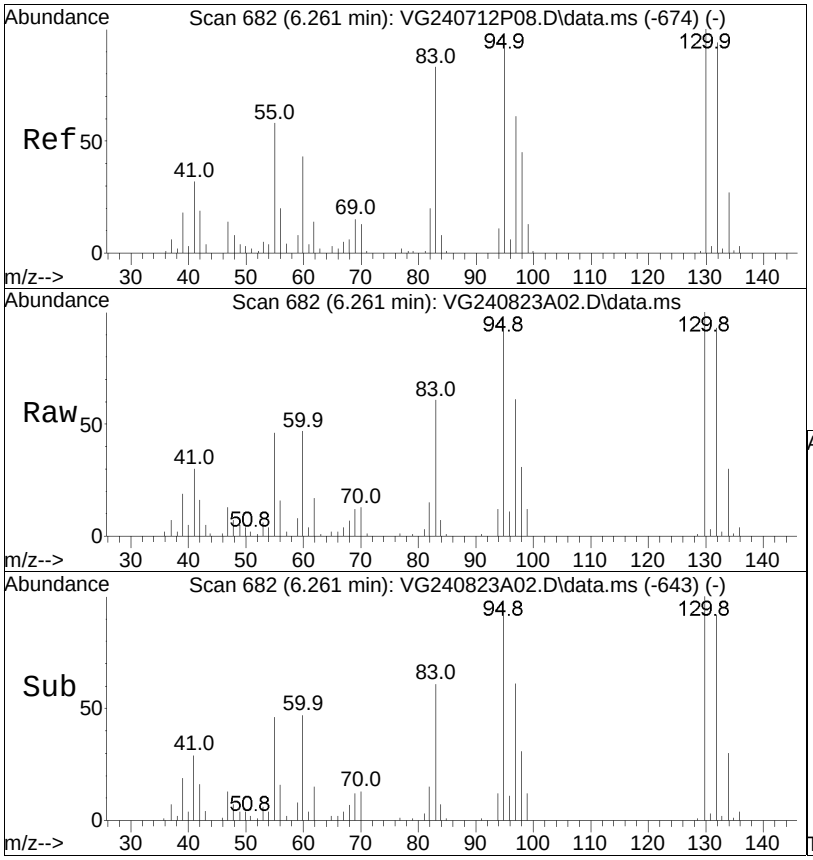


#47
Methyl cyclohexane
Concen: 8.71 ug/L
RT: 6.246 min Scan# 680
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 83 Resp: 101753

Ion	Ratio	Lower	Upper
83	100		
55	86.0	56.0	84.0#

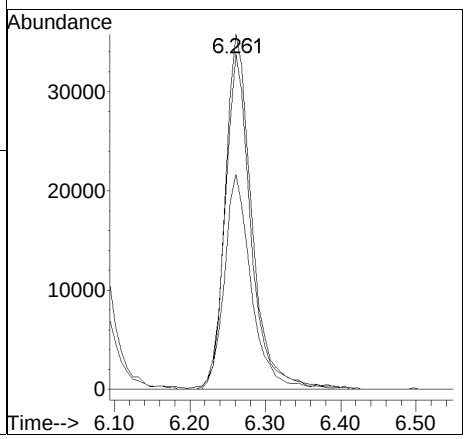


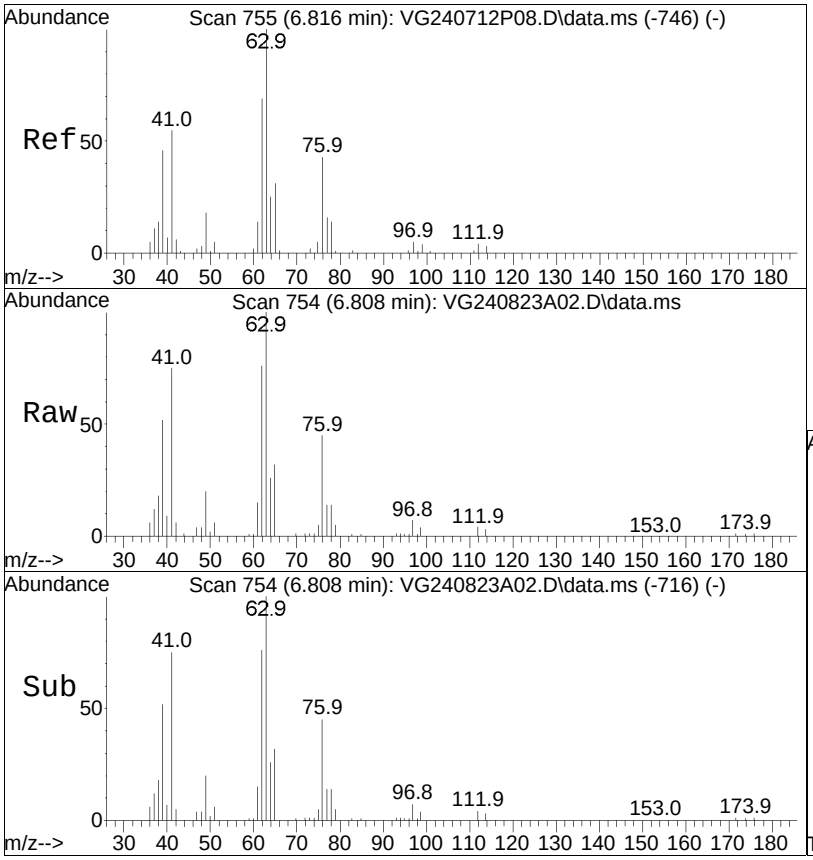


#48
Trichloroethene
Concen: 9.61 ug/L
RT: 6.261 min Scan# 682
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 95 Resp: 81429

Ion	Ratio	Lower	Upper
95	100		
97	66.8	54.0	81.0
130	106.6	85.0	127.4

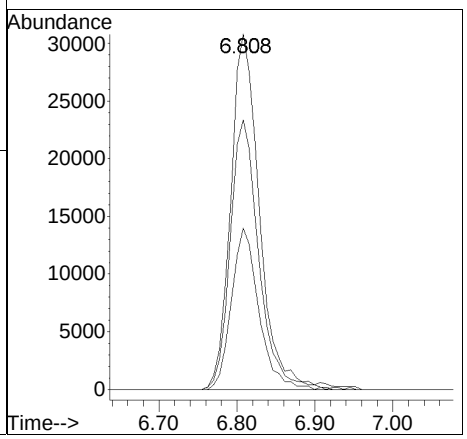


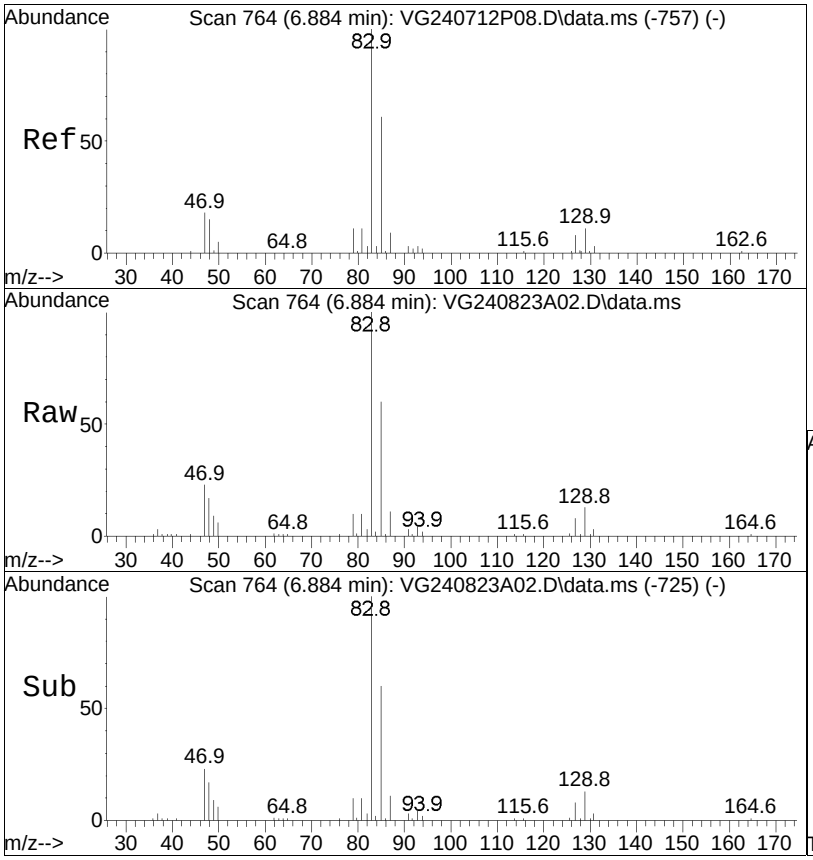


#51
1,2-Dichloropropane
Concen: 10.86 ug/L
RT: 6.808 min Scan# 754
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 63 Resp: 79639

Ion	Ratio	Lower	Upper
63	100		
62	74.5	56.5	84.7
76	42.8	34.6	52.0

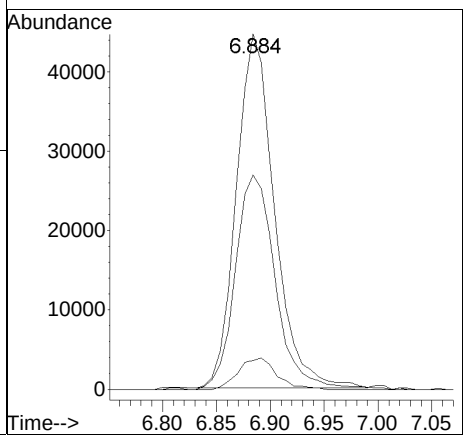


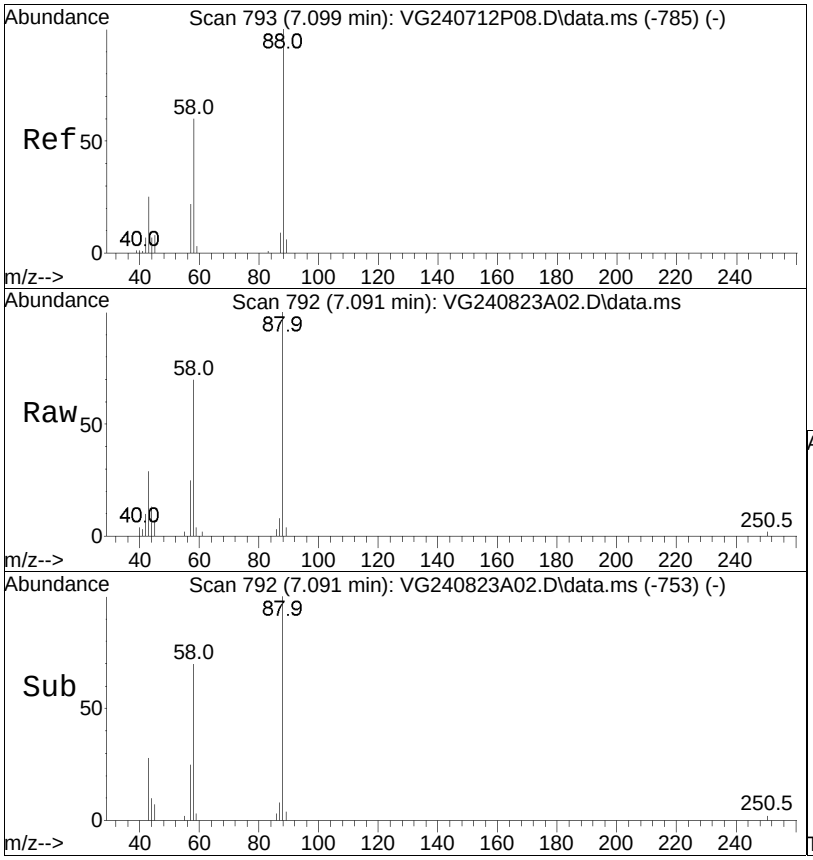


#54
Bromodichloromethane
Concen: 10.29 ug/L
RT: 6.884 min Scan# 764
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 83 Resp: 110135

Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.8	76.2
127	8.9	7.4	11.2

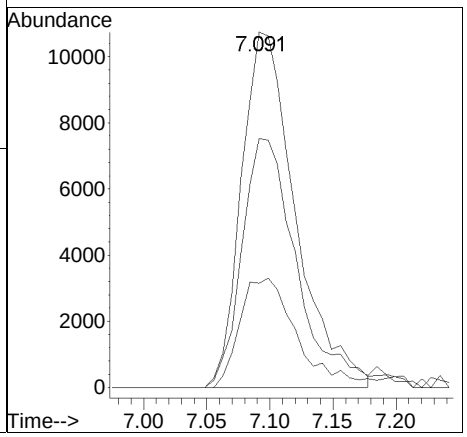


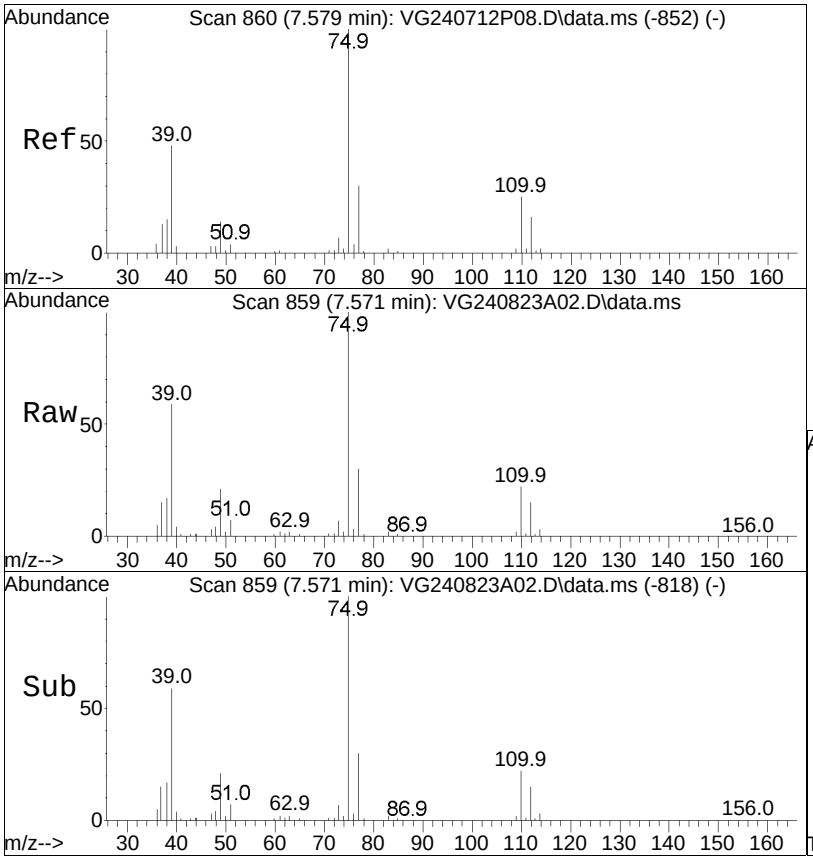


#57
1,4-Dioxane
Concen: 429.21 ug/L
RT: 7.091 min Scan# 792
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 88 Resp: 32016

Ion	Ratio	Lower	Upper
88	100		
58	72.2	48.7	73.1
43	32.7	22.4	33.6

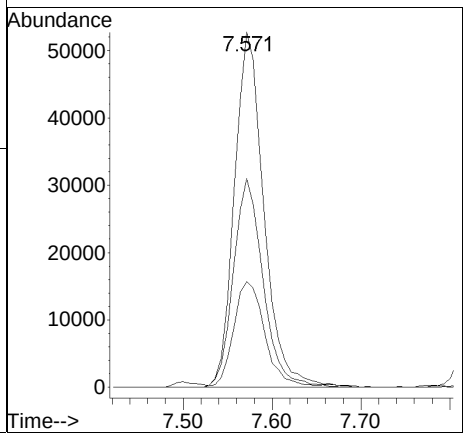


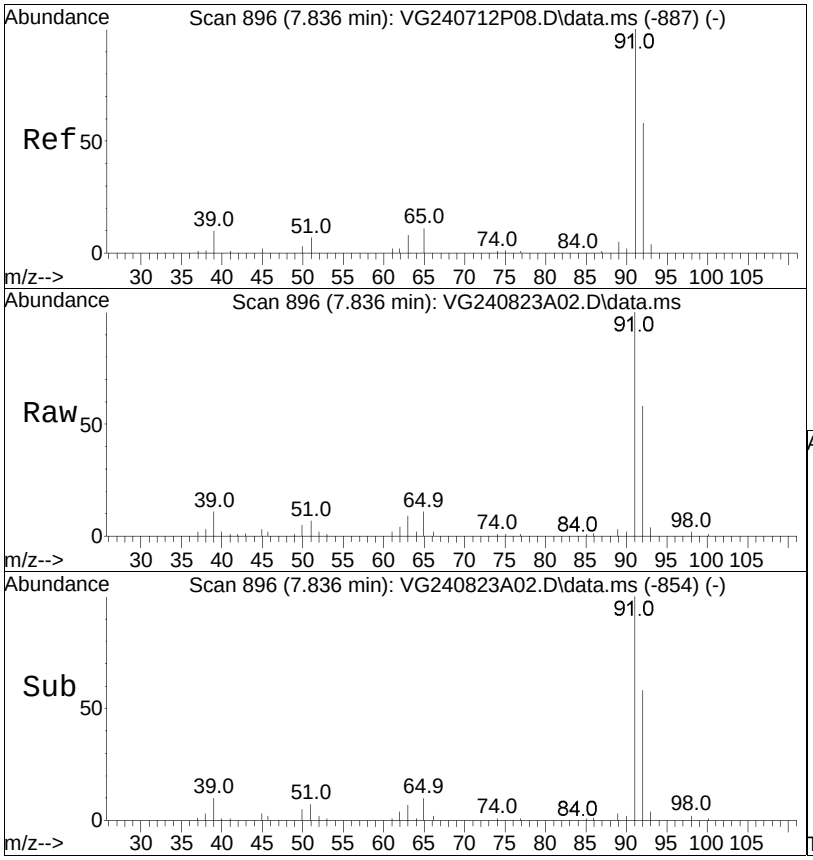


#58
cis-1,3-Dichloropropene
Concen: 10.18 ug/L
RT: 7.571 min Scan# 859
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 75 Resp: 121831

Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.6	36.8
39	59.5	40.8	61.2

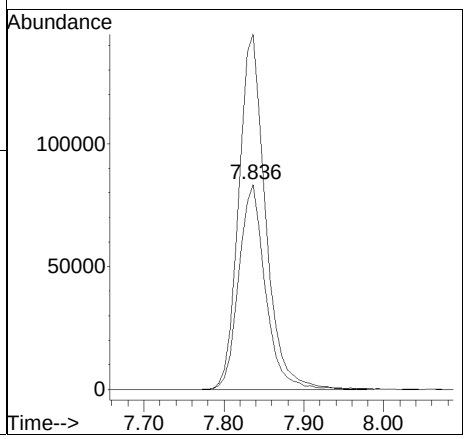


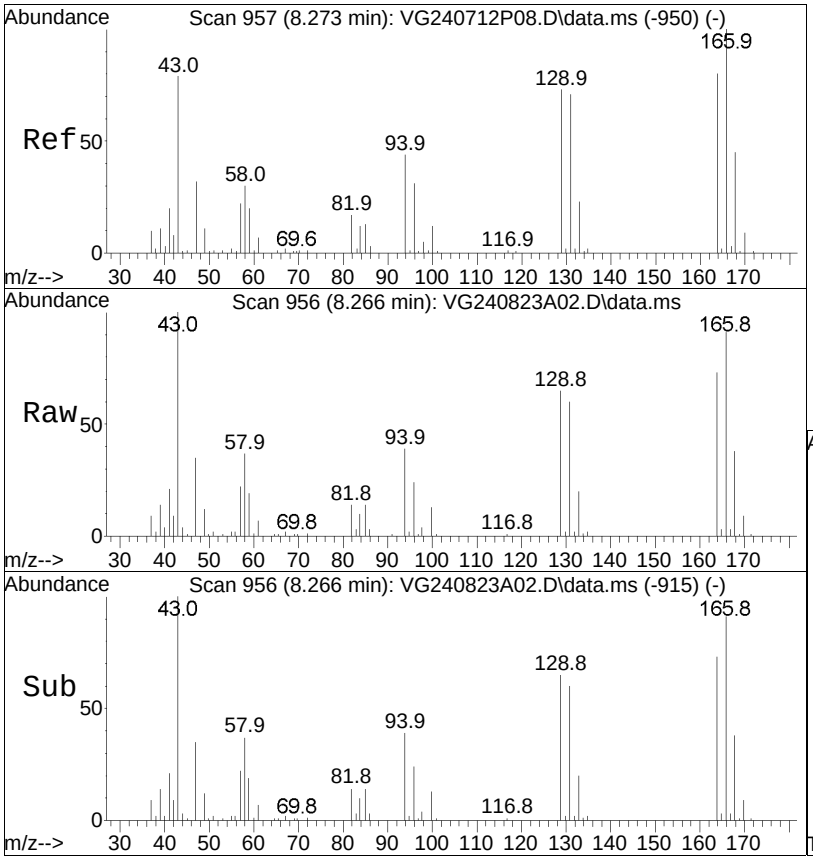


#61
Toluene
Concen: 10.30 ug/L
RT: 7.836 min Scan# 896
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 92 Resp: 192815

Ion	Ratio	Lower	Upper
92	100		
91	174.1	134.8	202.2

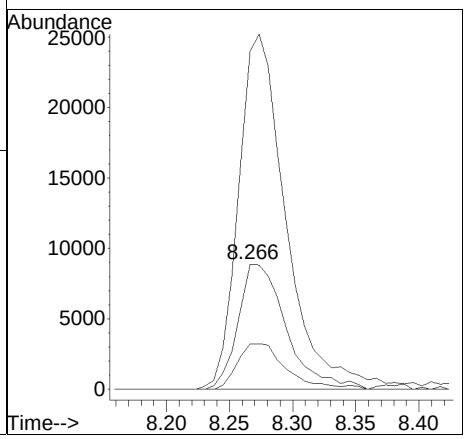


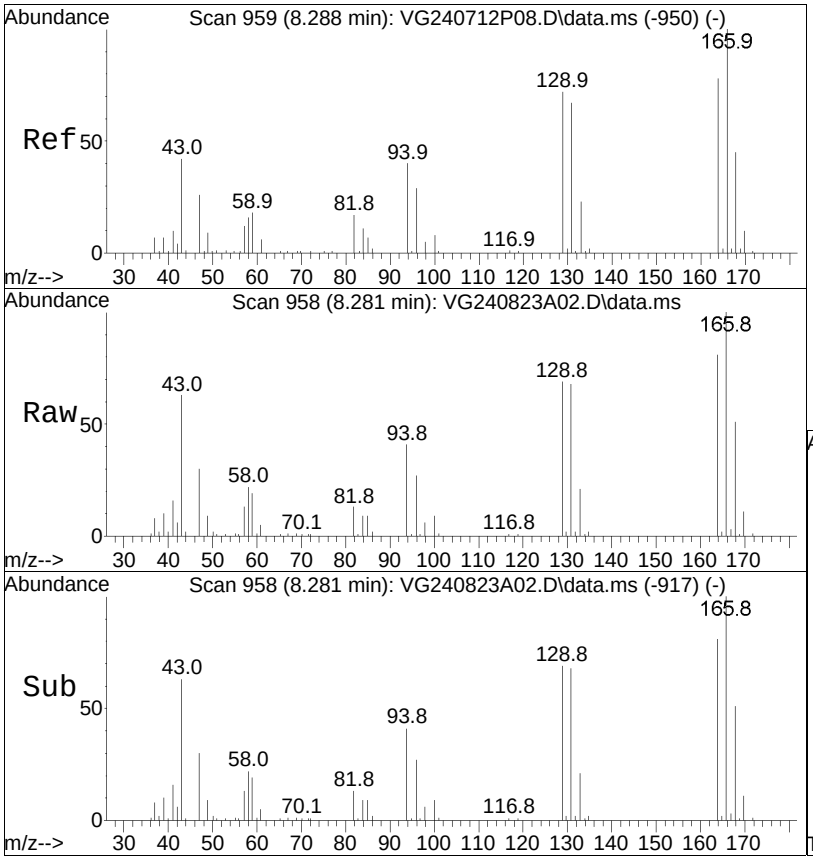


#62
4-Methyl-2-pentanone
Concen: 11.46 ug/L
RT: 8.266 min Scan# 956
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 58 Resp: 23637

Ion	Ratio	Lower	Upper
58	100		
100	37.1	33.6	50.4
43	281.6	204.3	306.5

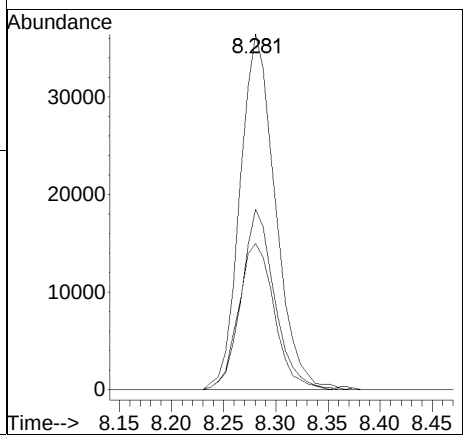


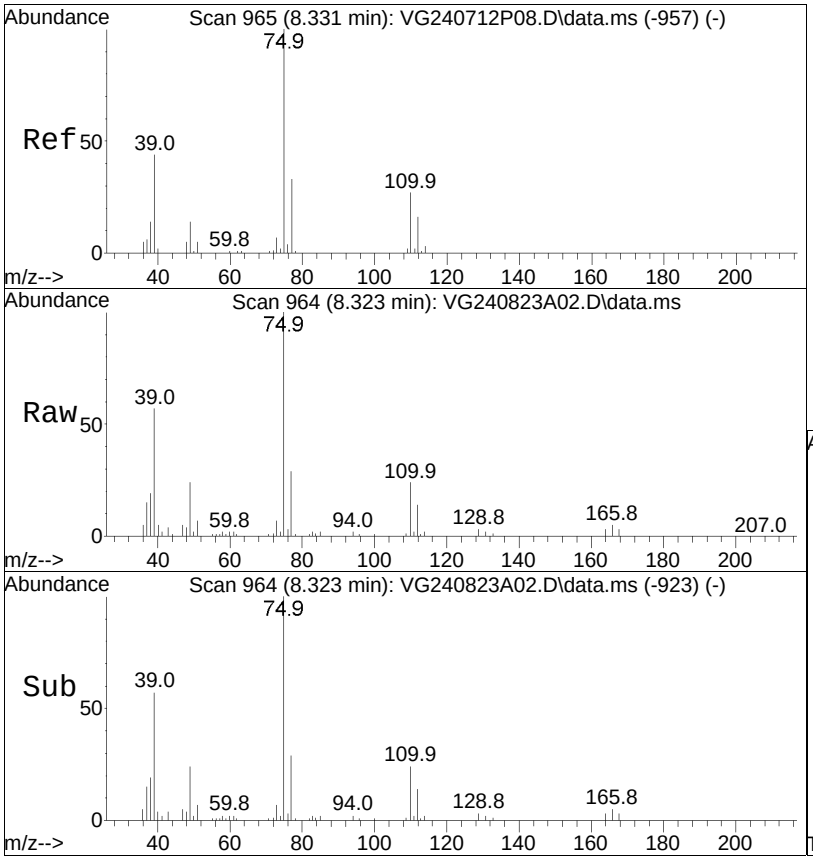


#63
Tetrachloroethene
Concen: 10.45 ug/L
RT: 8.281 min Scan# 958
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:166 Resp: 85847

Ion	Ratio	Lower	Upper
166	100		
168	47.5	27.3	67.3
94	41.6	20.5	60.5

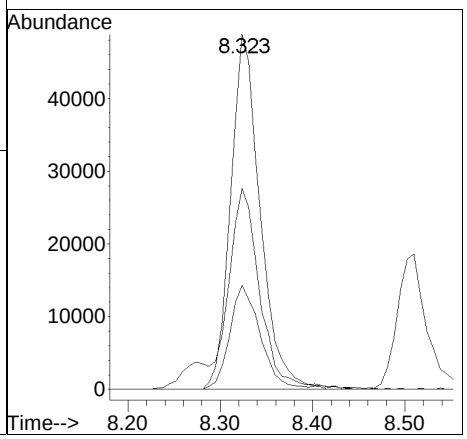


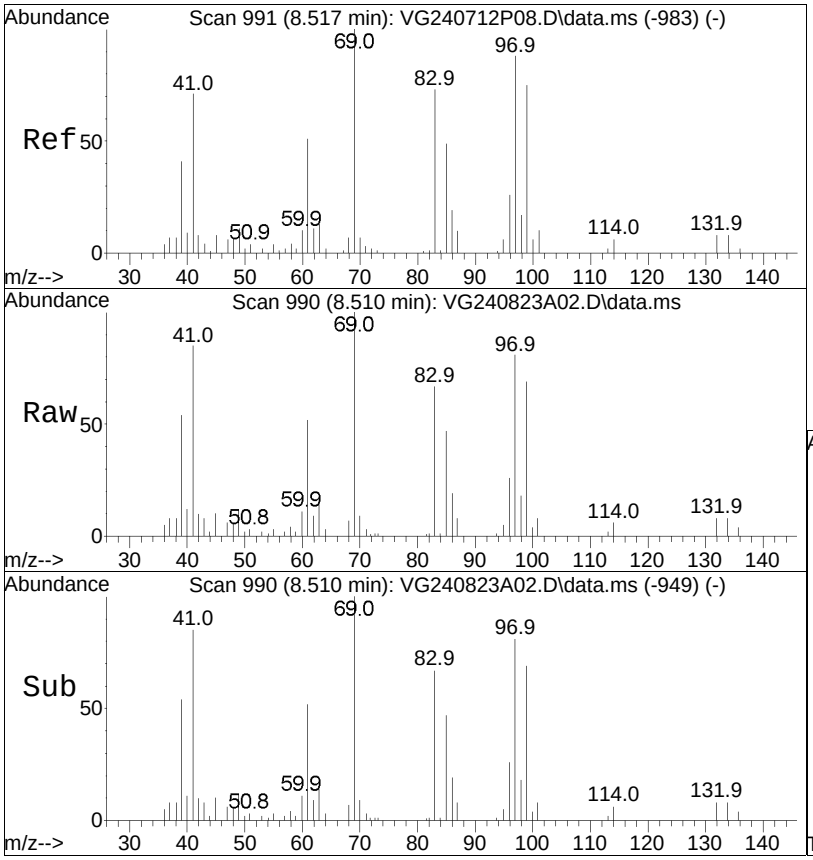


#65
trans-1,3-Dichloropropene
Concen: 10.64 ug/L
RT: 8.323 min Scan# 964
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 75 Resp: 109027

Ion	Ratio	Lower	Upper
75	100		
77	30.5	11.3	51.3
39	59.0	36.0	76.0

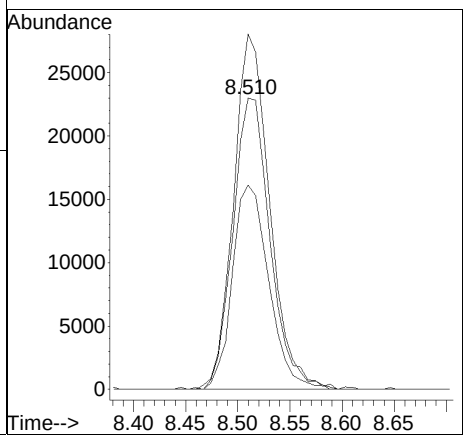


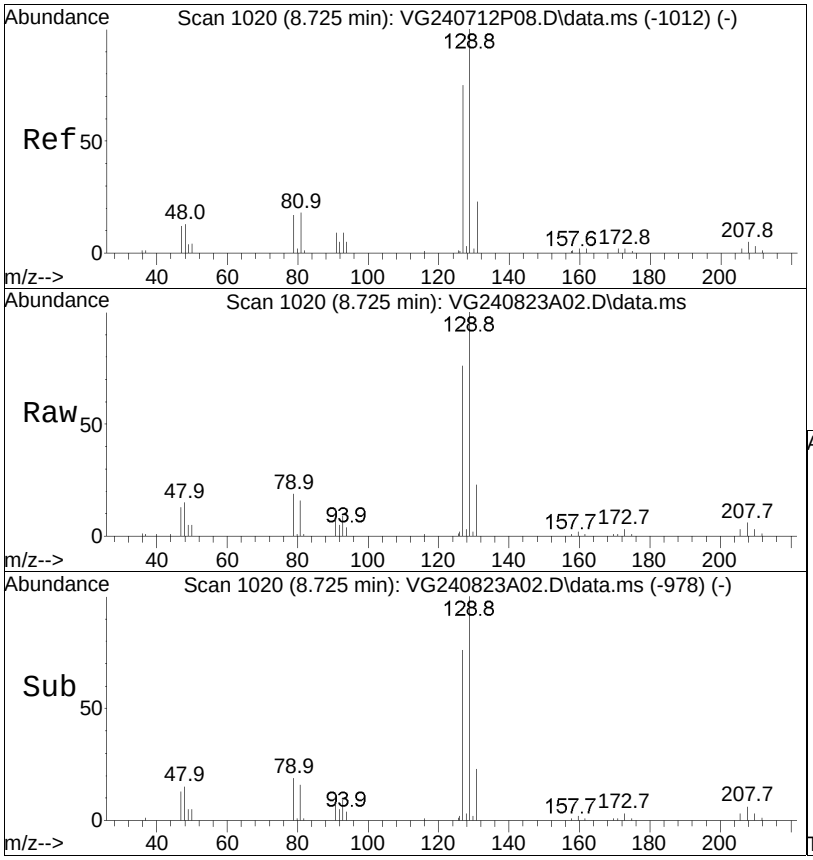


#68
1,1,2-Trichloroethane
Concen: 11.18 ug/L
RT: 8.510 min Scan# 990
Delta R.T. -0.007 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 83 Resp: 57393

Ion	Ratio	Lower	Upper
83	100		
97	117.3	101.0	141.0
85	68.7	47.9	87.9

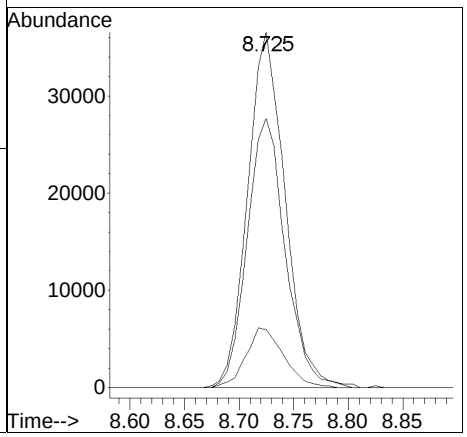


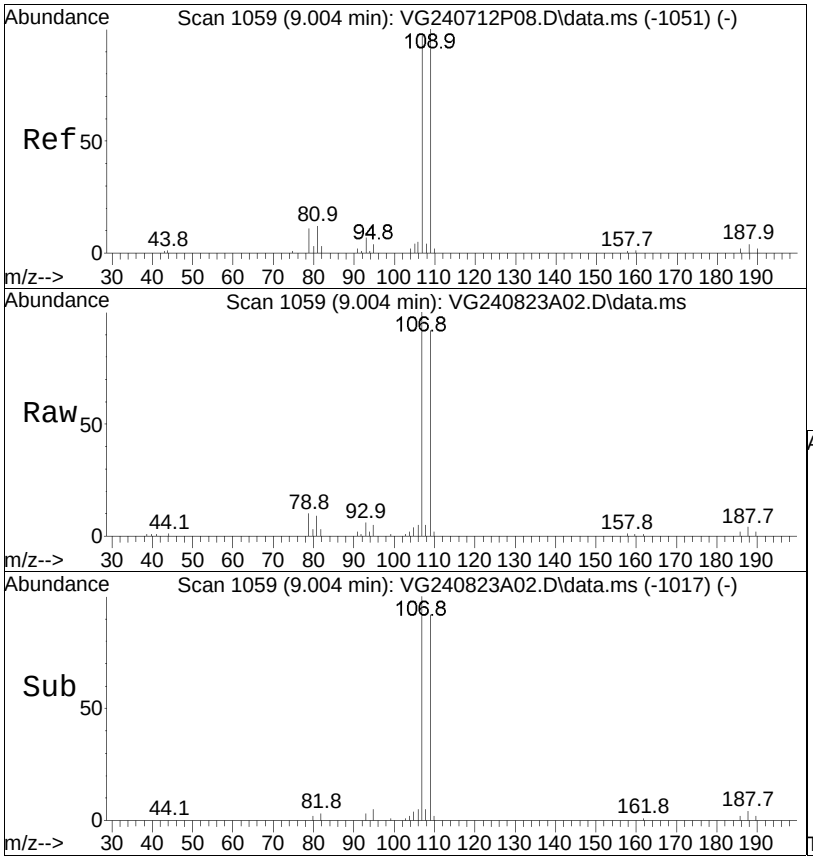


#69
Chlorodibromomethane
Concen: 10.73 ug/L
RT: 8.725 min Scan# 1020
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:129 Resp: 87107

Ion	Ratio	Lower	Upper
129	100		
81	16.9	0.0	35.0
127	77.0	57.1	97.1

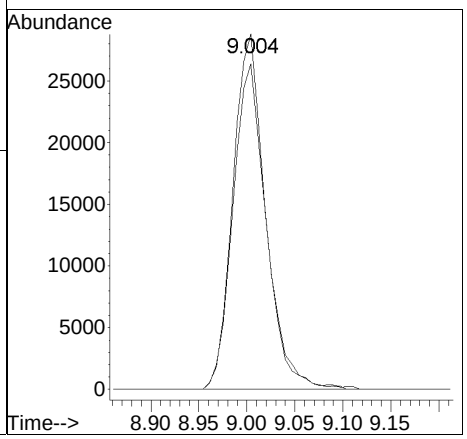


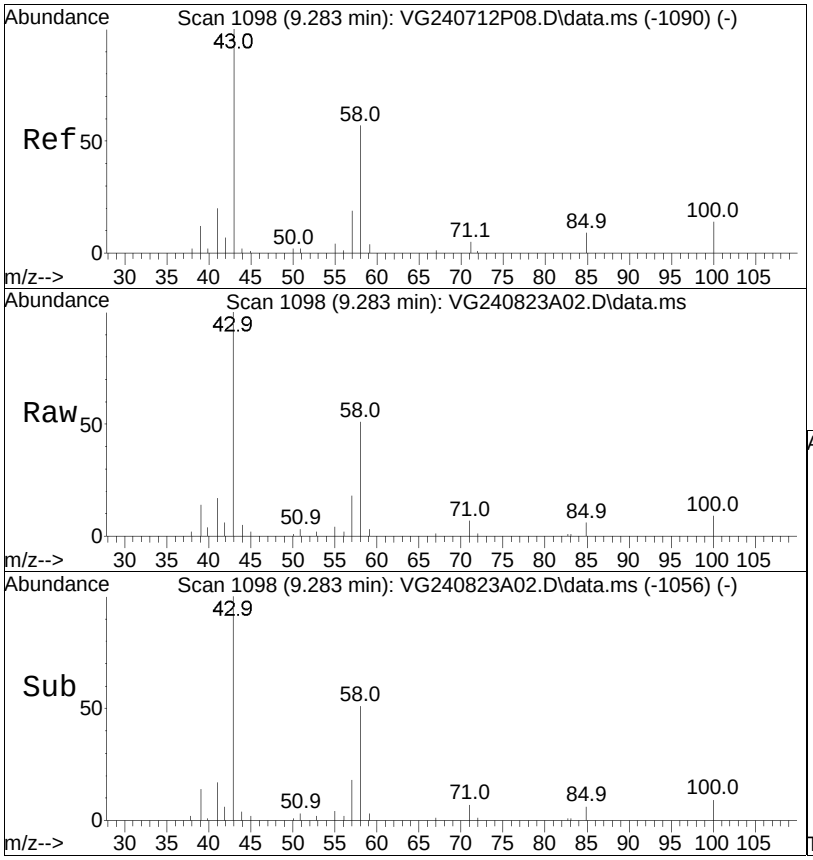


#71
1,2-Dibromoethane
Concen: 10.50 ug/L
RT: 9.004 min Scan# 1059
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:107 Resp: 68380

Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.0	114.0

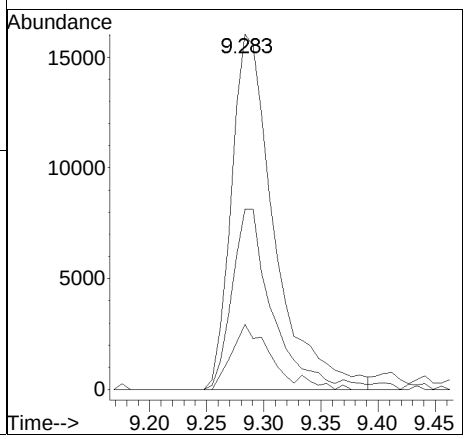


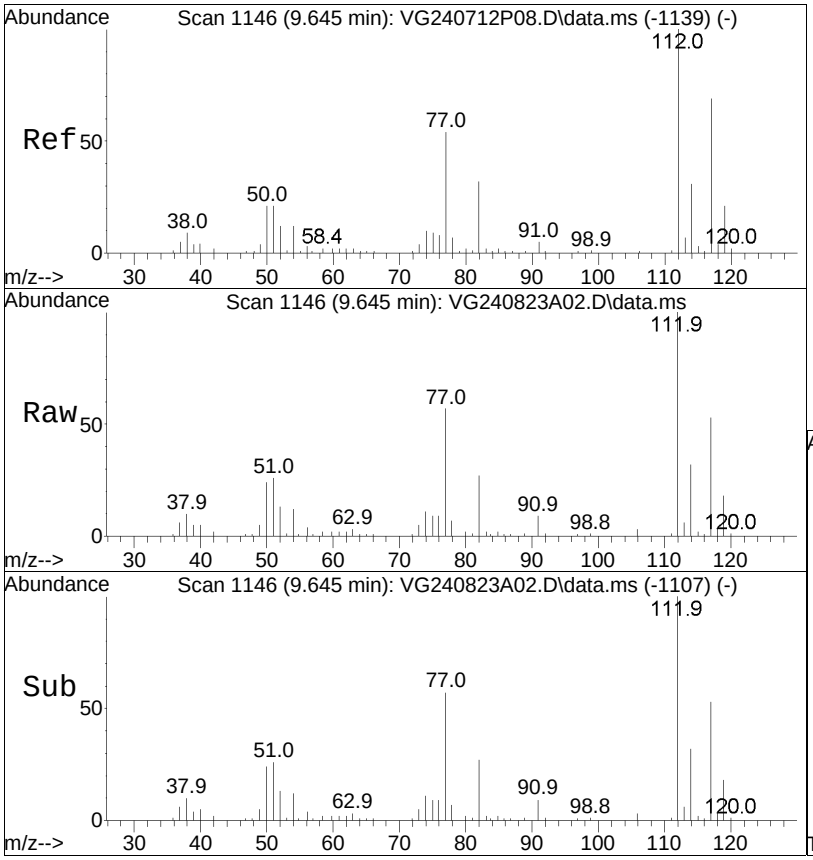


#72
2-Hexanone
Concen: 10.99 ug/L
RT: 9.283 min Scan# 1098
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 43 Resp: 42067

Ion	Ratio	Lower	Upper
43	100		
58	46.5	43.8	65.6
57	15.6	15.2	22.8

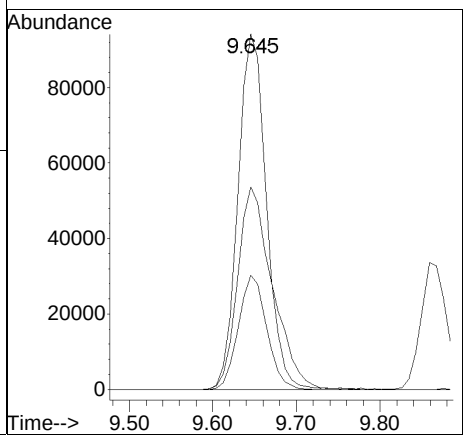


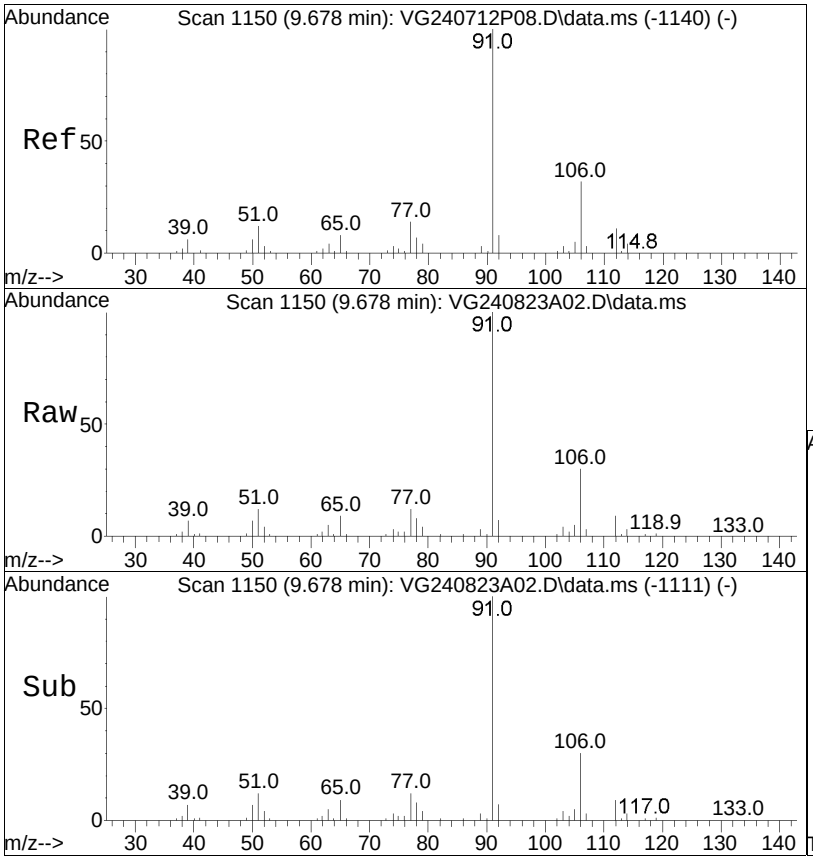


#73
Chlorobenzene
Concen: 10.66 ug/L
RT: 9.645 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:112 Resp: 222390

Ion	Ratio	Lower	Upper
112	100		
77	69.7	55.9	83.9
114	31.9	25.4	38.0

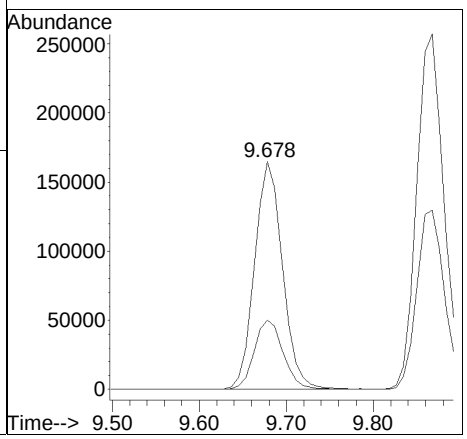


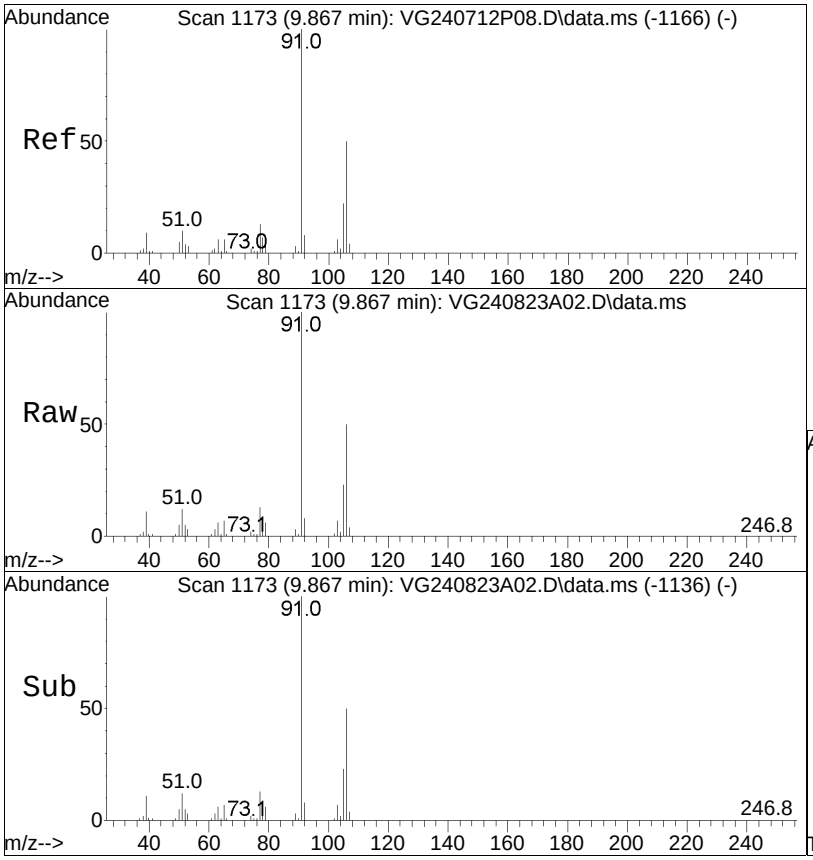


#74
Ethylbenzene
Concen: 10.32 ug/L
RT: 9.678 min Scan# 1150
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 91 Resp: 368577

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.3	37.9

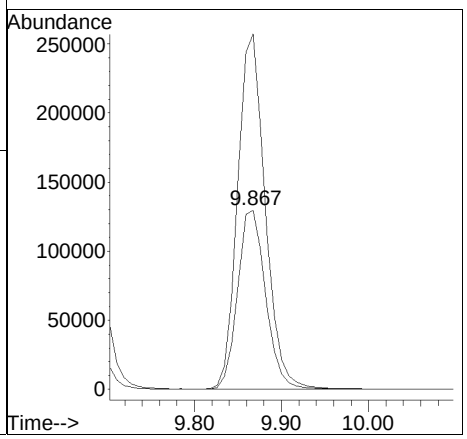


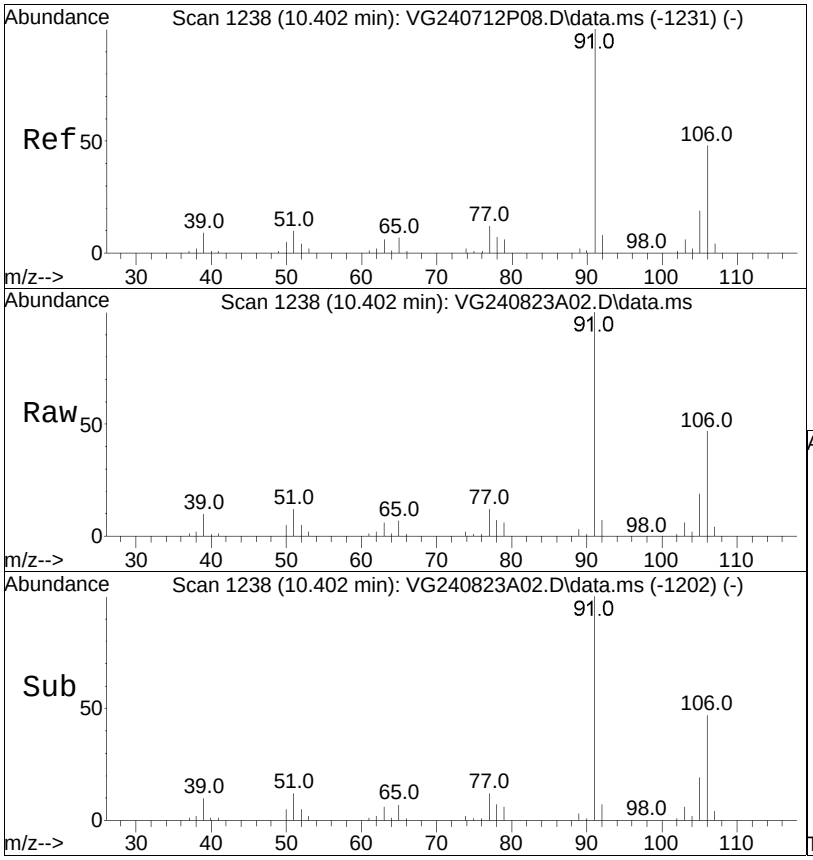


#76
p/m Xylene
Concen: 20.65 ug/L
RT: 9.867 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:106 Resp: 291750

Ion	Ratio	Lower	Upper
106	100		
91	194.2	157.1	235.7

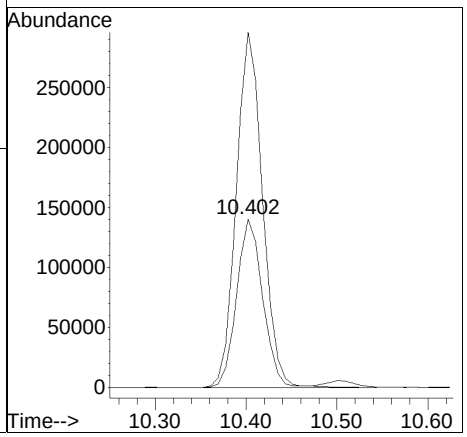


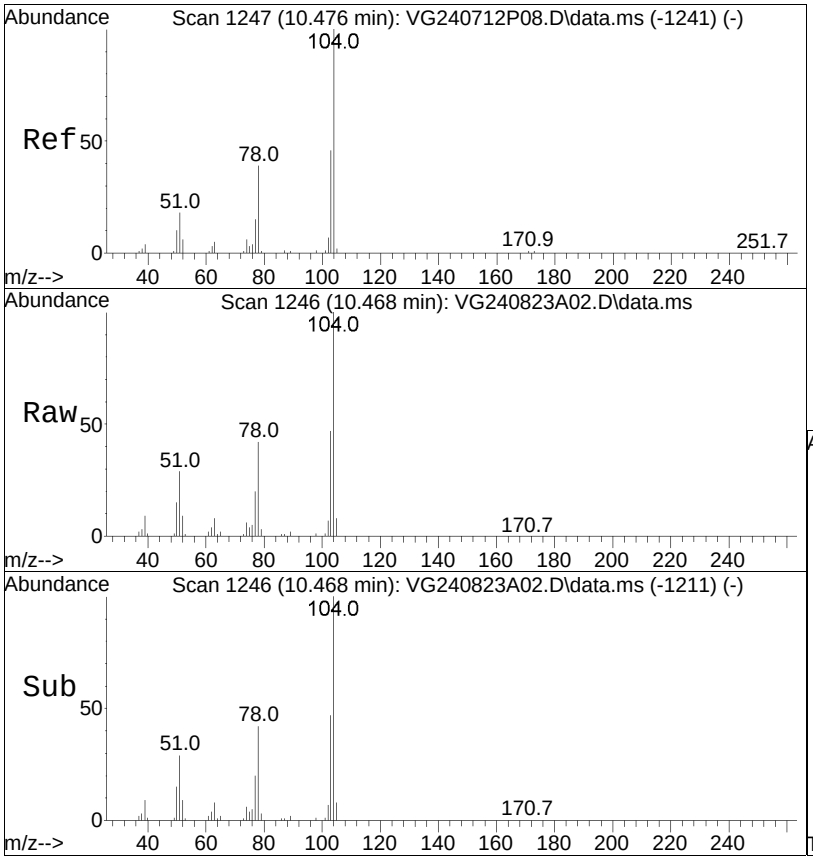


#77
o Xylene
Concen: 20.56 ug/L
RT: 10.402 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:106 Resp: 281335

Ion	Ratio	Lower	Upper
106	100		
91	210.1	164.7	247.1

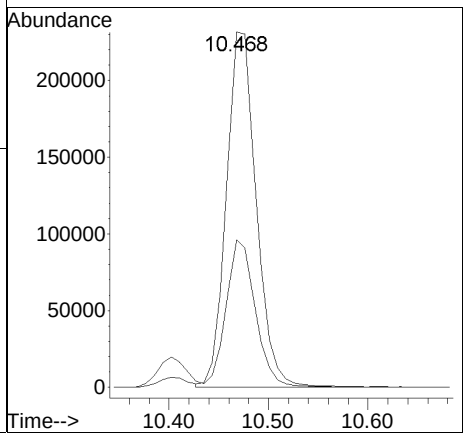


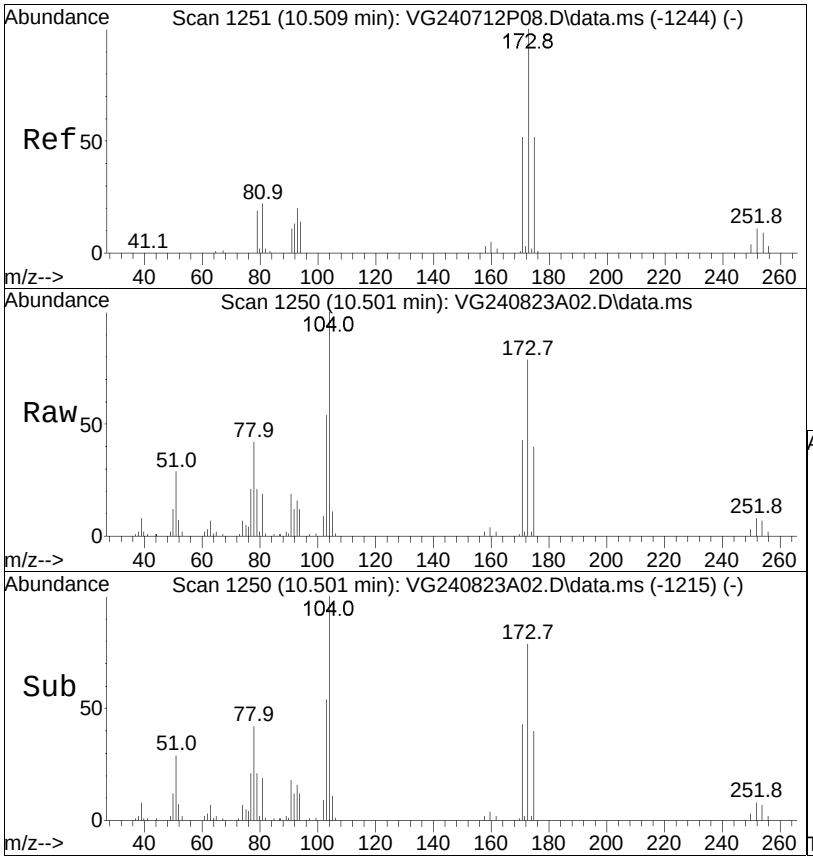


#78
Styrene
Concen: 20.82 ug/L
RT: 10.468 min Scan# 1246
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:104 Resp: 482822

Ion	Ratio	Lower	Upper
104	100		
78	40.6	32.2	48.4

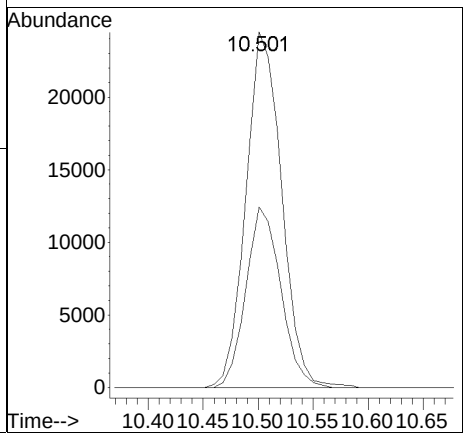


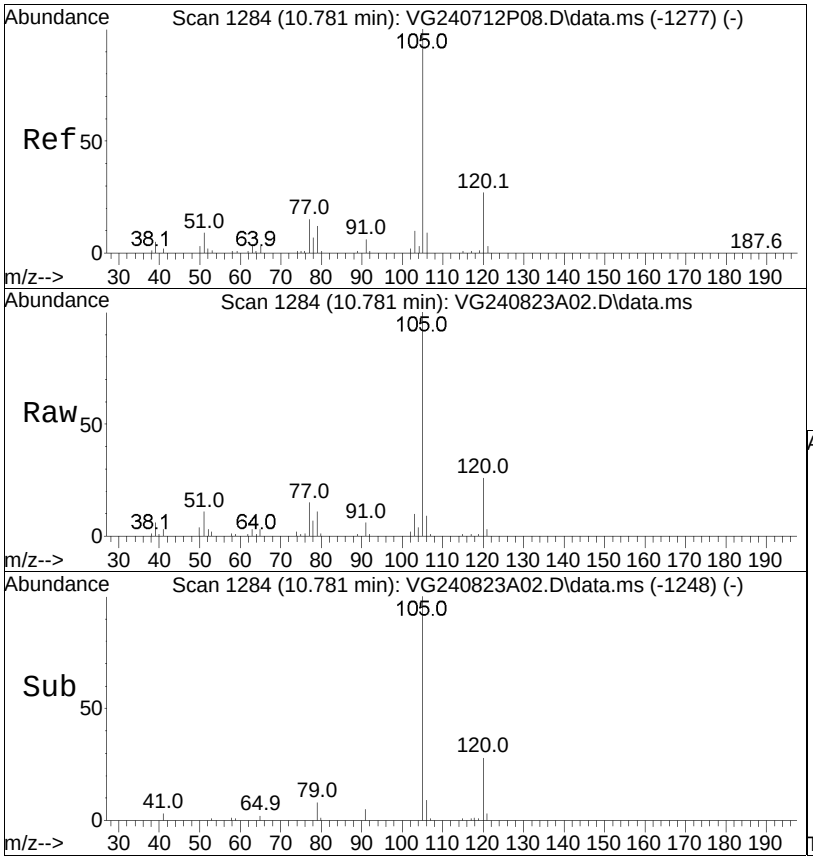


#80
Bromoform
Concen: 9.83 ug/L
RT: 10.501 min Scan# 1250
Delta R.T. -0.008 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:173 Resp: 55276

Ion	Ratio	Lower	Upper
173	100		
175	49.5	28.0	68.0

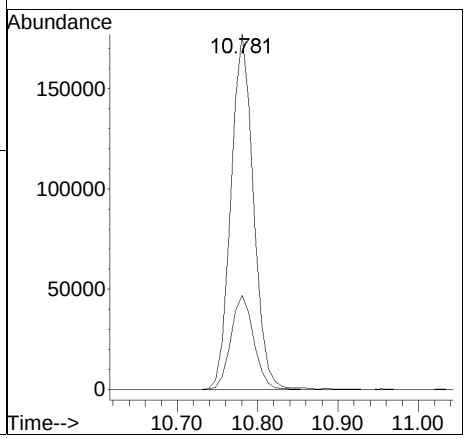


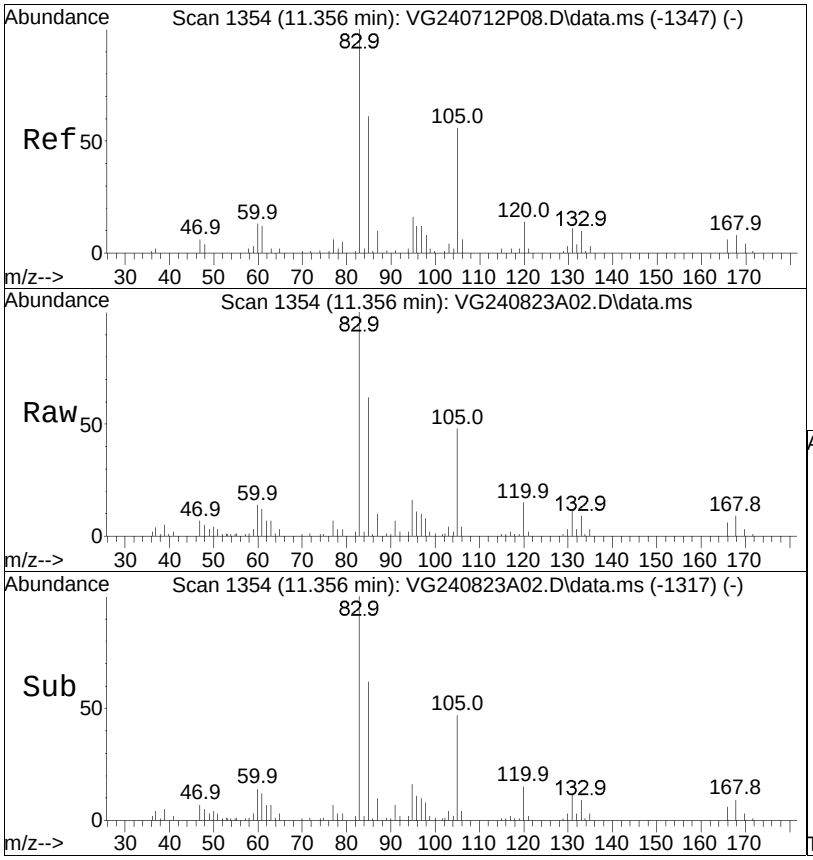


#82
Isopropylbenzene
Concen: 9.72 ug/L
RT: 10.781 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:105 Resp: 345364

Ion	Ratio	Lower	Upper
105	100		
120	26.7	7.0	47.0

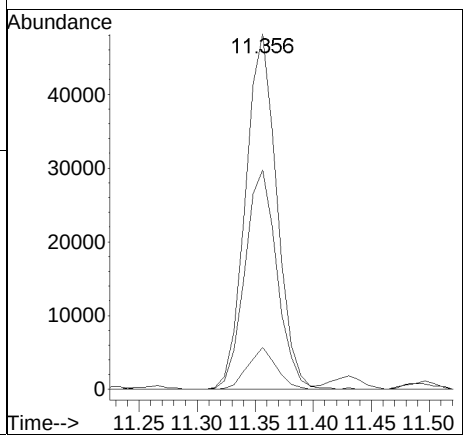


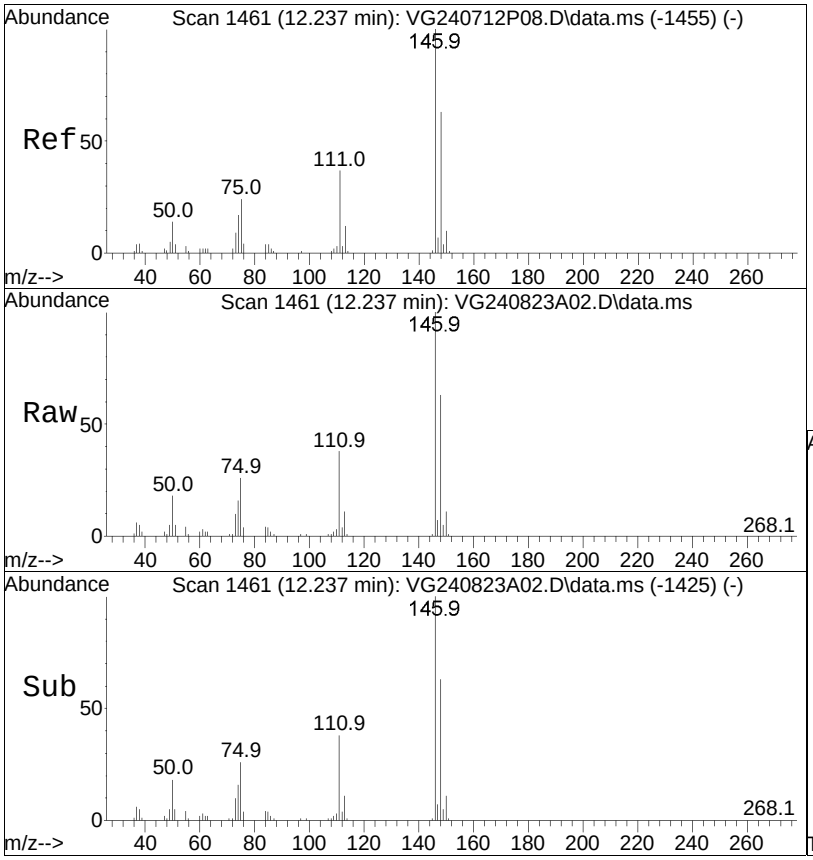


#87
1,1,2,2-Tetrachloroethane
Concen: 11.46 ug/L
RT: 11.356 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion: 83 Resp: 90446

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	31.0
85	63.3	43.9	83.9

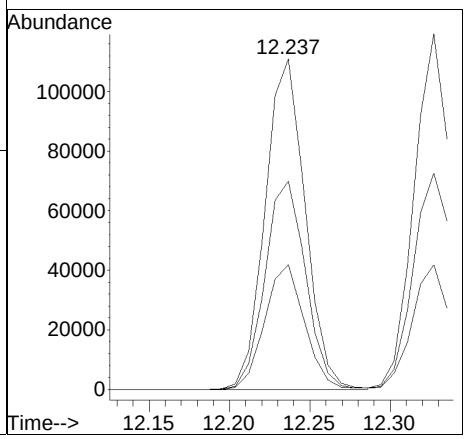


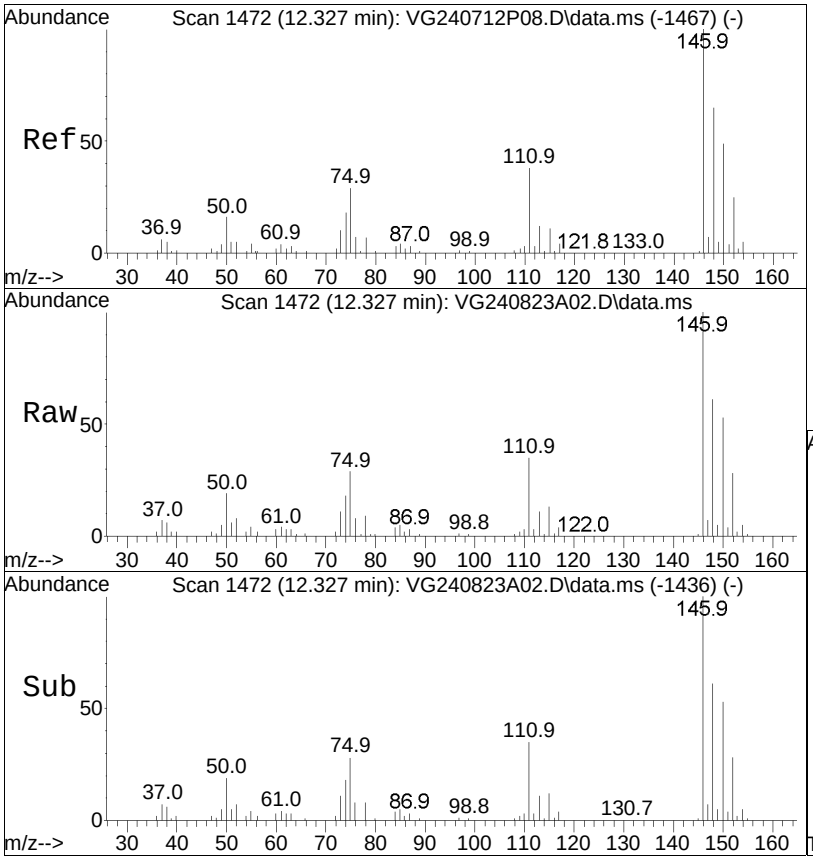


#100
1,3-Dichlorobenzene
Concen: 10.63 ug/L
RT: 12.237 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:146 Resp: 191798

Ion	Ratio	Lower	Upper
146	100		
111	37.7	24.4	50.6
148	64.0	41.0	85.2

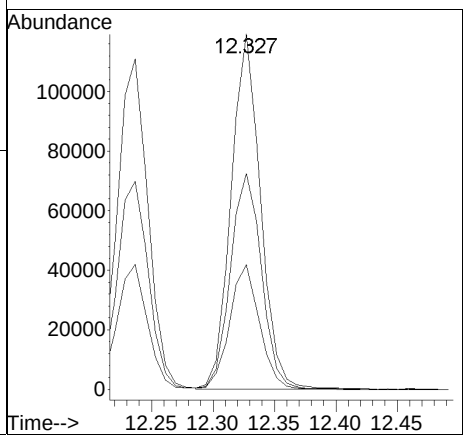


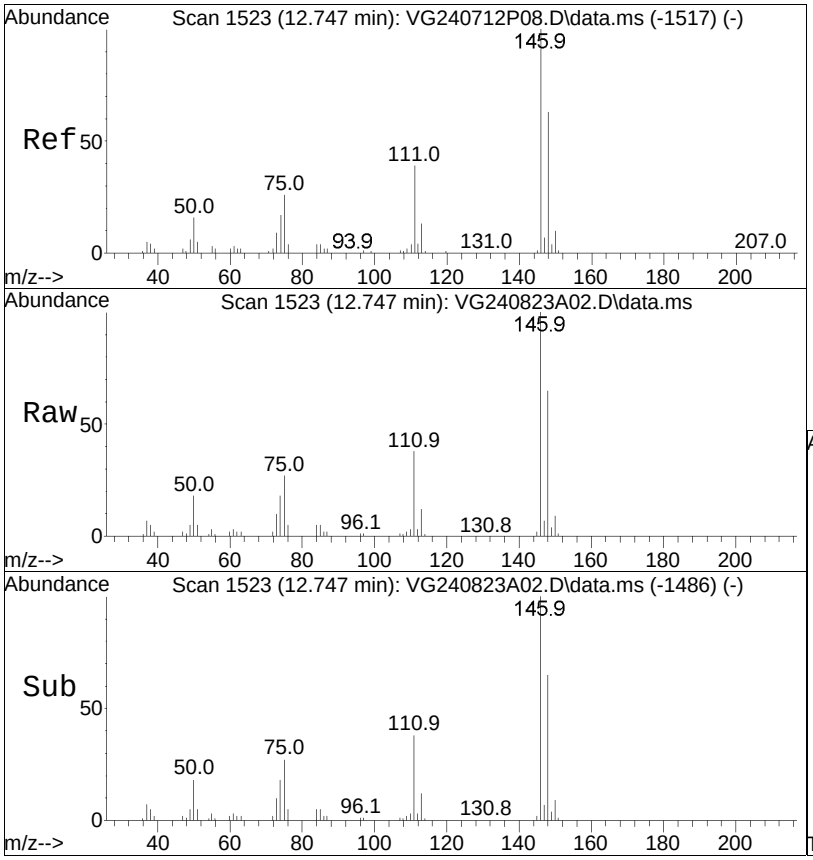


#101
1,4-Dichlorobenzene
Concen: 10.63 ug/L
RT: 12.327 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:146 Resp: 197617

Ion	Ratio	Lower	Upper
146	100		
111	36.1	29.3	43.9
148	64.8	51.2	76.8

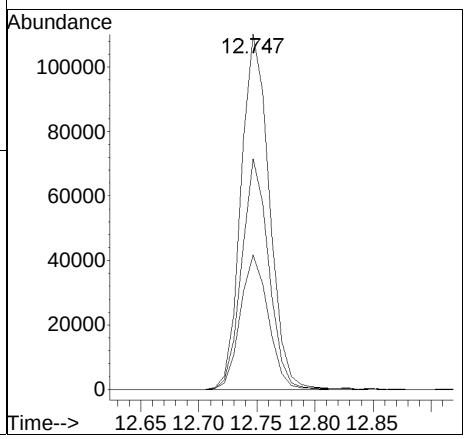


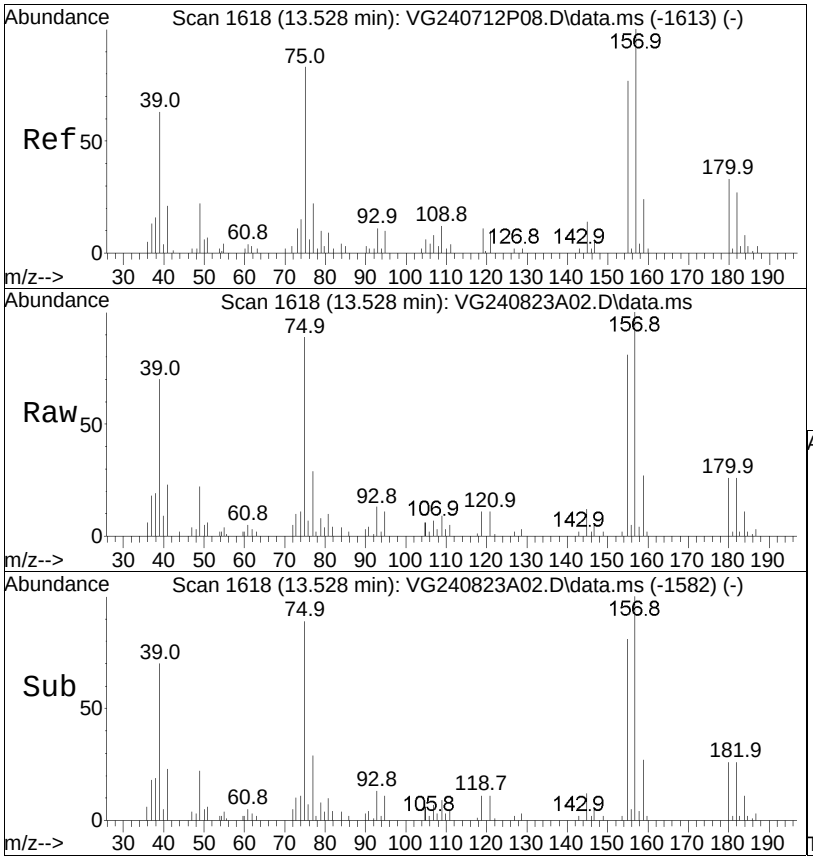


#104
1,2-Dichlorobenzene
Concen: 10.85 ug/L
RT: 12.747 min Scan# 1523
Delta R.T. -0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:146 Resp: 186689

Ion	Ratio	Lower	Upper
146	100		
111	37.5	25.4	52.8
148	62.1	41.7	86.5

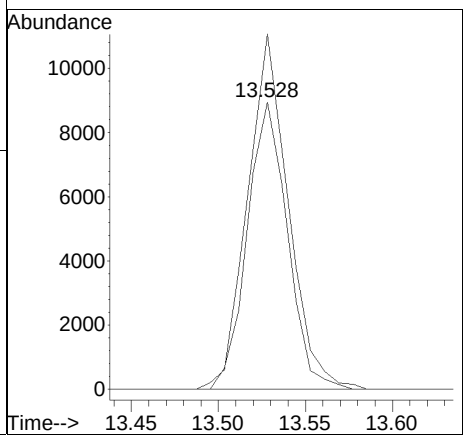


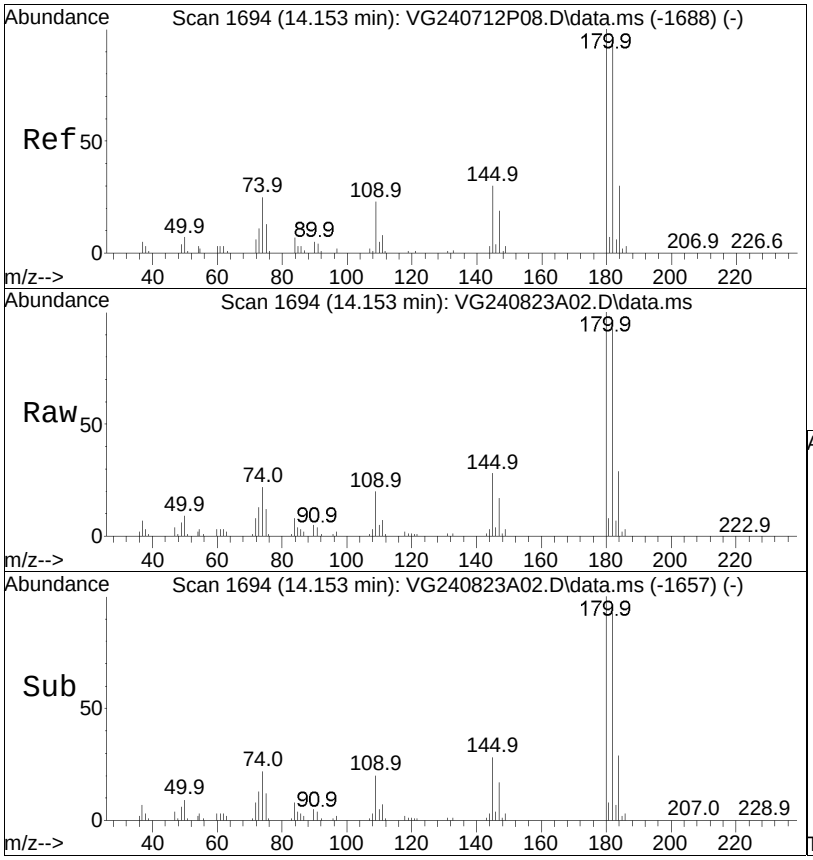


#106
1,2-Dibromo-3-chloropropane
Concen: 9.80 ug/L
RT: 13.528 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:155 Resp: 14357

Ion	Ratio	Lower	Upper
155	100		
157	125.6	99.9	149.9

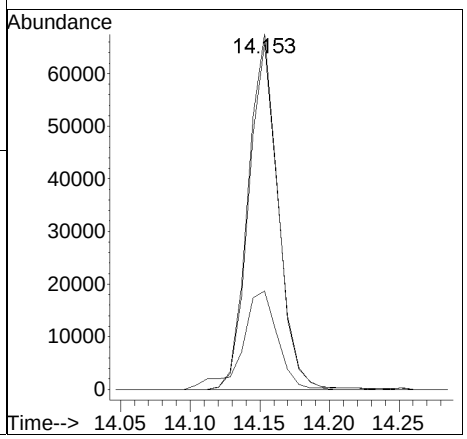


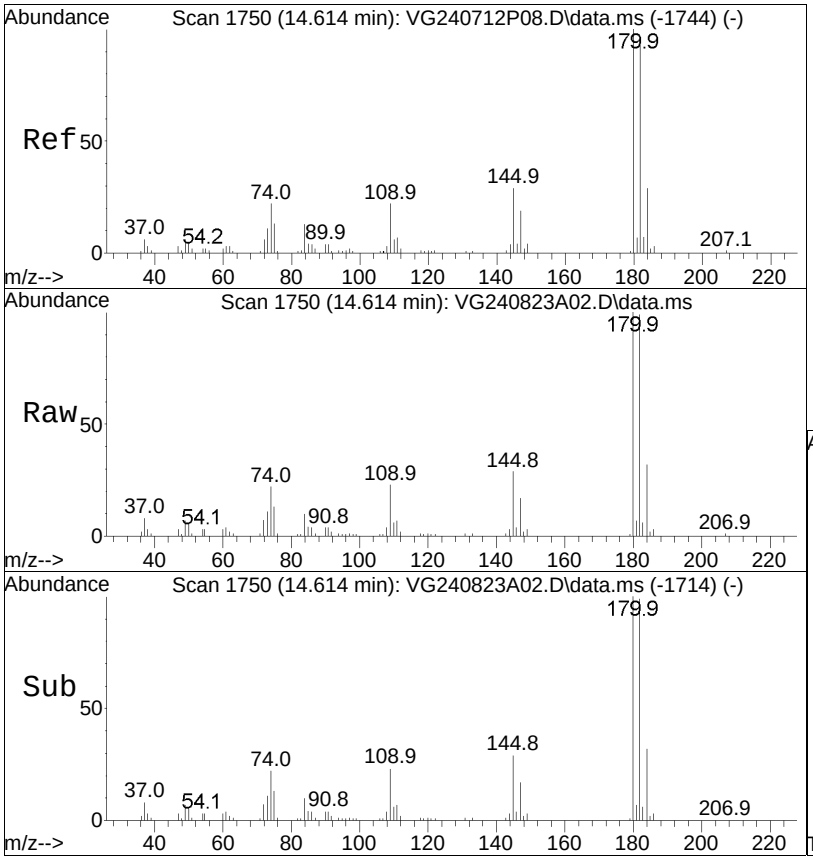


#109
1,2,4-Trichlorobenzene
Concen: 10.28 ug/L
RT: 14.153 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:180 Resp: 100854

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.7	115.1
145	32.7	26.5	39.7

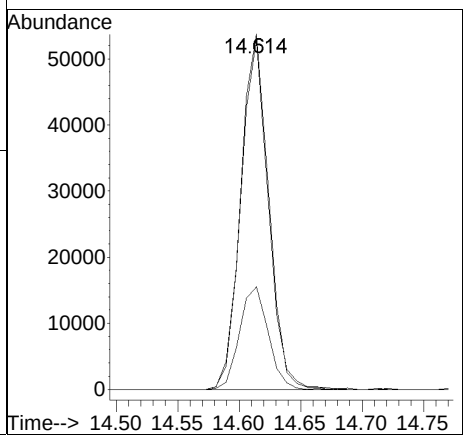




#111
1,2,3-Trichlorobenzene
Concen: 10.43 ug/L
RT: 14.614 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VG240823A02.D
Acq: 23 Aug 2024 8:13 am

Tgt Ion:180 Resp: 85074

Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.0	115.4
145	29.6	24.1	36.1



Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N02.D
Acq On : 23 Aug 2024 04:27 pm
Operator : VOA122:TMS
Sample : WG1963652-4,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 17:01:20 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.970	96	429242	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 100.18%			
62) Chlorobenzene-d5	9.519	117	355253	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 99.58%			
83) 1,4-Dichlorobenzene-d4	12.229	152	181596	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 96.73%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.158	113	148691	9.914	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.14%			
46) 1,2-Dichloroethane-d4	5.682	65	128381	10.126	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.26%			
63) Toluene-d8	7.668	98	429360	9.486	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.86%			
87) 4-Bromofluorobenzene	11.012	95	151423	9.157	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	60025	7.083	ug/L	97
3) Chloromethane	1.808	50	89864	7.950	ug/L	98
4) Vinyl chloride	1.881	62	88711	9.919	ug/L	97
5) Bromomethane	2.189	94	25303	7.043	ug/L	100
6) Chloroethane	2.300	64	45610	8.822	ug/L	96
7) Trichlorofluoromethane	2.444	101	86795	8.508	ug/L	98
10) 1,1-Dichloroethene	2.929	96	58728	9.889	ug/L #	73
11) Carbon disulfide	2.962	76	184452	9.455	ug/L	100
12) Freon-113	2.969	101	65449	10.657	ug/L	99
15) Methylene chloride	3.473	84	67227	8.539	ug/L #	55
17) Acetone	3.513	43	14878	10.367	ug/L	98
18) trans-1,2-Dichloroethene	3.630	96	64651	9.306	ug/L	81
19) Methyl acetate	3.630	43	31620	8.563	ug/L #	84
21) Methyl tert-butyl ether	3.722	73	123707	9.312	ug/L #	78
25) 1,1-Dichloroethane	4.207	63	134776	9.499	ug/L	94
30) cis-1,2-Dichloroethene	4.718	96	70441	9.149	ug/L #	79
32) Bromochloromethane	4.909	128	36437	10.029	ug/L #	72
33) Cyclohexane	4.922	56	150120	10.523	ug/L	65
34) Chloroform	4.981	83	110412	8.991	ug/L #	94
36) Carbon tetrachloride	5.125	117	96325	10.869	ug/L	99

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N02.D
Acq On : 23 Aug 2024 04:27 pm
Operator : VOA122:TMS
Sample : WG1963652-4,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 17:01:20 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.190	97	102394	9.888	ug/L		95
41) 2-Butanone	5.269	43	18381	9.114	ug/L	#	51
44) Benzene	5.551	78	258396	9.504	ug/L	#	89
47) 1,2-Dichloroethane	5.754	62	65054	9.577	ug/L		95
50) Methyl cyclohexane	6.147	83	86211	9.806	ug/L	#	57
51) Trichloroethene	6.147	95	56443	9.761	ug/L		98
54) 1,2-Dichloropropane	6.695	63	56510	9.308	ug/L		95
57) Bromodichloromethane	6.764	83	64908	9.061	ug/L		98
60) 1,4-Dioxane	6.973	88	13446	561.374	ug/L	#	56
61) cis-1,3-Dichloropropene	7.452	75	69377	9.398	ug/L	#	86
64) Toluene	7.730	92	133387	9.115	ug/L		99
65) 4-Methyl-2-pentanone	8.161	58	9795	8.364	ug/L	#	70
66) Tetrachloroethene	8.175	166	62645	10.918	ug/L		97
68) trans-1,3-Dichloropropene	8.203	75	56206	7.789	ug/L		86
71) 1,1,2-Trichloroethane	8.391	83	28778	8.375	ug/L		99
72) Chlorodibromomethane	8.600	129	46942	8.495	ug/L		100
74) 1,2-Dibromoethane	8.881	107	34999	9.089	ug/L		98
76) 2-Hexanone	9.168	43	17932	8.240	ug/L		88
77) Chlorobenzene	9.540	112	156205	9.425	ug/L		88
78) Ethylbenzene	9.582	91	259185	9.381	ug/L		99
80) p/m Xylene	9.771	106	208105	19.404	ug/L		97
81) o Xylene	10.311	106	194160	19.144	ug/L		97
82) Styrene	10.374	104	311048	19.067	ug/L		98
84) Bromoform	10.395	173	24856	9.098	ug/L		98
86) Isopropylbenzene	10.697	105	270048	9.587	ug/L		100
91) 1,1,2,2-Tetrachloroethane	11.258	83	38438	8.342	ug/L		100
104) 1,3-Dichlorobenzene	12.153	146	127143	9.677	ug/L		99
105) 1,4-Dichlorobenzene	12.243	146	123843	9.504	ug/L		98
108) 1,2-Dichlorobenzene	12.668	146	110754	9.528	ug/L		98
110) 1,2-Dibromo-3-chloropr...	13.448	155	5969	8.688	ug/L		100
113) 1,2,4-Trichlorobenzene	14.088	180	62778	9.744	ug/L		98
115) 1,2,3-Trichlorobenzene	14.554	180	54136	9.892	ug/L		98

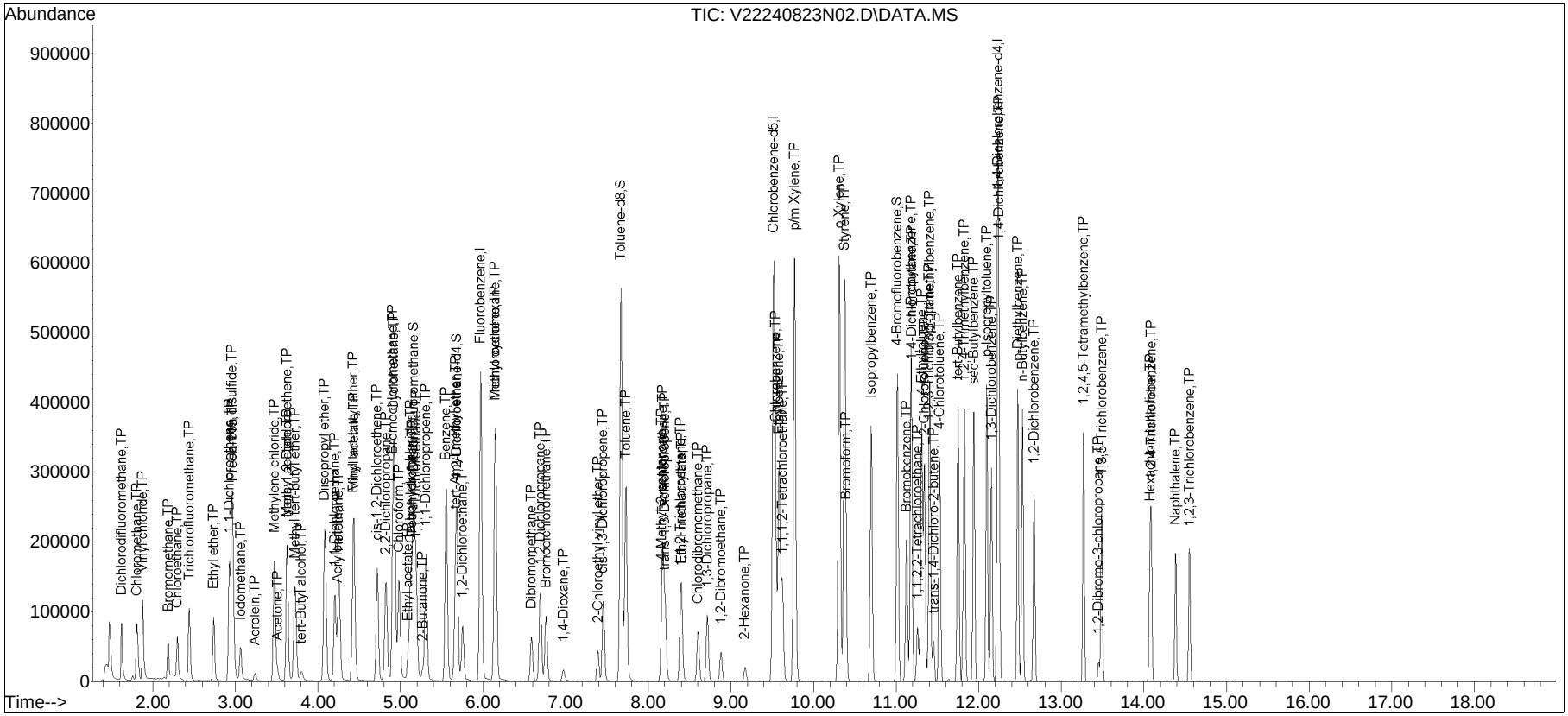
(#) = qualifier out of range (m) = manual integration (+) = signals summed

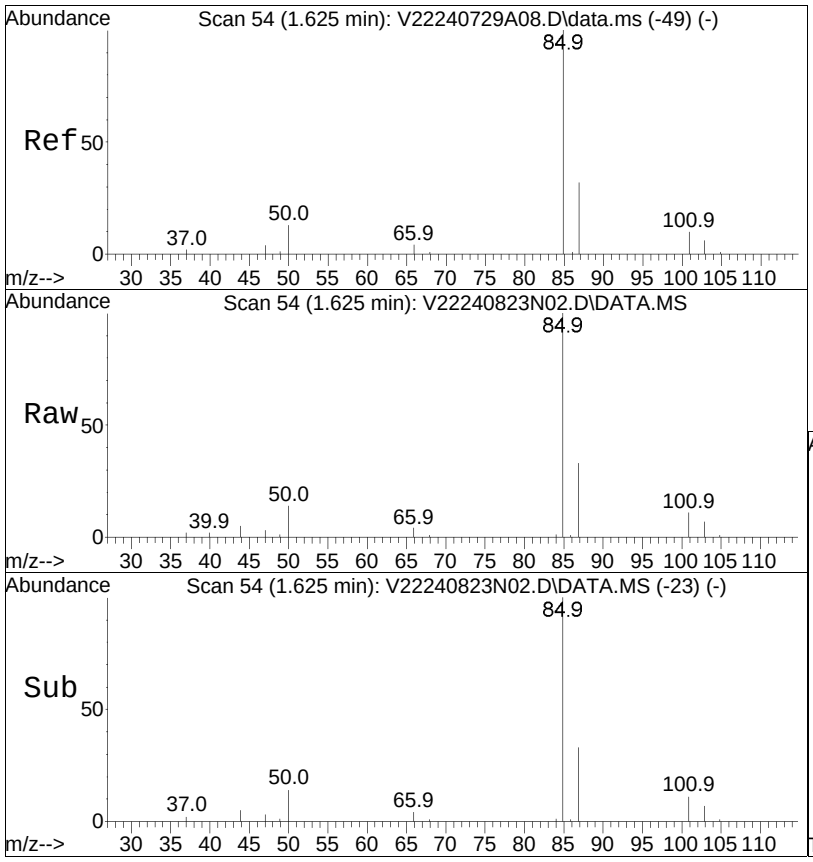
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N02.D
Acq On : 23 Aug 2024 04:27 pm
Operator : VOA122:TMS
Sample : WG1963652-4,31,10,10
Misc : WG1963652,ICAL21346
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 23 17:01:20 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox240823N01.D•

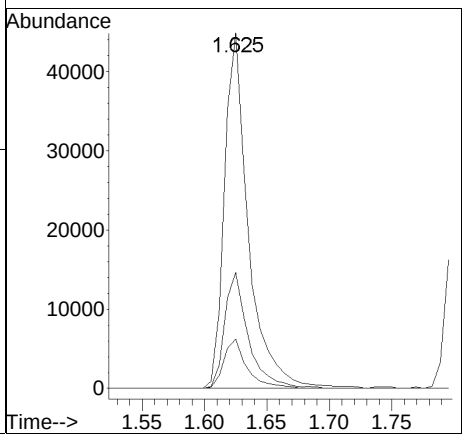


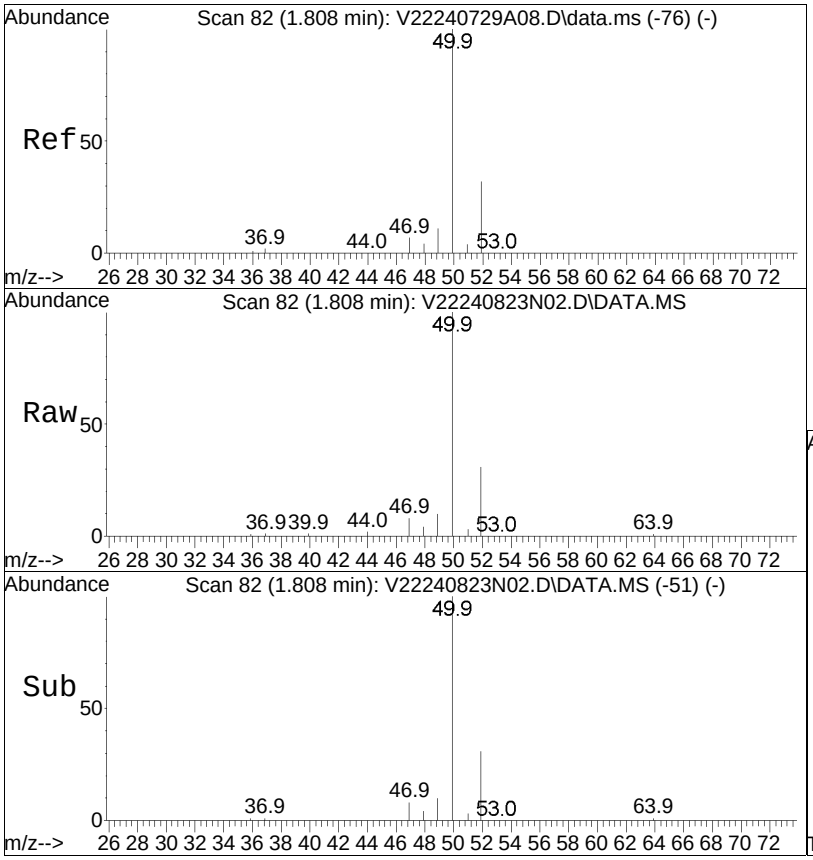


#2
Dichlorodifluoromethane
Concen: 7.08 ug/L
RT: 1.625 min Scan# 54
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 85 Resp: 60025

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.7	42.9
50	13.4	6.8	14.2

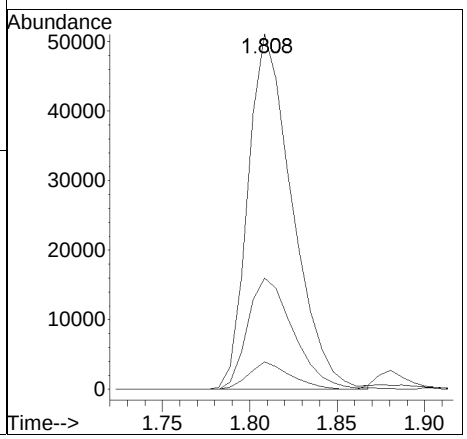


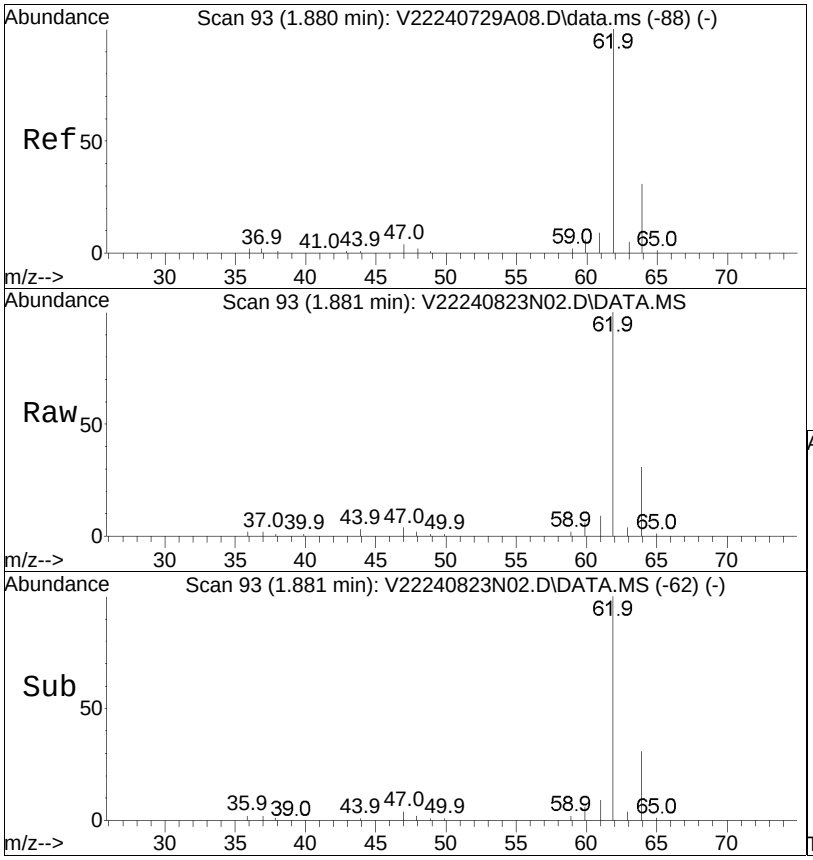


#3
Chloromethane
Concen: 7.95 ug/L
RT: 1.808 min Scan# 82
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 50 Resp: 89864

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8
47	7.3	0.0	30.0

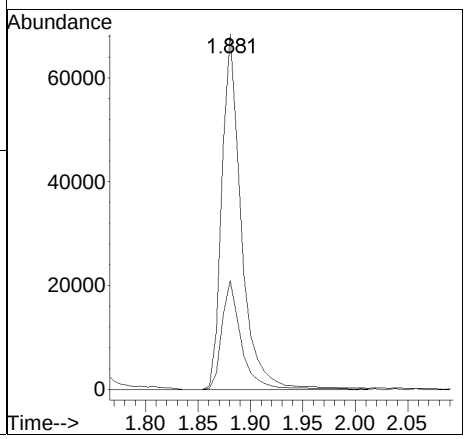


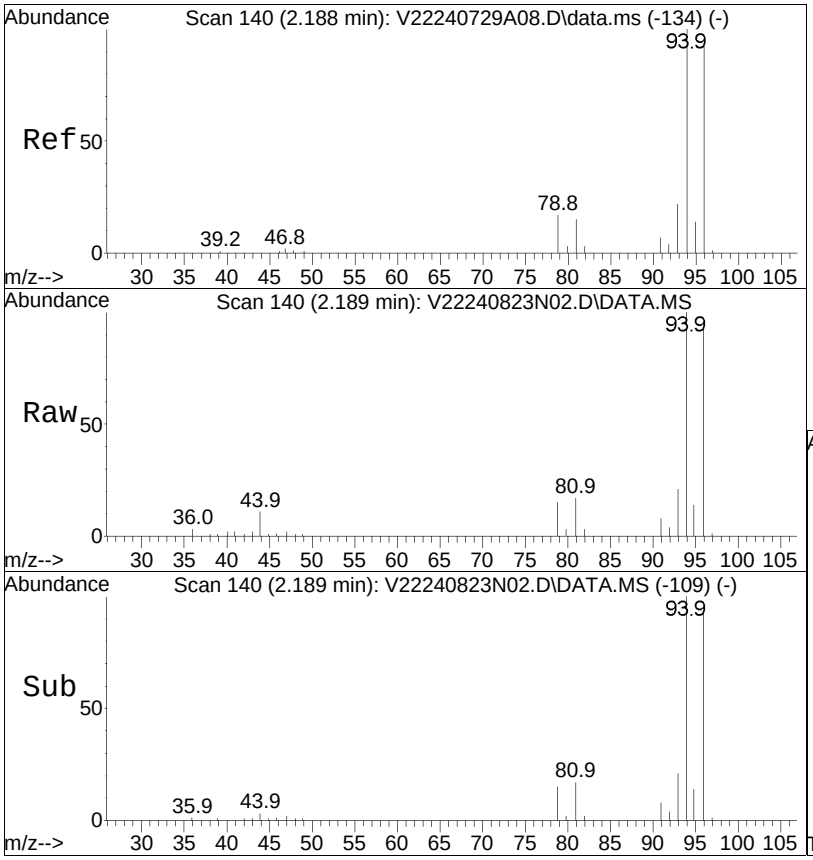


#4
Vinyl chloride
Concen: 9.92 ug/L
RT: 1.881 min Scan# 93
Delta R.T. 0.001 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 62 Resp: 88711

Ion	Ratio	Lower	Upper
62	100		
64	30.4	12.0	52.0

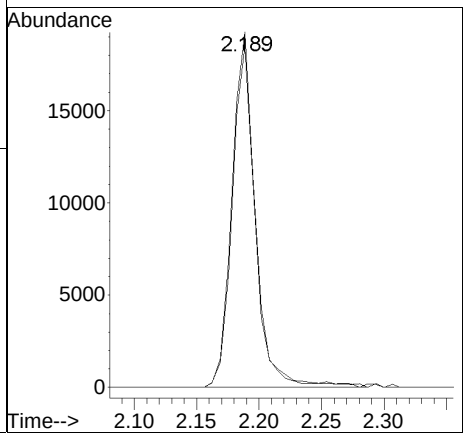


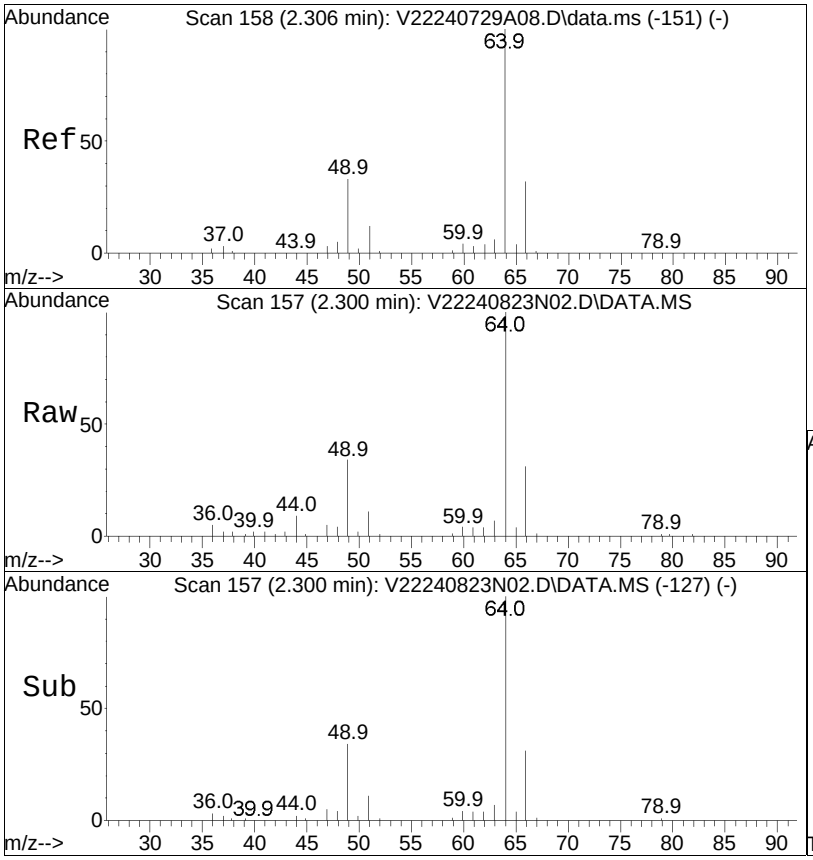


#5
Bromomethane
Concen: 7.04 ug/L
RT: 2.189 min Scan# 140
Delta R.T. 0.001 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 94 Resp: 25303

Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.8	112.8

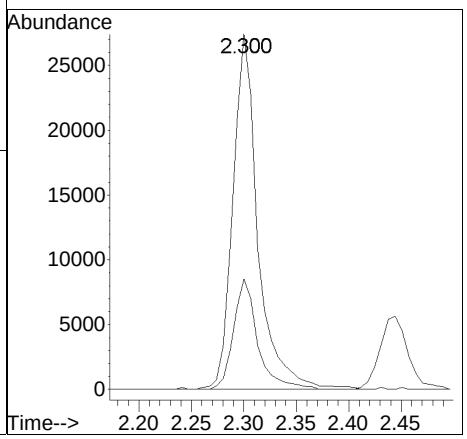


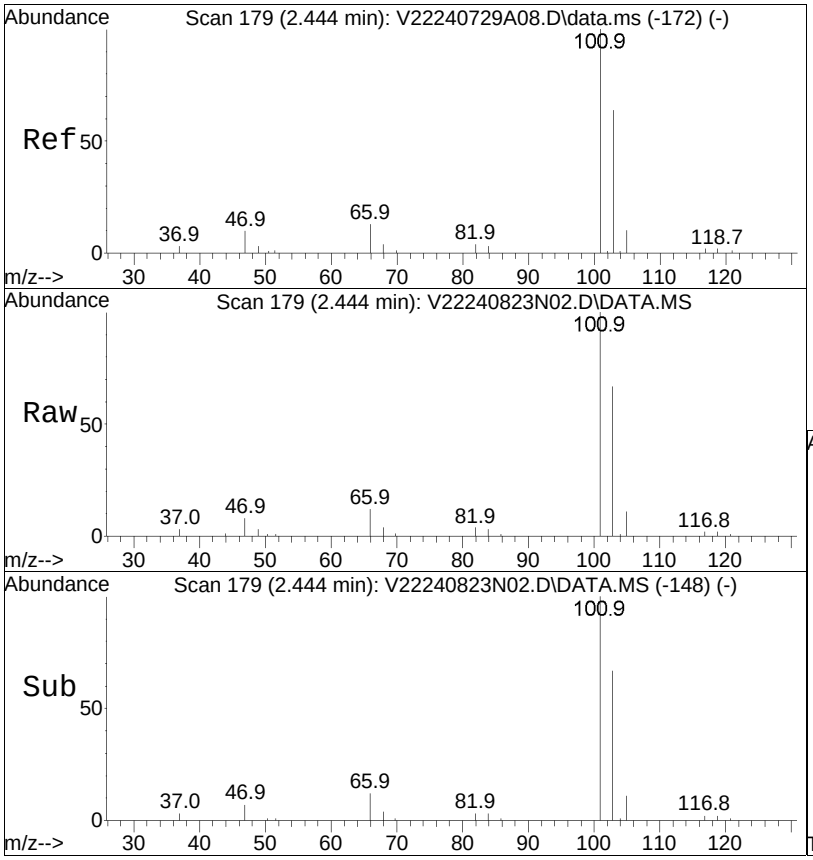


#6
Chloroethane
Concen: 8.82 ug/L
RT: 2.300 min Scan# 157
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 64 Resp: 45610

Ion	Ratio	Lower	Upper
64	100		
66	30.0	12.2	52.2

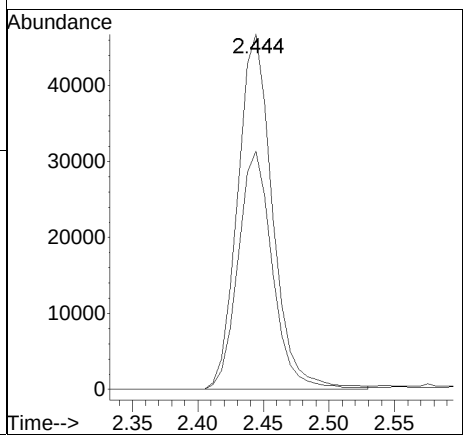


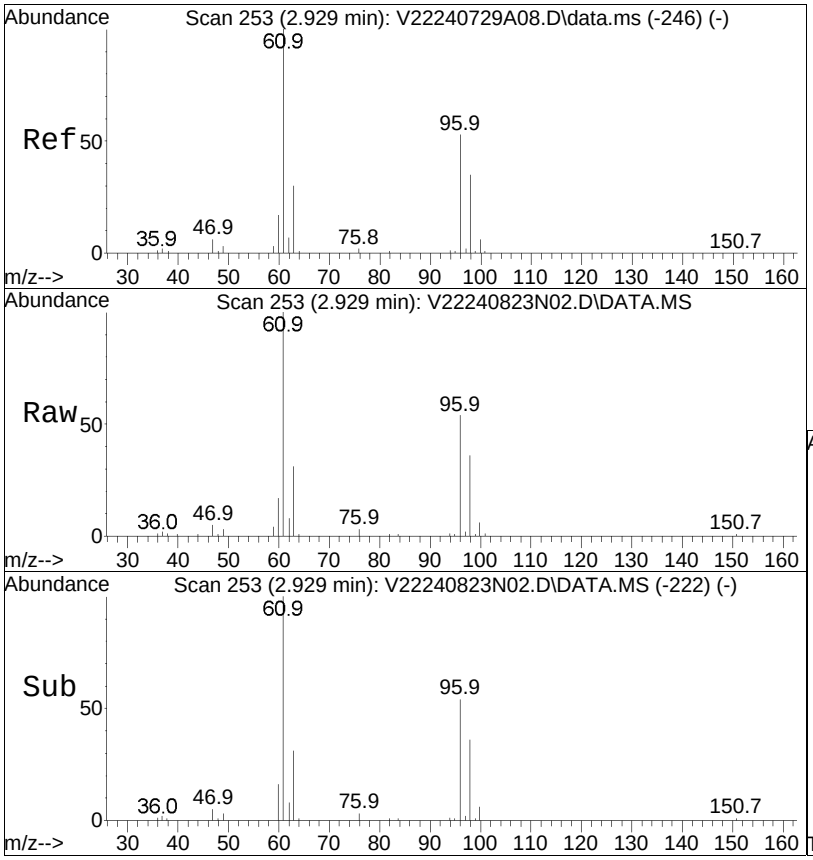


#7
Trichlorofluoromethane
Concen: 8.51 ug/L
RT: 2.444 min Scan# 179
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:101 Resp: 86795

Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.6	77.4

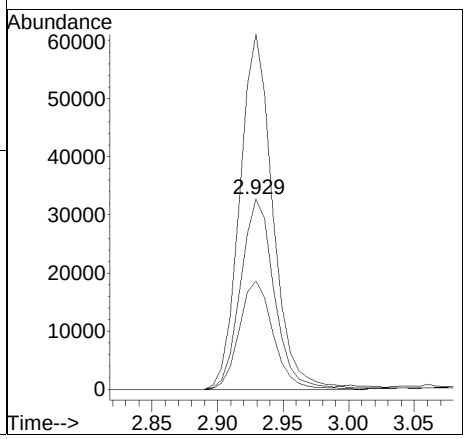


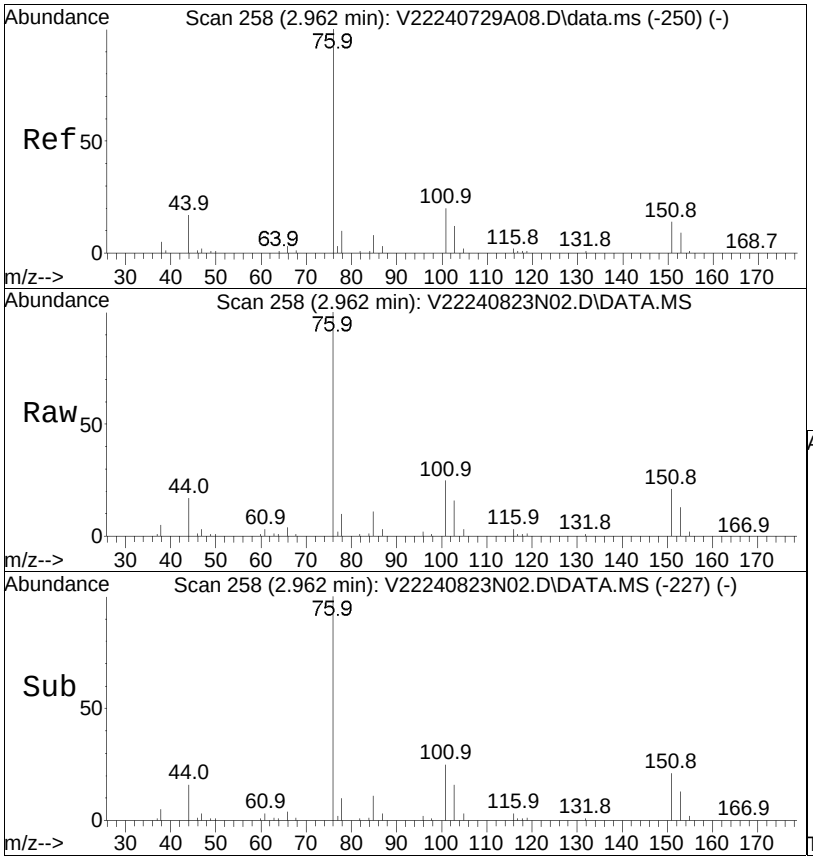


#10
1,1-Dichloroethene
Concen: 9.89 ug/L
RT: 2.929 min Scan# 253
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 96 Resp: 58728

Ion	Ratio	Lower	Upper
96	100		
61	184.0	117.0	175.4#
63	57.3	37.8	56.6#

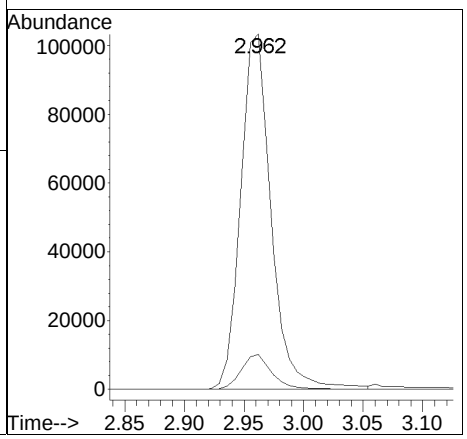


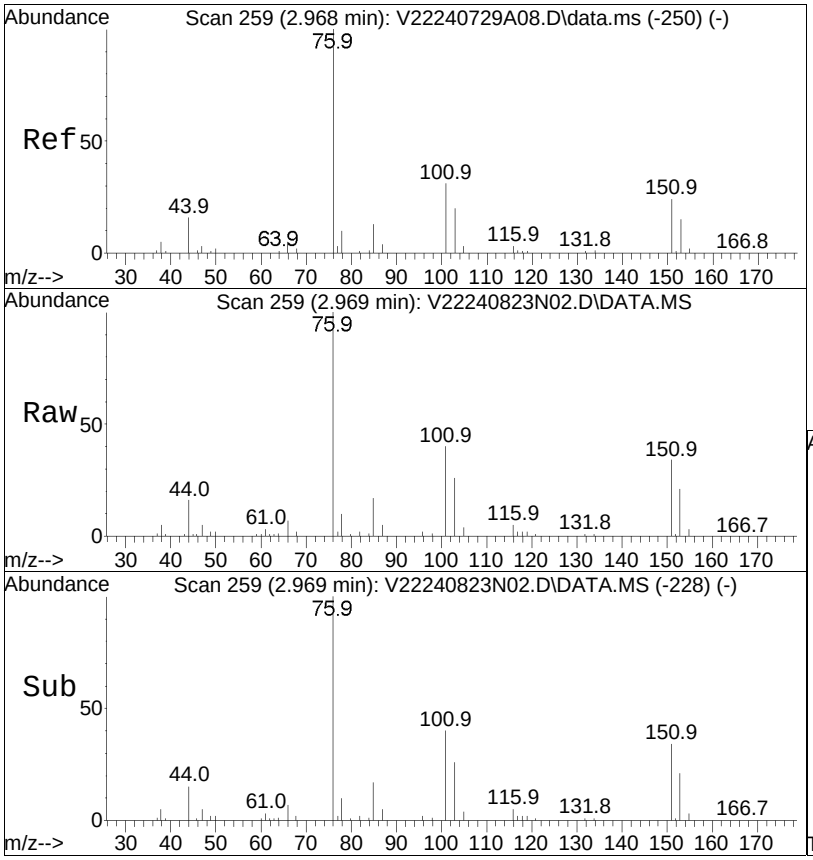


#11
Carbon disulfide
Concen: 9.45 ug/L
RT: 2.962 min Scan# 258
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 76 Resp: 184452

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.4	13.4

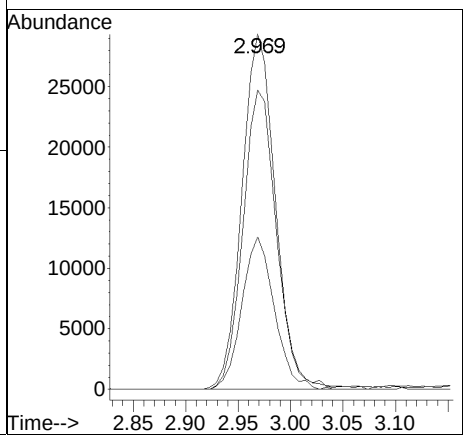


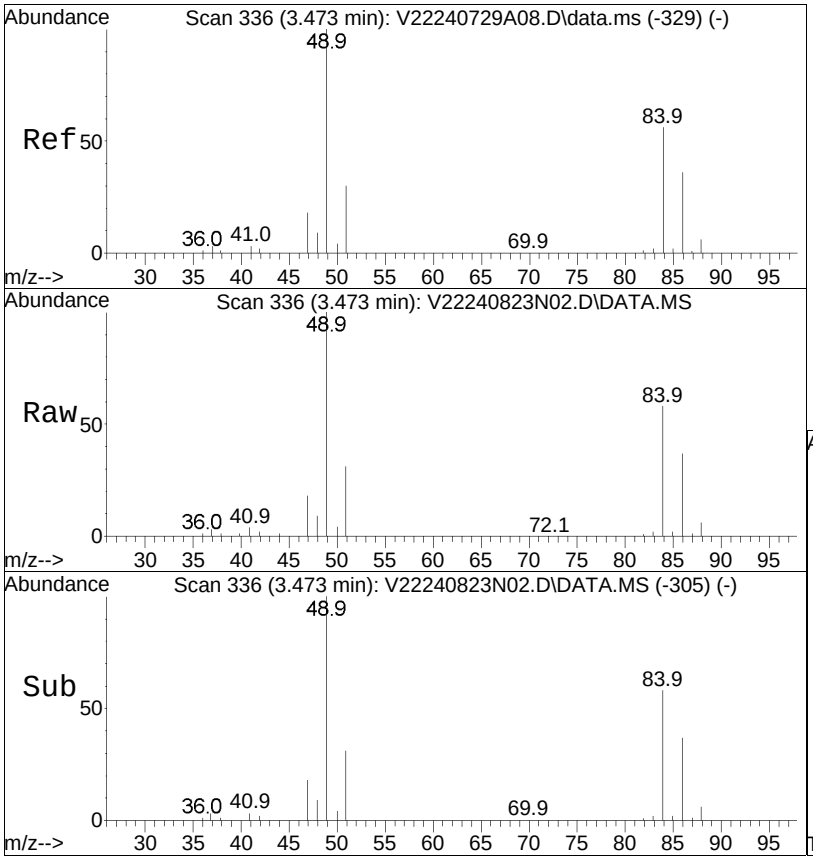


#12
Freon-113
Concen: 10.66 ug/L
RT: 2.969 min Scan# 259
Delta R.T. 0.001 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:101 Resp: 65449

Ion	Ratio	Lower	Upper
101	100		
151	84.0	68.5	102.7
85	41.7	33.1	49.7

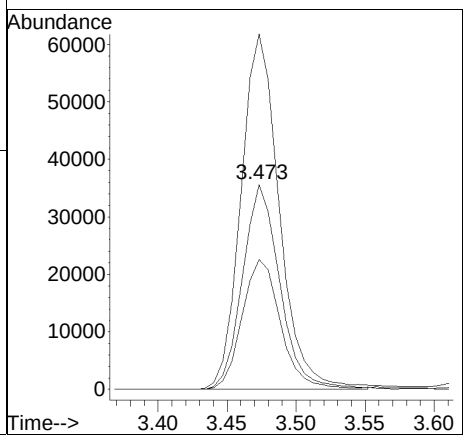


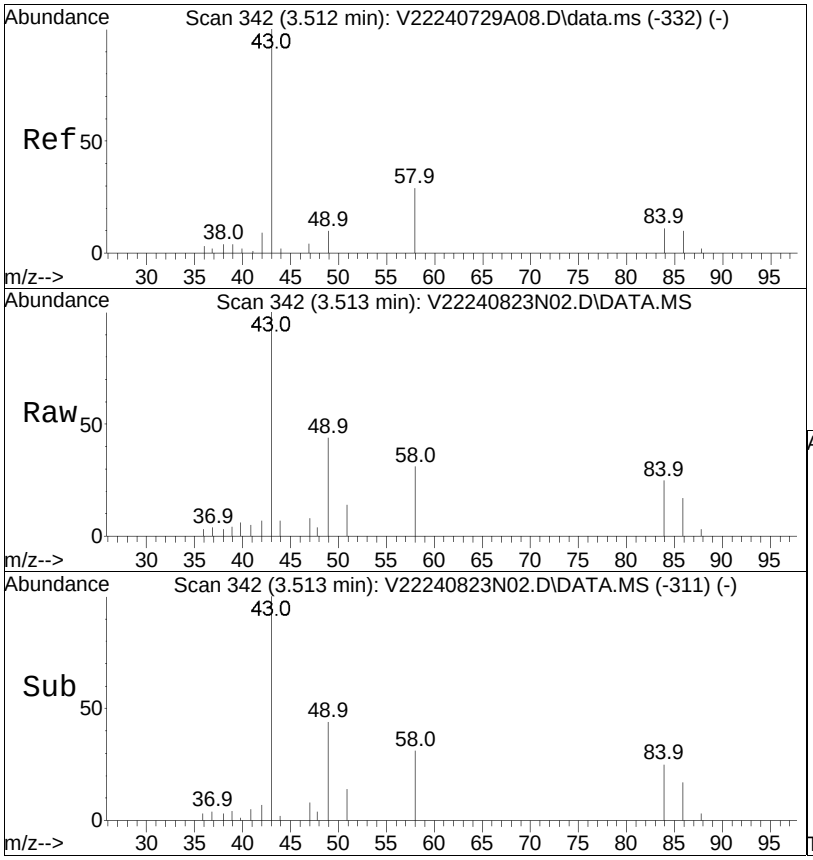


#15
Methylene chloride
Concen: 8.54 ug/L
RT: 3.473 min Scan# 336
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 84 Resp: 67227

Ion	Ratio	Lower	Upper
84	100		
86	65.3	41.5	86.3
49	179.4	68.8	143.0#

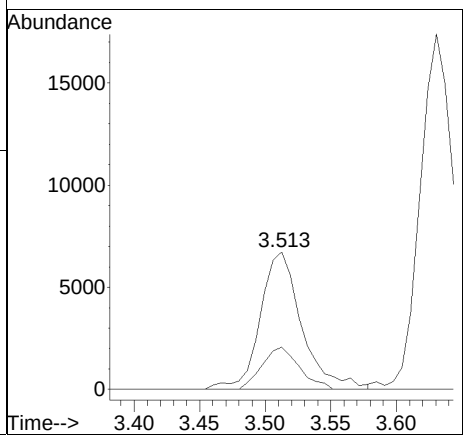


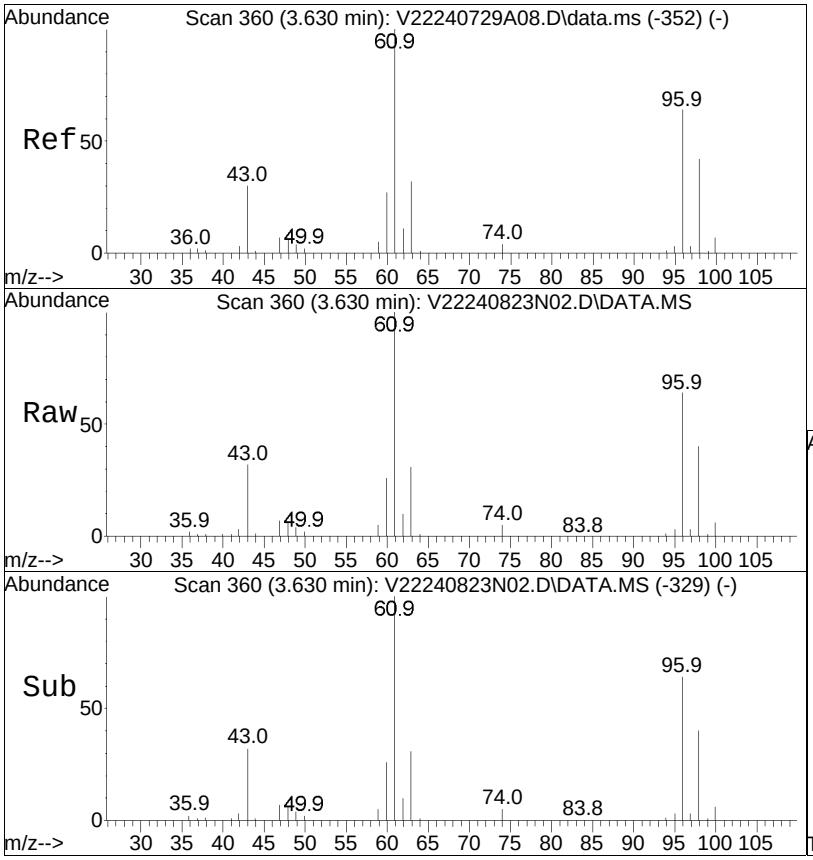


#17
Acetone
Concen: 10.37 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.001 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 43 Resp: 14878

Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.1	34.7

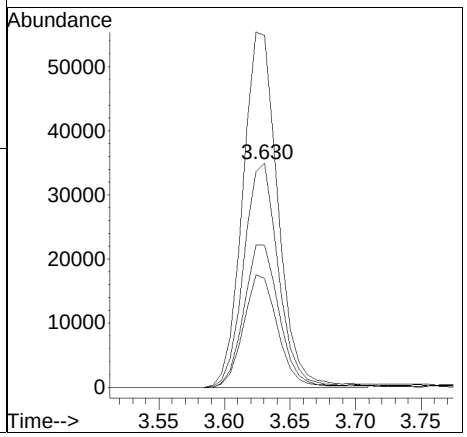


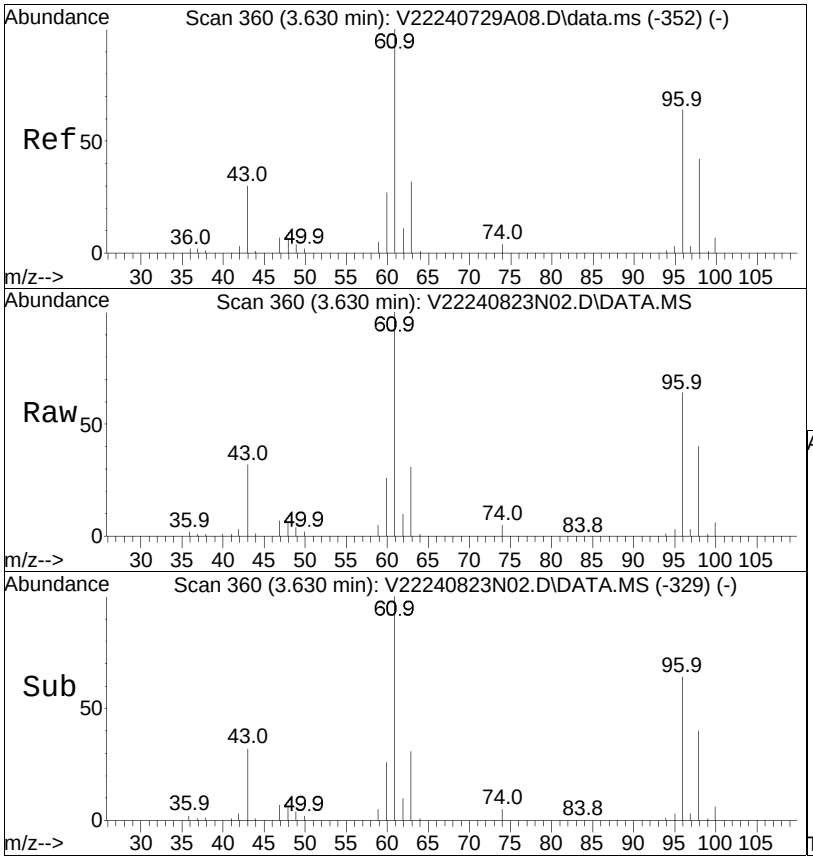


#18
trans-1,2-Dichloroethene
Concen: 9.31 ug/L
RT: 3.630 min Scan# 360
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 96 Resp: 64651

Ion	Ratio	Lower	Upper
96	100		
61	160.5	81.6	169.6
98	64.3	41.8	86.8
63	49.4	26.3	54.7

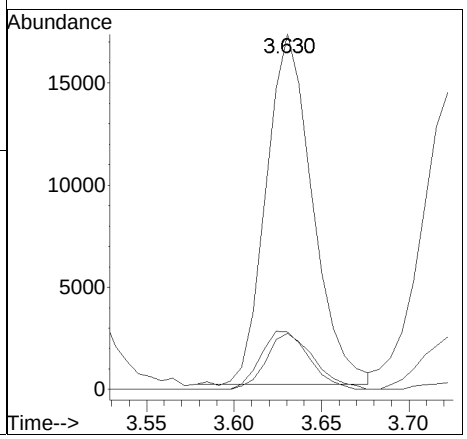


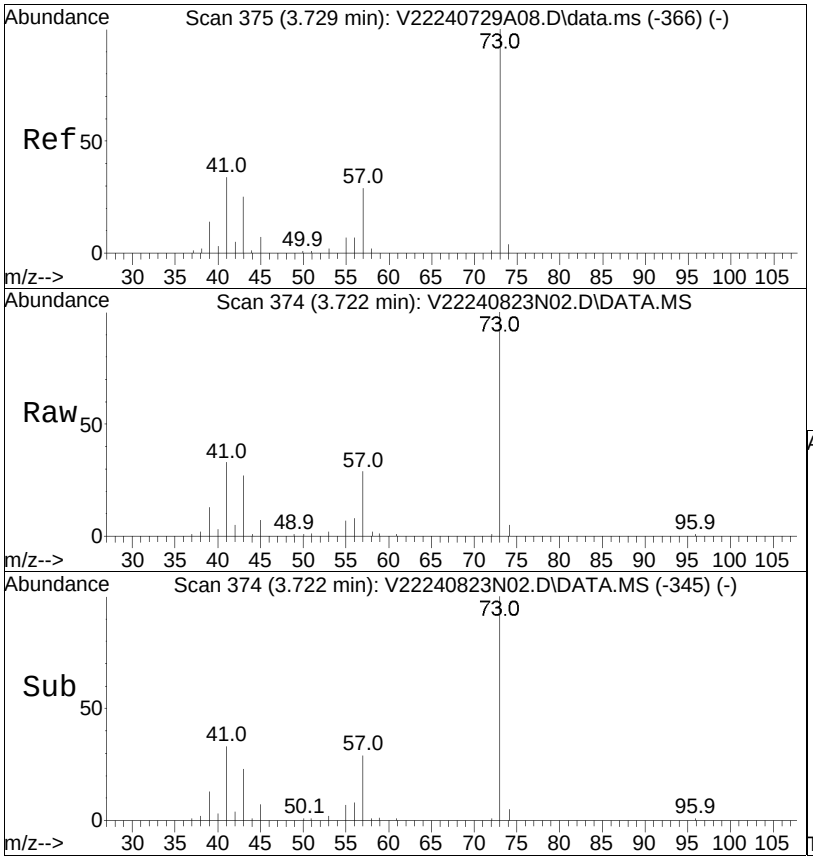


#19
Methyl acetate
Concen: 8.56 ug/L
RT: 3.630 min Scan# 360
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 43 Resp: 31620

Ion	Ratio	Lower	Upper
43	100		
74	16.4	21.8	32.6#
59	17.2	18.1	27.1#

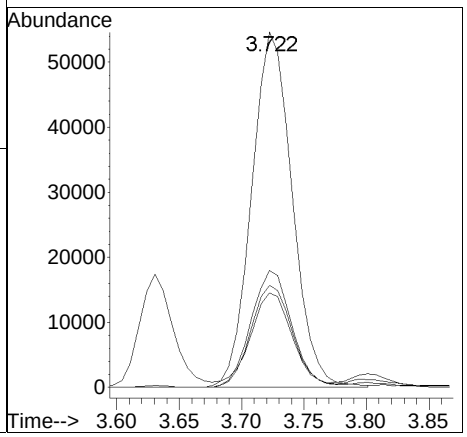


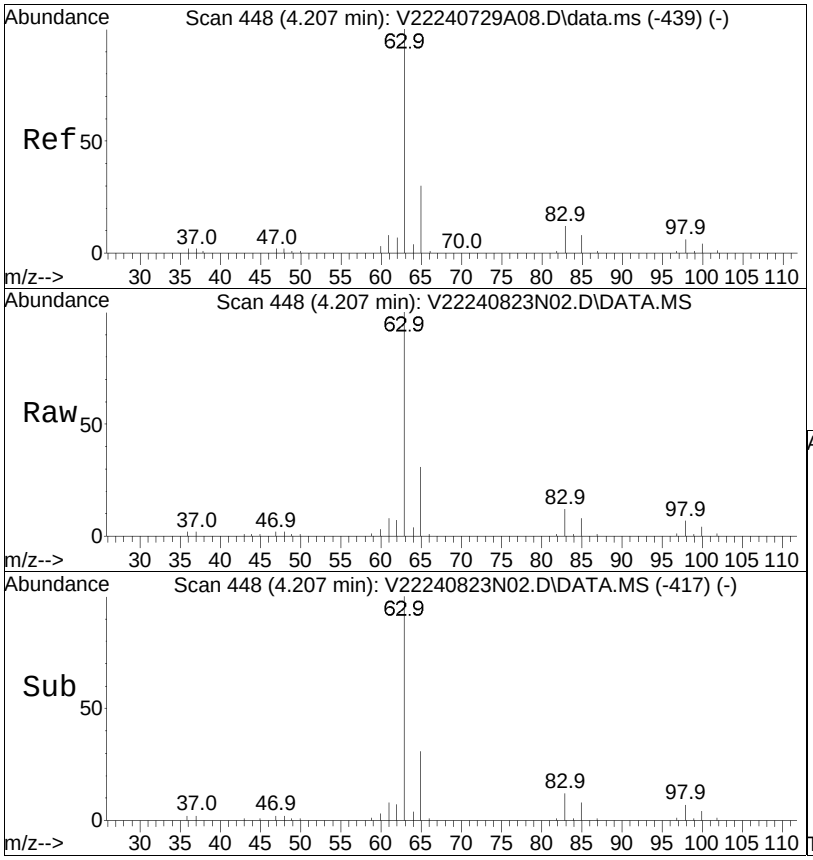


#21
Methyl tert-butyl ether
Concen: 9.31 ug/L
RT: 3.722 min Scan# 374
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 73 Resp: 123707

Ion	Ratio	Lower	Upper
73	100		
57	29.5	13.6	28.2#
43	26.6	12.7	26.5#
41	32.9	11.4	23.8#

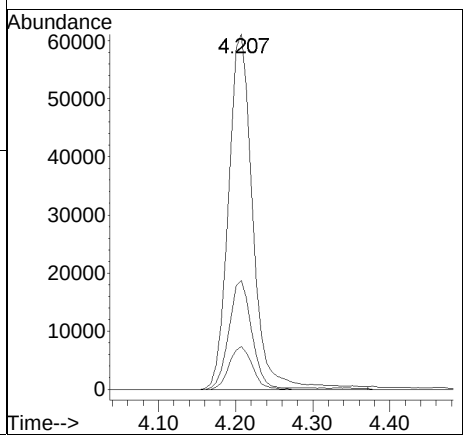


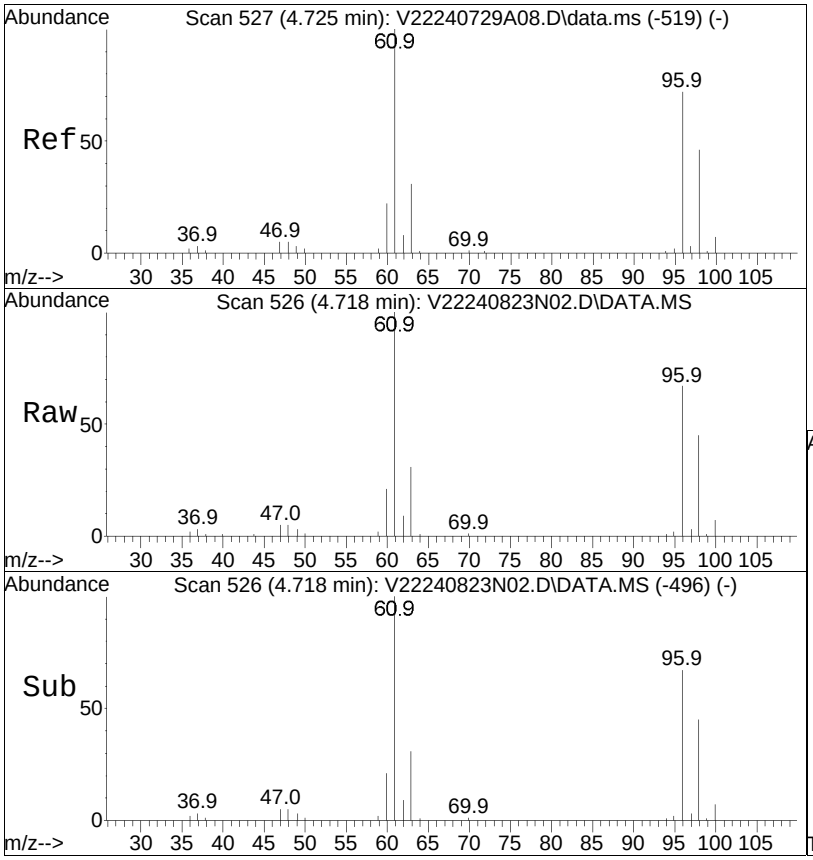


#25
1,1-Dichloroethane
Concen: 9.50 ug/L
RT: 4.207 min Scan# 448
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 63 Resp: 134776

Ion	Ratio	Lower	Upper
63	100		
65	28.9	11.9	51.9
83	11.4	0.0	34.2

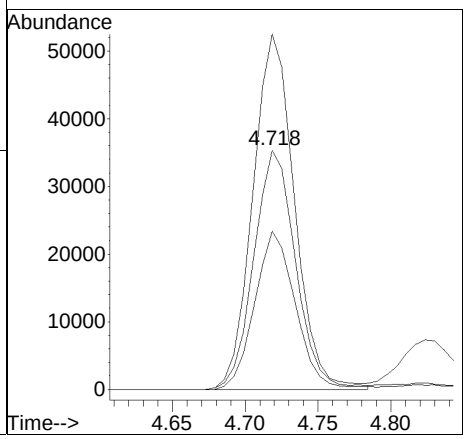


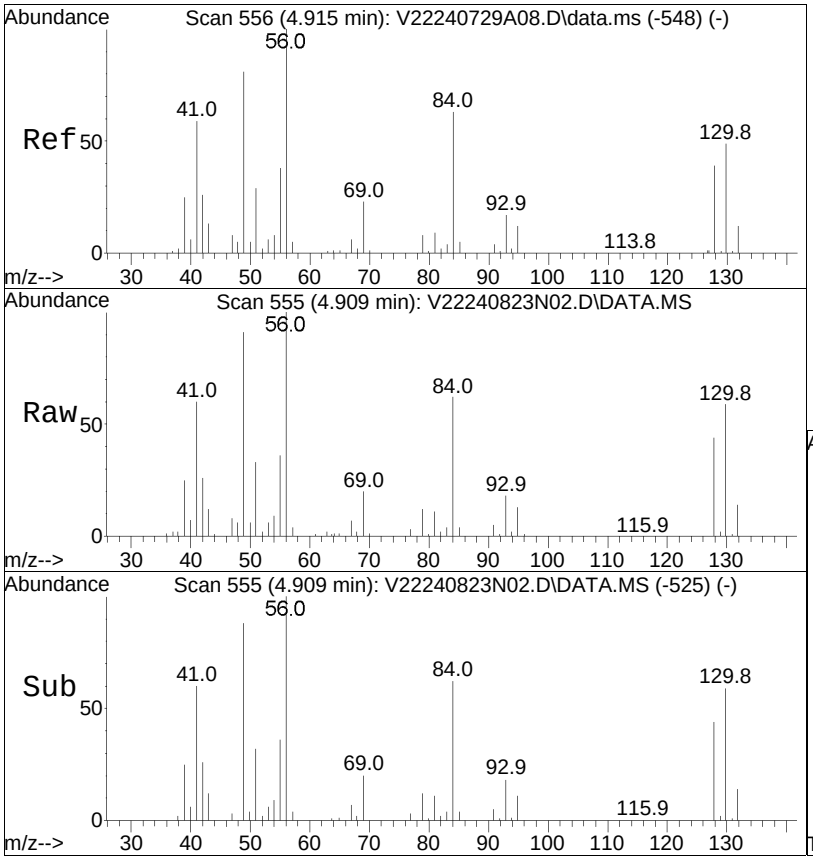


#30
cis-1,2-Dichloroethene
Concen: 9.15 ug/L
RT: 4.718 min Scan# 526
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 96 Resp: 70441

Ion	Ratio	Lower	Upper
96	100		
61	147.5	90.3	135.5#
98	64.7	50.8	76.2

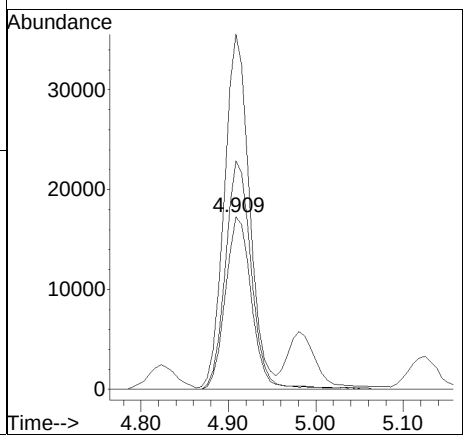


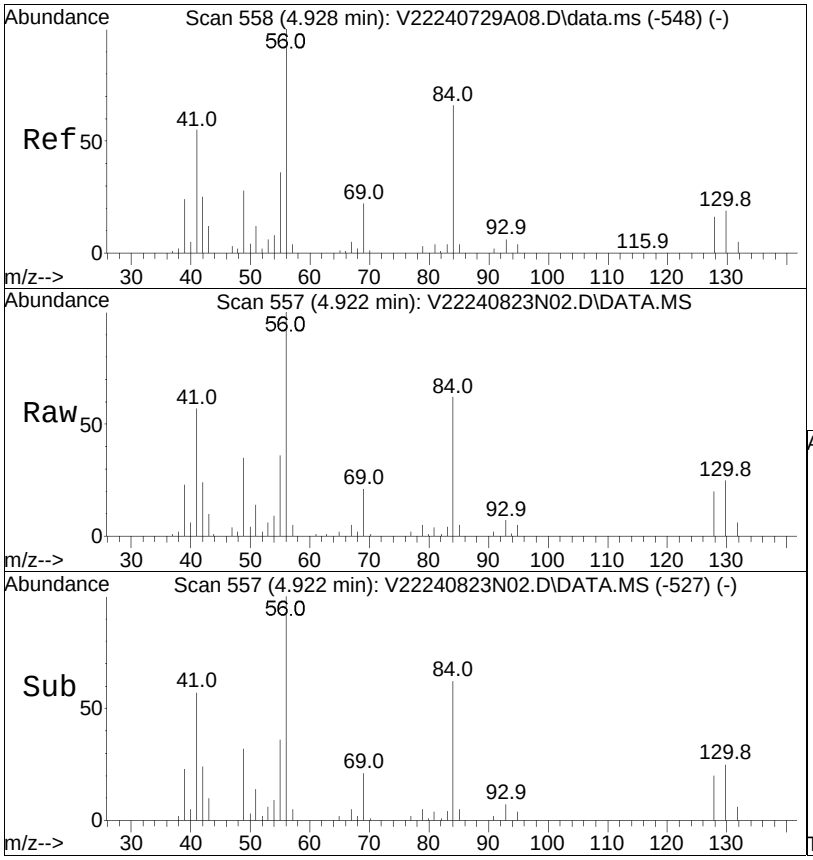


#32
Bromochloromethane
Concen: 10.03 ug/L
RT: 4.909 min Scan# 555
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:128 Resp: 36437

Ion	Ratio	Lower	Upper
128	100		
49	194.6	104.4	156.6#
130	129.9	103.9	155.9

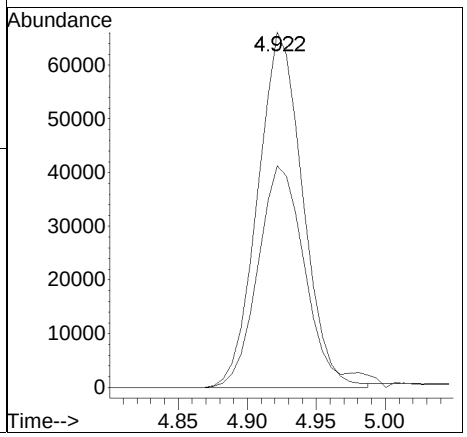


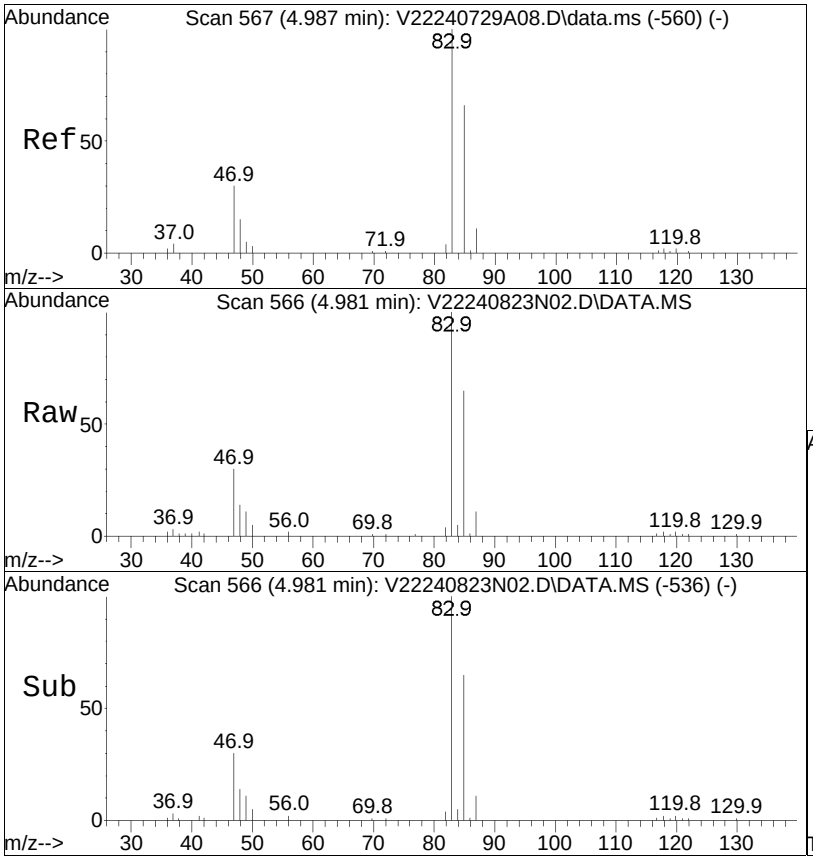


#33
Cyclohexane
Concen: 10.52 ug/L
RT: 4.922 min Scan# 557
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 56 Resp: 150120

Ion	Ratio	Lower	Upper
56	100		
84	66.4	66.0	137.2

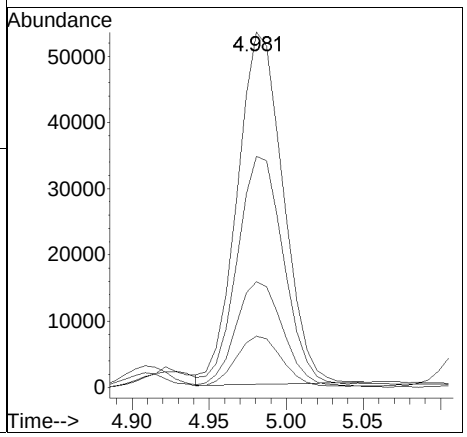


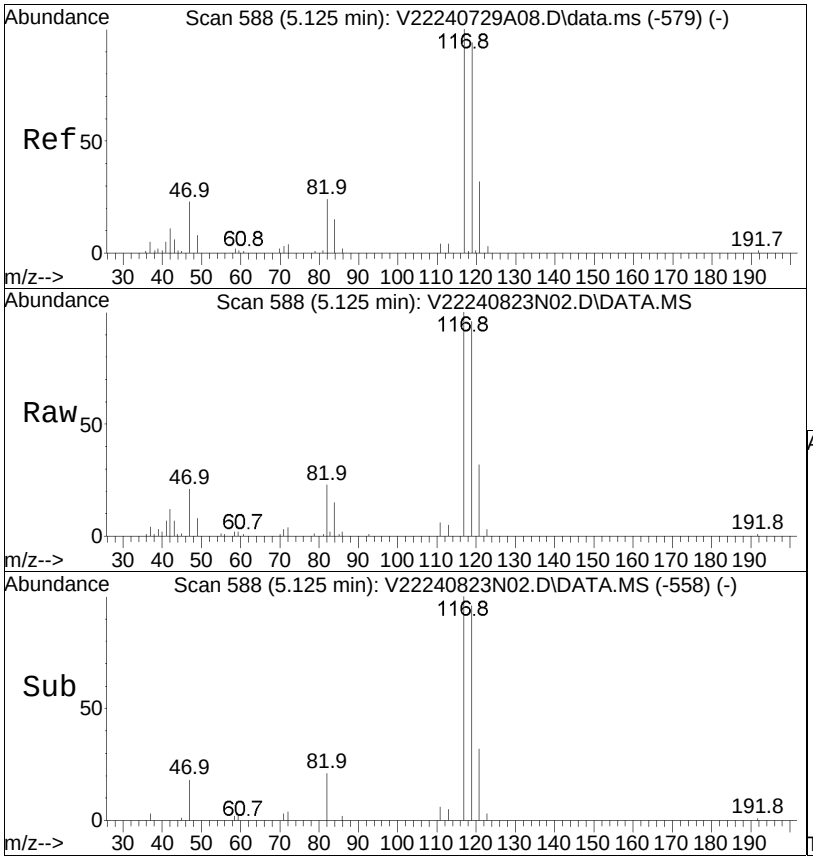


#34
Chloroform
Concen: 8.99 ug/L
RT: 4.981 min Scan# 566
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 83 Resp: 110412

Ion	Ratio	Lower	Upper
83	100		
85	65.6	42.4	88.2
47	30.2	14.0	29.0#
48	15.2	6.9	14.3#

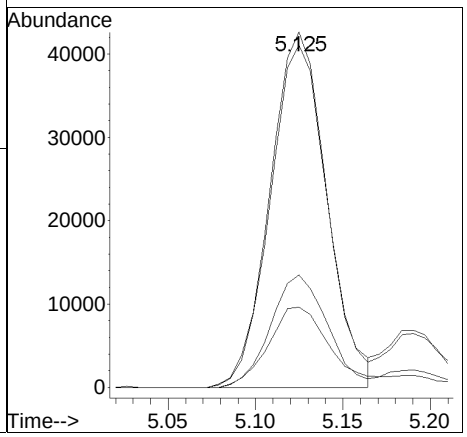


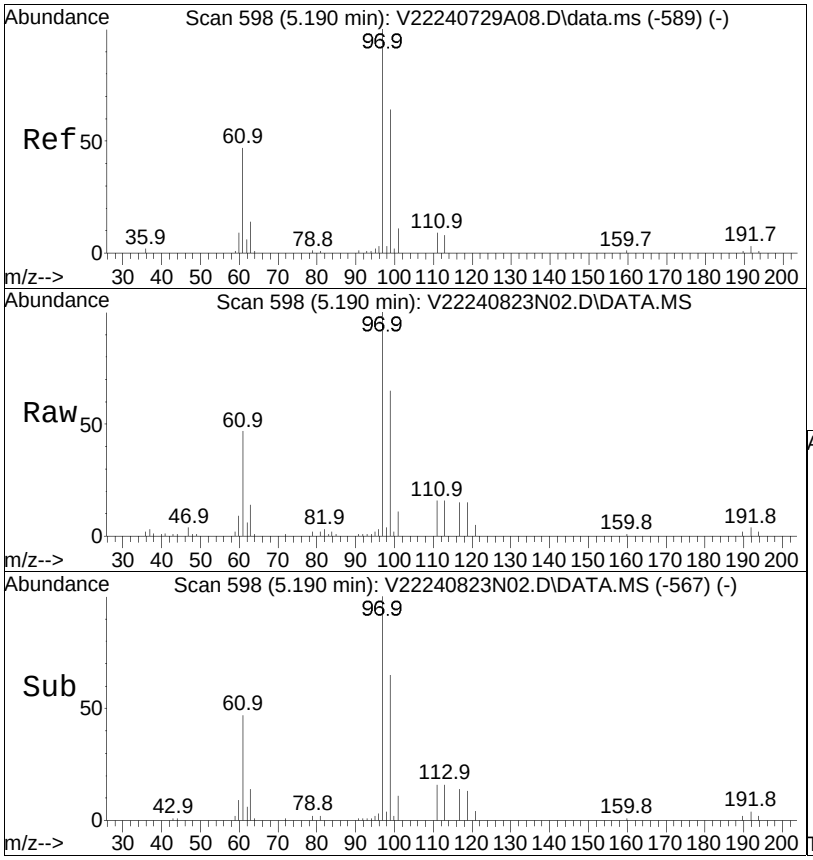


#36
Carbon tetrachloride
Concen: 10.87 ug/L
RT: 5.125 min Scan# 588
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:117 Resp: 96325

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.1	129.1
121	31.6	20.3	42.3
82	24.7	15.4	32.0

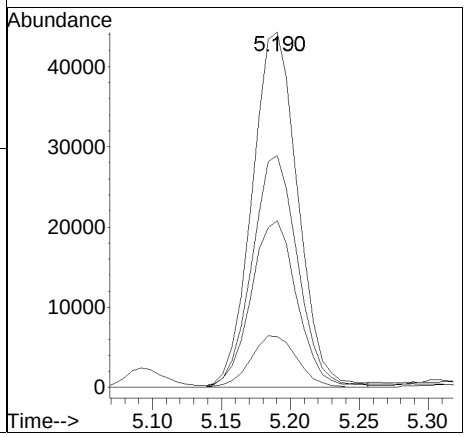


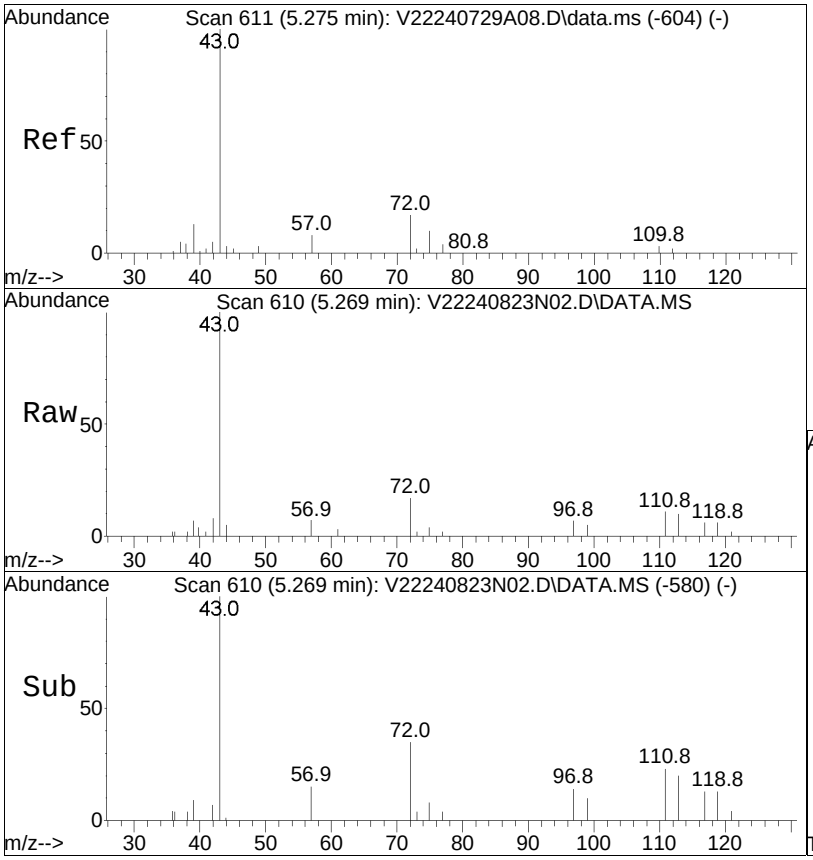


#39
1,1,1-Trichloroethane
Concen: 9.89 ug/L
RT: 5.190 min Scan# 598
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 97 Resp: 102394

Ion	Ratio	Lower	Upper
97	100		
99	65.6	42.4	88.0
61	47.1	26.0	54.0
63	14.8	8.3	17.3

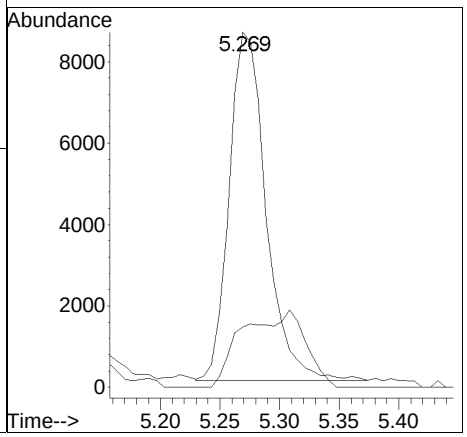


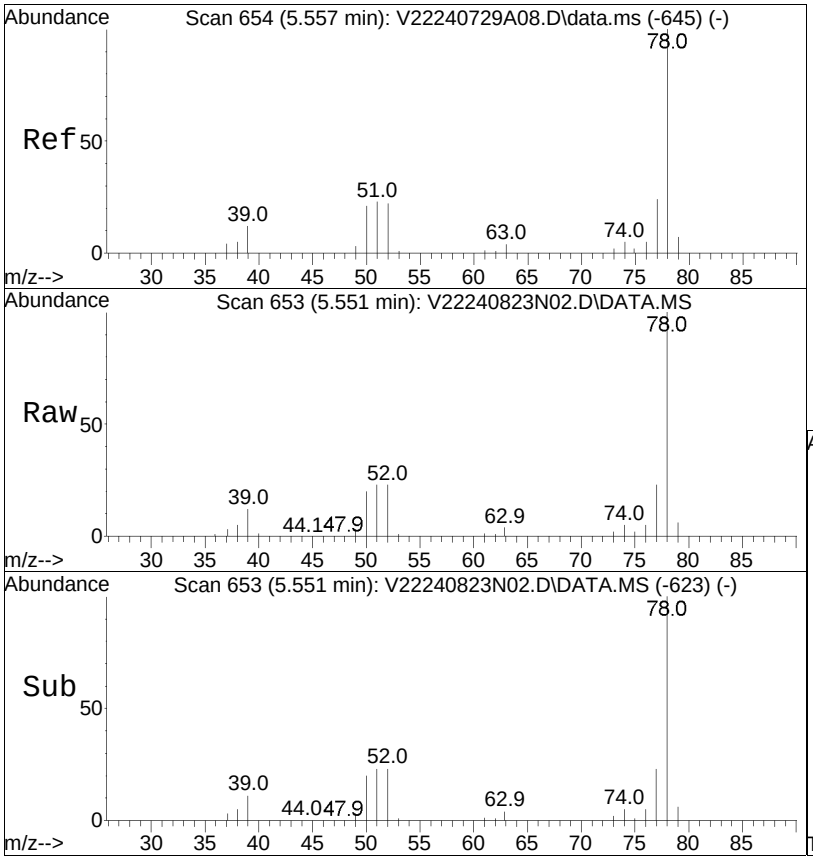


#41
2-Butanone
Concen: 9.11 ug/L
RT: 5.269 min Scan# 610
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 43 Resp: 18381

Ion	Ratio	Lower	Upper
43	100		
72	21.3	45.8	68.8#

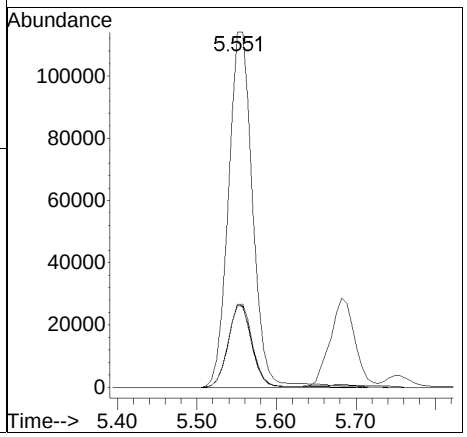


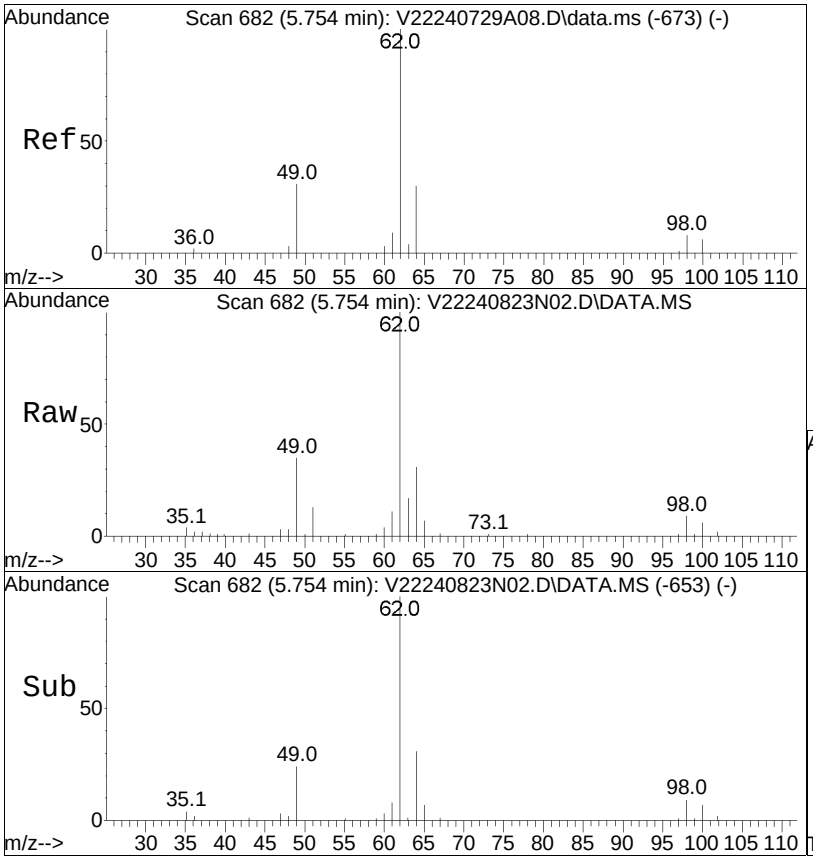


#44
Benzene
Concen: 9.50 ug/L
RT: 5.551 min Scan# 653
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 78 Resp: 258396

Ion	Ratio	Lower	Upper
78	100		
77	21.7	15.4	32.0
51	21.2	9.8	20.4#
52	21.2	9.2	19.2#

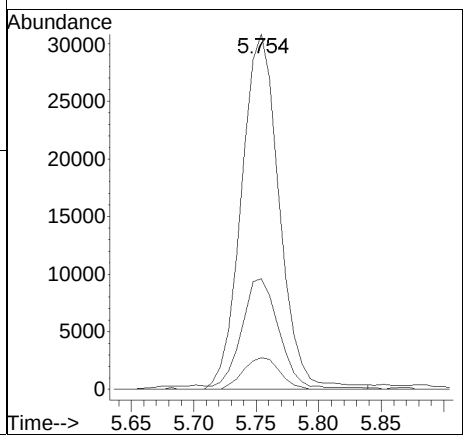


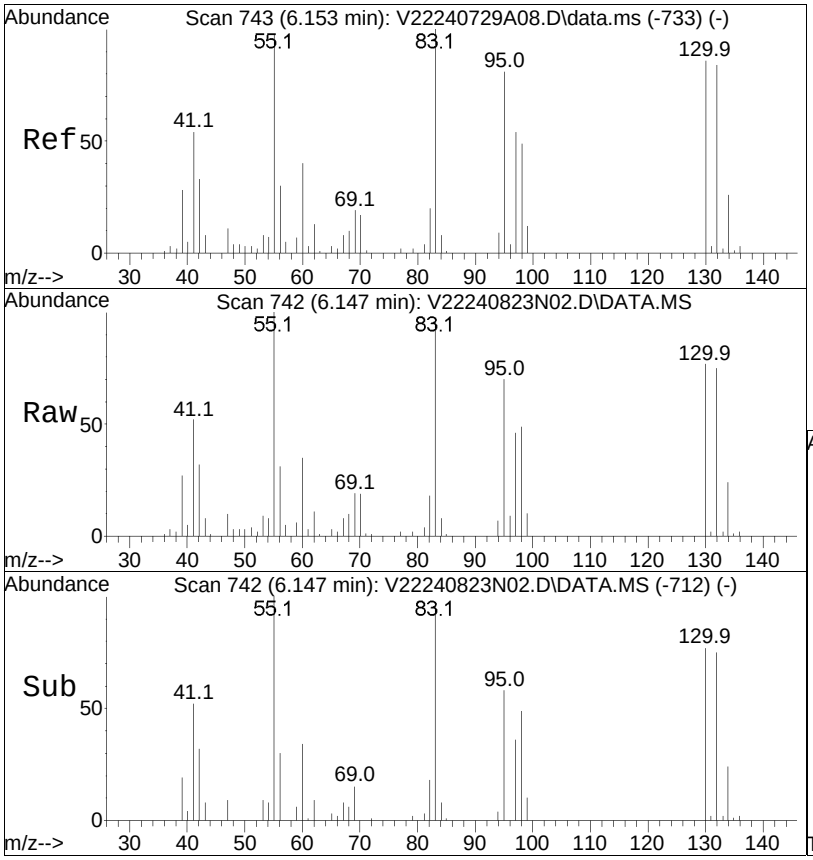


#47
1,2-Dichloroethane
Concen: 9.58 ug/L
RT: 5.754 min Scan# 682
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 62 Resp: 65054

Ion	Ratio	Lower	Upper
62	100		
64	34.9	12.3	52.3
98	8.6	0.0	30.3

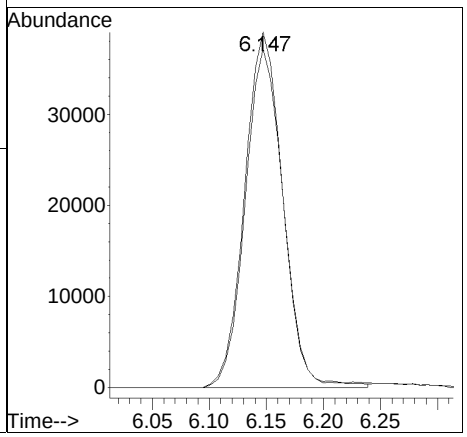


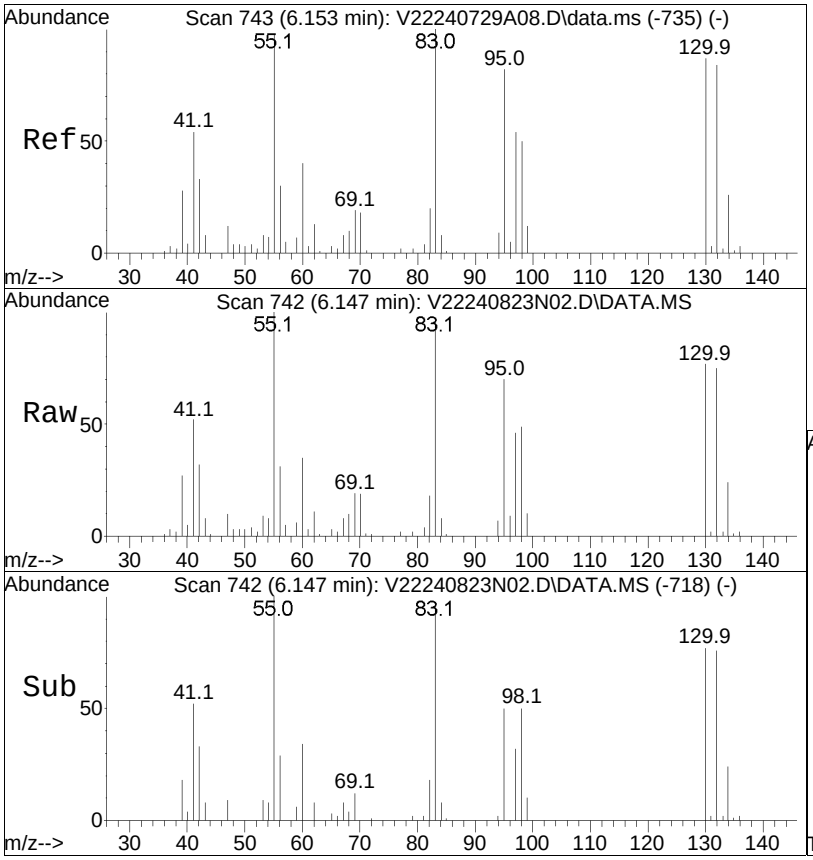


#50
Methyl cyclohexane
Concen: 9.81 ug/L
RT: 6.147 min Scan# 742
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 83 Resp: 86211

Ion	Ratio	Lower	Upper
83	100		
55	104.5	55.4	83.2#

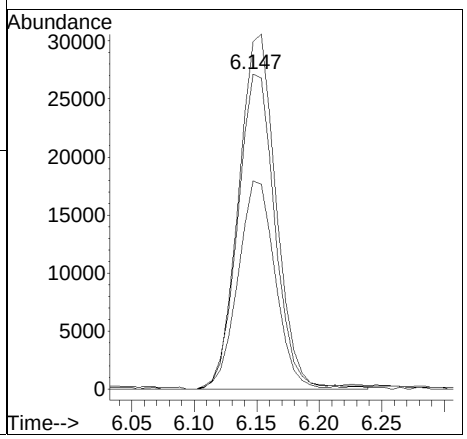


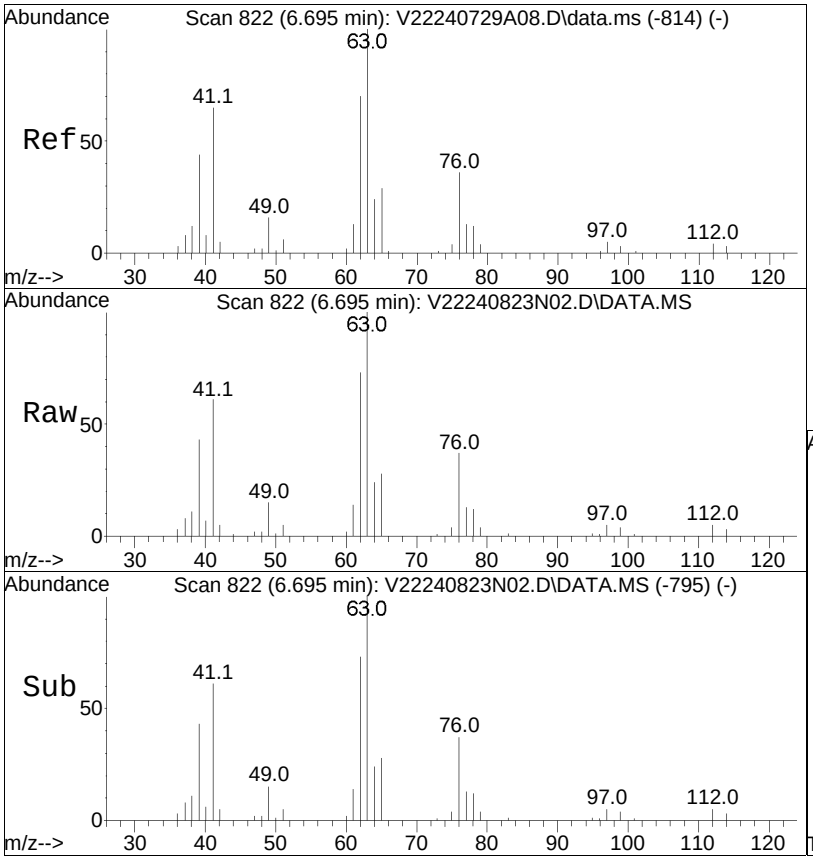


#51
Trichloroethene
Concen: 9.76 ug/L
RT: 6.147 min Scan# 742
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 95 Resp: 56443

Ion	Ratio	Lower	Upper
95	100		
97	66.0	55.0	82.4
130	112.7	89.2	133.8

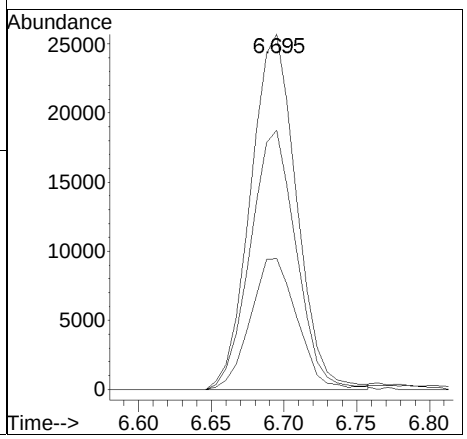


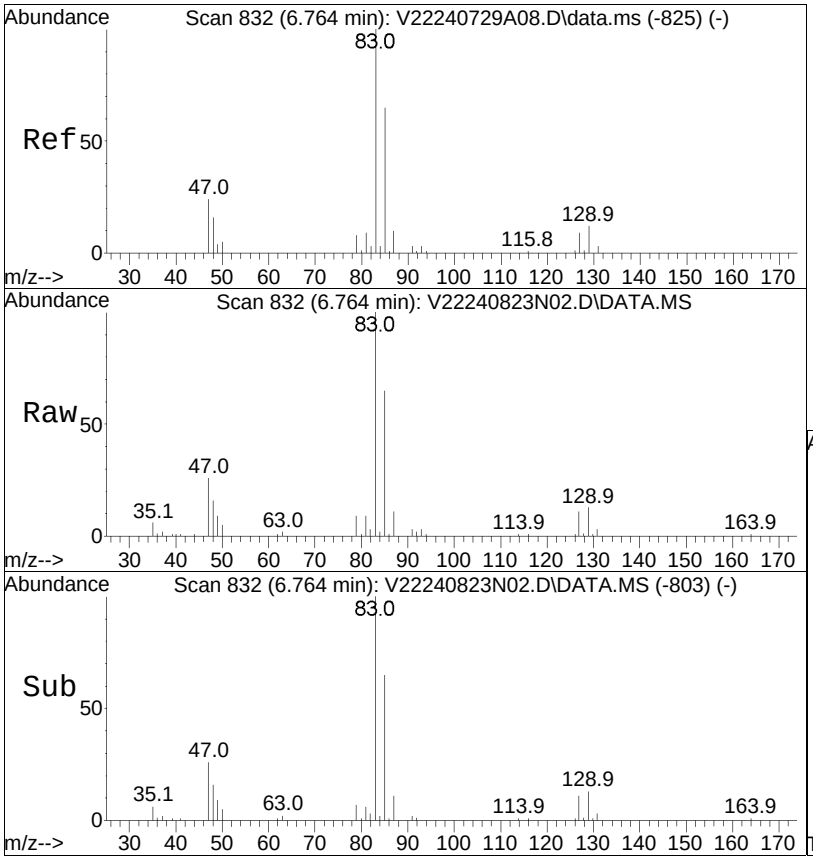


#54
1,2-Dichloropropane
Concen: 9.31 ug/L
RT: 6.695 min Scan# 822
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 63 Resp: 56510

Ion	Ratio	Lower	Upper
63	100		
62	72.4	56.9	85.3
76	37.5	35.8	53.8

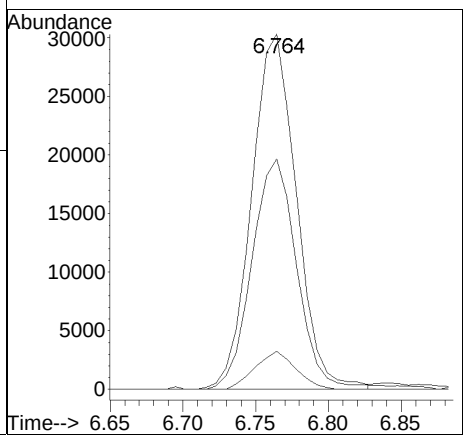


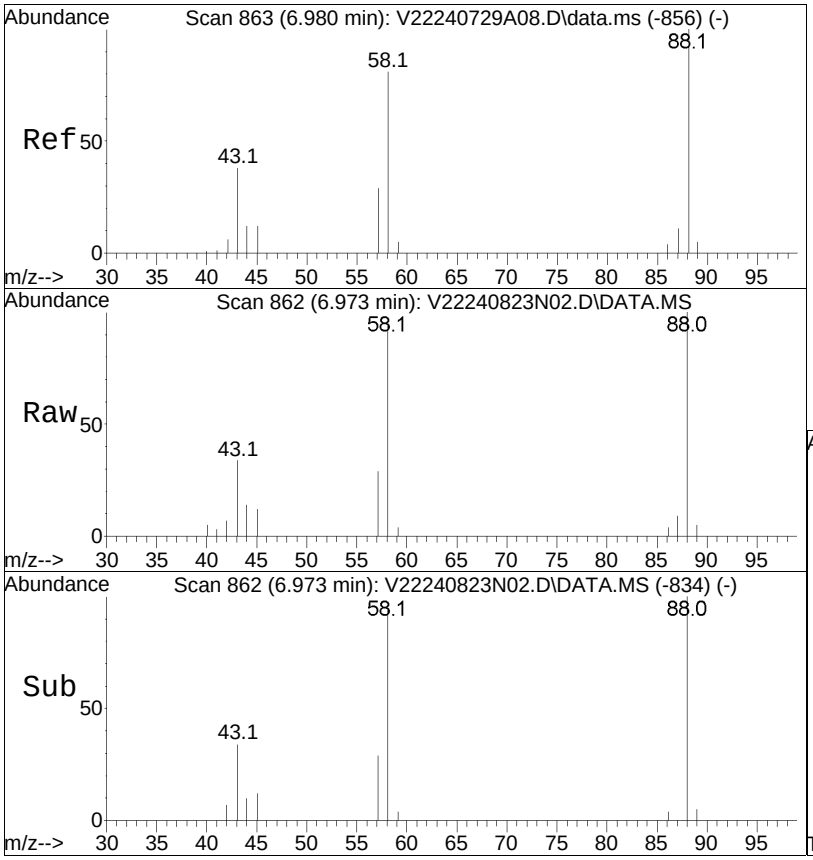


#57
Bromodichloromethane
Concen: 9.06 ug/L
RT: 6.764 min Scan# 832
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 83 Resp: 64908

Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.6	77.4
127	9.8	7.4	11.0

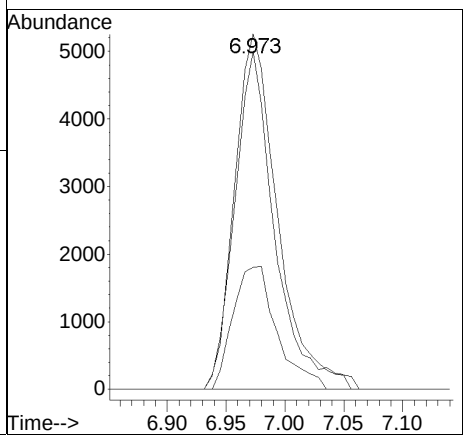


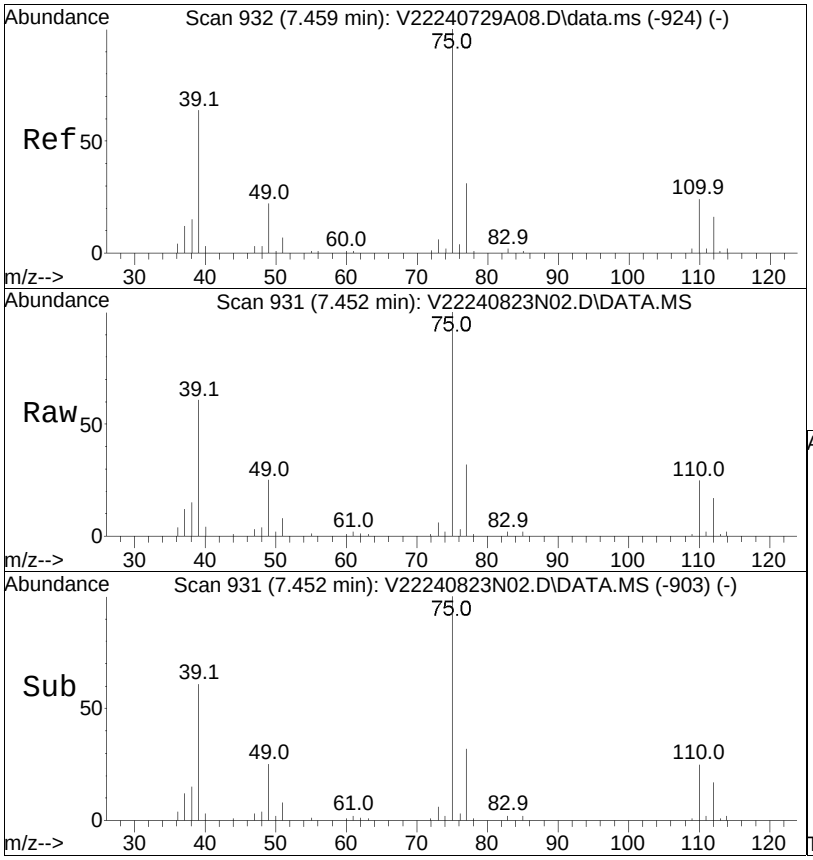


#60
1,4-Dioxane
Concen: 561.37 ug/L
RT: 6.973 min Scan# 862
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 88 Resp: 13446

Ion	Ratio	Lower	Upper
88	100		
58	88.0	43.3	64.9#
43	35.2	15.1	22.7#

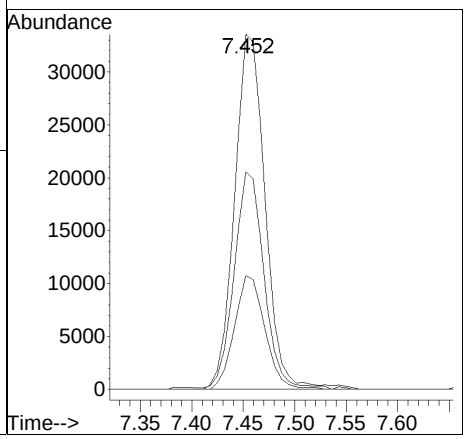


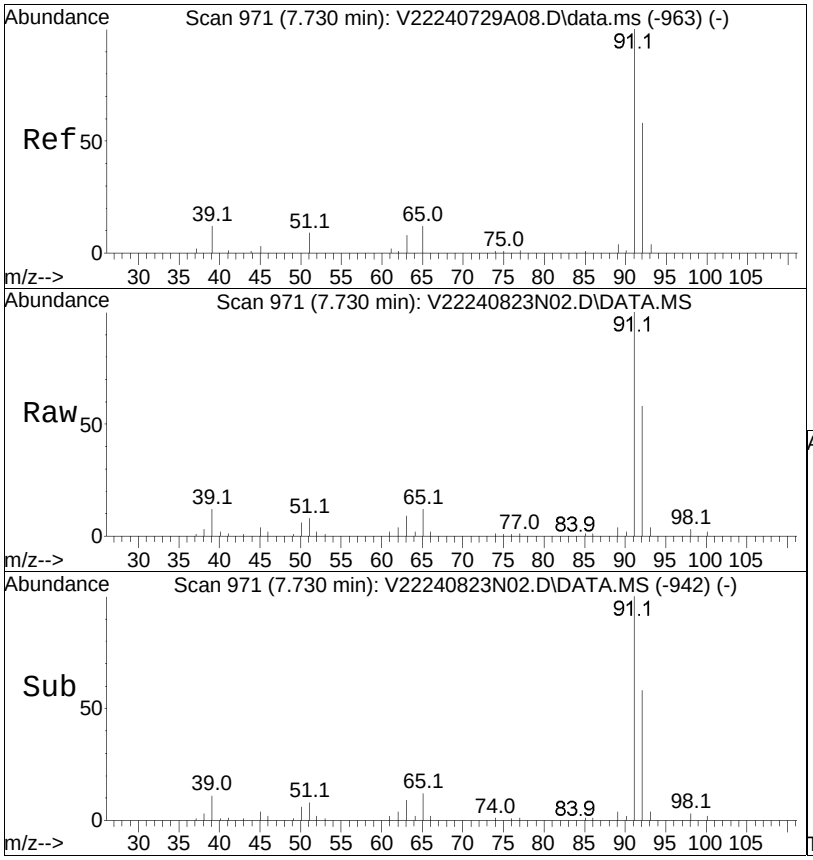


#61
cis-1,3-Dichloropropene
Concen: 9.40 ug/L
RT: 7.452 min Scan# 931
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 75 Resp: 69377

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4
39	60.0	35.4	53.0#

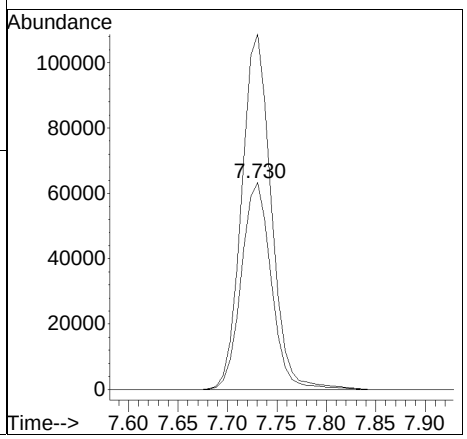


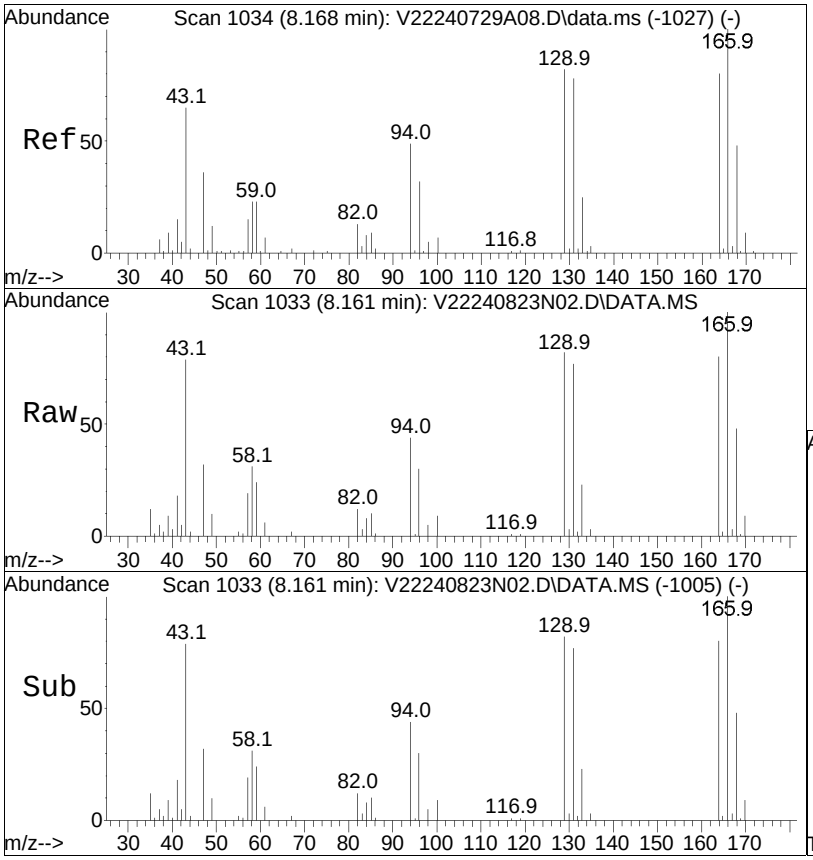


#64
Toluene
Concen: 9.12 ug/L
RT: 7.730 min Scan# 971
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 92 Resp: 133387

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.0	205.6

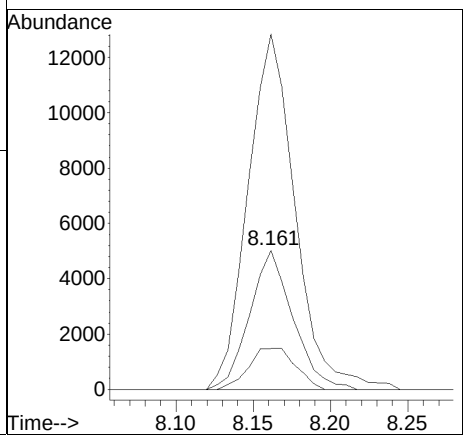


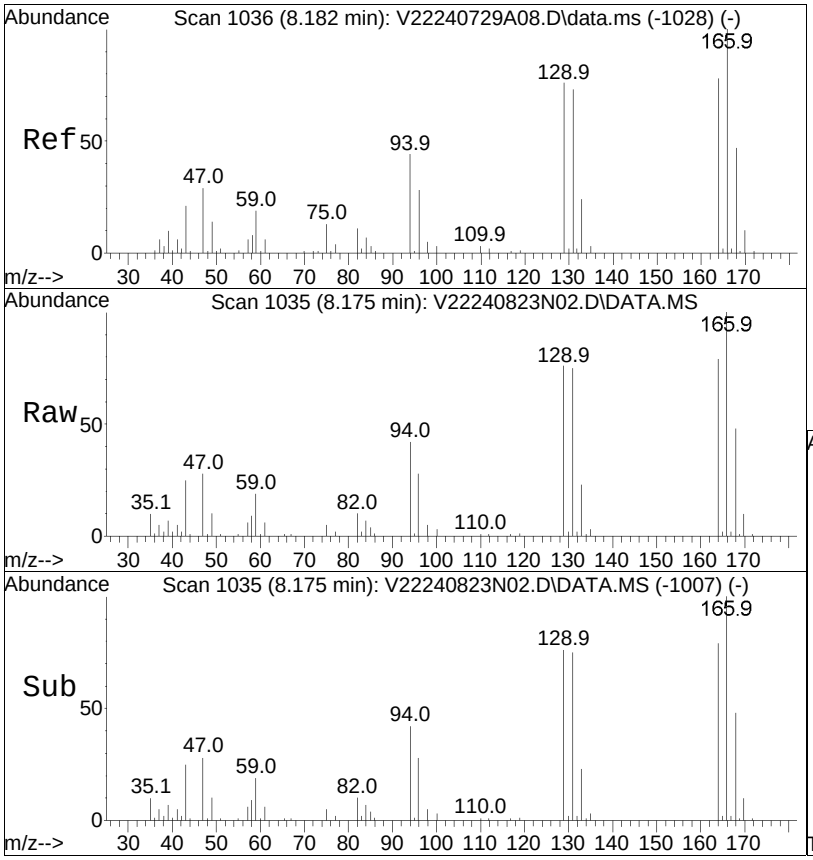


#65
4-Methyl-2-pentanone
Concen: 8.36 ug/L
RT: 8.161 min Scan# 1033
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 58 Resp: 9795

Ion	Ratio	Lower	Upper
58	100		
100	32.2	36.2	54.4#
43	278.9	181.8	272.8#

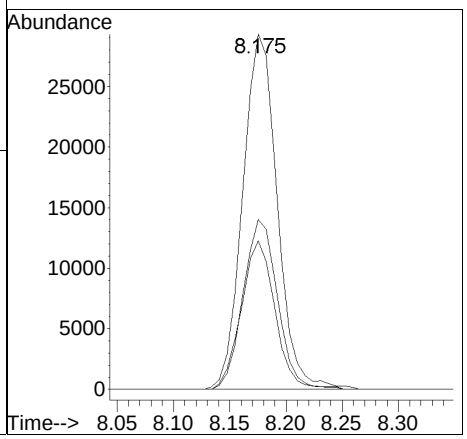


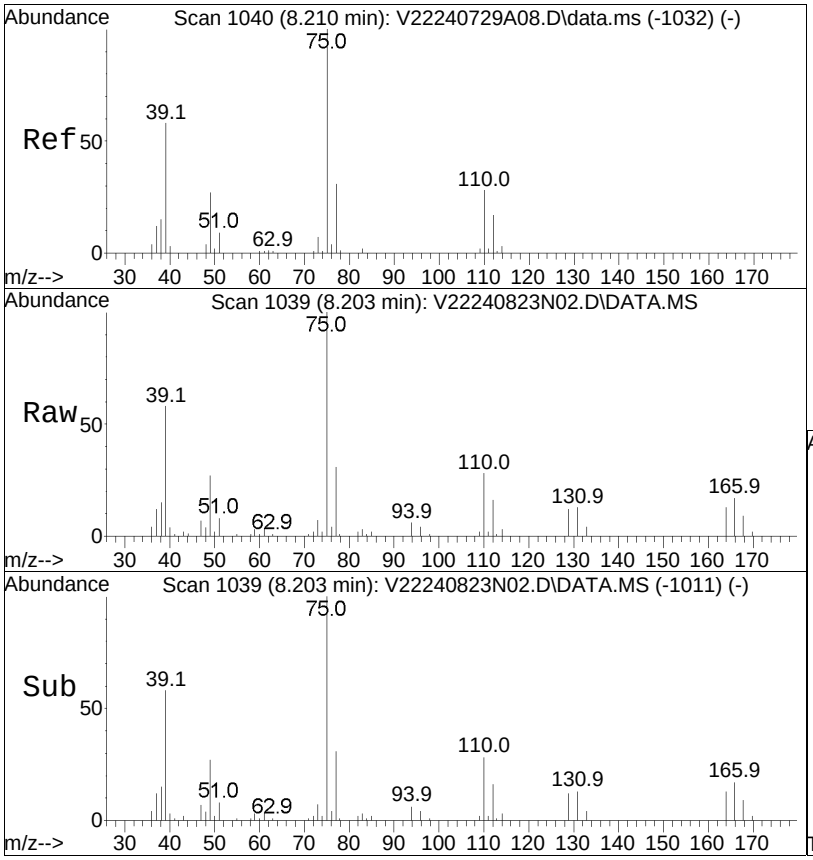


#66
Tetrachloroethene
Concen: 10.92 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:166 Resp: 62645

Ion	Ratio	Lower	Upper
166	100		
168	47.6	27.8	67.8
94	40.8	16.7	56.7

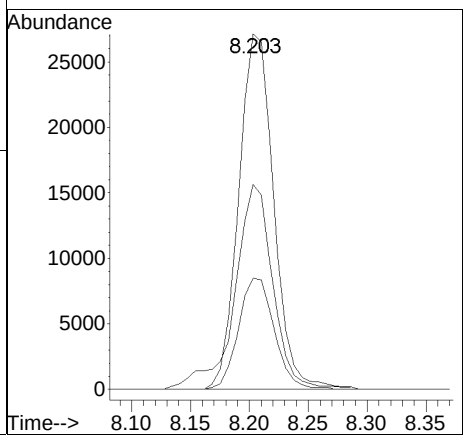


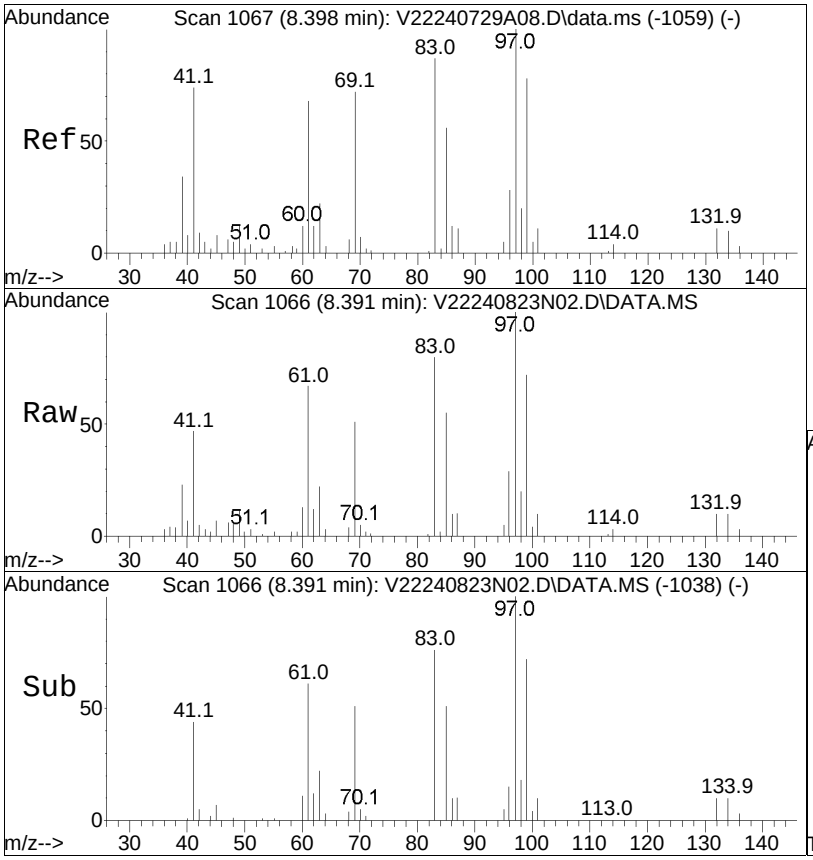


#68
trans-1,3-Dichloropropene
Concen: 7.79 ug/L
RT: 8.203 min Scan# 1039
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 75 Resp: 56206

Ion	Ratio	Lower	Upper
75	100		
77	32.0	11.9	51.9
39	63.0	27.4	67.4

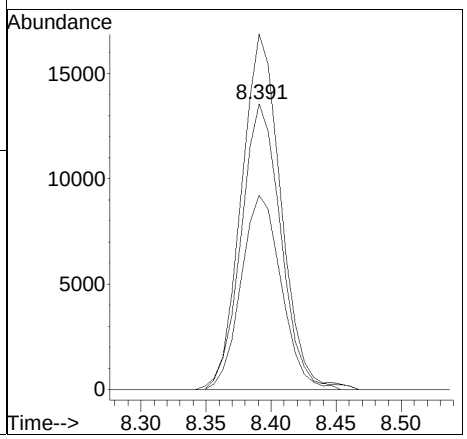


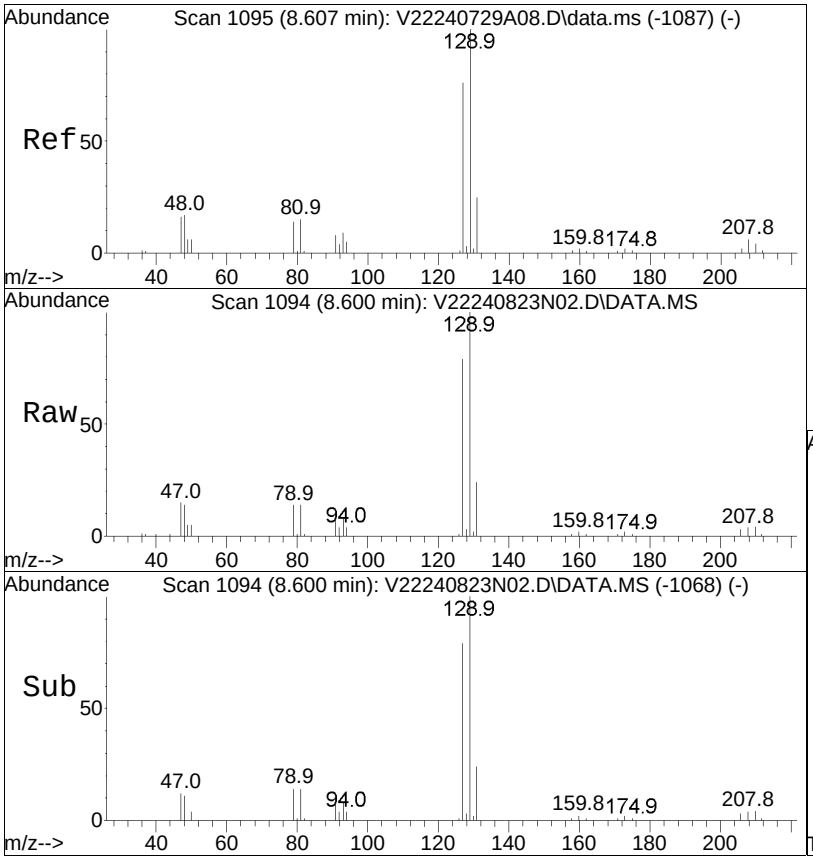


#71
1,1,2-Trichloroethane
Concen: 8.37 ug/L
RT: 8.391 min Scan# 1066
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 83 Resp: 28778

Ion	Ratio	Lower	Upper
83	100		
97	124.0	103.4	143.4
85	68.8	47.9	87.9

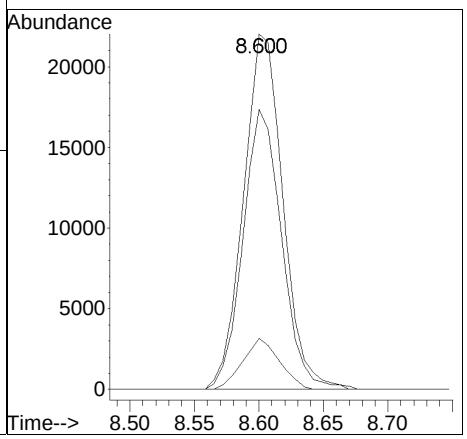


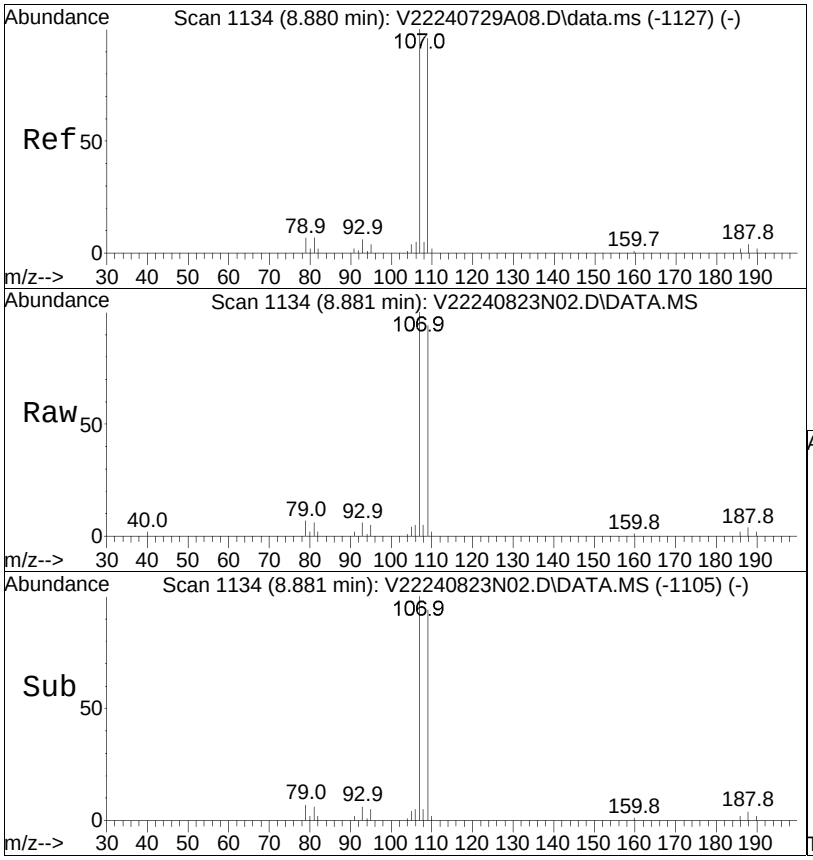


#72
Chlorodibromomethane
Concen: 8.50 ug/L
RT: 8.600 min Scan# 1094
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:129 Resp: 46942

Ion	Ratio	Lower	Upper
129	100		
81	13.3	0.0	33.8
127	77.1	57.1	97.1

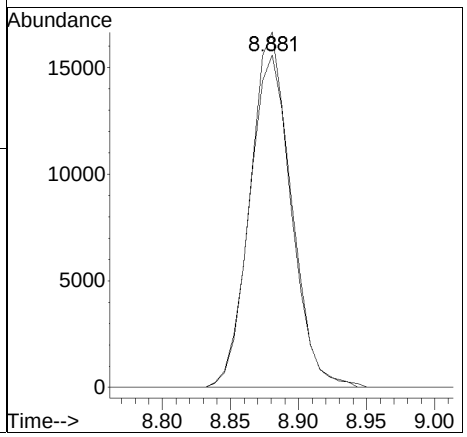


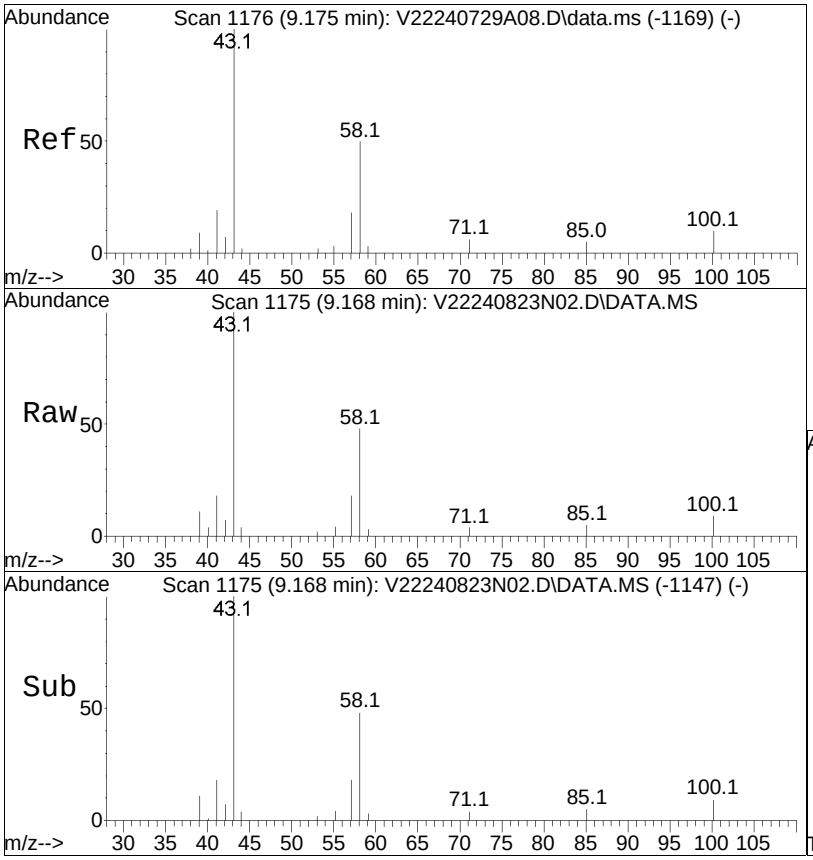


#74
1,2-Dibromoethane
Concen: 9.09 ug/L
RT: 8.881 min Scan# 1134
Delta R.T. 0.001 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:107 Resp: 34999

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.1	112.7

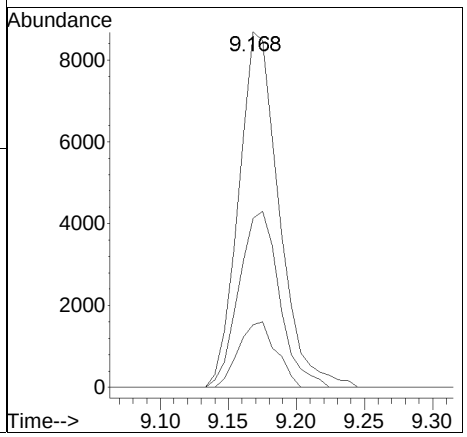


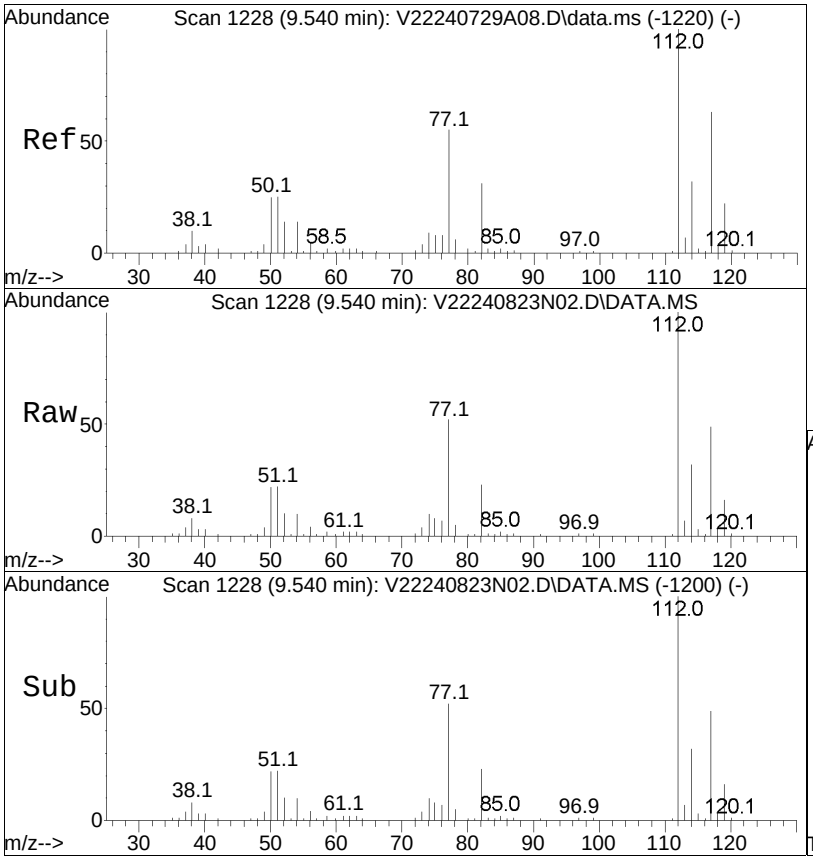


#76
2-Hexanone
Concen: 8.24 ug/L
RT: 9.168 min Scan# 1175
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 43 Resp: 17932

Ion	Ratio	Lower	Upper
43	100		
58	49.8	47.6	71.4
57	17.1	16.6	24.8

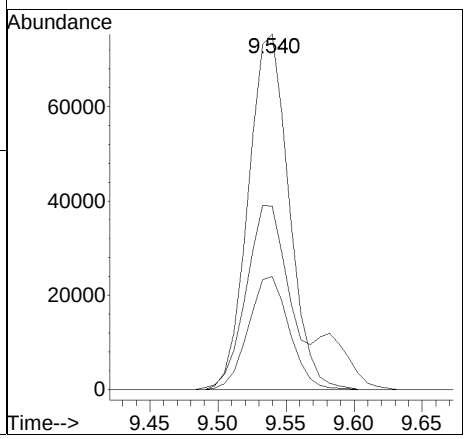


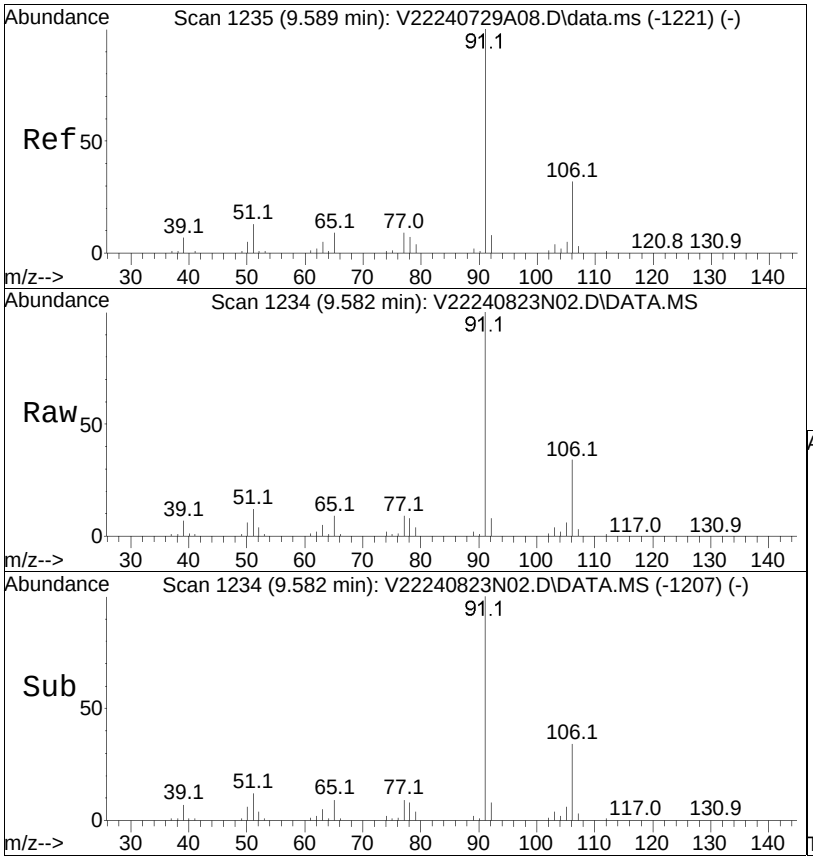


#77
Chlorobenzene
Concen: 9.43 ug/L
RT: 9.540 min Scan# 1228
Delta R.T. -0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:112 Resp: 156205

Ion	Ratio	Lower	Upper
112	100		
77	55.5	55.4	83.0
114	32.0	26.2	39.4

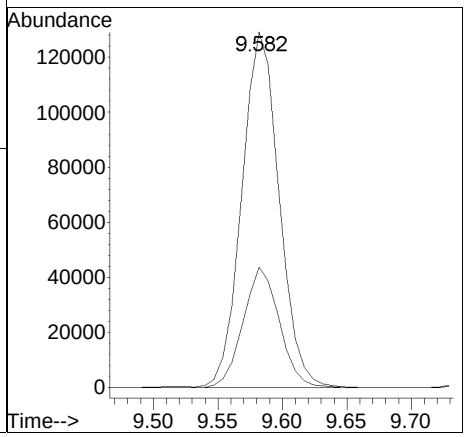


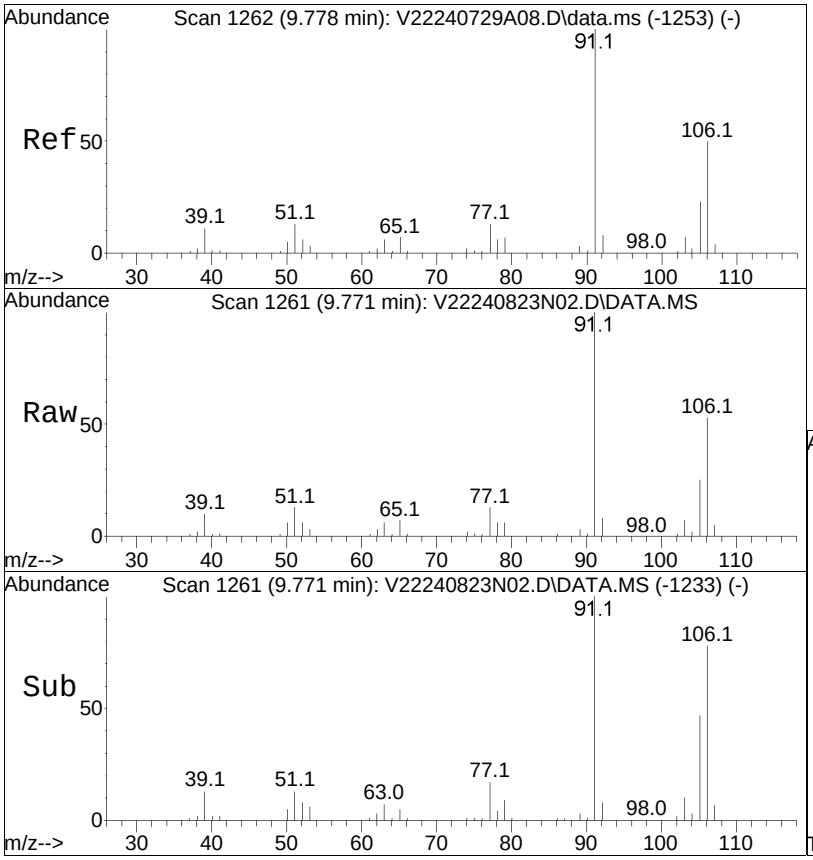


#78
Ethylbenzene
Concen: 9.38 ug/L
RT: 9.582 min Scan# 1234
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 91 Resp: 259185

Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.8	38.6

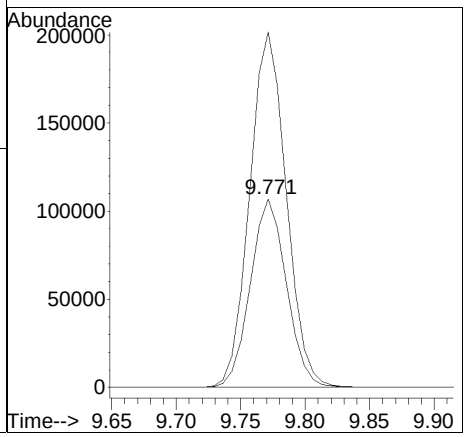


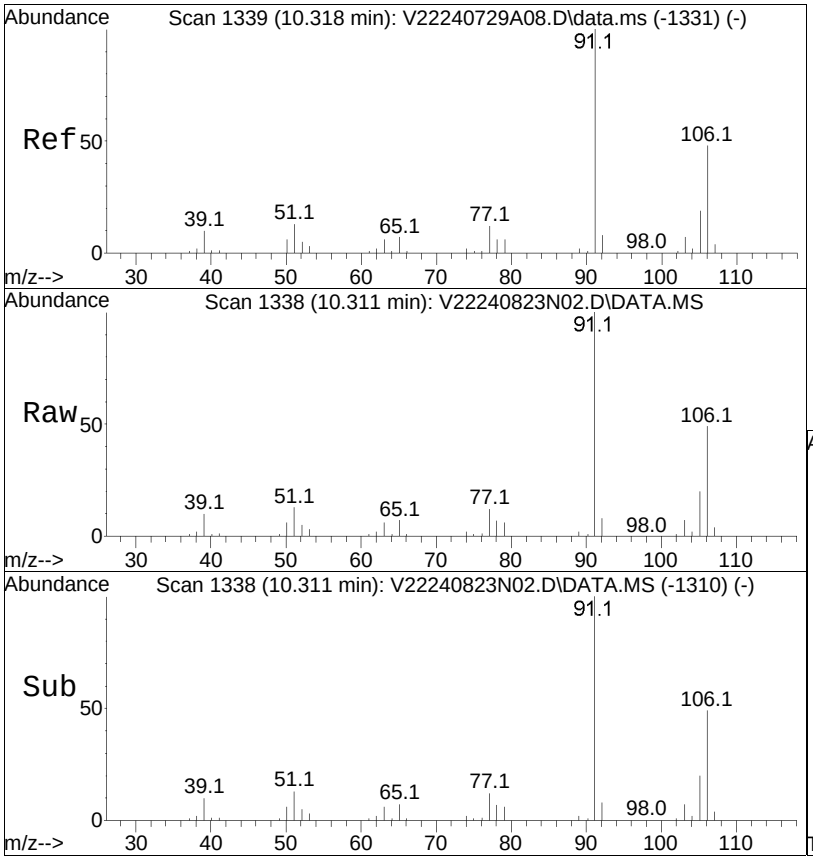


#80
p/m Xylene
Concen: 19.40 ug/L
RT: 9.771 min Scan# 1261
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:106 Resp: 208105

Ion	Ratio	Lower	Upper
106	100		
91	190.9	156.0	234.0

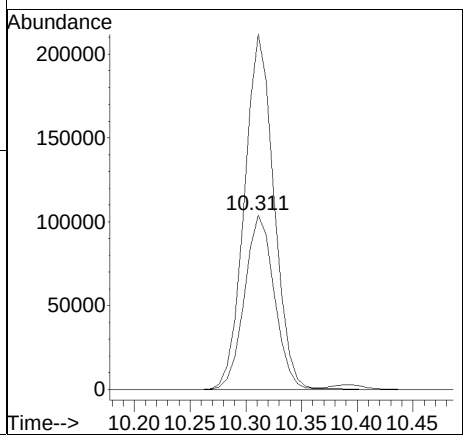


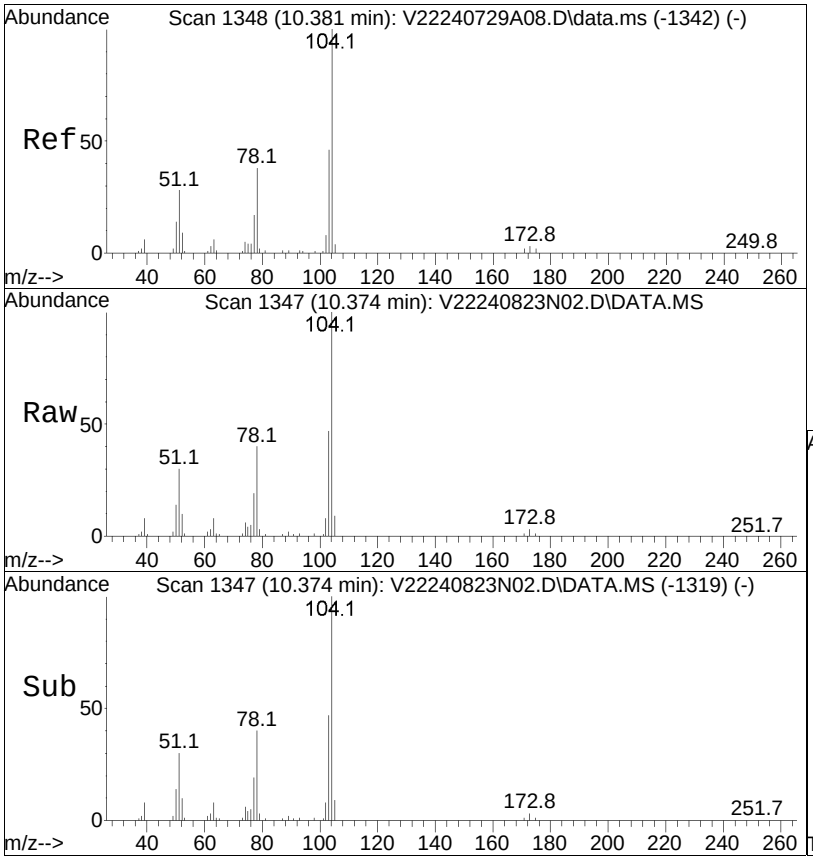


#81
o Xylene
Concen: 19.14 ug/L
RT: 10.311 min Scan# 1338
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:106 Resp: 194160

Ion	Ratio	Lower	Upper
106	100		
91	201.0	164.0	246.0

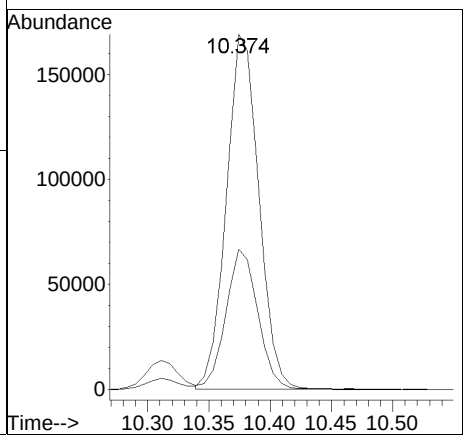


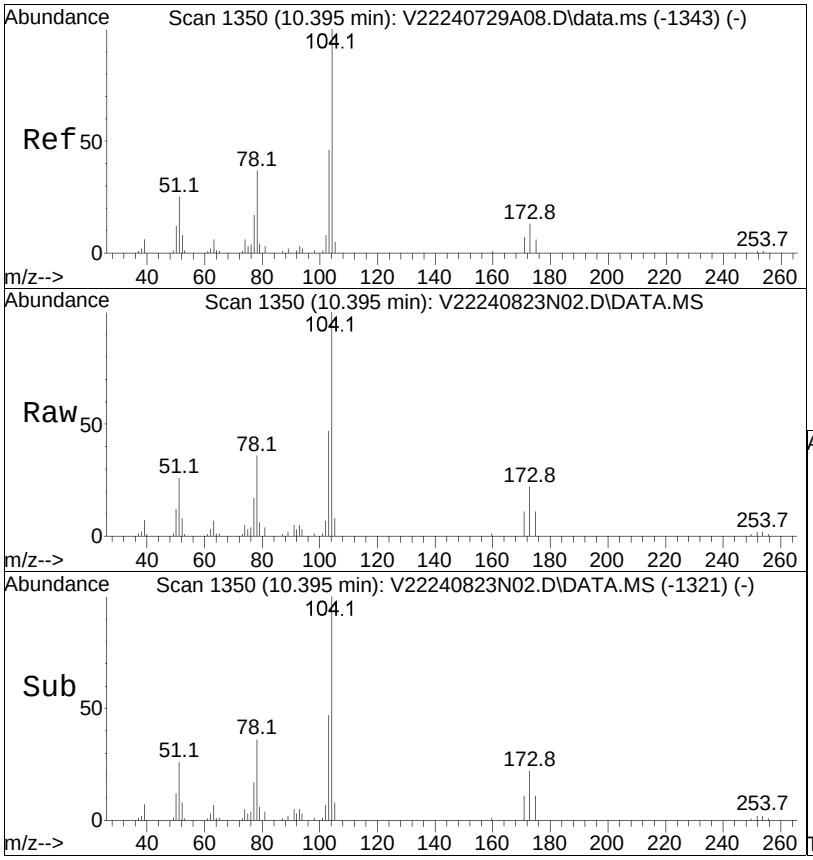


#82
Styrene
Concen: 19.07 ug/L
RT: 10.374 min Scan# 1347
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:104 Resp: 311048

Ion	Ratio	Lower	Upper
104	100		
78	38.9	32.1	48.1

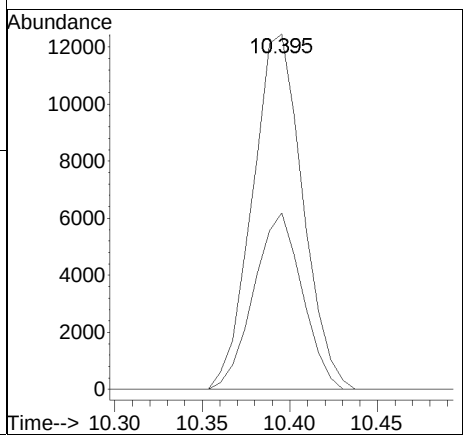


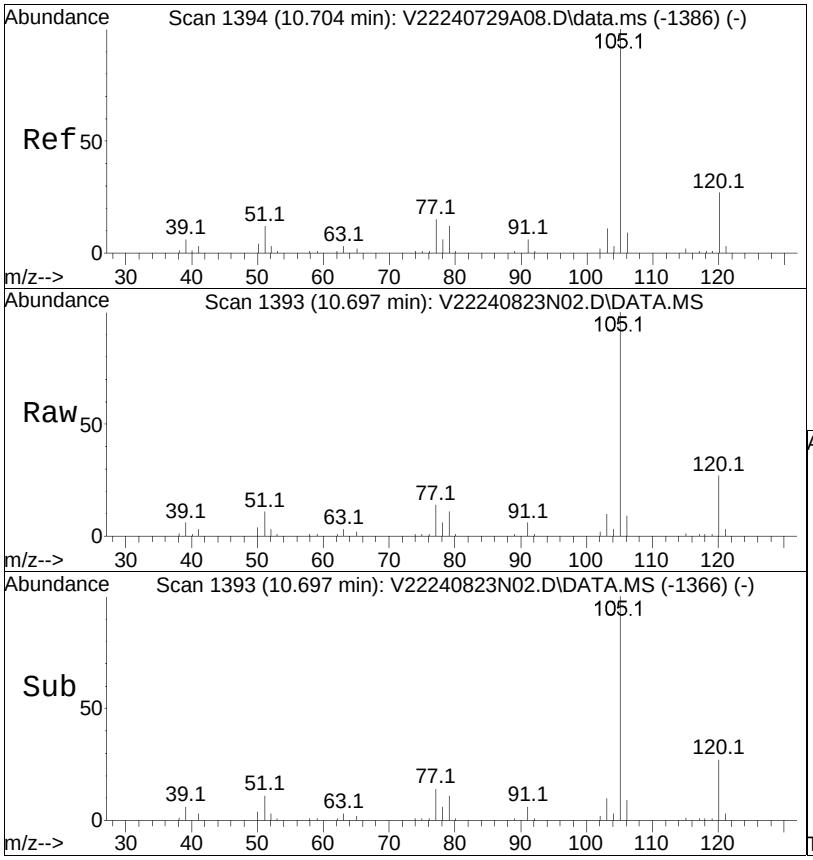


#84
Bromoform
Concen: 9.10 ug/L
RT: 10.395 min Scan# 1350
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:173 Resp: 24856

Ion	Ratio	Lower	Upper
173	100		
175	47.8	29.3	69.3

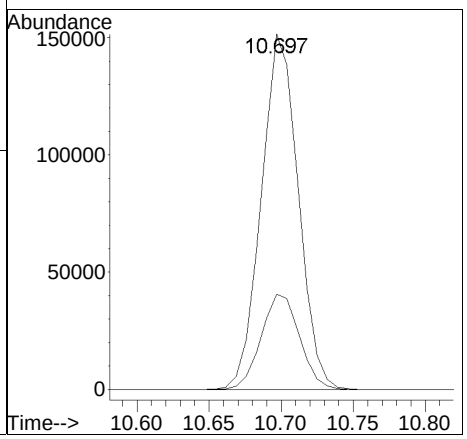


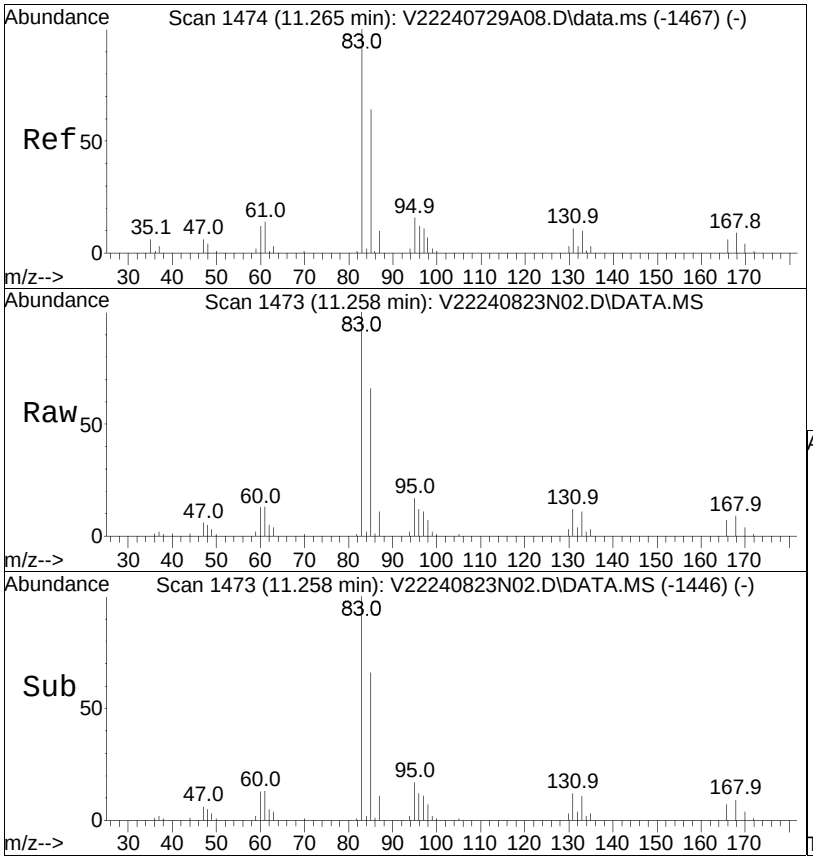


#86
Isopropylbenzene
Concen: 9.59 ug/L
RT: 10.697 min Scan# 1393
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:105 Resp: 270048

Ion	Ratio	Lower	Upper
105	100		
120	27.8	7.7	47.7

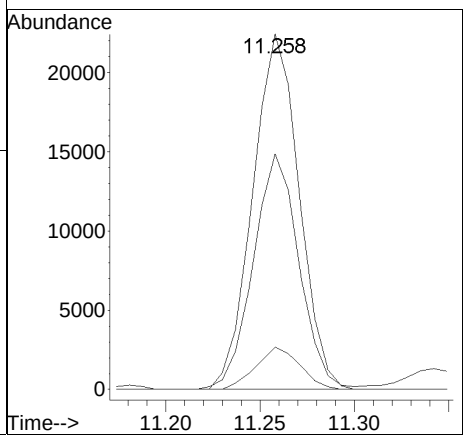


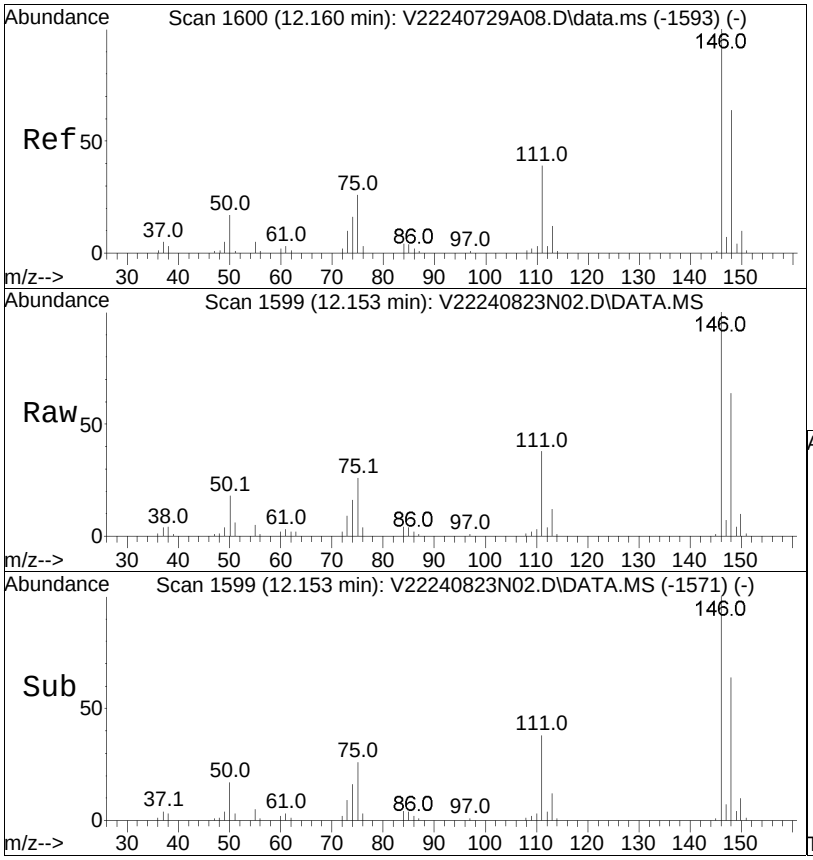


#91
1,1,2,2-Tetrachloroethane
Concen: 8.34 ug/L
RT: 11.258 min Scan# 1473
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion: 83 Resp: 38438

Ion	Ratio	Lower	Upper
83	100		
131	11.3	0.0	30.8
85	65.3	45.4	85.4

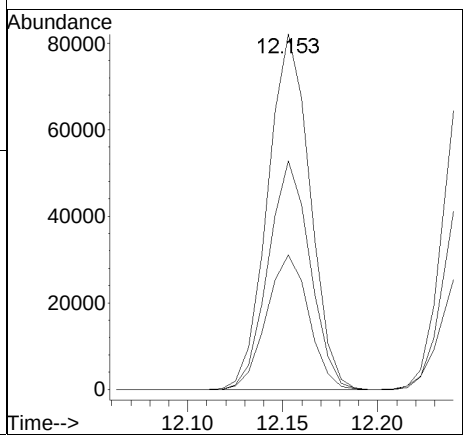


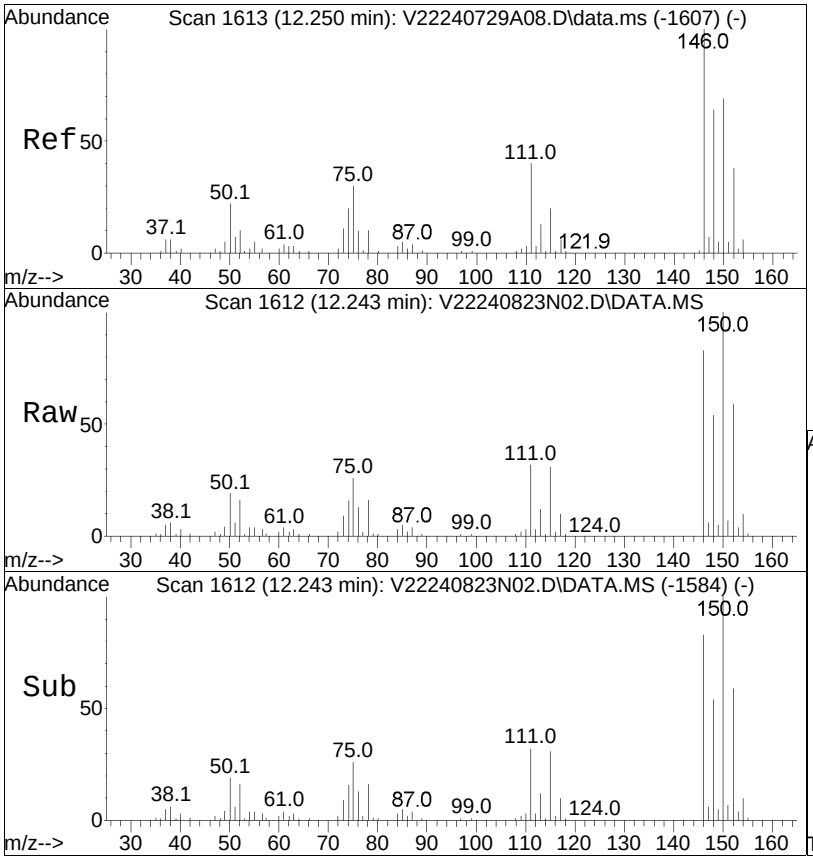


#104
1,3-Dichlorobenzene
Concen: 9.68 ug/L
RT: 12.153 min Scan# 1599
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:146 Resp: 127143

Ion	Ratio	Lower	Upper
146	100		
111	37.8	24.0	49.8
148	63.6	41.8	86.8

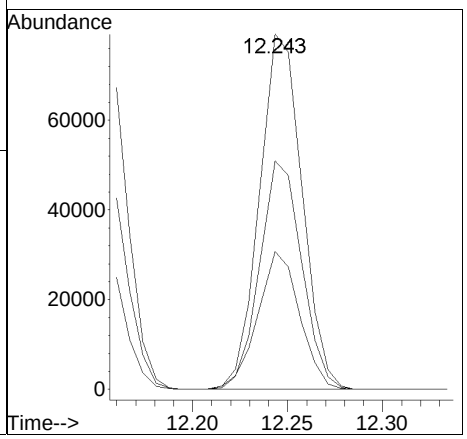


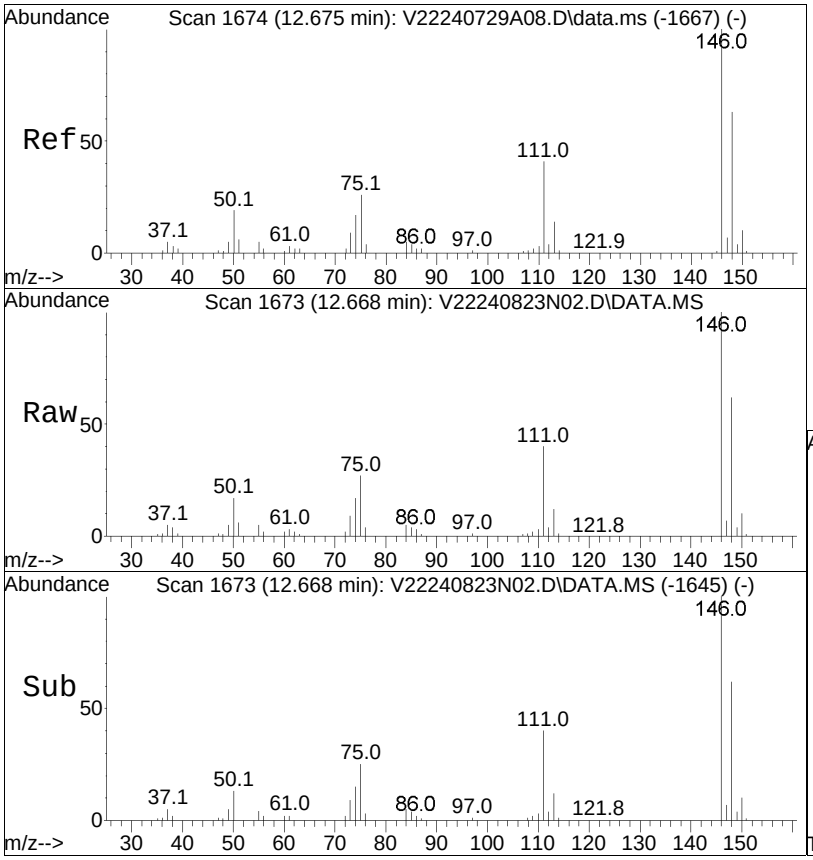


#105
1,4-Dichlorobenzene
Concen: 9.50 ug/L
RT: 12.243 min Scan# 1612
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:146 Resp: 123843

Ion	Ratio	Lower	Upper
146	100		
111	38.3	28.9	43.3
148	63.4	51.4	77.2

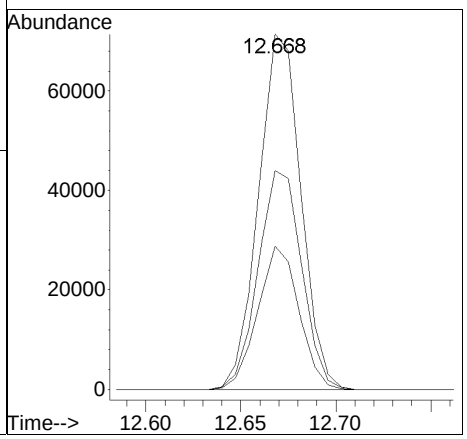


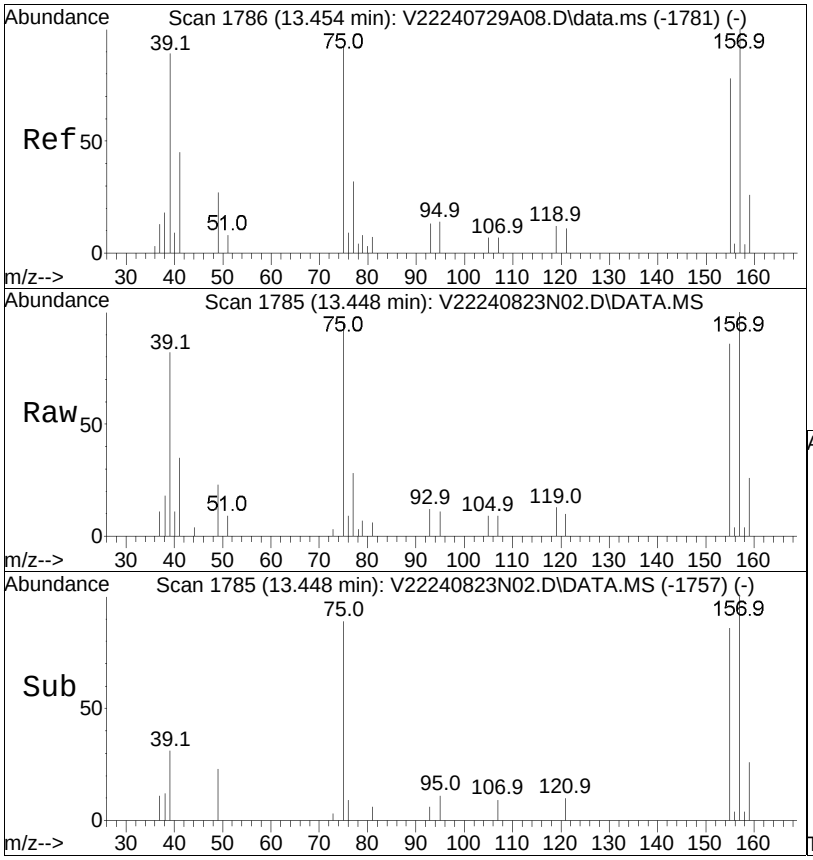


#108
1,2-Dichlorobenzene
Concen: 9.53 ug/L
RT: 12.668 min Scan# 1673
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:146 Resp: 110754

Ion	Ratio	Lower	Upper
146	100		
111	39.3	24.8	51.6
148	63.3	42.2	87.6

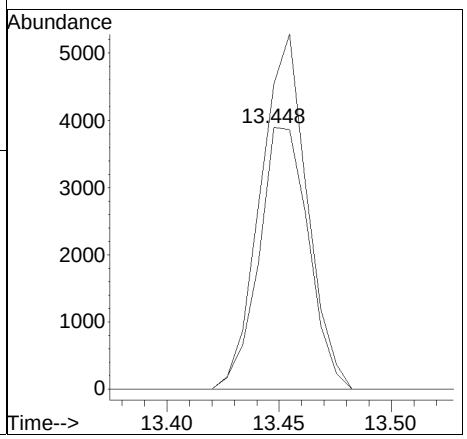


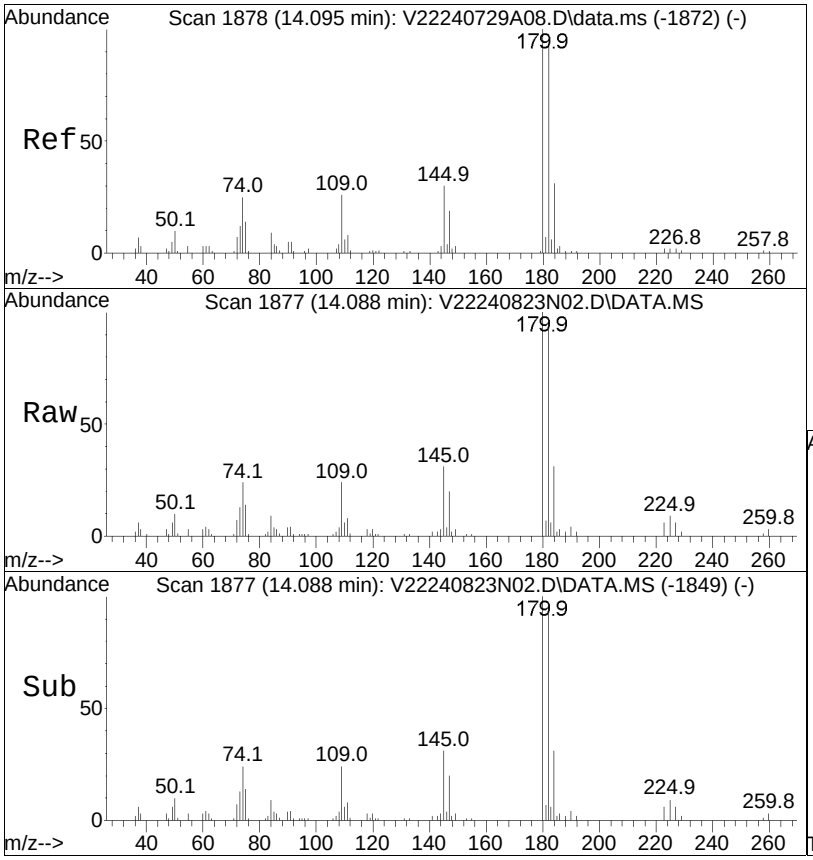


#110
1,2-Dibromo-3-chloropropane
Concen: 8.69 ug/L
RT: 13.448 min Scan# 1785
Delta R.T. -0.006 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:155 Resp: 5969

Ion	Ratio	Lower	Upper
155	100		
157	127.6	102.3	153.5

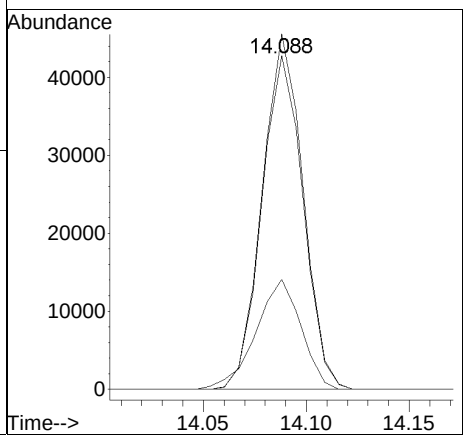


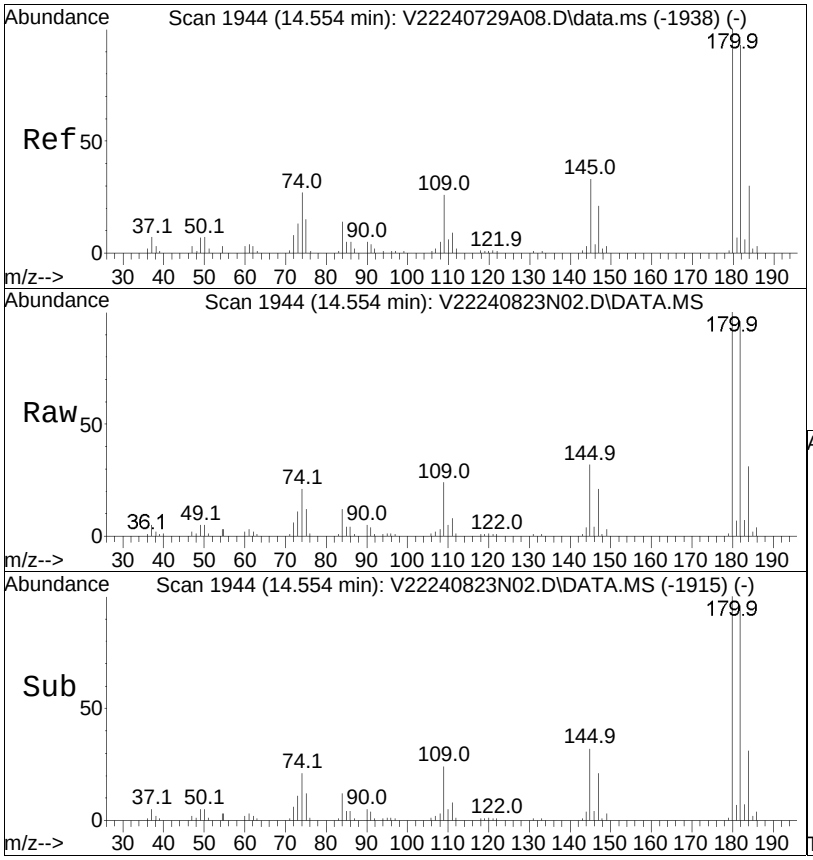


#113
1,2,4-Trichlorobenzene
Concen: 9.74 ug/L
RT: 14.088 min Scan# 1877
Delta R.T. -0.007 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:180 Resp: 62778

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.6	114.8
145	34.2	25.5	38.3

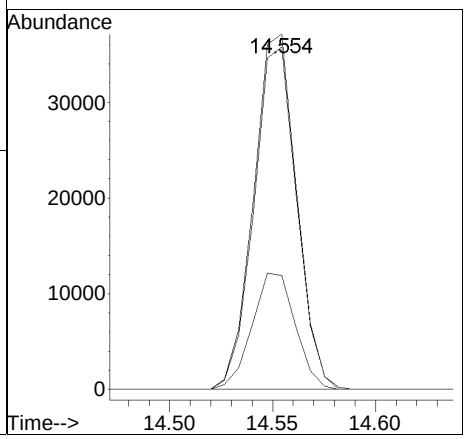




#115
1,2,3-Trichlorobenzene
Concen: 9.89 ug/L
RT: 14.554 min Scan# 1944
Delta R.T. 0.000 min
Lab File: V22240823N02.D
Acq: 23 Aug 2024 04:27 pm

Tgt Ion:180 Resp: 54136

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.0	114.0
145	32.9	23.8	35.8



Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N26.D
Acq On : 24 Aug 2024 02:29 am
Operator : VOA122:MAG
Sample : WG1963652-6,31,10,10,,A1
Misc : WG1963652,ICAL21346
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 25 20:19:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.977	96	542974	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 126.73%			
62) Chlorobenzene-d5	9.519	117	437788	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 122.71%			
83) 1,4-Dichlorobenzene-d4	12.236	152	221835	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 118.16%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	182382	9.613	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.13%			
46) 1,2-Dichloroethane-d4	5.688	65	163998	10.226	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.26%			
63) Toluene-d8	7.675	98	536518	9.619	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.19%			
87) 4-Bromofluorobenzene	11.019	95	192449	9.527	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.27%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	79883	7.452	ug/L	97
3) Chloromethane	1.809	50	121563	8.501	ug/L	98
4) Vinyl chloride	1.881	62	124122	10.972	ug/L	96
5) Bromomethane	2.189	94	15696	3.454	ug/L	100
6) Chloroethane	2.300	64	71458	10.927	ug/L	97
7) Trichlorofluoromethane	2.444	101	145113	11.179	ug/L	99
10) 1,1-Dichloroethene	2.929	96	83718	11.145	ug/L #	71
11) Carbon disulfide	2.962	76	271800	11.014	ug/L	100
12) Freon-113	2.969	101	88354	11.373	ug/L	95
15) Methylene chloride	3.473	84	93705	9.409	ug/L #	59
17) Acetone	3.513	43	18924	10.424	ug/L	99
18) trans-1,2-Dichloroethene	3.631	96	90449	10.293	ug/L	80
19) Methyl acetate	3.631	43	42155	9.024	ug/L #	83
21) Methyl tert-butyl ether	3.729	73	183905	10.944	ug/L #	80
25) 1,1-Dichloroethane	4.207	63	189023	10.532	ug/L	95
30) cis-1,2-Dichloroethene	4.725	96	97923	10.055	ug/L #	78
32) Bromochloromethane	4.915	128	47606	10.359	ug/L #	68
33) Cyclohexane	4.928	56	208202	11.466	ug/L	68
34) Chloroform	4.987	83	159803	10.288	ug/L	94
36) Carbon tetrachloride	5.125	117	124760	11.129	ug/L	98

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N26.D
Acq On : 24 Aug 2024 02:29 am
Operator : VOA122:MAG
Sample : WG1963652-6,31,10,10,,A1
Misc : WG1963652,ICAL21346
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 25 20:19:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.190	97	139185	10.625	ug/L		94
41) 2-Butanone	5.276	43	25240	9.894	ug/L	#	45
44) Benzene	5.557	78	364907	10.610	ug/L	#	92
47) 1,2-Dichloroethane	5.754	62	87556	10.190	ug/L		98
50) Methyl cyclohexane	6.147	83	122478	10.855	ug/L	#	62
51) Trichloroethene	6.154	95	73766	10.084	ug/L		97
54) 1,2-Dichloropropane	6.695	63	82277	10.713	ug/L	#	94
57) Bromodichloromethane	6.764	83	91779	10.128	ug/L		98
60) 1,4-Dioxane	6.973	88	16976	560.296	ug/L	#	55
61) cis-1,3-Dichloropropene	7.459	75	94751	10.147	ug/L	#	87
64) Toluene	7.731	92	183327	10.166	ug/L		99
65) 4-Methyl-2-pentanone	8.161	58	14741	10.215	ug/L	#	74
66) Tetrachloroethene	8.175	166	82025	11.600	ug/L		96
68) trans-1,3-Dichloropropene	8.210	75	78140	8.738	ug/L		87
71) 1,1,2-Trichloroethane	8.391	83	41667	9.840	ug/L		97
72) Chlorodibromomethane	8.607	129	63639	9.312	ug/L		99
74) 1,2-Dibromoethane	8.881	107	48058	10.127	ug/L		98
76) 2-Hexanone	9.175	43	26271	9.796	ug/L		88
77) Chlorobenzene	9.540	112	207260	10.148	ug/L		89
78) Ethylbenzene	9.582	91	360627	10.592	ug/L		99
80) p/m Xylene	9.771	106	282155	21.349	ug/L		100
81) o Xylene	10.311	106	263899	21.114	ug/L		99
82) Styrene	10.381	104	428628	21.321	ug/L		100
84) Bromoform	10.395	173	32698	9.798	ug/L		99
86) Isopropylbenzene	10.704	105	370582	10.770	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.258	83	55253	9.816	ug/L		99
104) 1,3-Dichlorobenzene	12.153	146	164938	10.276	ug/L		98
105) 1,4-Dichlorobenzene	12.250	146	161614	10.153	ug/L		97
108) 1,2-Dichlorobenzene	12.675	146	145777	10.267	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.455	155	7984	9.464	ug/L		96
113) 1,2,4-Trichlorobenzene	14.088	180	83891	10.660	ug/L		99
115) 1,2,3-Trichlorobenzene	14.554	180	72885	10.902	ug/L		98

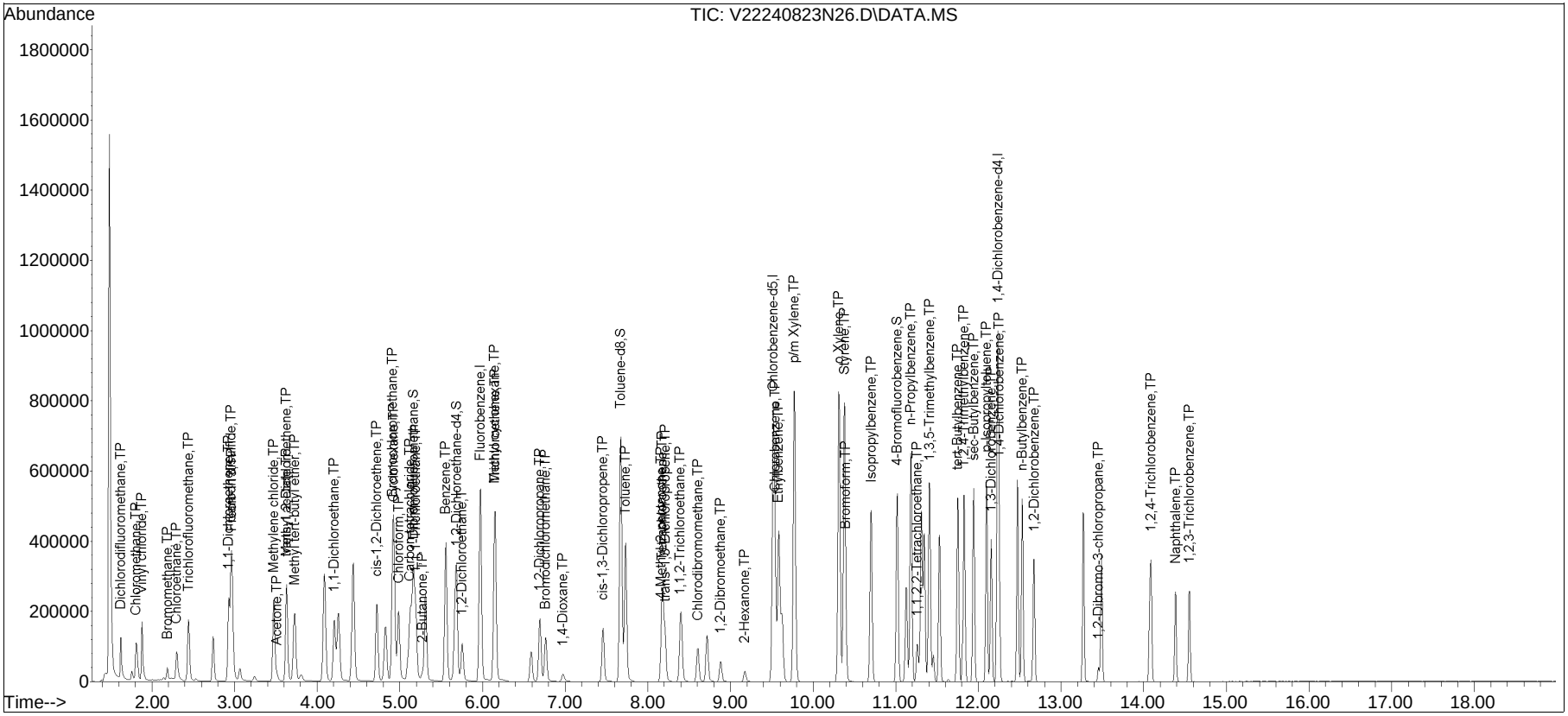
(#) = qualifier out of range (m) = manual integration (+) = signals summed

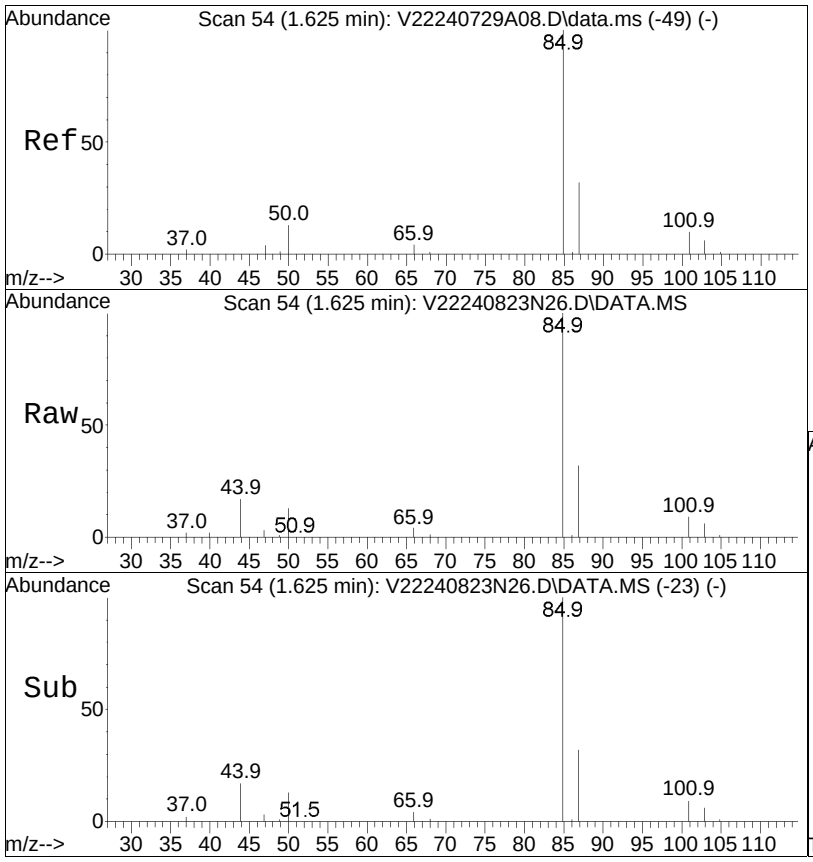
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N26.D
Acq On : 24 Aug 2024 02:29 am
Operator : VOA122:MAG
Sample : WG1963652-6,31,10,10,,A1
Misc : WG1963652,ICAL21346
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 25 20:19:00 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•

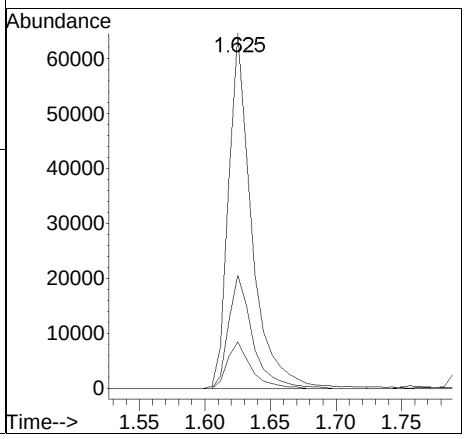


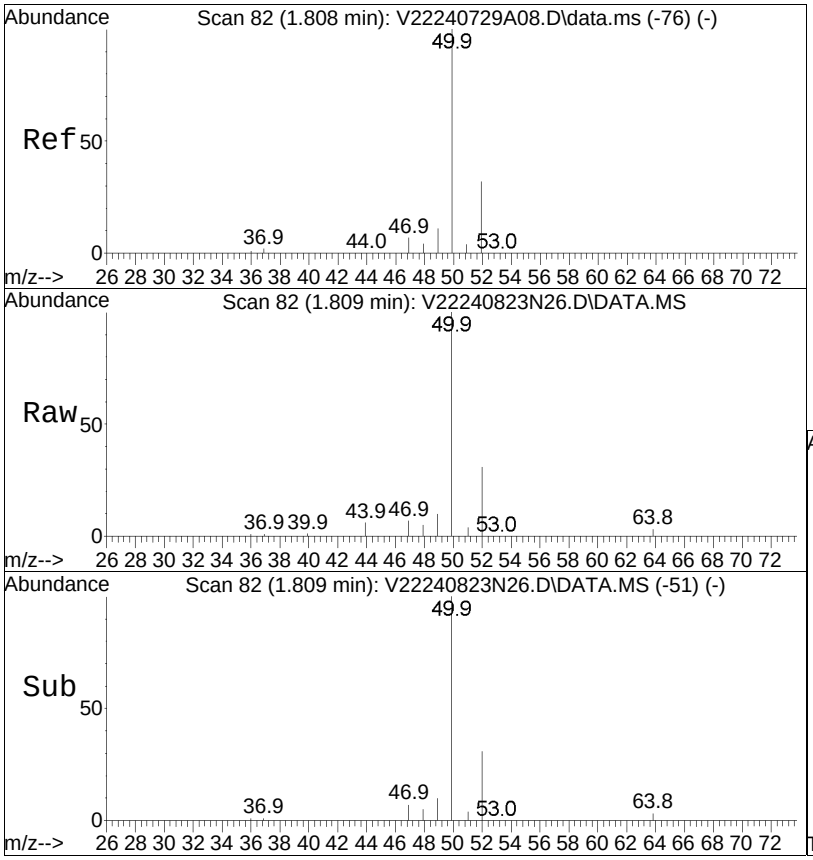


#2
Dichlorodifluoromethane
Concen: 7.45 ug/L
RT: 1.625 min Scan# 54
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 85 Resp: 79883

Ion	Ratio	Lower	Upper
85	100		
87	32.9	20.7	42.9
50	13.3	6.8	14.2

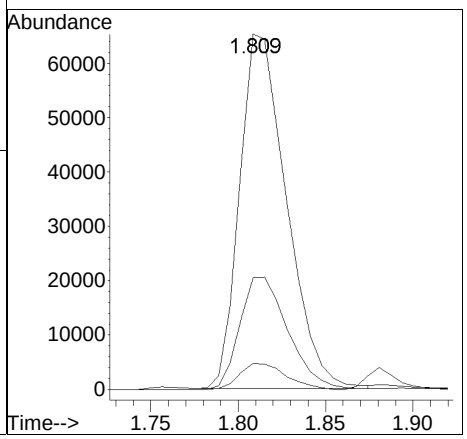


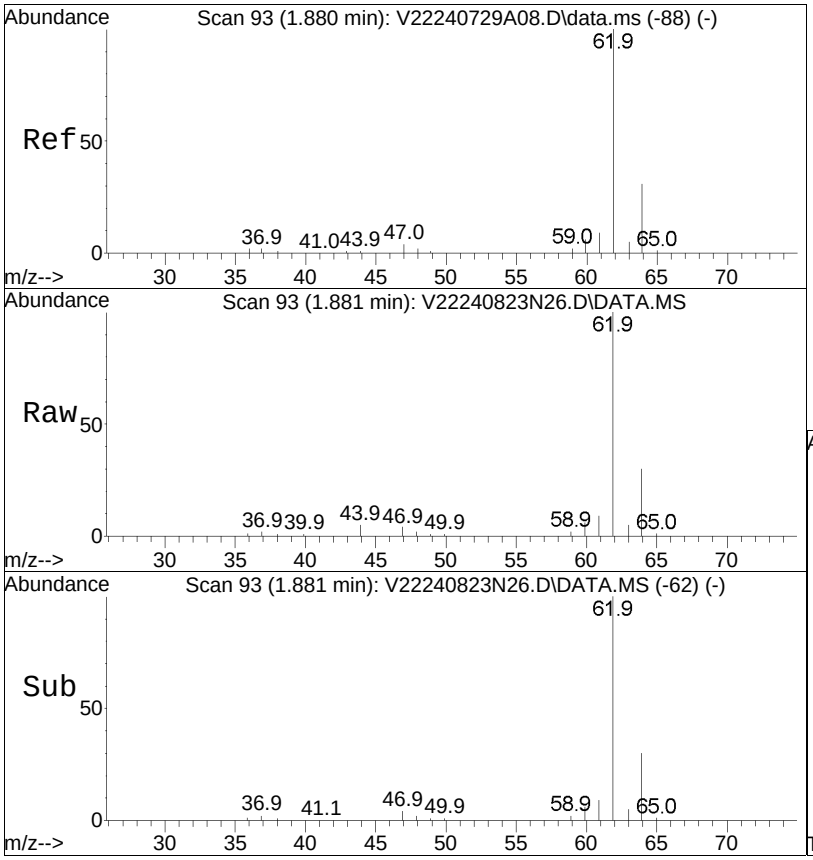


#3
Chloromethane
Concen: 8.50 ug/L
RT: 1.809 min Scan# 82
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 50 Resp: 121563

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.8	52.8
47	7.3	0.0	30.0

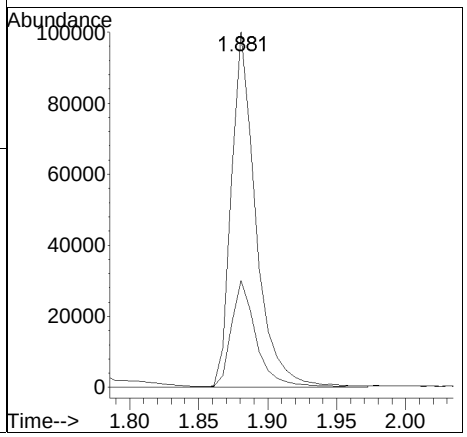


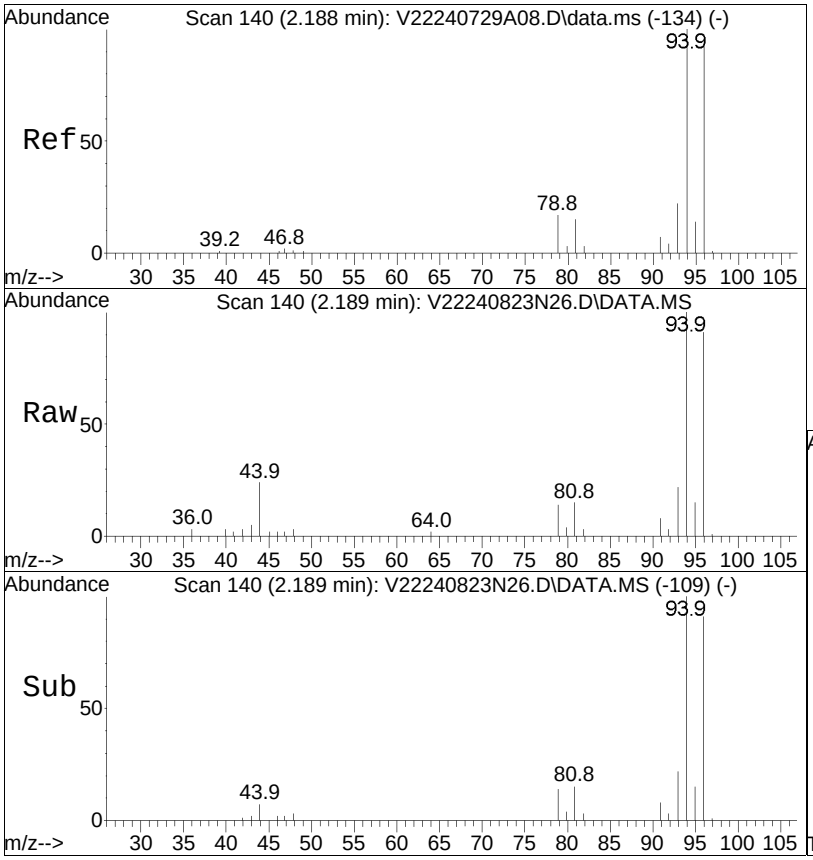


#4
Vinyl chloride
Concen: 10.97 ug/L
RT: 1.881 min Scan# 93
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 62 Resp: 124122

Ion	Ratio	Lower	Upper
62	100		
64	29.7	12.0	52.0

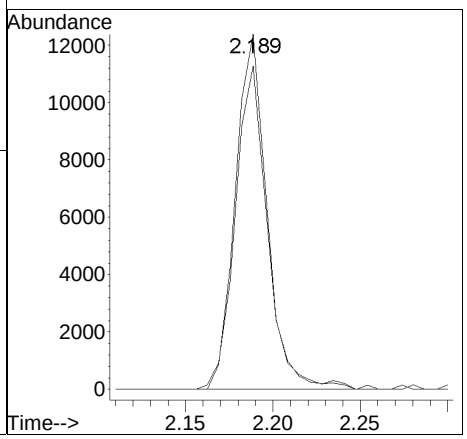


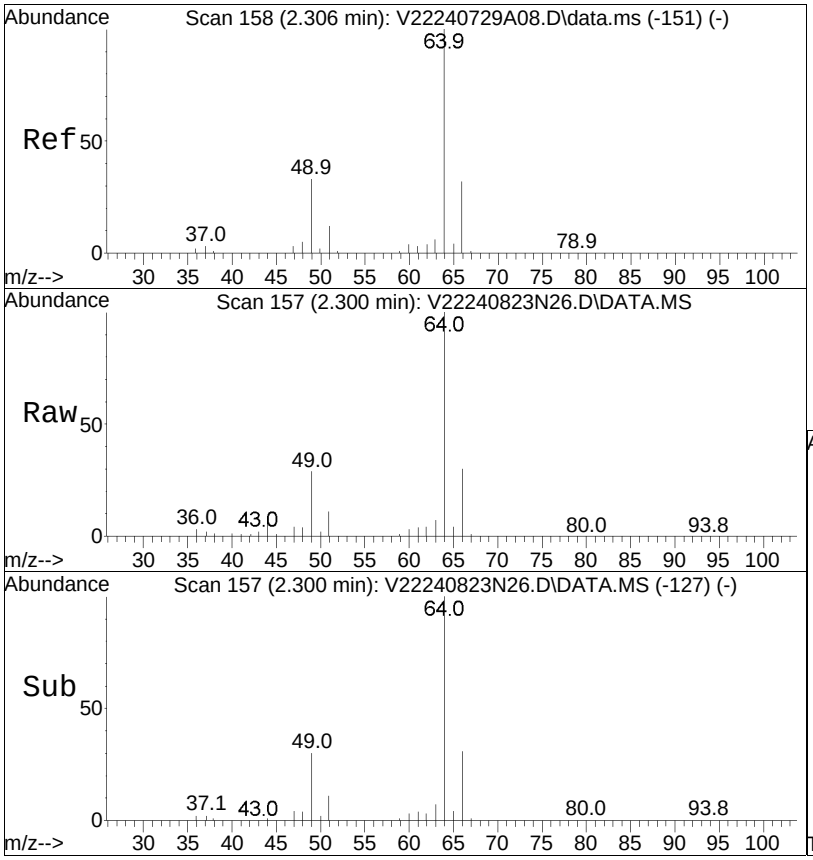


#5
Bromomethane
Concen: 3.45 ug/L
RT: 2.189 min Scan# 140
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 94 Resp: 15696

Ion	Ratio	Lower	Upper
94	100		
96	92.7	72.8	112.8

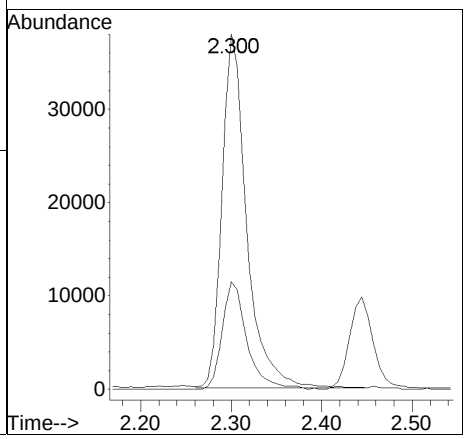


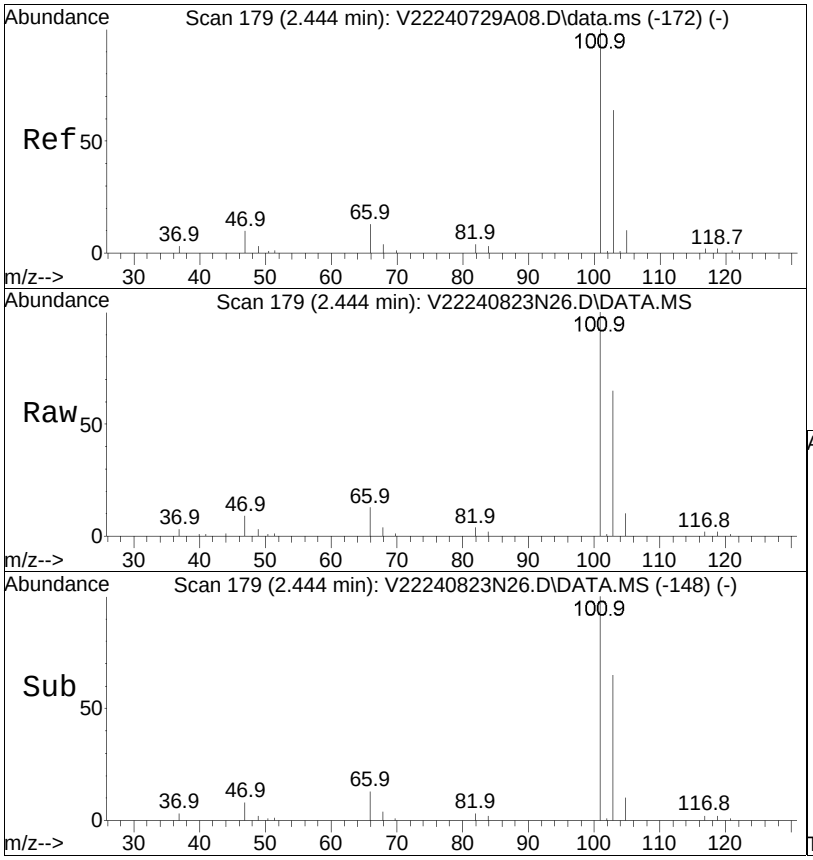


#6
Chloroethane
Concen: 10.93 ug/L
RT: 2.300 min Scan# 157
Delta R.T. -0.006 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 64 Resp: 71458

Ion	Ratio	Lower	Upper
64	100		
66	30.7	12.2	52.2

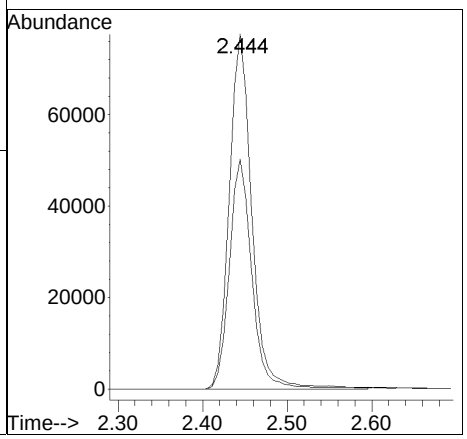


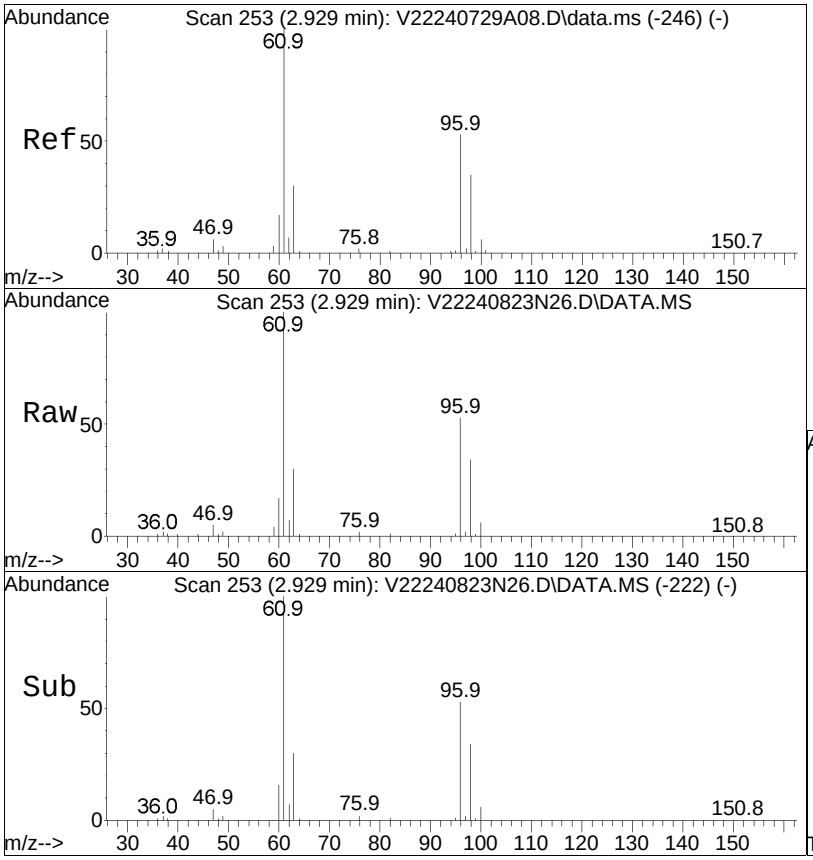


#7
Trichlorofluoromethane
Concen: 11.18 ug/L
RT: 2.444 min Scan# 179
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:101 Resp: 145113

Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.6	77.4

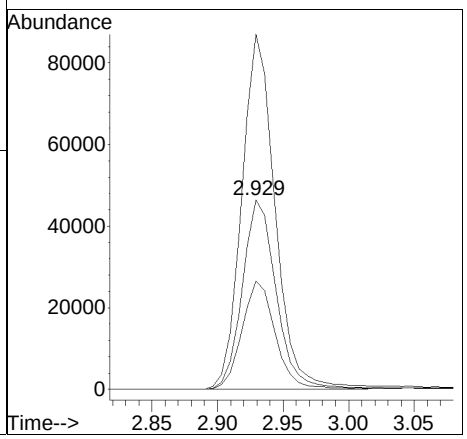


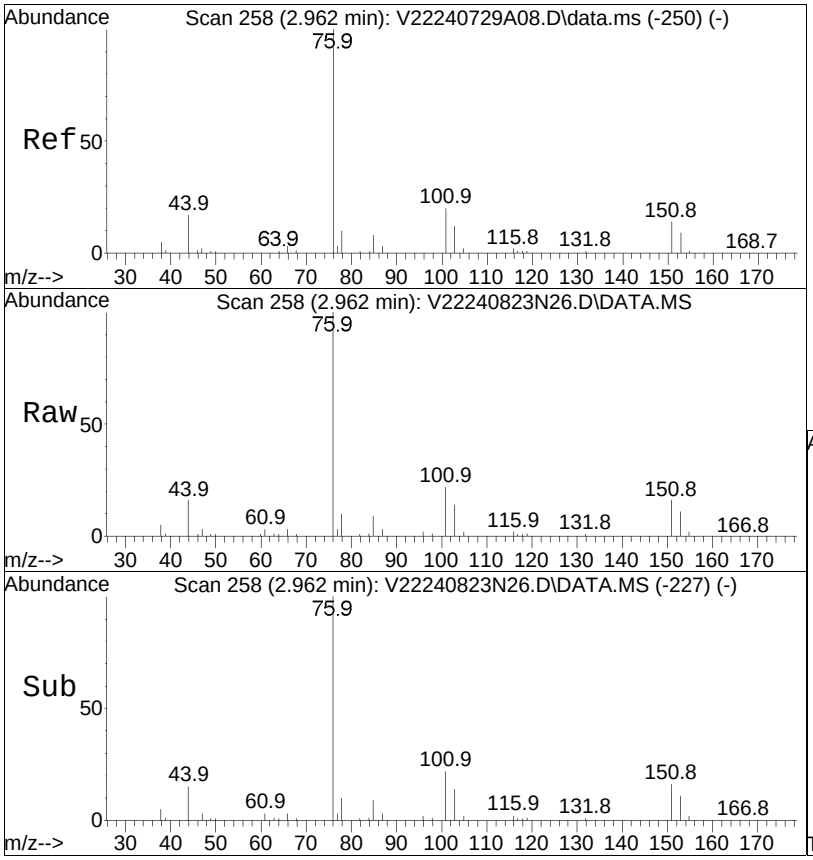


#10
1,1-Dichloroethene
Concen: 11.14 ug/L
RT: 2.929 min Scan# 253
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 96 Resp: 83718

Ion	Ratio	Lower	Upper
96	100		
61	188.4	117.0	175.4#
63	56.9	37.8	56.6#

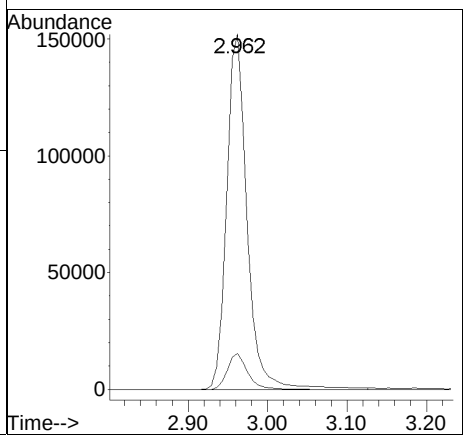


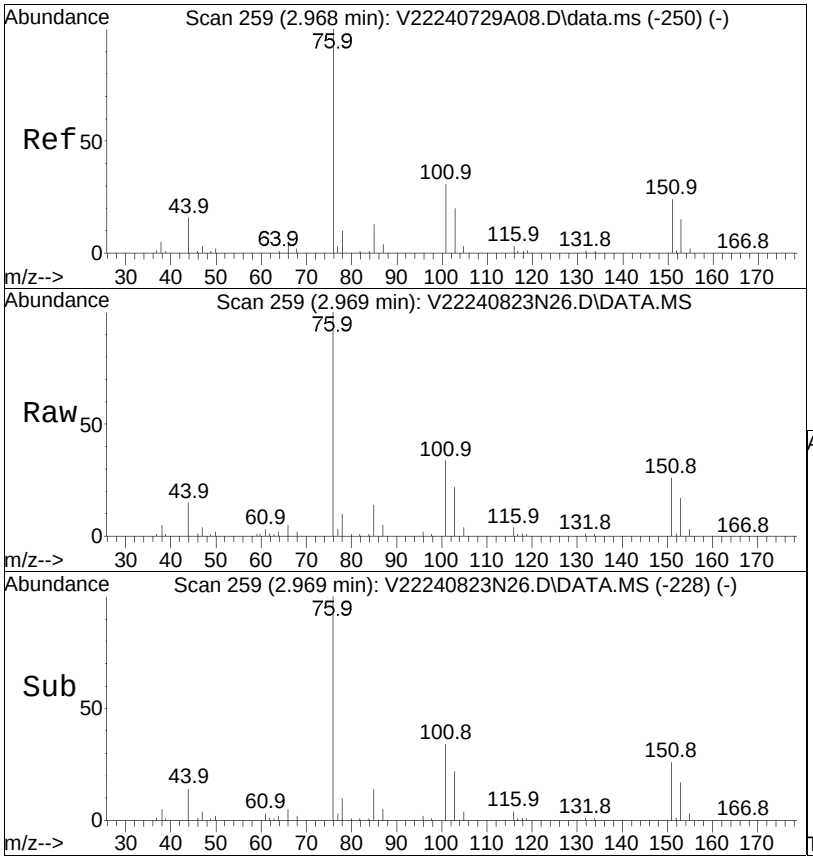


#11
Carbon disulfide
Concen: 11.01 ug/L
RT: 2.962 min Scan# 258
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 76 Resp: 271800

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

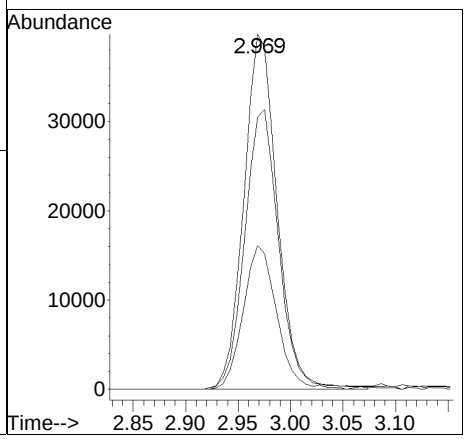


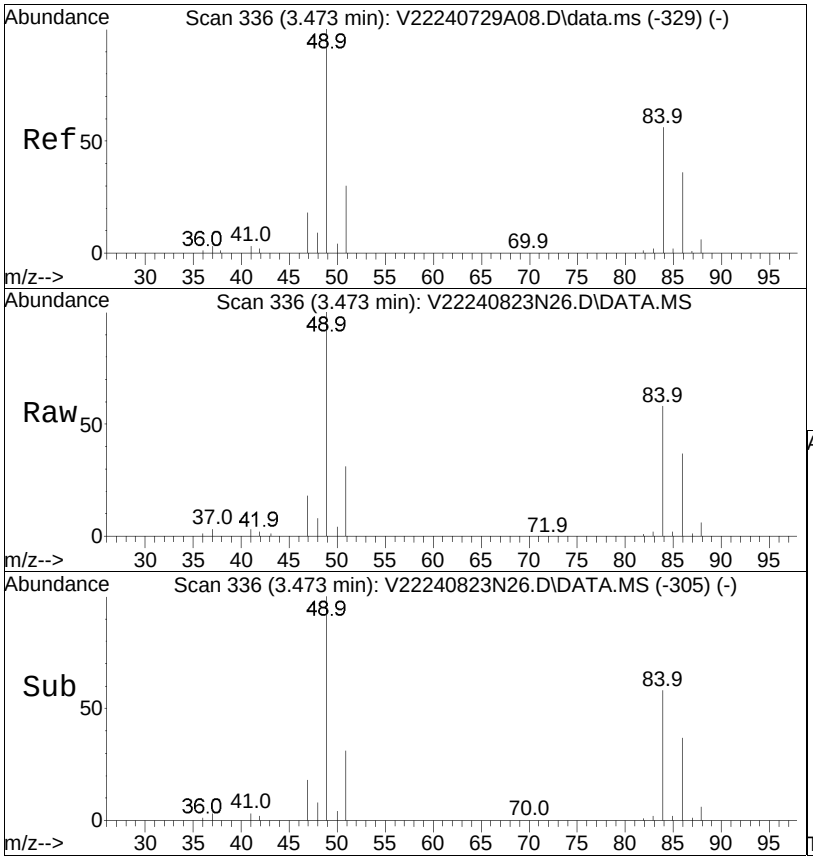


#12
Freon-113
Concen: 11.37 ug/L
RT: 2.969 min Scan# 259
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:101 Resp: 88354

Ion	Ratio	Lower	Upper
101	100		
151	79.9	68.5	102.7
85	40.6	33.1	49.7

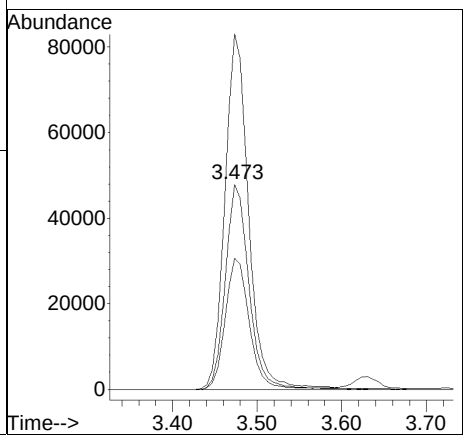


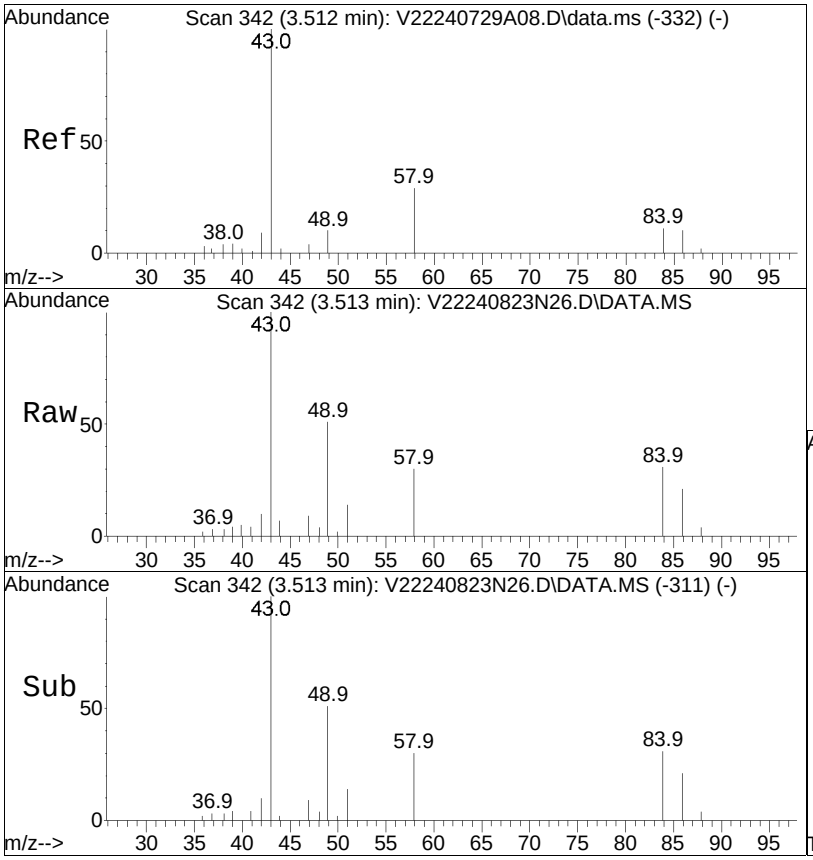


#15
Methylene chloride
Concen: 9.41 ug/L
RT: 3.473 min Scan# 336
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 84 Resp: 93705

Ion	Ratio	Lower	Upper
84	100		
86	65.1	41.5	86.3
49	172.2	68.8	143.0#

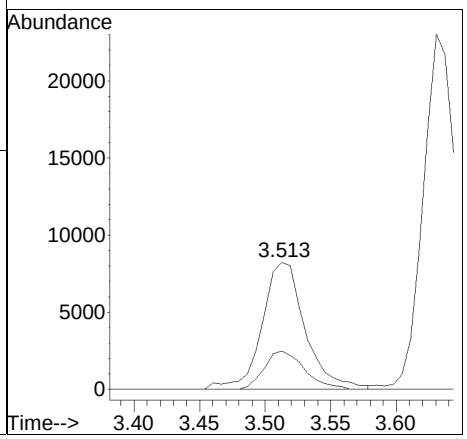


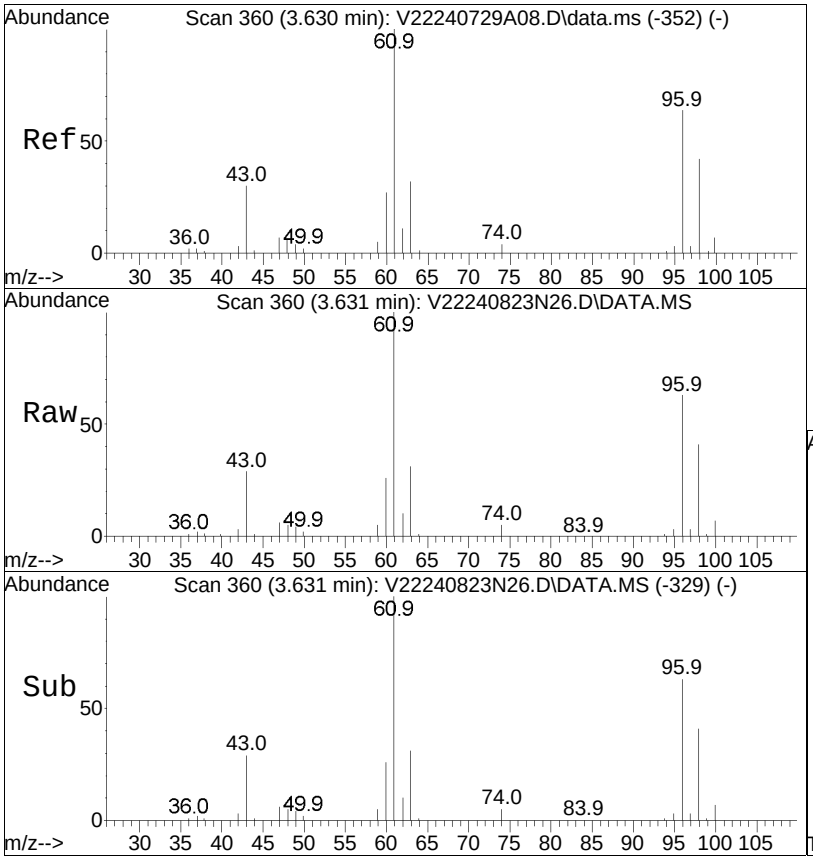


#17
Acetone
Concen: 10.42 ug/L
RT: 3.513 min Scan# 342
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 43 Resp: 18924

Ion	Ratio	Lower	Upper
43	100		
58	28.1	23.1	34.7

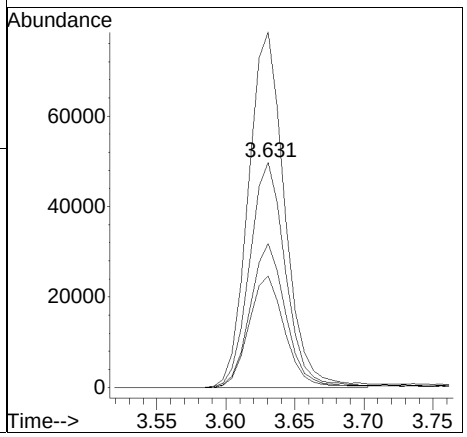


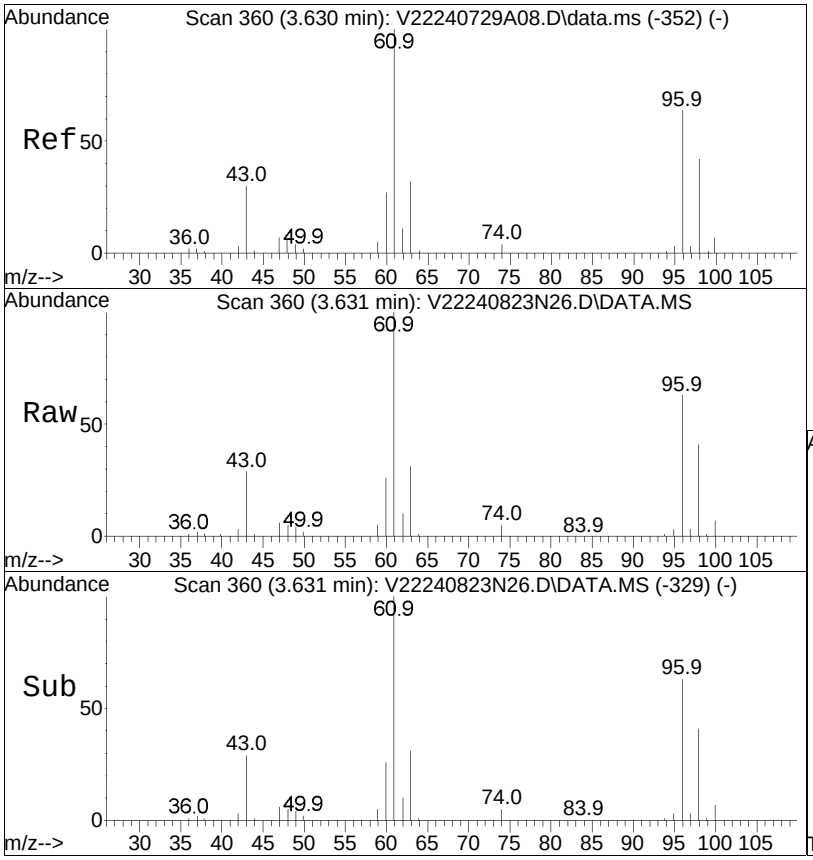


#18
trans-1,2-Dichloroethene
Concen: 10.29 ug/L
RT: 3.631 min Scan# 360
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 96 Resp: 90449

Ion	Ratio	Lower	Upper
96	100		
61	160.8	81.6	169.6
98	63.2	41.8	86.8
63	50.5	26.3	54.7

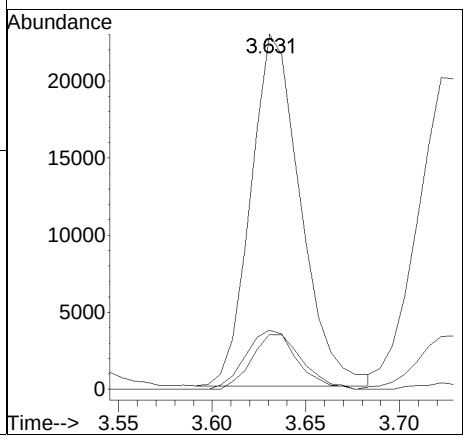


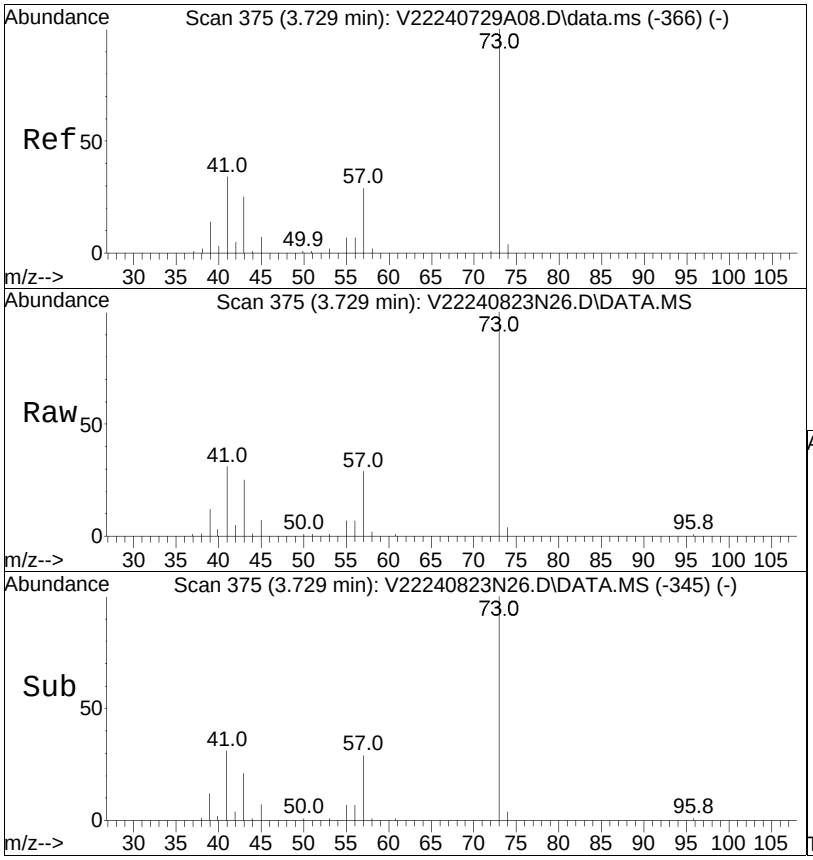


#19
Methyl acetate
Concen: 9.02 ug/L
RT: 3.631 min Scan# 360
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 43 Resp: 42155

Ion	Ratio	Lower	Upper
43	100		
74	16.0	21.8	32.6#
59	17.3	18.1	27.1#

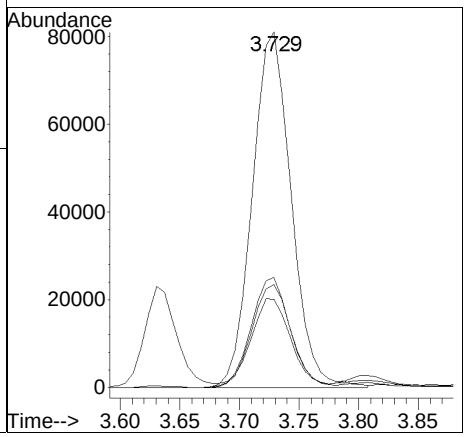


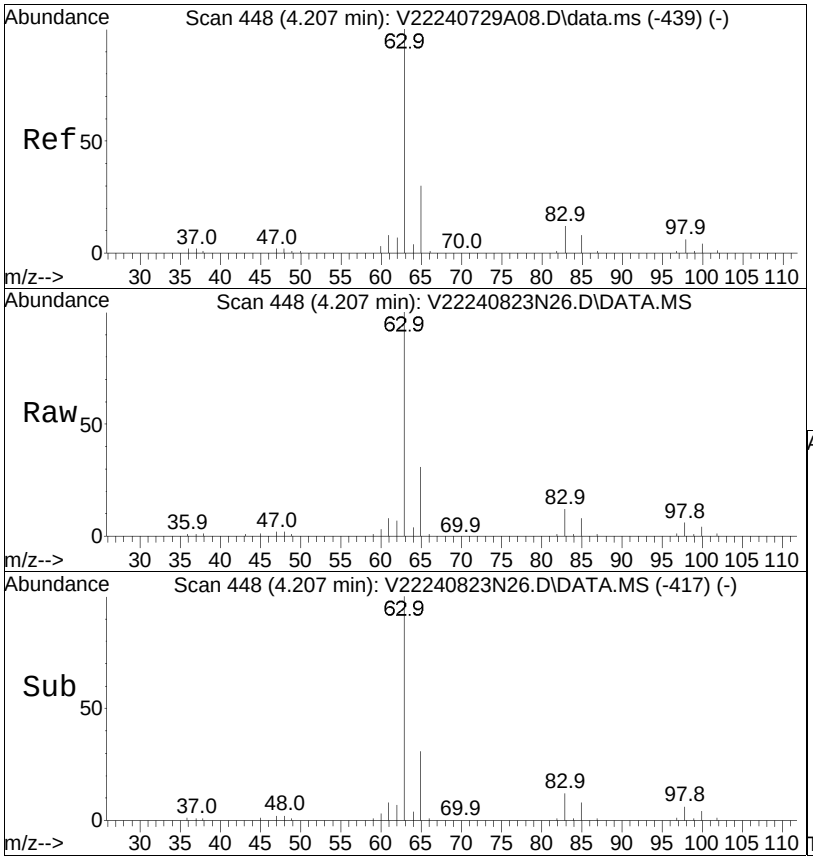


#21
Methyl tert-butyl ether
Concen: 10.94 ug/L
RT: 3.729 min Scan# 375
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 73 Resp: 183905

Ion	Ratio	Lower	Upper
73	100		
57	29.3	13.6	28.2#
43	24.9	12.7	26.5
41	31.1	11.4	23.8#

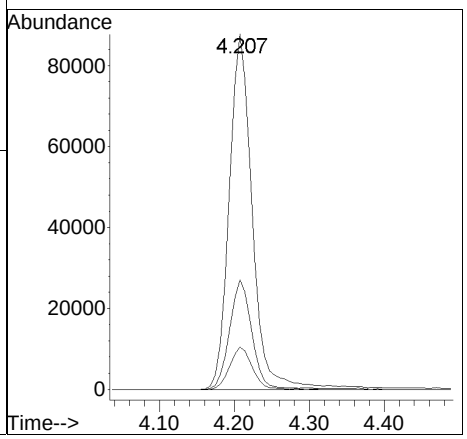


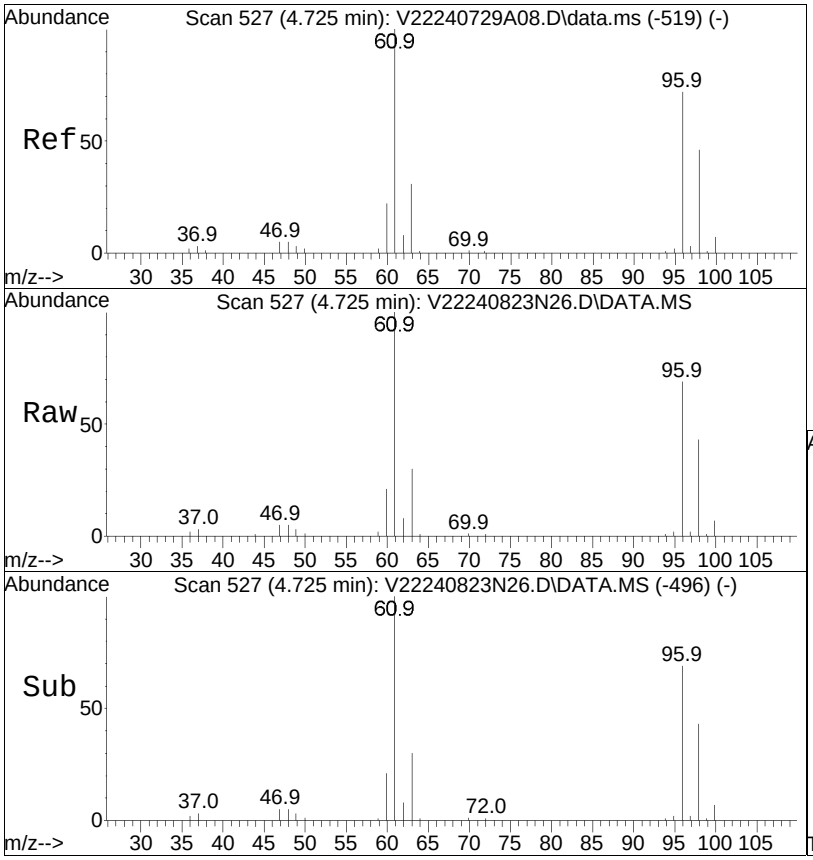


#25
1,1-Dichloroethane
Concen: 10.53 ug/L
RT: 4.207 min Scan# 448
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 63 Resp: 189023

Ion	Ratio	Lower	Upper
63	100		
65	29.3	11.9	51.9
83	11.5	0.0	34.2

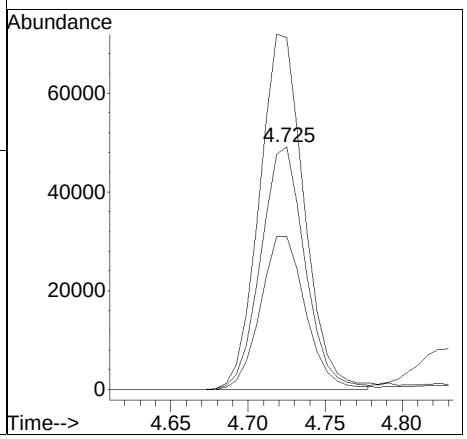


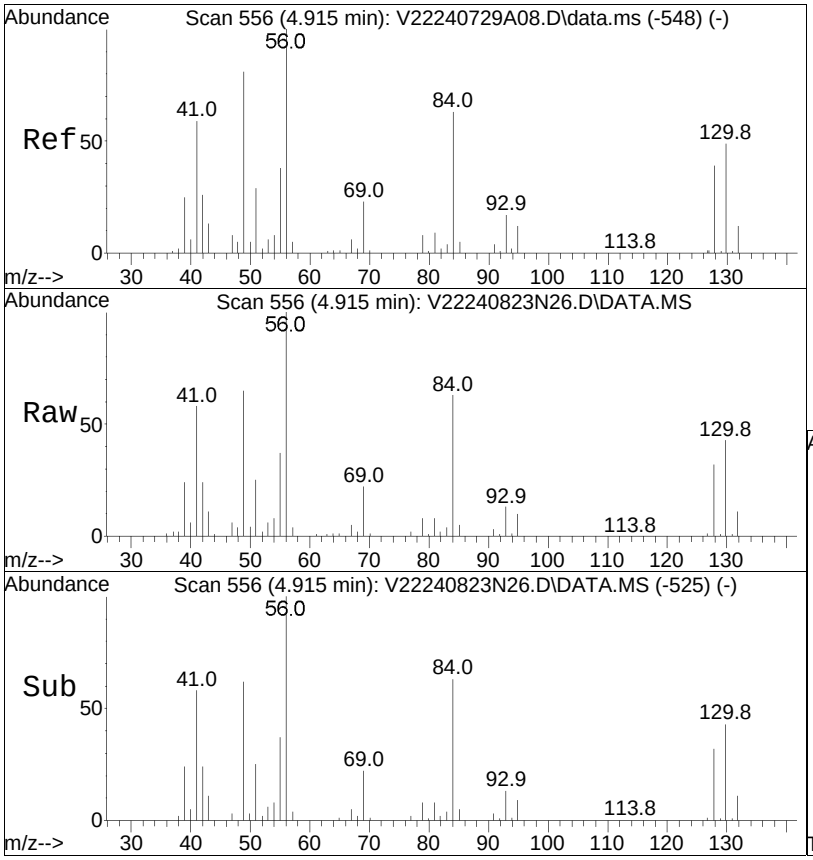


#30
cis-1,2-Dichloroethene
Concen: 10.05 ug/L
RT: 4.725 min Scan# 527
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 96 Resp: 97923

Ion	Ratio	Lower	Upper
96	100		
61	148.4	90.3	135.5#
98	64.5	50.8	76.2

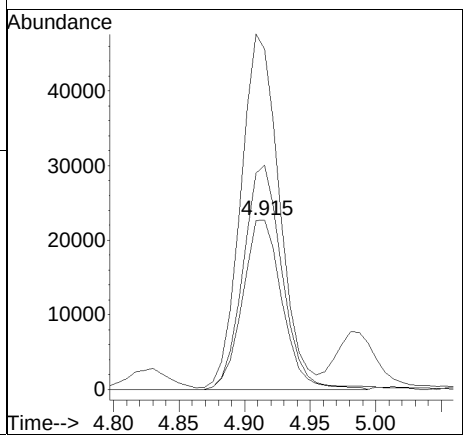


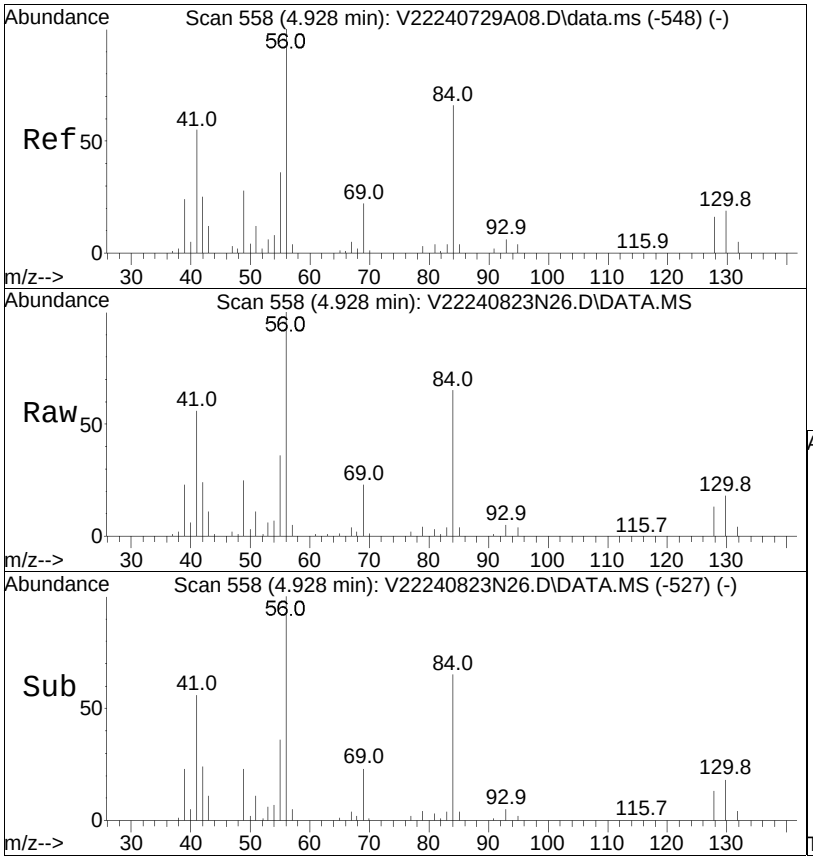


#32
Bromochloromethane
Concen: 10.36 ug/L
RT: 4.915 min Scan# 556
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:128 Resp: 47606

Ion	Ratio	Lower	Upper
128	100		
49	203.7	104.4	156.6#
130	131.9	103.9	155.9

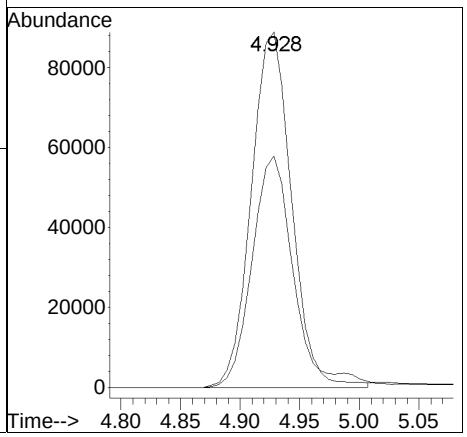


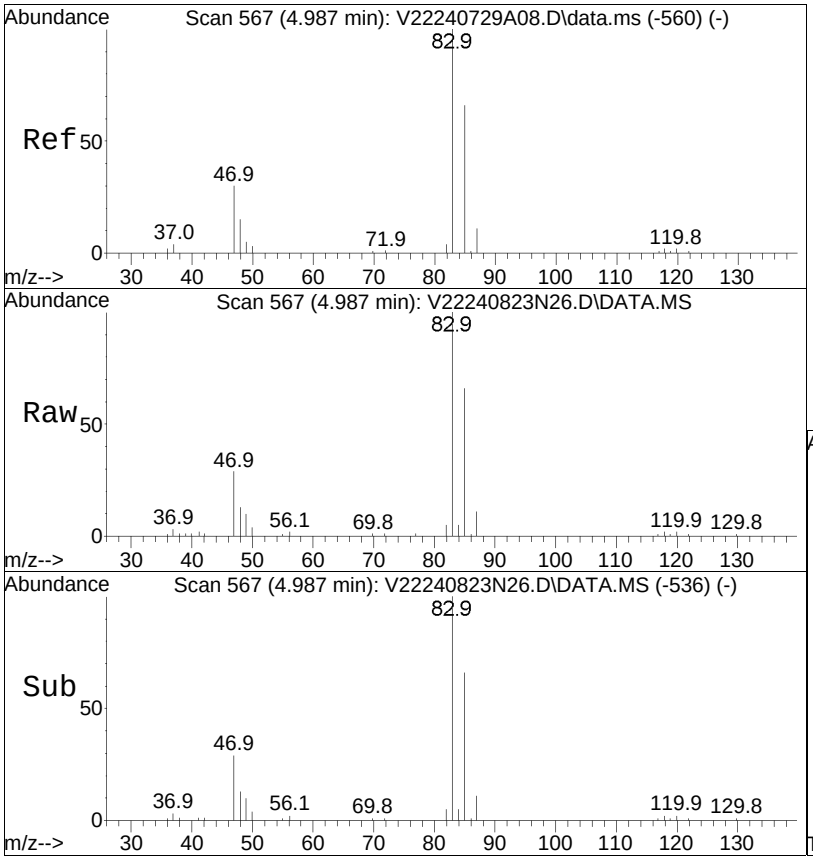


#33
Cyclohexane
Concen: 11.47 ug/L
RT: 4.928 min Scan# 558
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 56 Resp: 208202

Ion	Ratio	Lower	Upper
56	100		
84	69.0	66.0	137.2

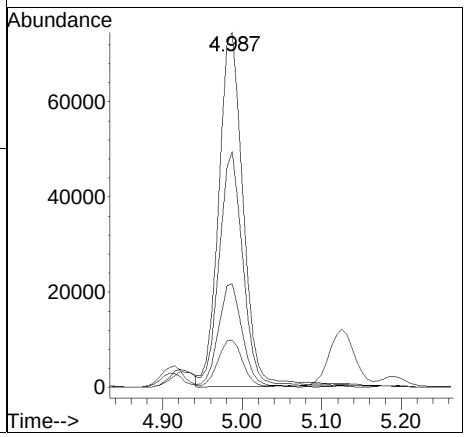


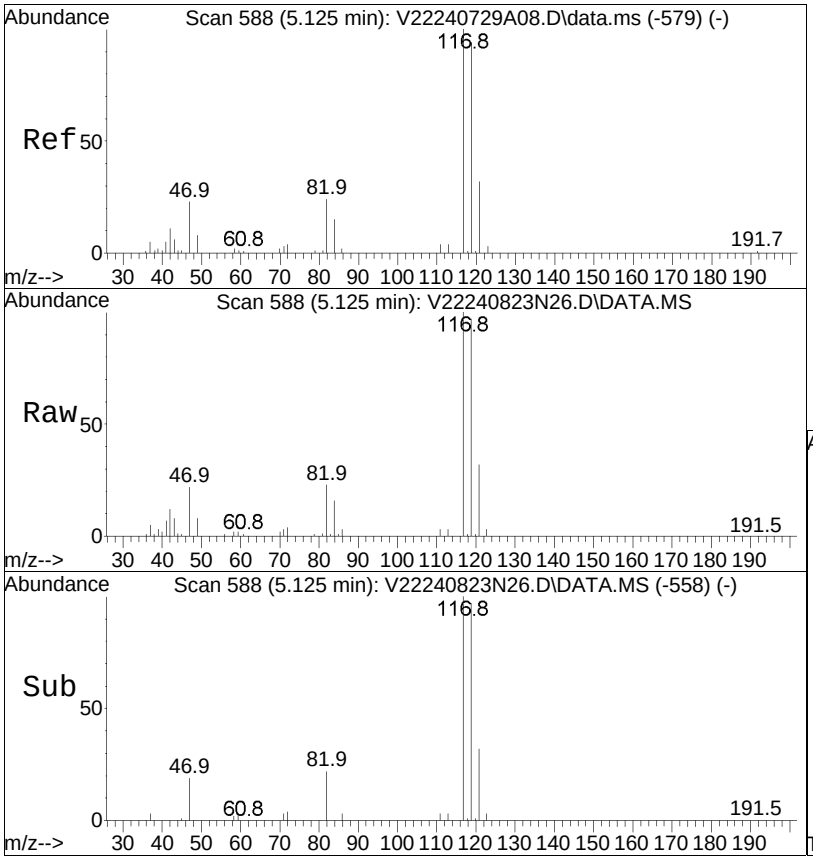


#34
Chloroform
Concen: 10.29 ug/L
RT: 4.987 min Scan# 567
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 83 Resp: 159803

Ion	Ratio	Lower	Upper
83	100		
85	62.9	42.4	88.2
47	27.6	14.0	29.0
48	12.9	6.9	14.3

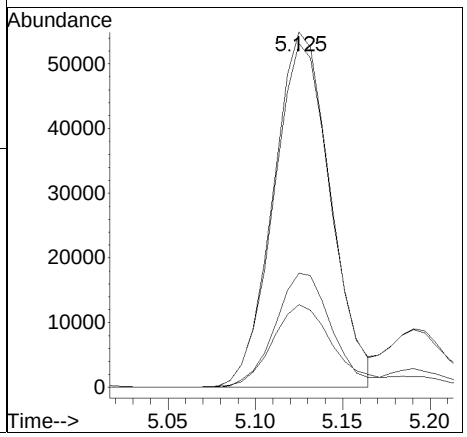


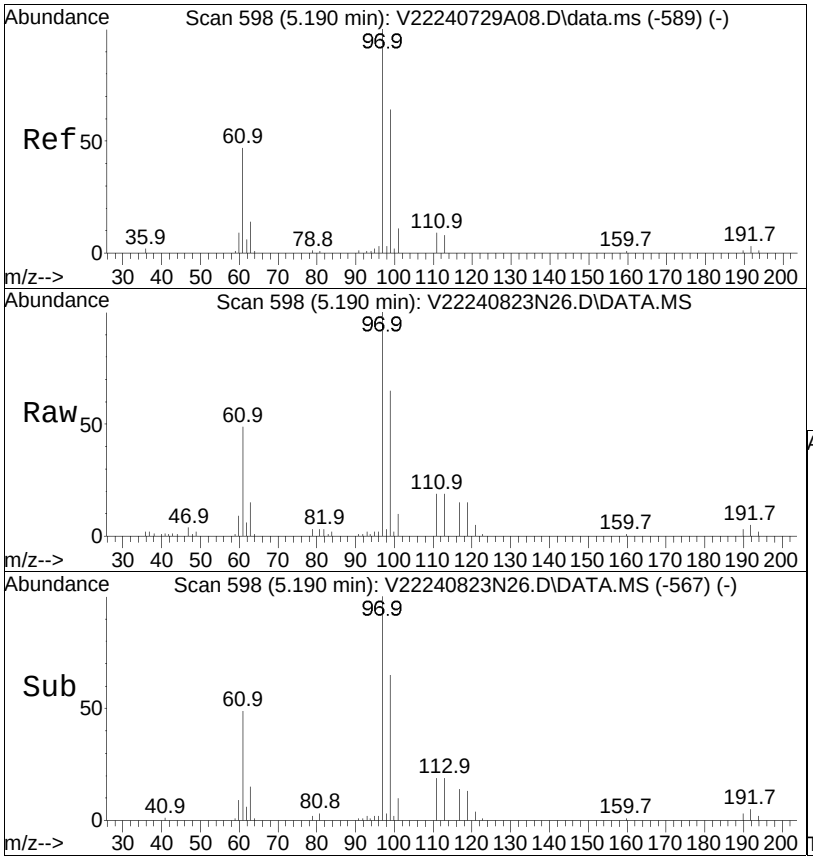


#36
Carbon tetrachloride
Concen: 11.13 ug/L
RT: 5.125 min Scan# 588
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:117 Resp: 124760

Ion	Ratio	Lower	Upper
117	100		
119	96.8	62.1	129.1
121	32.0	20.3	42.3
82	25.5	15.4	32.0

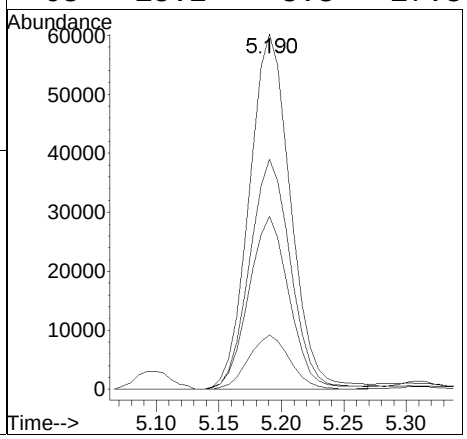


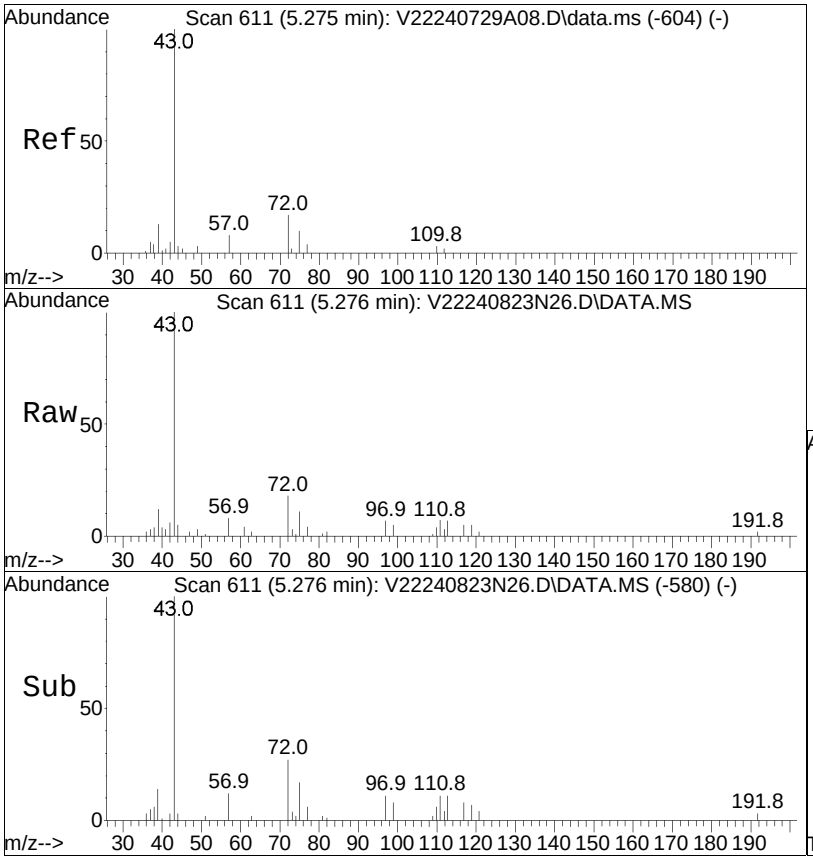


#39
1,1,1-Trichloroethane
Concen: 10.63 ug/L
RT: 5.190 min Scan# 598
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 97 Resp: 139185

Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.4	88.0
61	48.2	26.0	54.0
63	15.2	8.3	17.3

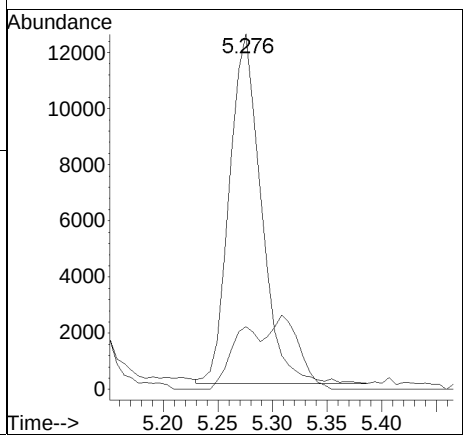


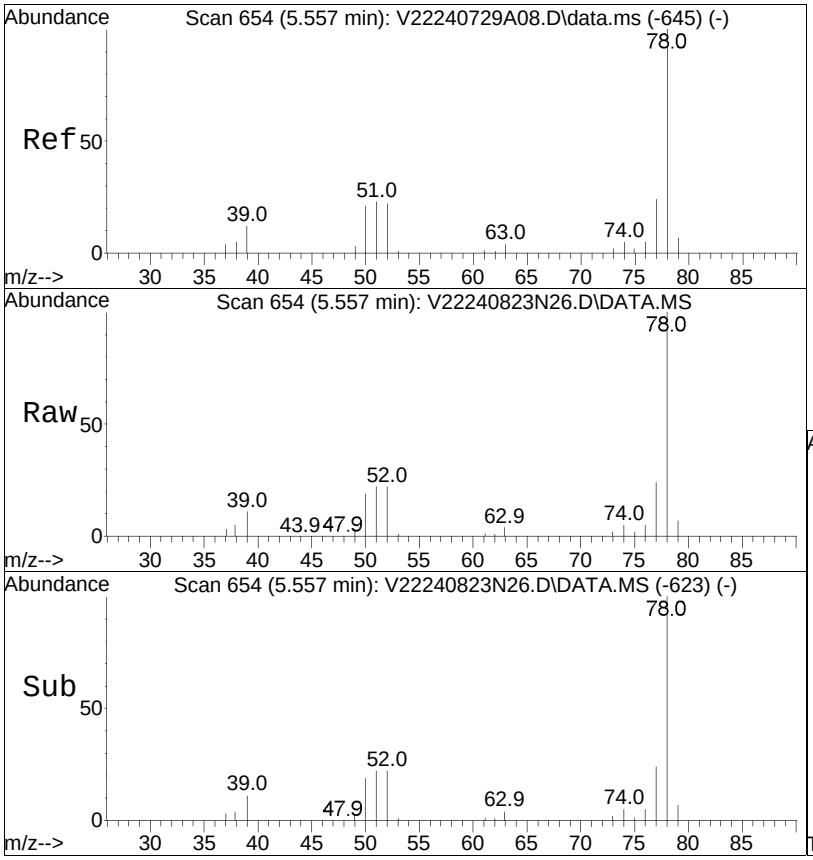


#41
2-Butanone
Concen: 9.89 ug/L
RT: 5.276 min Scan# 611
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 43 Resp: 25240

Ion	Ratio	Lower	Upper
43	100		
72	16.4	45.8	68.8#

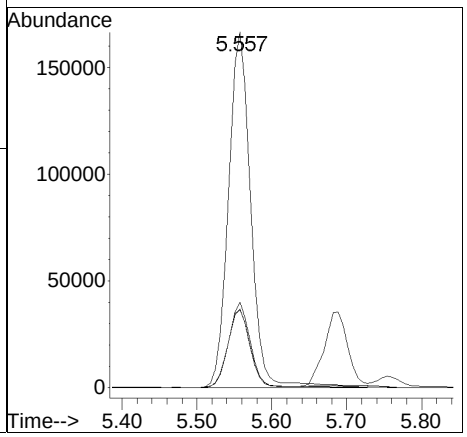


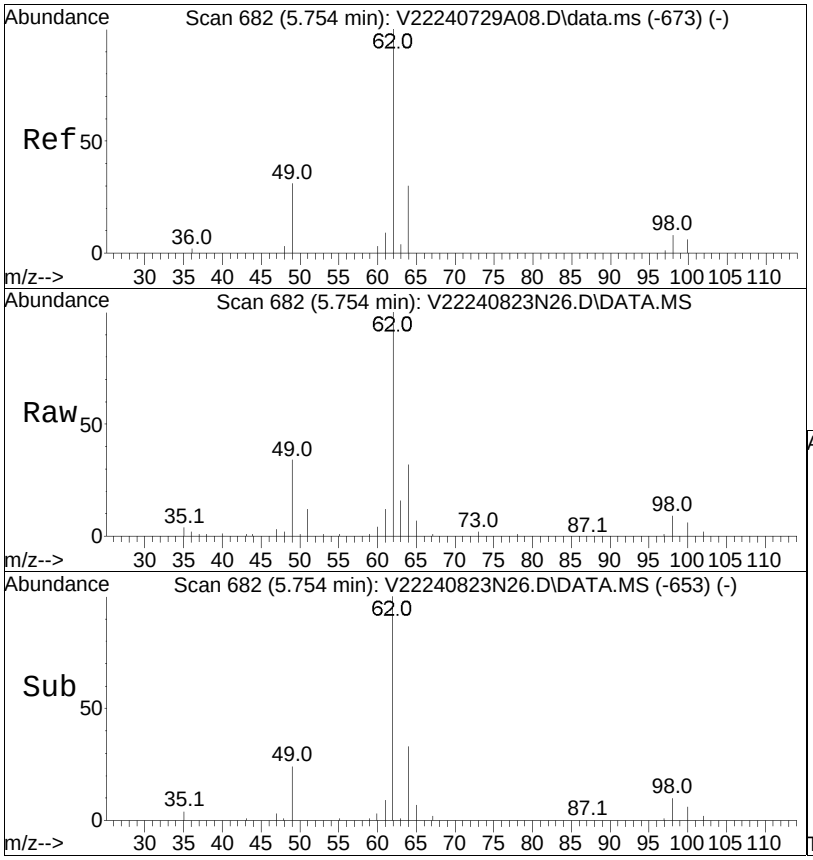


#44
Benzene
Concen: 10.61 ug/L
RT: 5.557 min Scan# 654
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 78 Resp: 364907

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.4	32.0
51	20.4	9.8	20.4#
52	20.6	9.2	19.2#

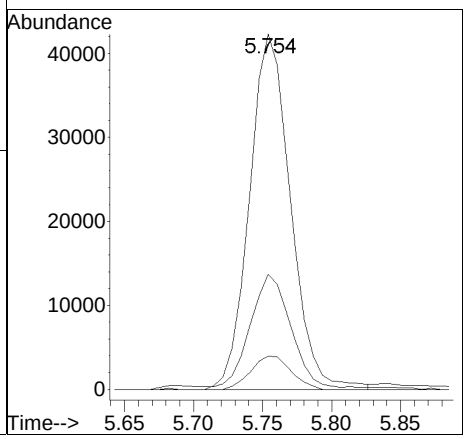


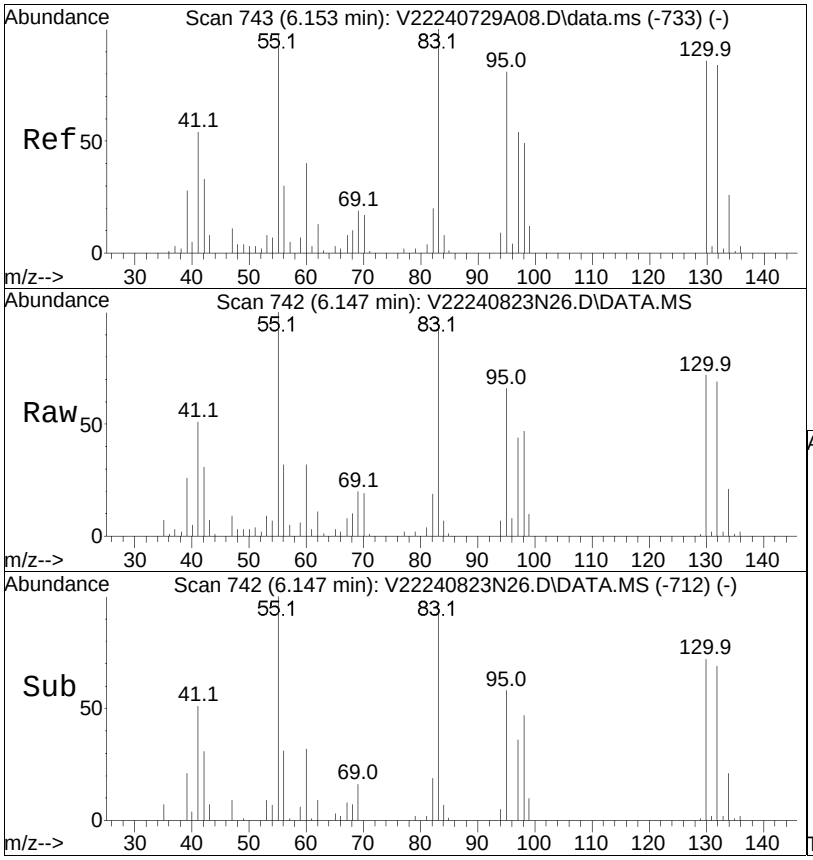


#47
1,2-Dichloroethane
Concen: 10.19 ug/L
RT: 5.754 min Scan# 682
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 62 Resp: 87556

Ion	Ratio	Lower	Upper
62	100		
64	33.4	12.3	52.3
98	9.2	0.0	30.3

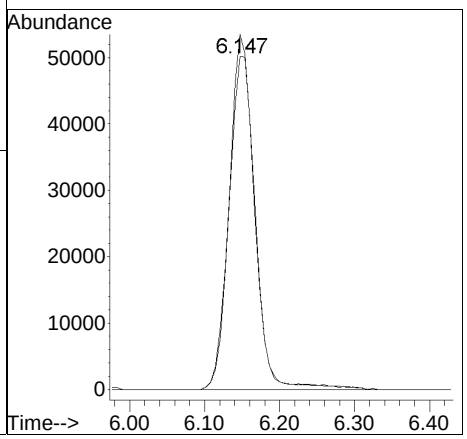


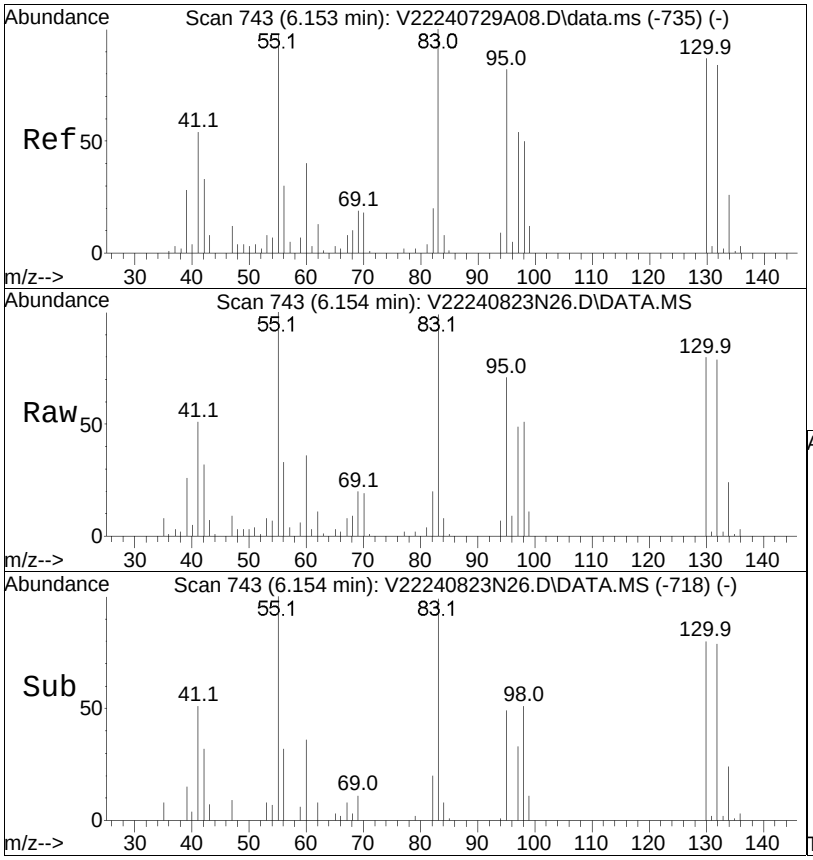


#50
Methyl cyclohexane
Concen: 10.85 ug/L
RT: 6.147 min Scan# 742
Delta R.T. -0.006 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 83 Resp: 122478

Ion	Ratio	Lower	Upper
83	100		
55	100.5	55.4	83.2#

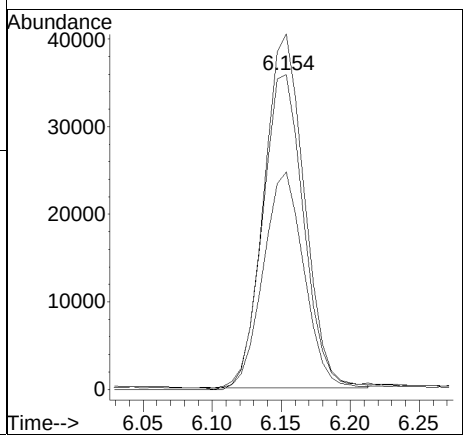


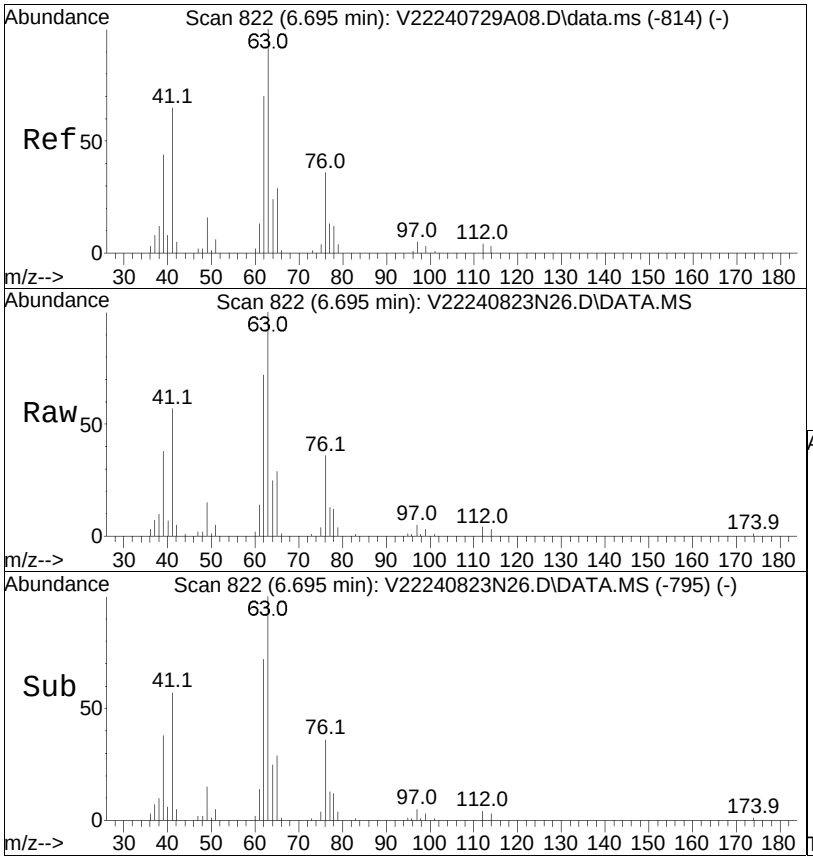


#51
Trichloroethene
Concen: 10.08 ug/L
RT: 6.154 min Scan# 743
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 95 Resp: 73766

Ion	Ratio	Lower	Upper
95	100		
97	69.9	55.0	82.4
130	115.8	89.2	133.8

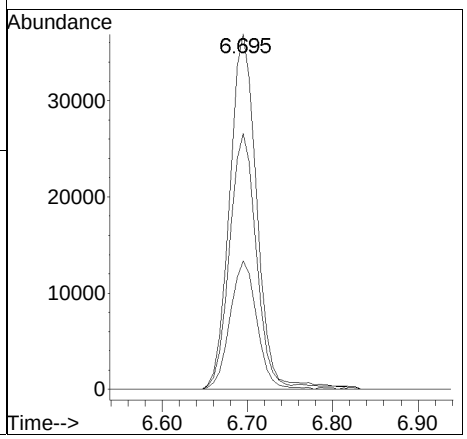


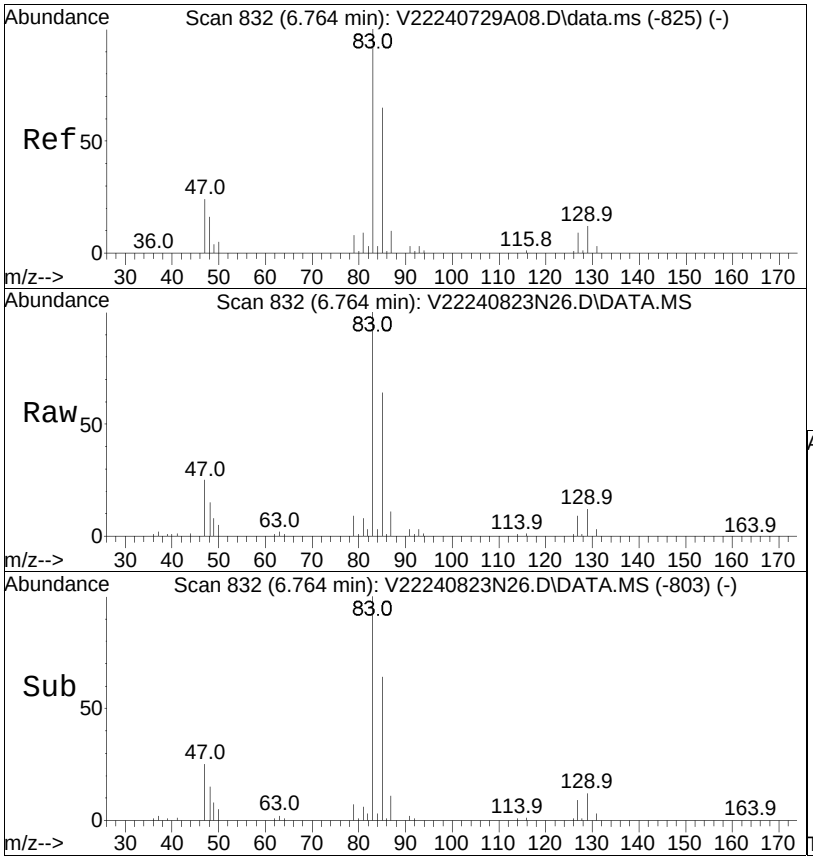


#54
1,2-Dichloropropane
Concen: 10.71 ug/L
RT: 6.695 min Scan# 822
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 63 Resp: 82277

Ion	Ratio	Lower	Upper
63	100		
62	70.1	56.9	85.3
76	35.7	35.8	53.8#

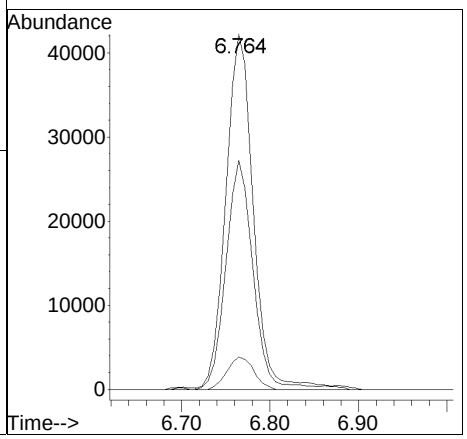


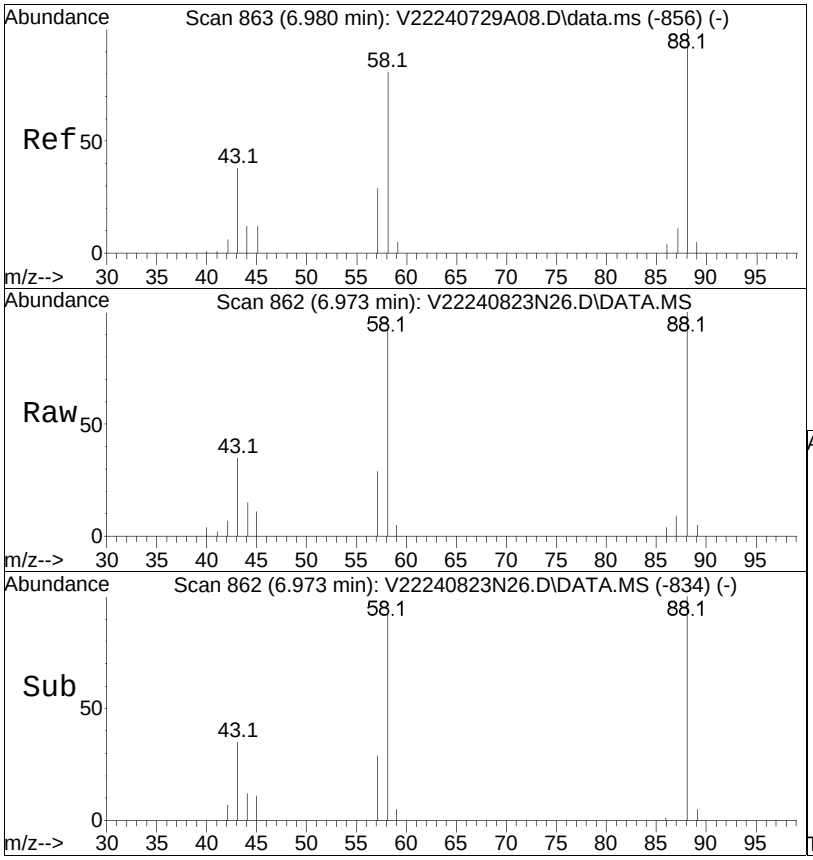


#57
Bromodichloromethane
Concen: 10.13 ug/L
RT: 6.764 min Scan# 832
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 83 Resp: 91779

Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4
127	8.8	7.4	11.0

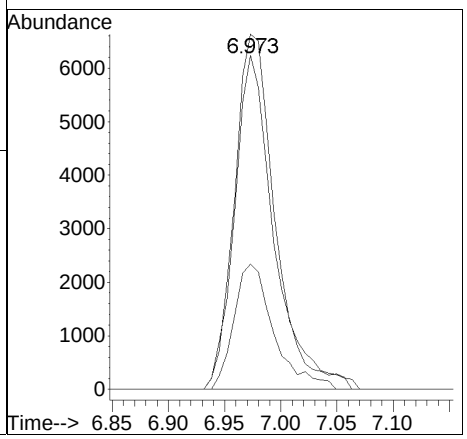


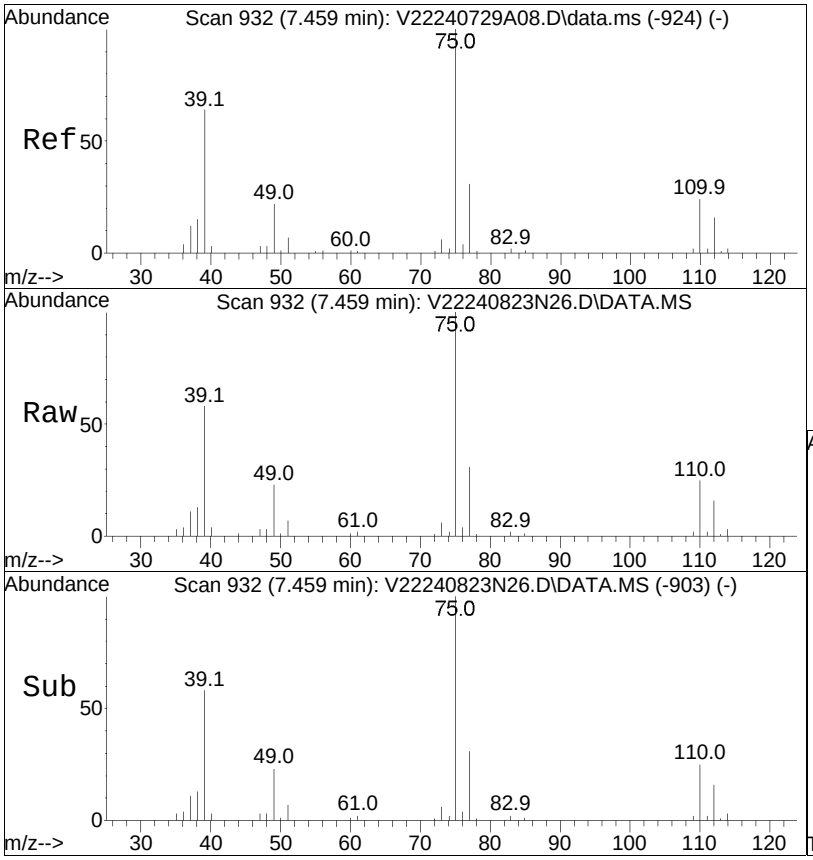


#60
1,4-Dioxane
Concen: 560.30 ug/L
RT: 6.973 min Scan# 862
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 88 Resp: 16976

Ion	Ratio	Lower	Upper
88	100		
58	89.1	43.3	64.9#
43	34.1	15.1	22.7#

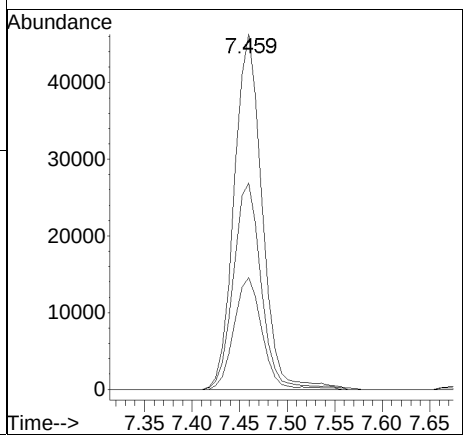


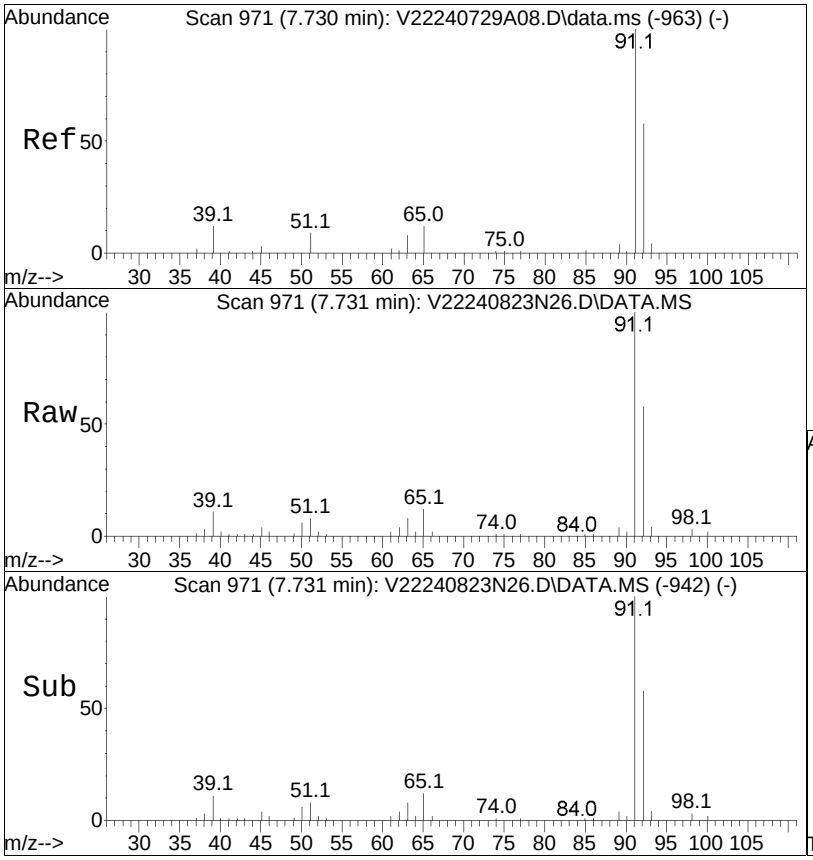


#61
cis-1,3-Dichloropropene
Concen: 10.15 ug/L
RT: 7.459 min Scan# 932
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 75 Resp: 94751

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	58.0	35.4	53.0#

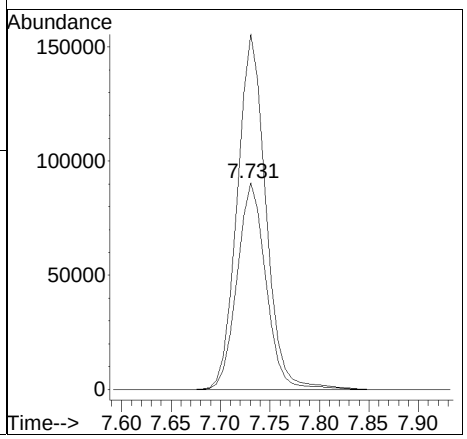


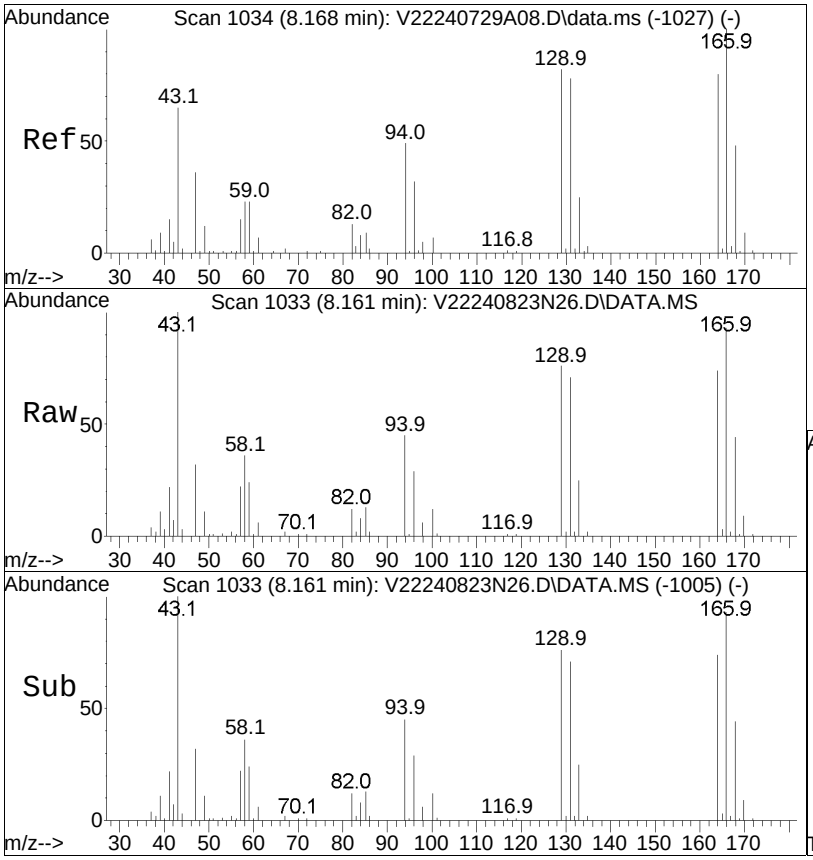


#64
Toluene
Concen: 10.17 ug/L
RT: 7.731 min Scan# 971
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 92 Resp: 183327

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.0	205.6

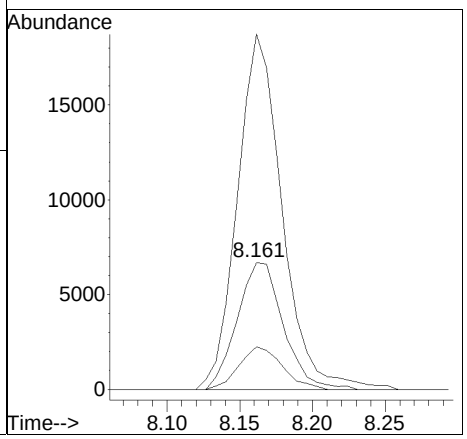


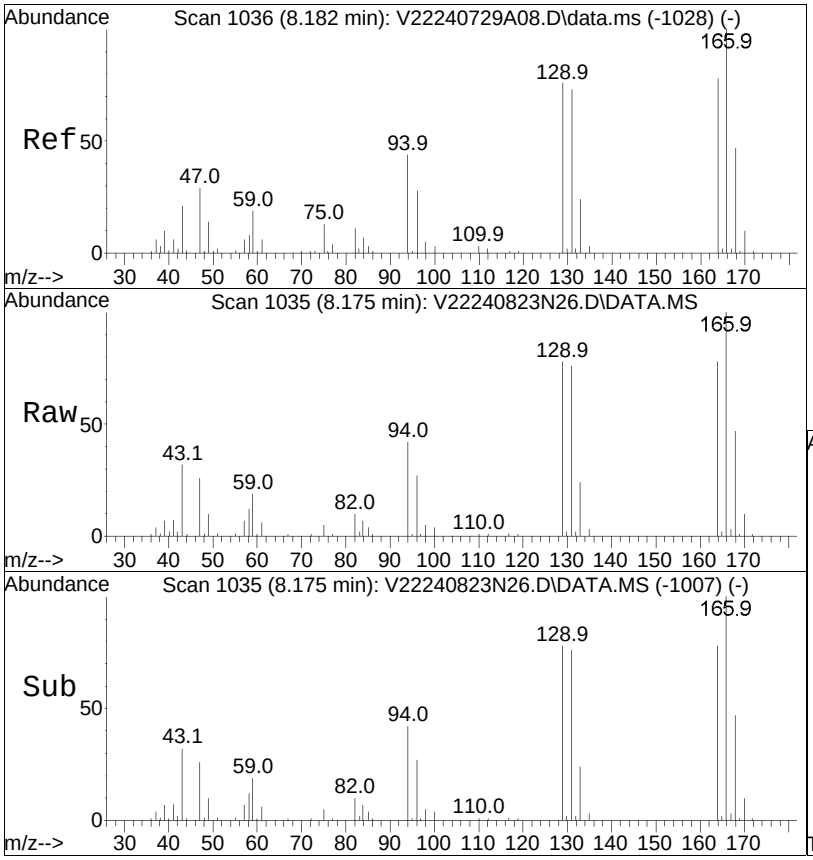


#65
4-Methyl-2-pentanone
Concen: 10.21 ug/L
RT: 8.161 min Scan# 1033
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 58 Resp: 14741

Ion	Ratio	Lower	Upper
58	100		
100	31.7	36.2	54.4#
43	271.8	181.8	272.8

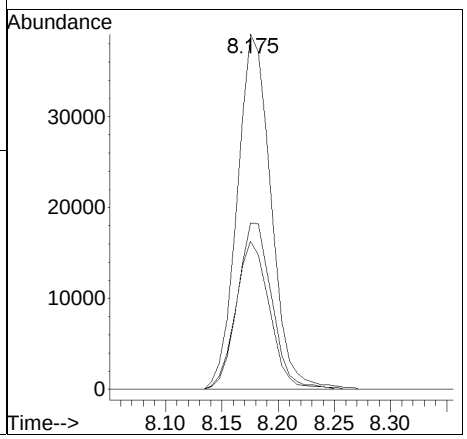


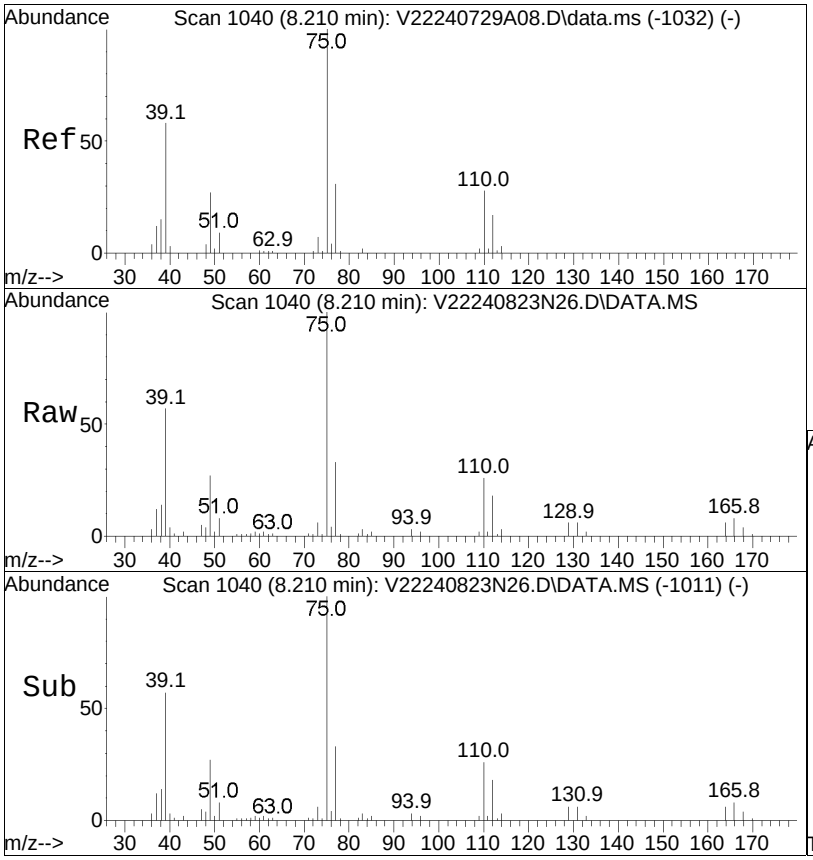


#66
Tetrachloroethene
Concen: 11.60 ug/L
RT: 8.175 min Scan# 1035
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:166 Resp: 82025

Ion	Ratio	Lower	Upper
166	100		
168	47.7	27.8	67.8
94	41.7	16.7	56.7

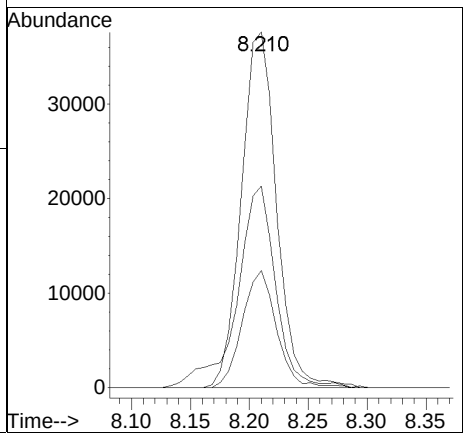


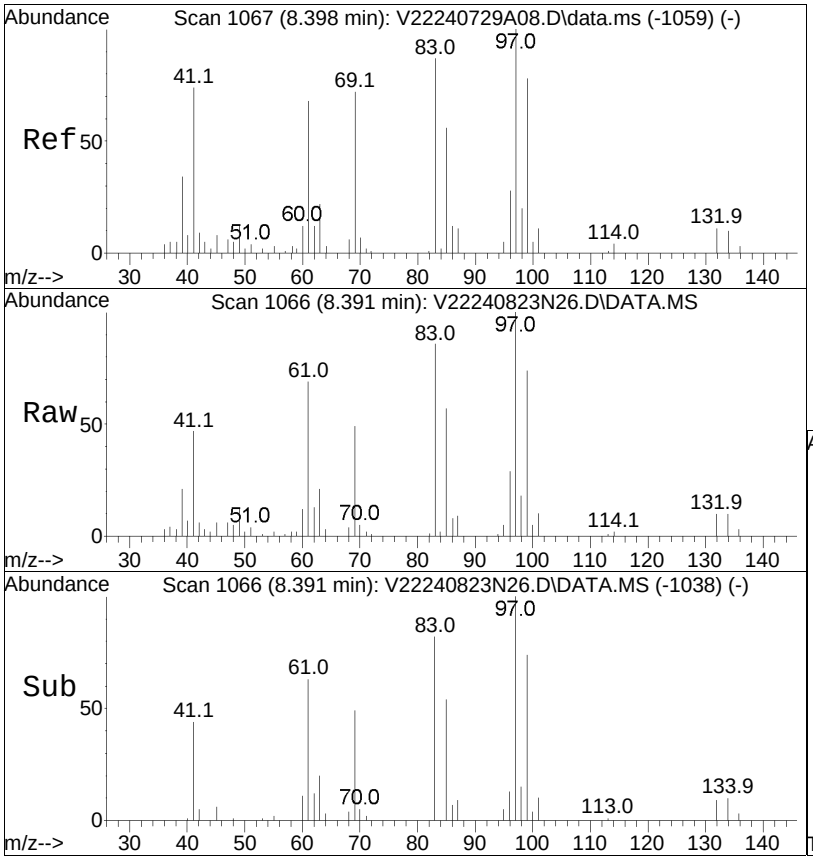


#68
trans-1,3-Dichloropropene
Concen: 8.74 ug/L
RT: 8.210 min Scan# 1040
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 75 Resp: 78140

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.9	51.9
39	61.9	27.4	67.4

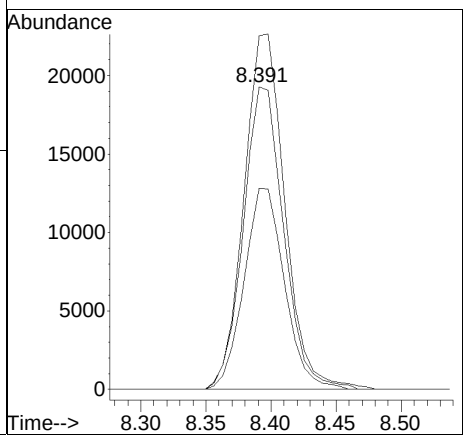


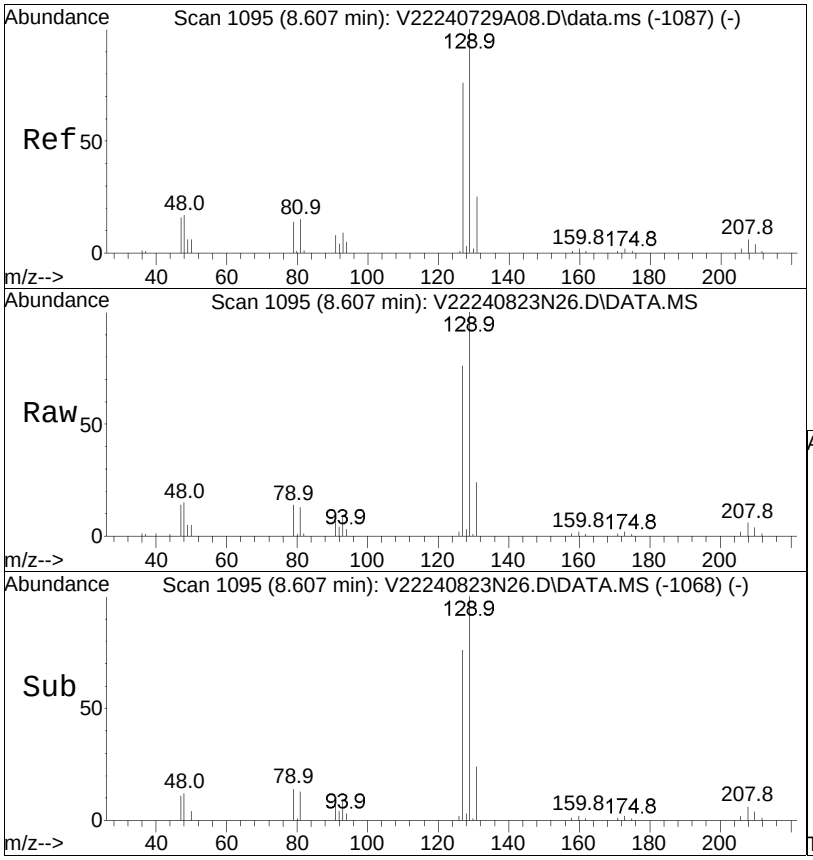


#71
1,1,2-Trichloroethane
Concen: 9.84 ug/L
RT: 8.391 min Scan# 1066
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 83 Resp: 41667

Ion	Ratio	Lower	Upper
83	100		
97	118.8	103.4	143.4
85	66.6	47.9	87.9

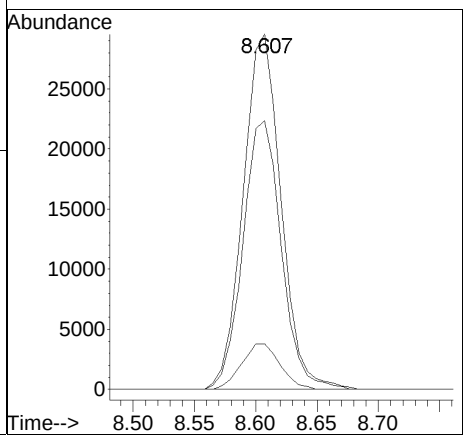


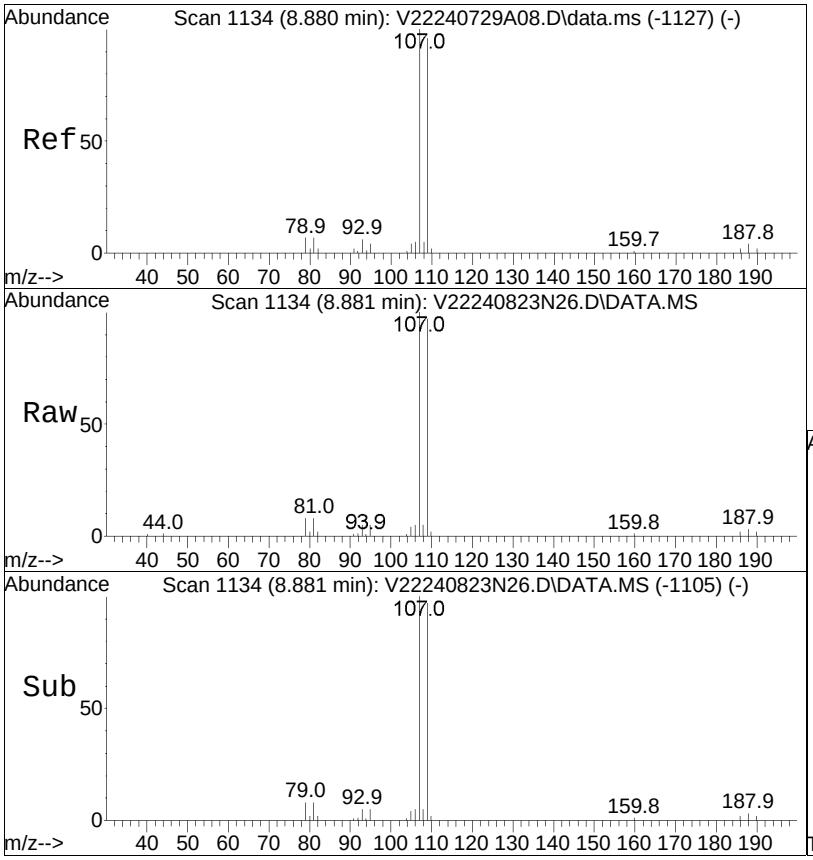


#72
Chlorodibromomethane
Concen: 9.31 ug/L
RT: 8.607 min Scan# 1095
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:129 Resp: 63639

Ion	Ratio	Lower	Upper
129	100		
81	13.1	0.0	33.8
127	76.5	57.1	97.1

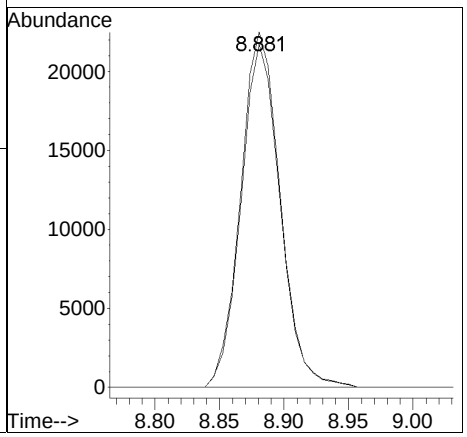


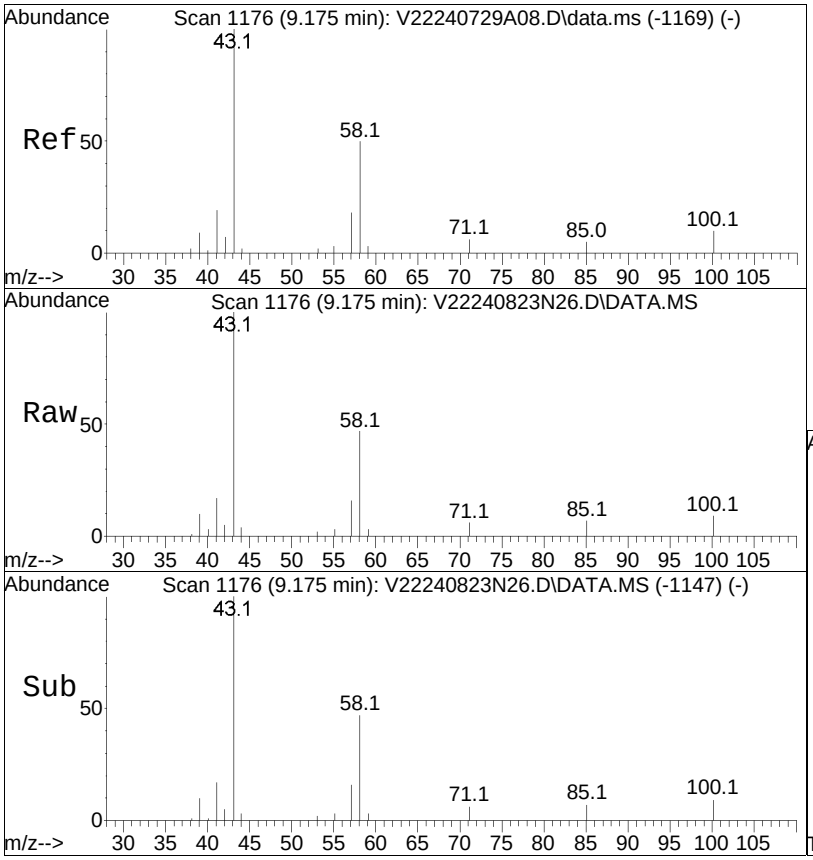


#74
1,2-Dibromoethane
Concen: 10.13 ug/L
RT: 8.881 min Scan# 1134
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:107 Resp: 48058

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.1	112.7

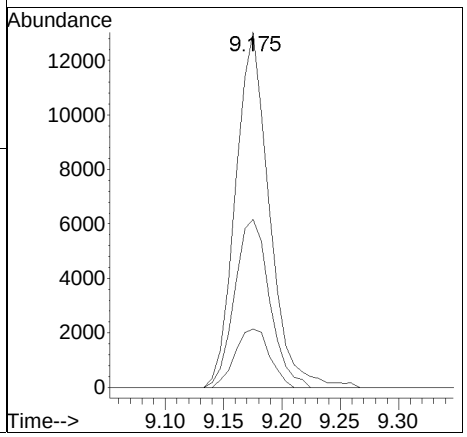


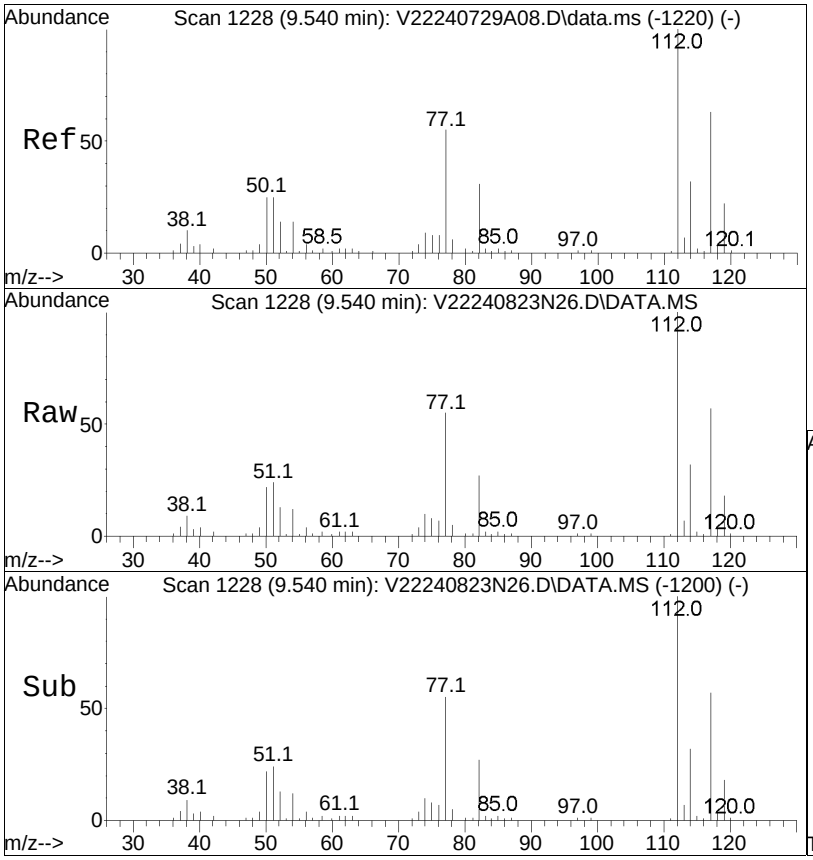


#76
2-Hexanone
Concen: 9.80 ug/L
RT: 9.175 min Scan# 1176
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 43 Resp: 26271

Ion	Ratio	Lower	Upper
43	100		
58	49.0	47.6	71.4
57	16.8	16.6	24.8

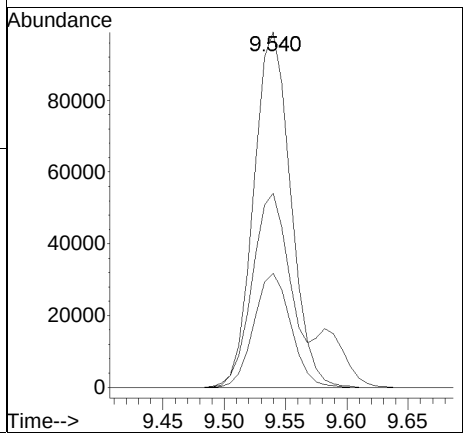


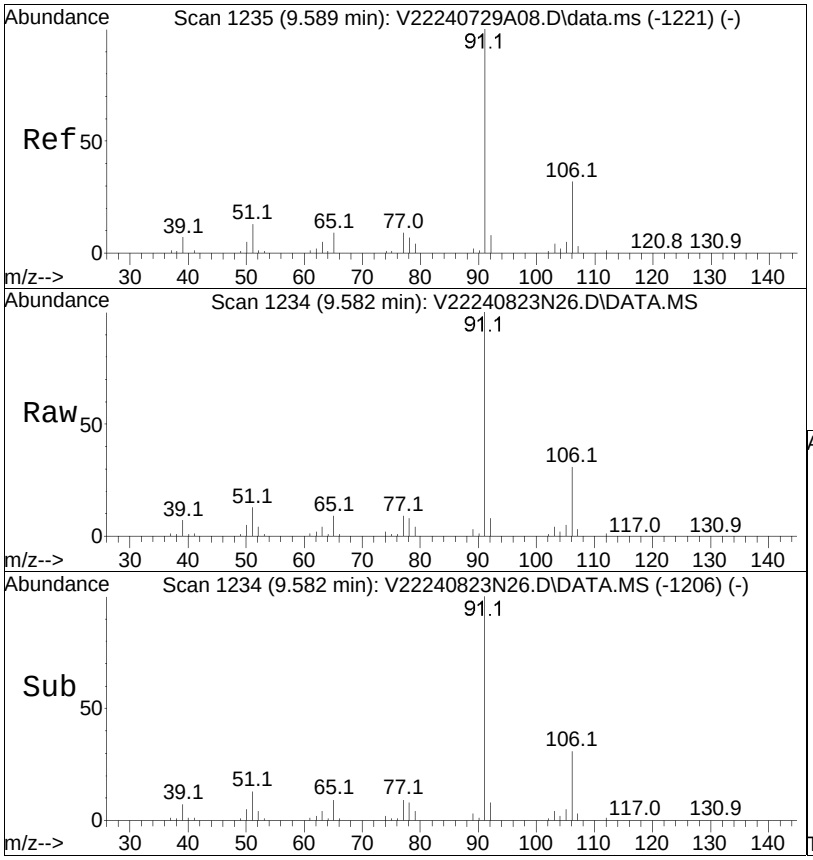


#77
Chlorobenzene
Concen: 10.15 ug/L
RT: 9.540 min Scan# 1228
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:112 Resp: 207260

Ion	Ratio	Lower	Upper
112	100		
77	56.8	55.4	83.0
114	32.2	26.2	39.4

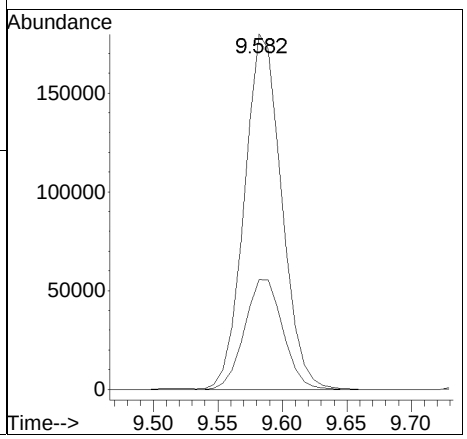


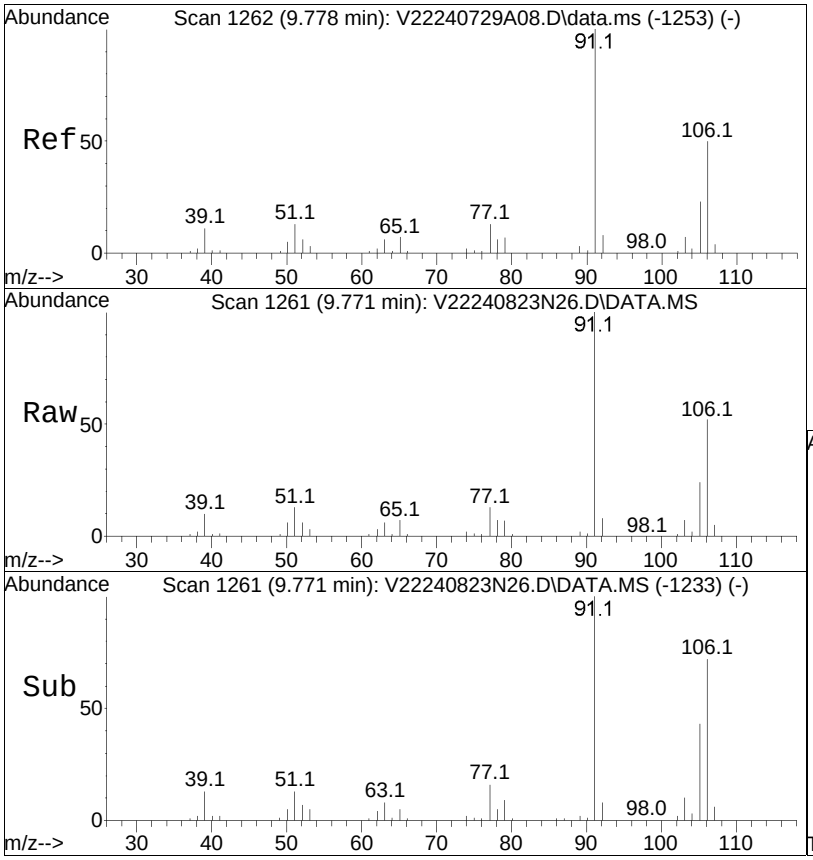


#78
Ethylbenzene
Concen: 10.59 ug/L
RT: 9.582 min Scan# 1234
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 91 Resp: 360627

Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.8	38.6

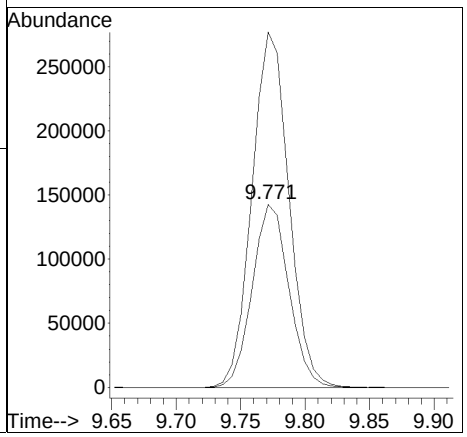


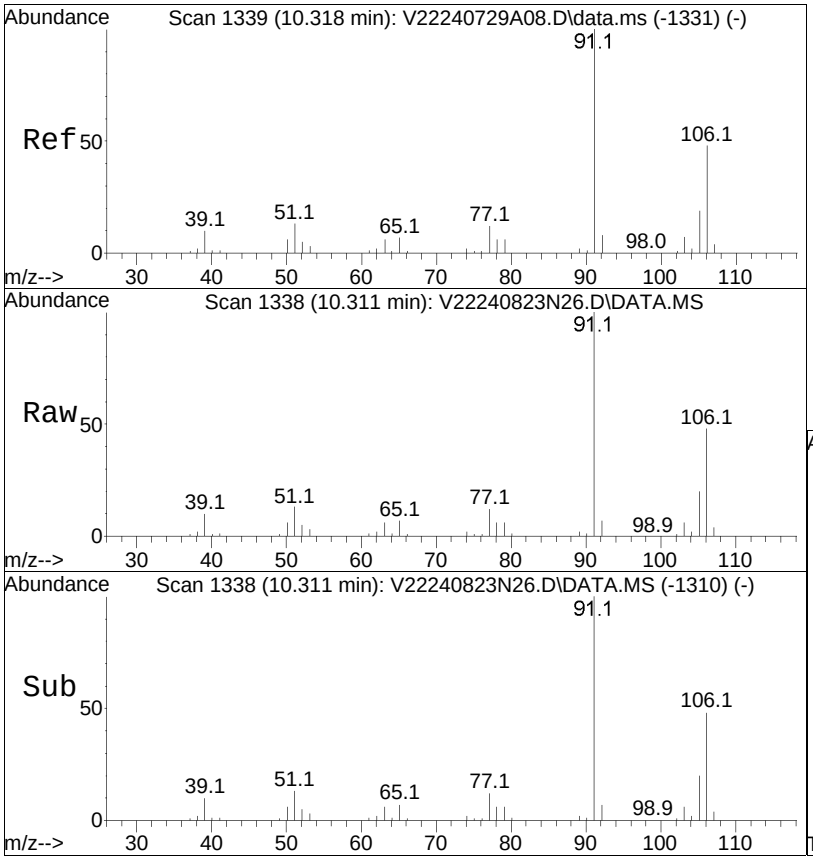


#80
p/m Xylene
Concen: 21.35 ug/L
RT: 9.771 min Scan# 1261
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:106 Resp: 282155

Ion	Ratio	Lower	Upper
106	100		
91	195.7	156.0	234.0

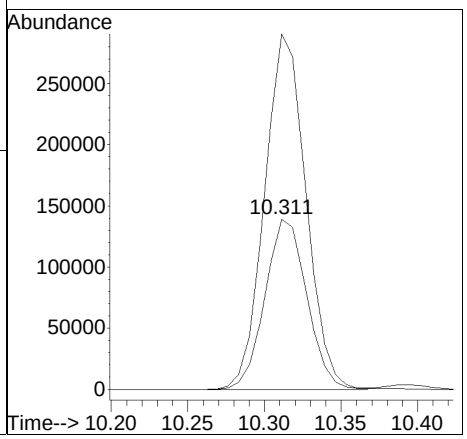


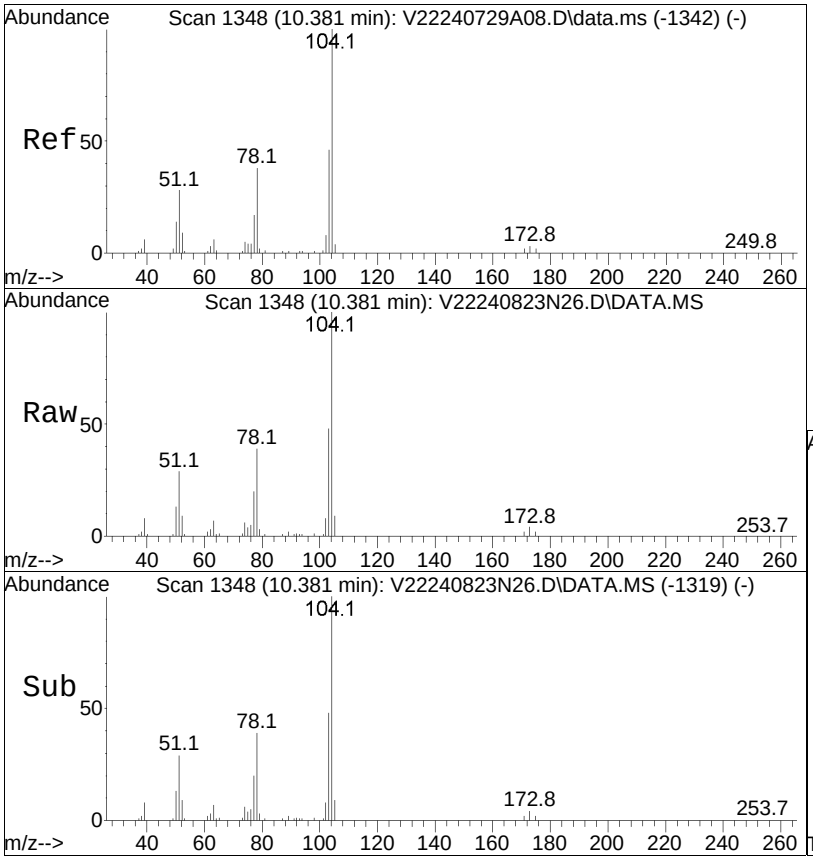


#81
o Xylene
Concen: 21.11 ug/L
RT: 10.311 min Scan# 1338
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:106 Resp: 263899

Ion	Ratio	Lower	Upper
106	100		
91	206.5	164.0	246.0

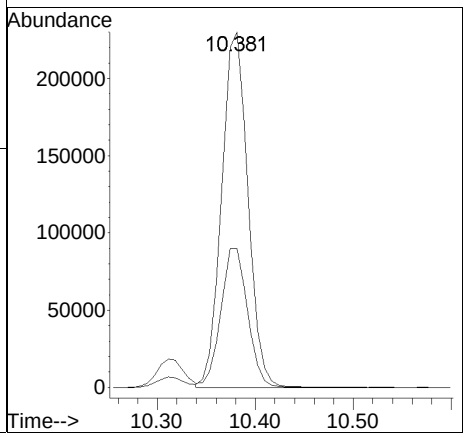


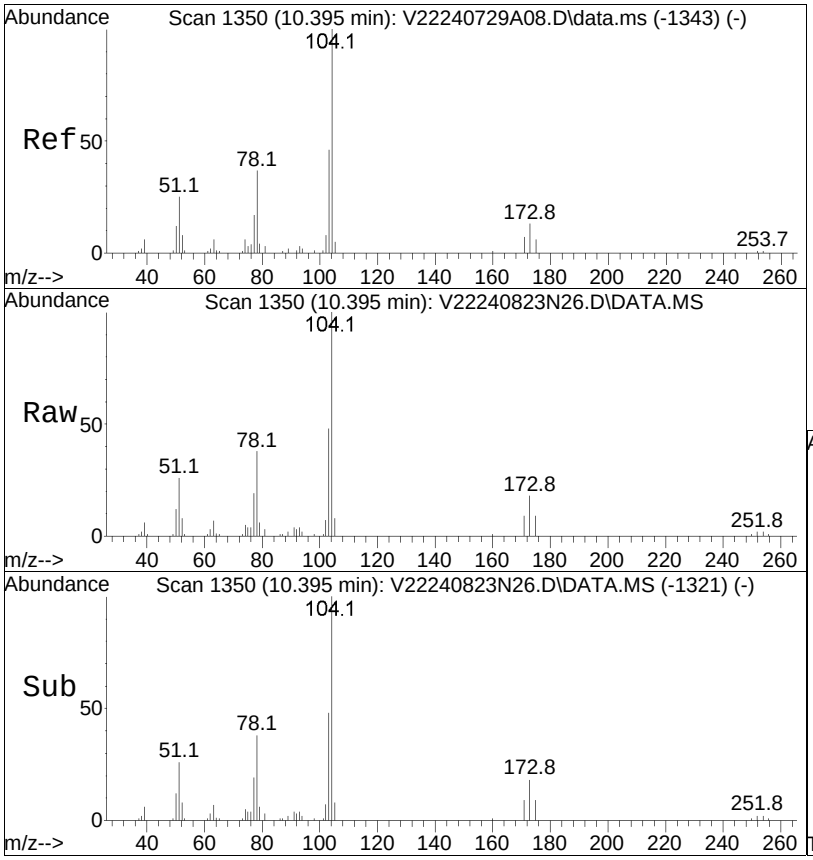


#82
Styrene
Concen: 21.32 ug/L
RT: 10.381 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:104 Resp: 428628

Ion	Ratio	Lower	Upper
104	100		
78	39.9	32.1	48.1

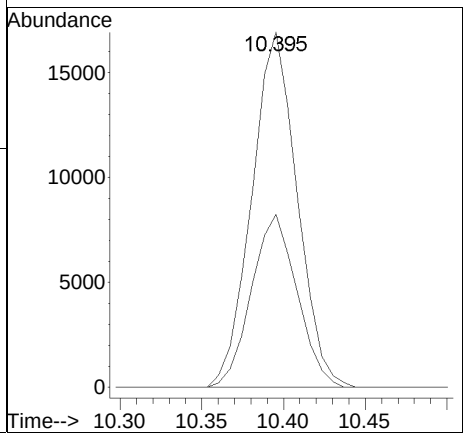


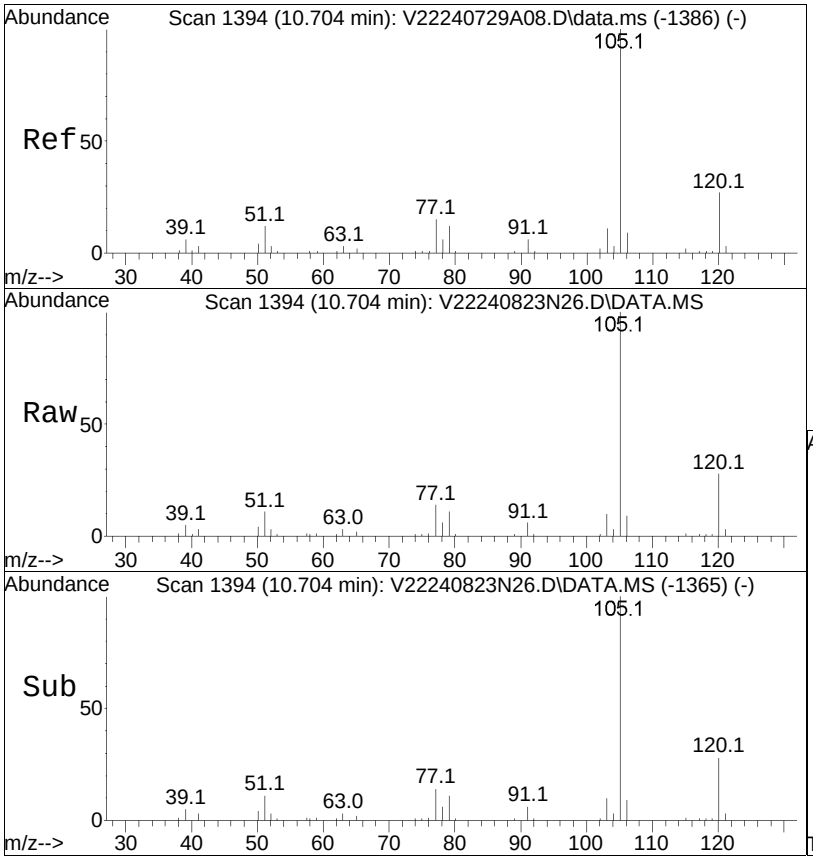


#84
Bromoform
Concen: 9.80 ug/L
RT: 10.395 min Scan# 1350
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:173 Resp: 32698

Ion	Ratio	Lower	Upper
173	100		
175	48.8	29.3	69.3

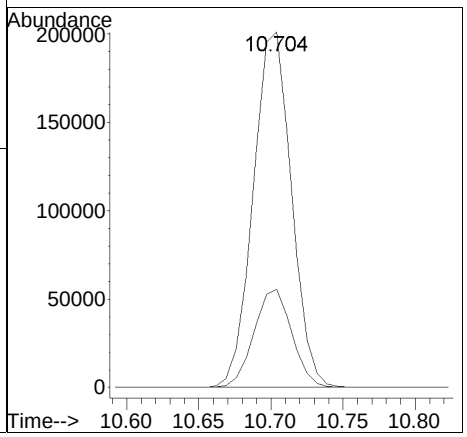


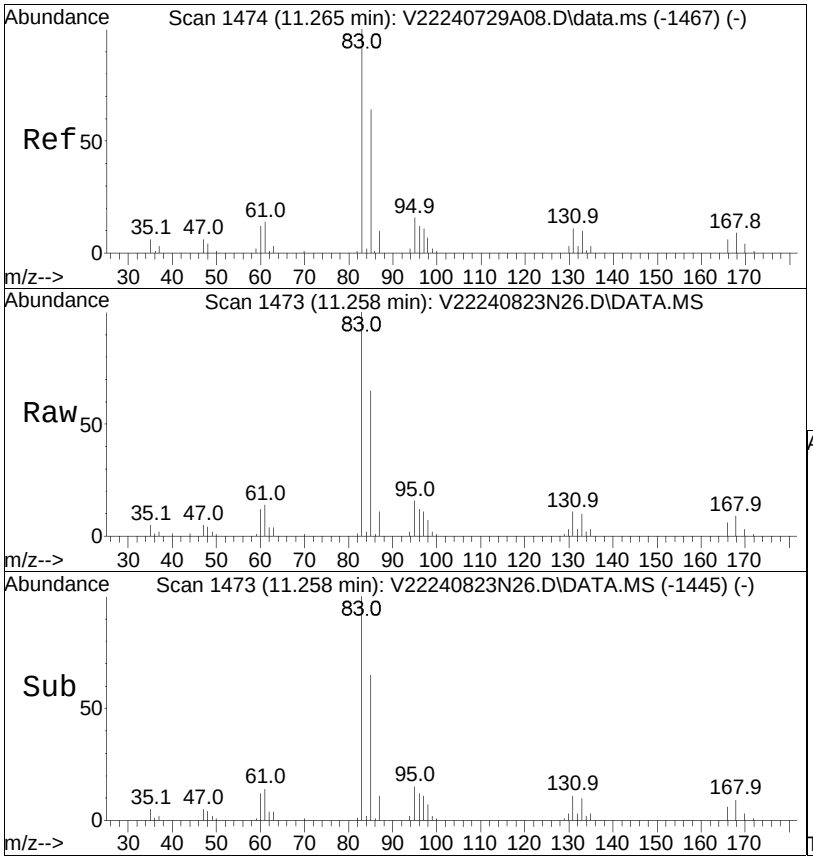


#86
Isopropylbenzene
Concen: 10.77 ug/L
RT: 10.704 min Scan# 1394
Delta R.T. -0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:105 Resp: 370582

Ion	Ratio	Lower	Upper
105	100		
120	27.3	7.7	47.7

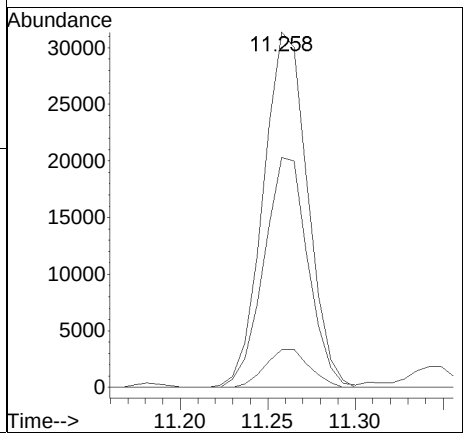


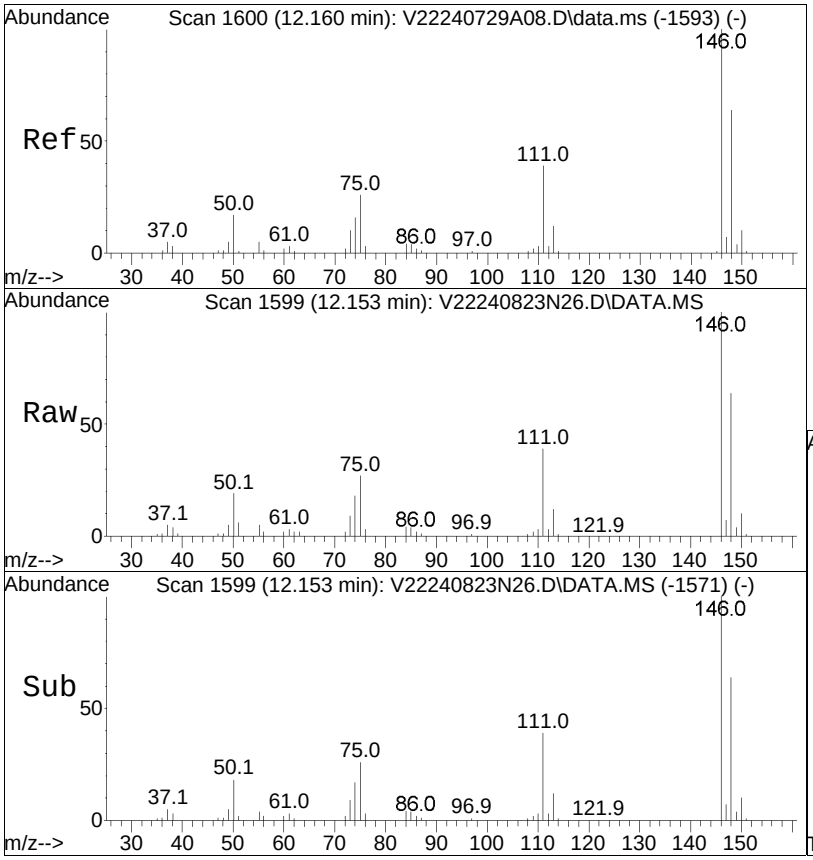


#91
1,1,2,2-Tetrachloroethane
Concen: 9.82 ug/L
RT: 11.258 min Scan# 1473
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion: 83 Resp: 55253

Ion	Ratio	Lower	Upper
83	100		
131	10.8	0.0	30.8
85	64.8	45.4	85.4

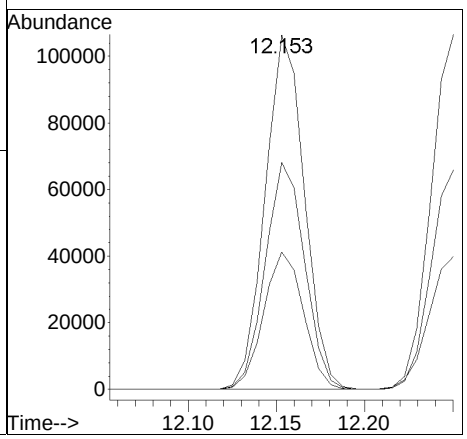


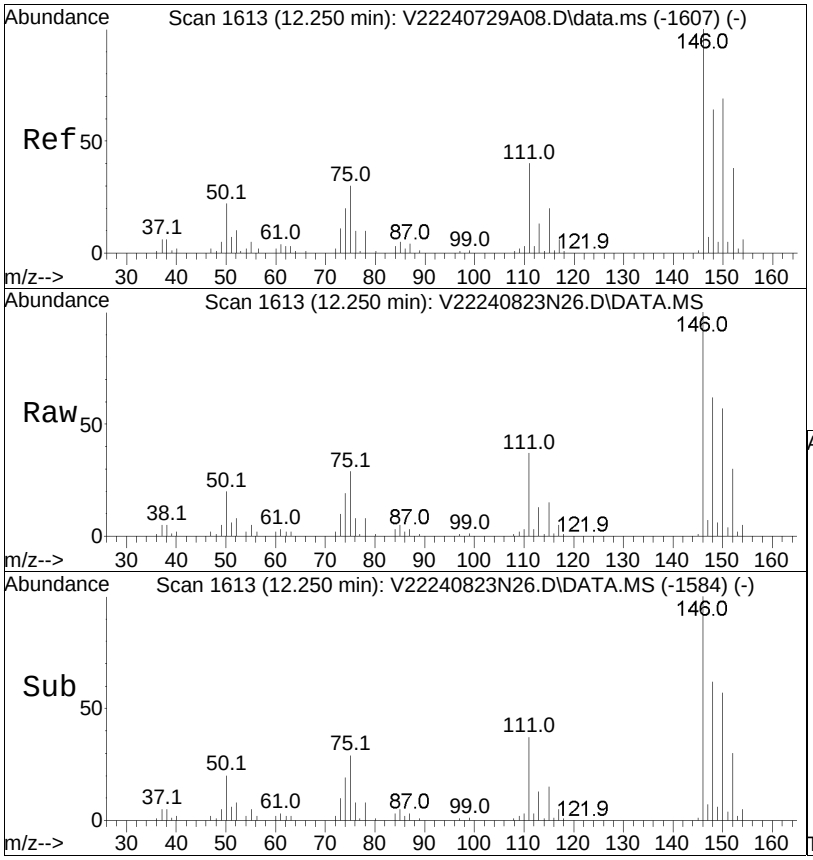


#104
1,3-Dichlorobenzene
Concen: 10.28 ug/L
RT: 12.153 min Scan# 1599
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:146 Resp: 164938

Ion	Ratio	Lower	Upper
146	100		
111	39.3	24.0	49.8
148	64.2	41.8	86.8

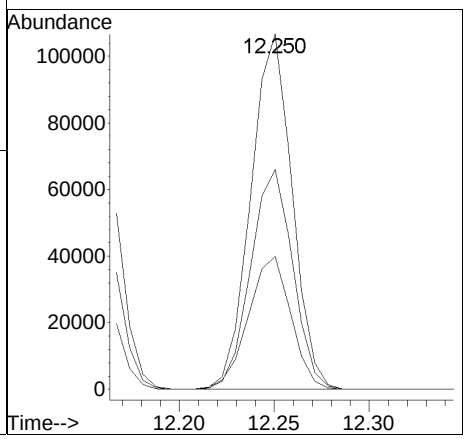


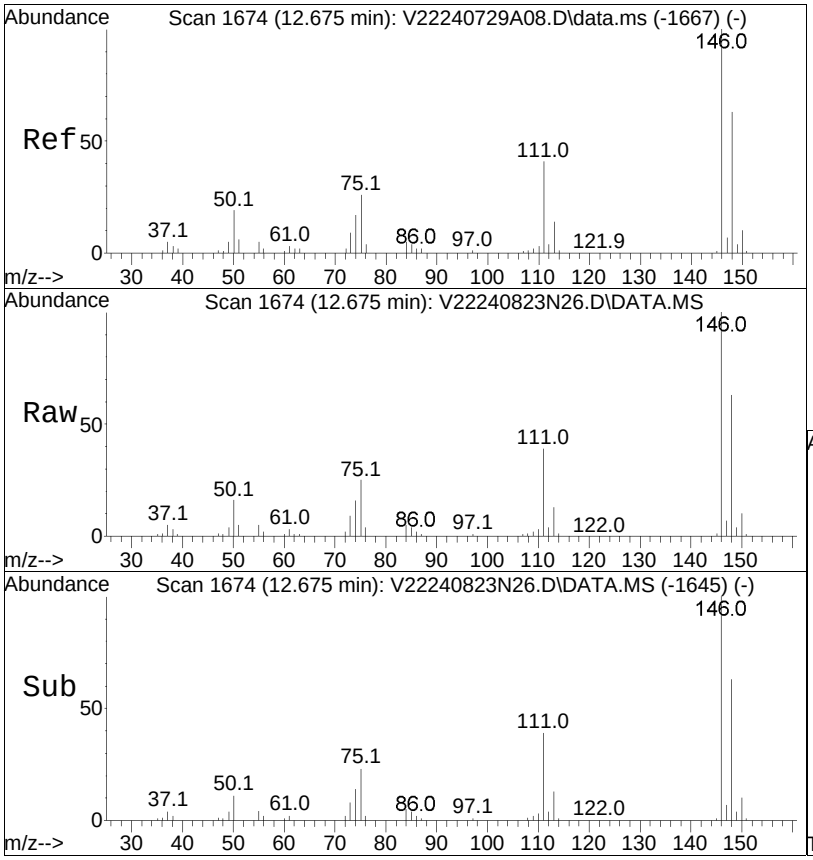


#105
1,4-Dichlorobenzene
Concen: 10.15 ug/L
RT: 12.250 min Scan# 1613
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:146 Resp: 161614

Ion	Ratio	Lower	Upper
146	100		
111	38.7	28.9	43.3
148	63.1	51.4	77.2

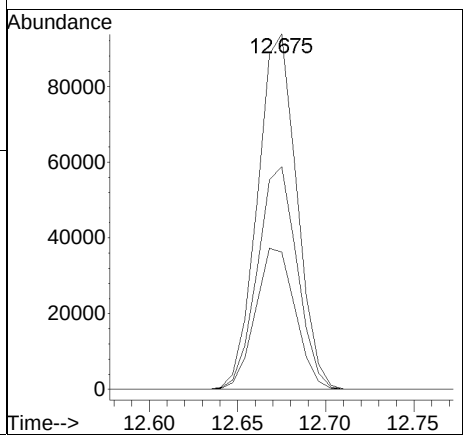


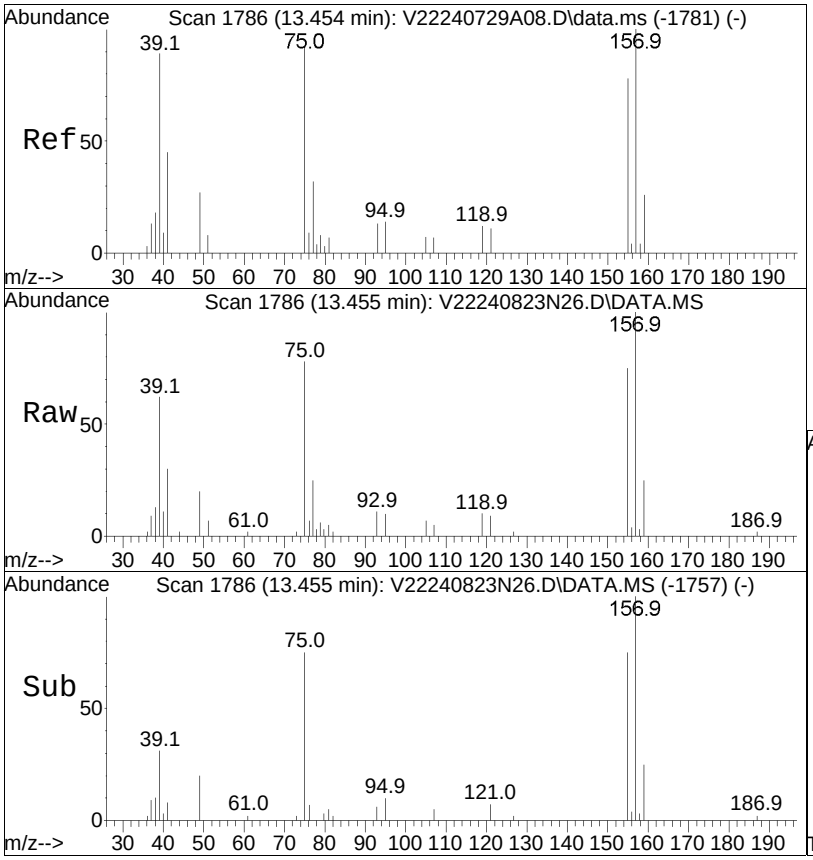


#108
1,2-Dichlorobenzene
Concen: 10.27 ug/L
RT: 12.675 min Scan# 1674
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:146 Resp: 145777

Ion	Ratio	Lower	Upper
146	100		
111	40.2	24.8	51.6
148	63.2	42.2	87.6

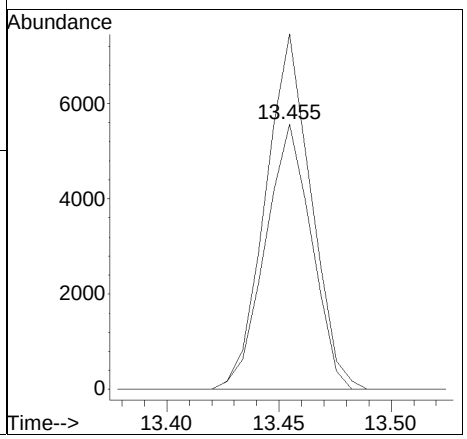


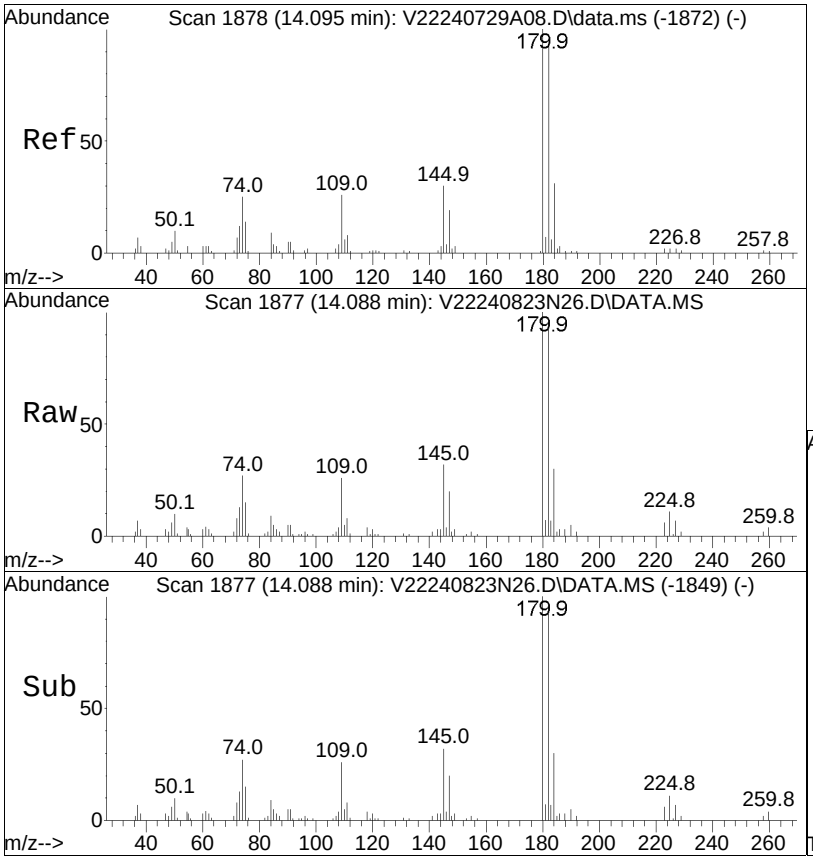


#110
1,2-Dibromo-3-chloropropane
Concen: 9.46 ug/L
RT: 13.455 min Scan# 1786
Delta R.T. 0.001 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:155 Resp: 7984

Ion	Ratio	Lower	Upper
155	100		
157	132.0	102.3	153.5

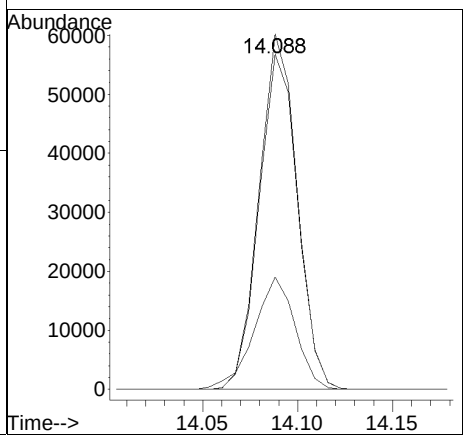


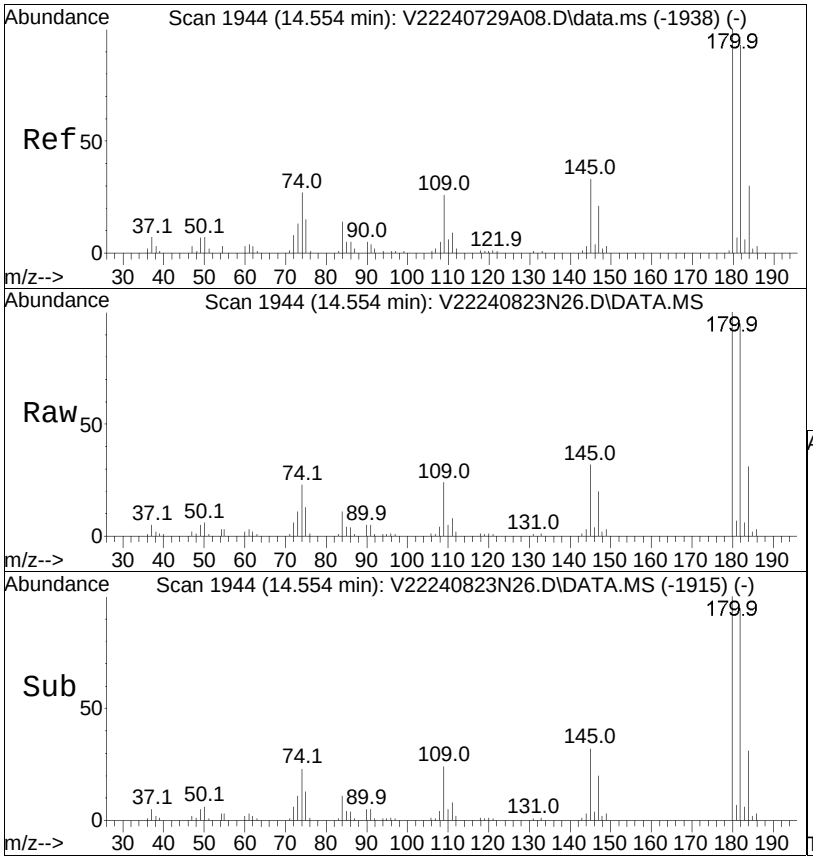


#113
1,2,4-Trichlorobenzene
Concen: 10.66 ug/L
RT: 14.088 min Scan# 1877
Delta R.T. -0.007 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:180 Resp: 83891

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.6	114.8
145	34.3	25.5	38.3

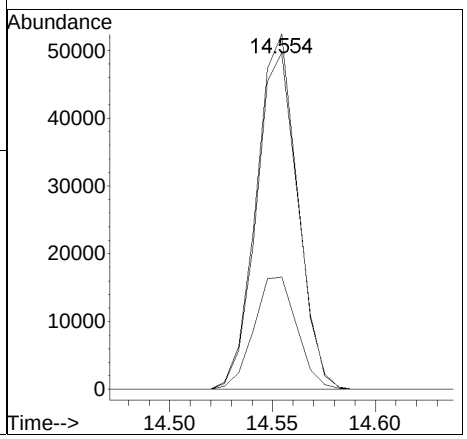




#115
1,2,3-Trichlorobenzene
Concen: 10.90 ug/L
RT: 14.554 min Scan# 1944
Delta R.T. 0.000 min
Lab File: V22240823N26.D
Acq: 24 Aug 2024 02:29 am

Tgt Ion:180 Resp: 72885

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	33.2	23.8	35.8



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N26.D	Operator	: VOA122:MAG
Date Inj'd	: 8/24/2024 2:29 am	Instrument	: VOA 122
Sample	: WG1963652-6,31,10,10,,A1	Quant Date	: 8/25/2024 8:18 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N27.D
Acq On : 24 Aug 2024 02:54 am
Operator : VOA122:MAG
Sample : WG1963652-7,31,10,10,,A2
Misc : WG1963652,ICAL21346
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 25 20:19:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.976	96	539699	10.000	ug/L	0.00
Standard Area 1 = 428454			Recovery = 125.96%			
62) Chlorobenzene-d5	9.519	117	432682	10.000	ug/L	0.00
Standard Area 1 = 356768			Recovery = 121.28%			
83) 1,4-Dichlorobenzene-d4	12.229	152	220614	10.000	ug/L	0.00
Standard Area 1 = 187735			Recovery = 117.51%			
System Monitoring Compounds						
38) Dibromofluoromethane	5.164	113	178924	9.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.88%			
46) 1,2-Dichloroethane-d4	5.688	65	165306	10.370	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.70%			
63) Toluene-d8	7.675	98	534362	9.693	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.93%			
87) 4-Bromofluorobenzene	11.019	95	194012	9.658	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.58%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.625	85	83105	7.800	ug/L	98
3) Chloromethane	1.815	50	128016	9.007	ug/L	97
4) Vinyl chloride	1.880	62	127921	11.376	ug/L	96
5) Bromomethane	2.188	94	20775	4.599	ug/L	99
6) Chloroethane	2.300	64	71310	10.971	ug/L	98
7) Trichlorofluoromethane	2.444	101	147950	11.462	ug/L	100
10) 1,1-Dichloroethene	2.929	96	85592	11.463	ug/L #	73
11) Carbon disulfide	2.962	76	278537	11.356	ug/L	99
12) Freon-113	2.968	101	88457	11.456	ug/L	96
15) Methylene chloride	3.473	84	95687	9.667	ug/L #	62
17) Acetone	3.512	43	19941	11.051	ug/L	98
18) trans-1,2-Dichloroethene	3.630	96	91688	10.497	ug/L	78
19) Methyl acetate	3.630	43	43296	9.325	ug/L #	85
21) Methyl tert-butyl ether	3.729	73	187009	11.196	ug/L #	80
25) 1,1-Dichloroethane	4.207	63	191844	10.754	ug/L	96
30) cis-1,2-Dichloroethene	4.725	96	100733	10.406	ug/L #	80
32) Bromochloromethane	4.915	128	49336	10.801	ug/L #	70
33) Cyclohexane	4.928	56	213471	11.804	ug/L #	64
34) Chloroform	4.987	83	159147	10.307	ug/L	96
36) Carbon tetrachloride	5.125	117	129028	11.580	ug/L	98

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N27.D
Acq On : 24 Aug 2024 02:54 am
Operator : VOA122:MAG
Sample : WG1963652-7,31,10,10,,A2
Misc : WG1963652,ICAL21346
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 25 20:19:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA122\2024\240823N\V22240823N01.D
Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
39) 1,1,1-Trichloroethane	5.190	97	144779	11.120	ug/L		95
41) 2-Butanone	5.275	43	26405	10.413	ug/L	#	49
44) Benzene	5.557	78	375946	10.998	ug/L	#	92
47) 1,2-Dichloroethane	5.754	62	88504	10.363	ug/L		97
50) Methyl cyclohexane	6.153	83	125910	11.182	ug/L	#	62
51) Trichloroethene	6.153	95	76331	10.498	ug/L		99
54) 1,2-Dichloropropane	6.695	63	83648	10.958	ug/L		93
57) Bromodichloromethane	6.764	83	94599	10.503	ug/L		97
60) 1,4-Dioxane	6.973	88	18894	627.384	ug/L	#	56
61) cis-1,3-Dichloropropene	7.459	75	97236	10.476	ug/L	#	88
64) Toluene	7.730	92	188245	10.562	ug/L		99
65) 4-Methyl-2-pentanone	8.161	58	15731	11.029	ug/L	#	77
66) Tetrachloroethene	8.182	166	84182	12.046	ug/L		96
68) trans-1,3-Dichloropropene	8.210	75	80212	9.061	ug/L		88
71) 1,1,2-Trichloroethane	8.398	83	42513	10.158	ug/L		98
72) Chlorodibromomethane	8.607	129	63893	9.454	ug/L		99
74) 1,2-Dibromoethane	8.880	107	49391	10.531	ug/L		99
76) 2-Hexanone	9.175	43	27436	10.351	ug/L		88
77) Chlorobenzene	9.540	112	211985	10.502	ug/L		89
78) Ethylbenzene	9.582	91	370244	11.002	ug/L		99
80) p/m Xylene	9.771	106	289879	22.192	ug/L		100
81) o Xylene	10.311	106	270226	21.876	ug/L		99
82) Styrene	10.381	104	433660	21.826	ug/L		99
84) Bromoform	10.395	173	32917	9.918	ug/L		100
86) Isopropylbenzene	10.704	105	381820	11.158	ug/L		99
91) 1,1,2,2-Tetrachloroethane	11.258	83	56849	10.156	ug/L		100
104) 1,3-Dichlorobenzene	12.153	146	168008	10.526	ug/L		98
105) 1,4-Dichlorobenzene	12.250	146	162017	10.235	ug/L		98
108) 1,2-Dichlorobenzene	12.675	146	148774	10.536	ug/L		97
110) 1,2-Dibromo-3-chloropr...	13.454	155	8322	9.894	ug/L		100
113) 1,2,4-Trichlorobenzene	14.088	180	84822	10.837	ug/L		98
115) 1,2,3-Trichlorobenzene	14.554	180	74315	11.178	ug/L		98

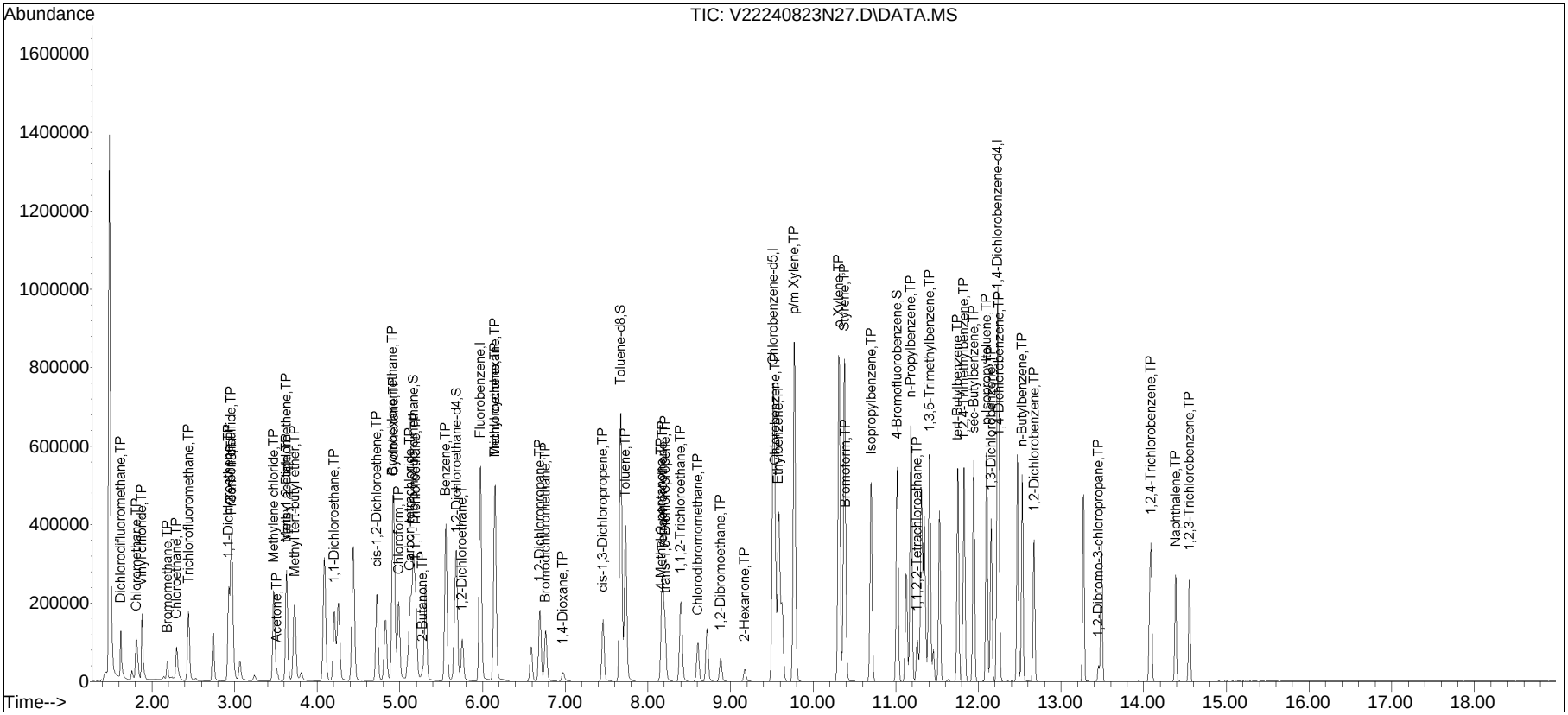
(#) = qualifier out of range (m) = manual integration (+) = signals summed

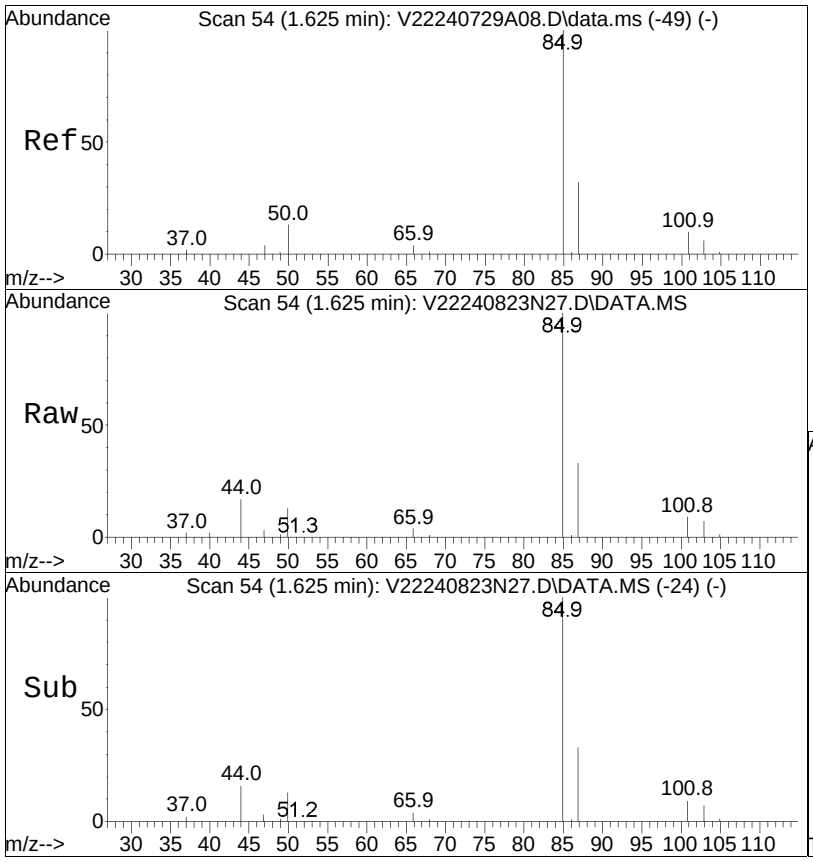
Quantitation Report (QT Reviewed)

Data Path : K:\VOA122\2024\240823N\
Data File : V22240823N27.D
Acq On : 24 Aug 2024 02:54 am
Operator : VOA122:MAG
Sample : WG1963652-7,31,10,10,,A2
Misc : WG1963652,ICAL21346
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 25 20:19:04 2024
Quant Method : K:\VOA122\2024\240823N\V122_240729A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Jul 30 07:07:01 2024
Response via : Initial Calibration

Sub List : 8260-NY_R2 - NYSOM01.2 + NYSTARS0823N01.D•

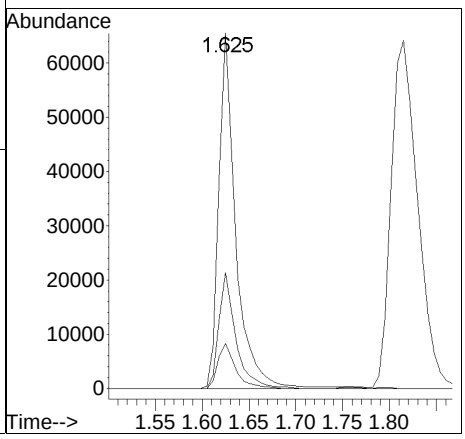


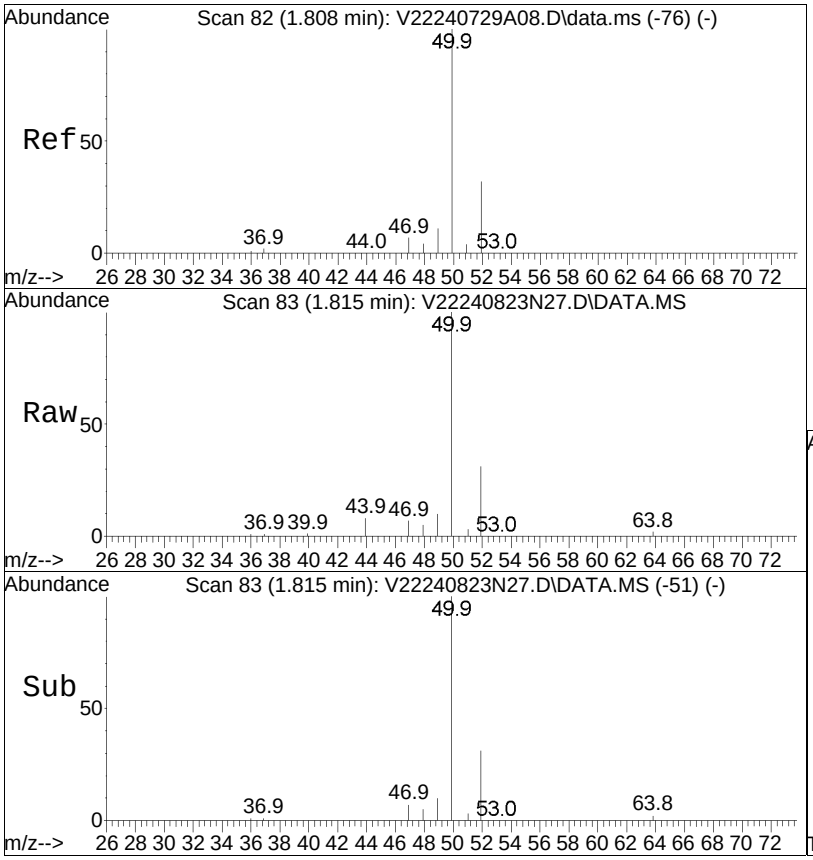


#2
Dichlorodifluoromethane
Concen: 7.80 ug/L
RT: 1.625 min Scan# 54
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 85 Resp: 83105

Ion	Ratio	Lower	Upper
85	100		
87	32.2	20.7	42.9
50	13.1	6.8	14.2

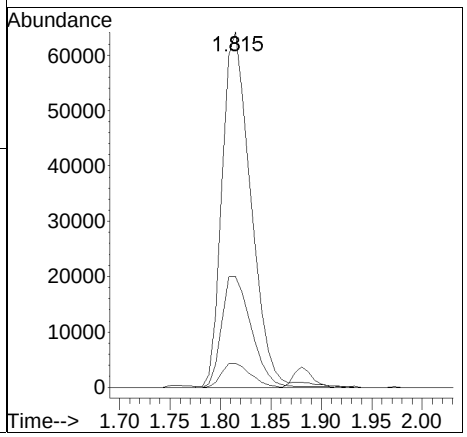


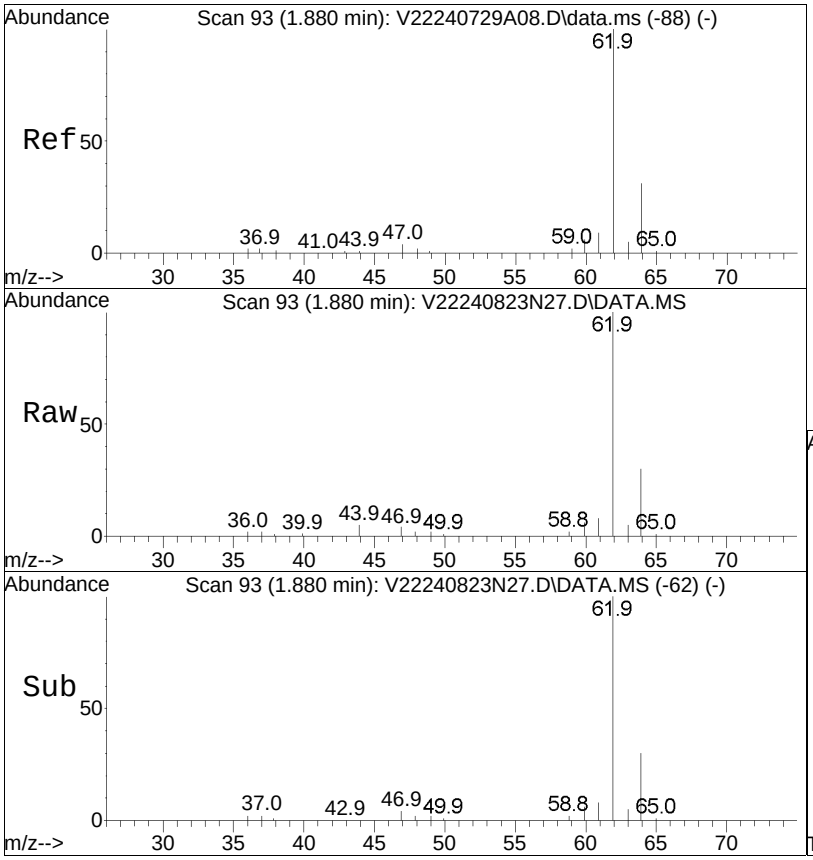


#3
Chloromethane
Concen: 9.01 ug/L
RT: 1.815 min Scan# 83
Delta R.T. 0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 50 Resp: 128016

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.8	52.8
47	6.9	0.0	30.0

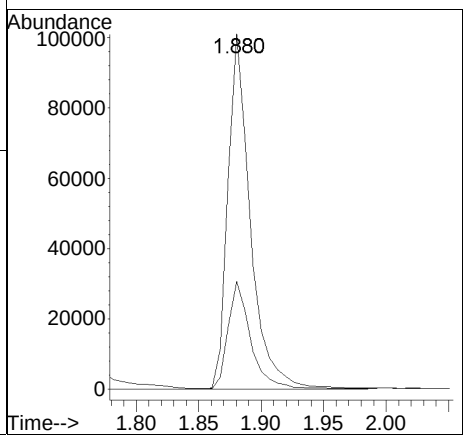


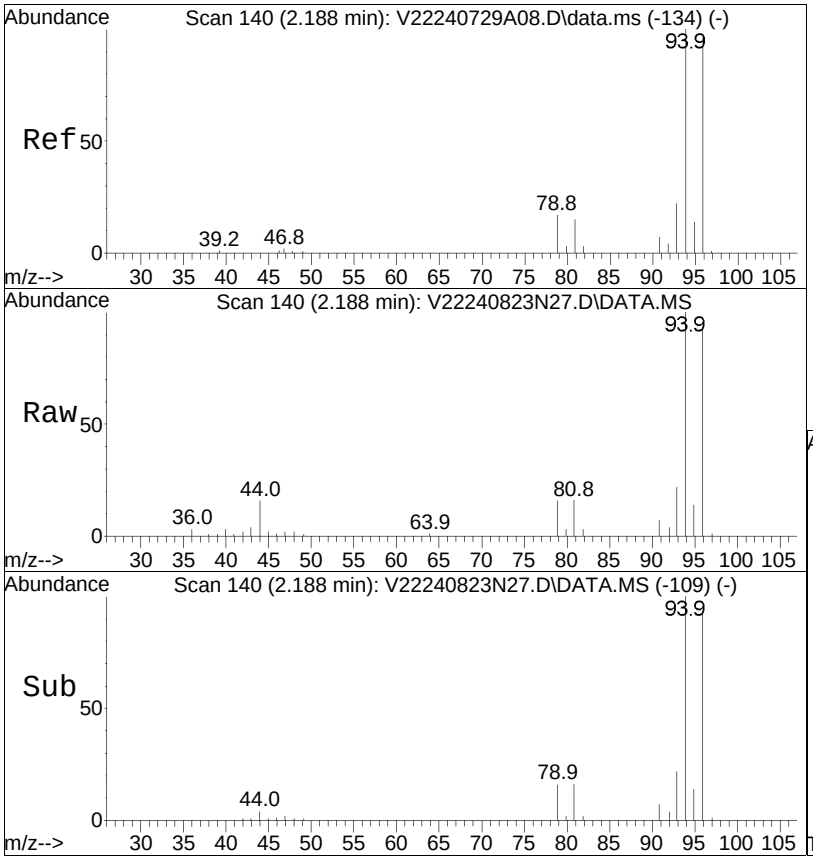


#4
Vinyl chloride
Concen: 11.38 ug/L
RT: 1.880 min Scan# 93
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 62 Resp: 127921

Ion	Ratio	Lower	Upper
62	100		
64	30.0	12.0	52.0

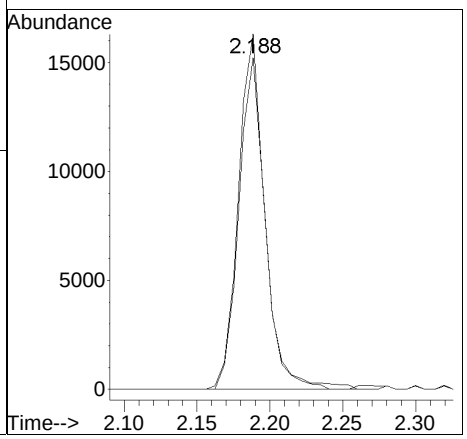


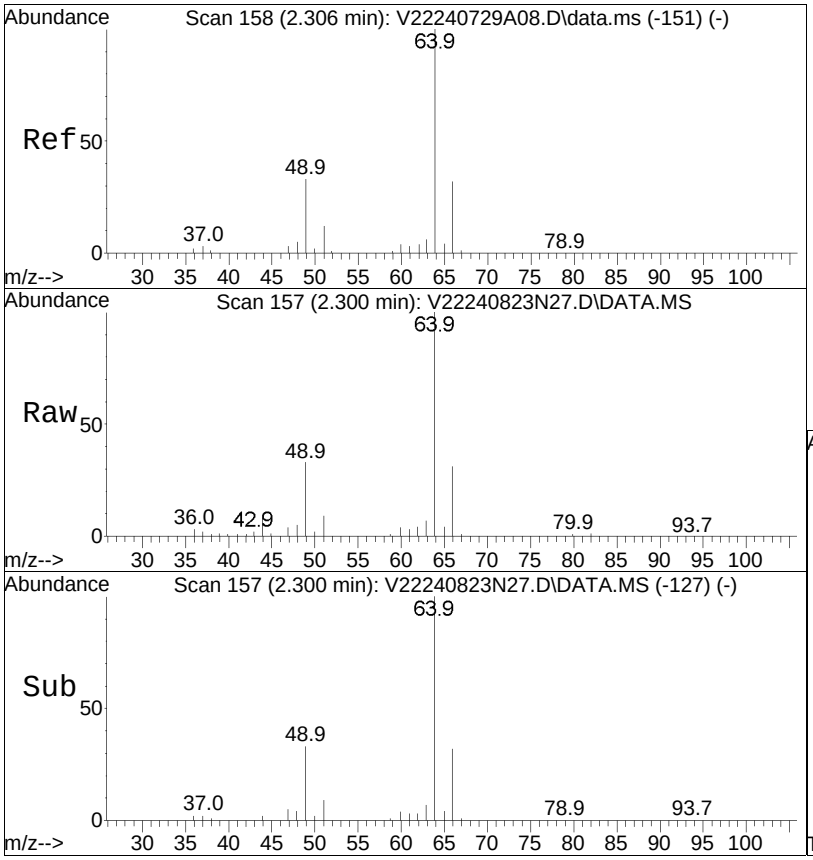


#5
Bromomethane
Concen: 4.60 ug/L
RT: 2.188 min Scan# 140
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 94 Resp: 20775

Ion	Ratio	Lower	Upper
94	100		
96	92.2	72.8	112.8

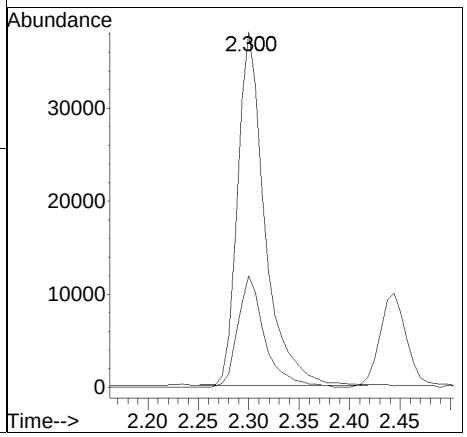


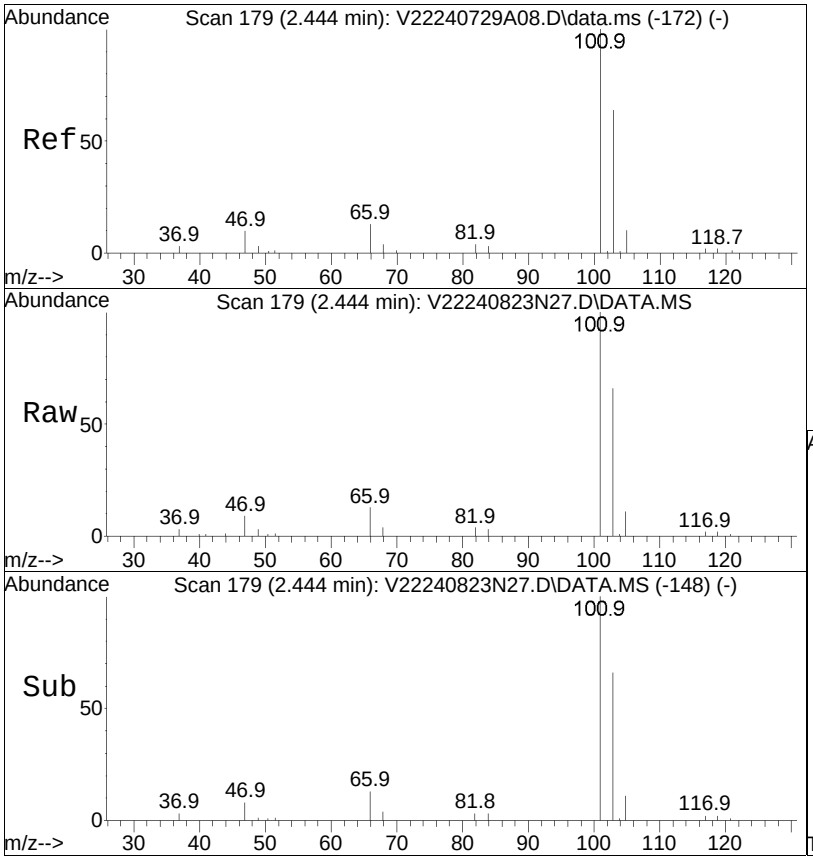


#6
Chloroethane
Concen: 10.97 ug/L
RT: 2.300 min Scan# 157
Delta R.T. -0.006 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 64 Resp: 71310

Ion	Ratio	Lower	Upper
64	100		
66	31.4	12.2	52.2

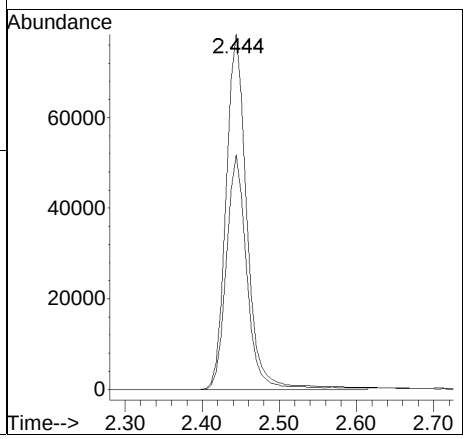


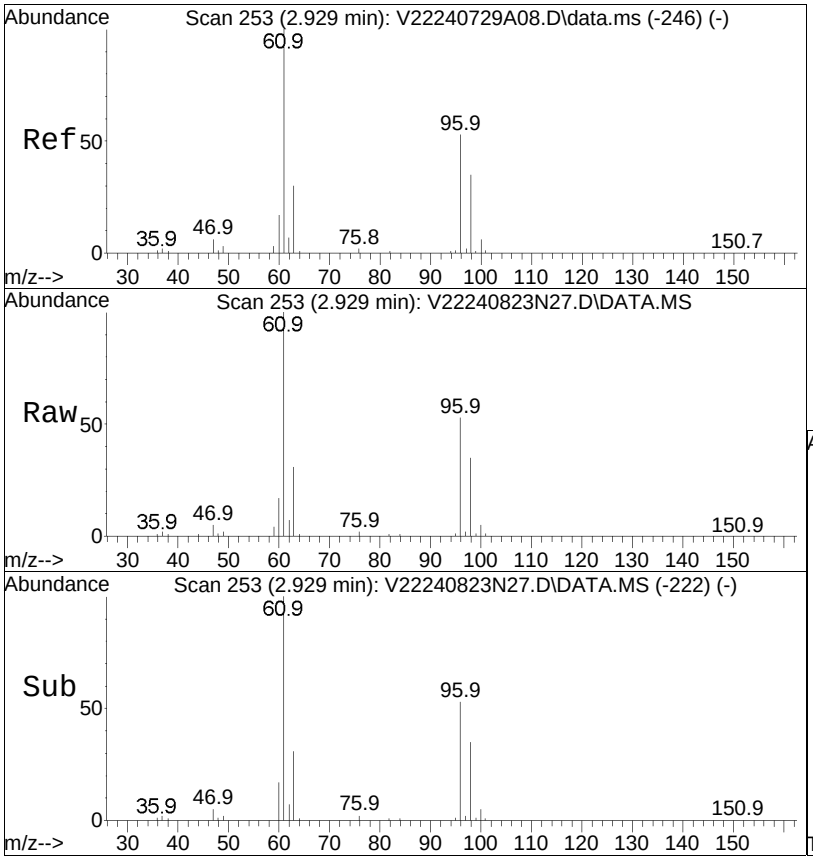


#7
Trichlorofluoromethane
Concen: 11.46 ug/L
RT: 2.444 min Scan# 179
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:101 Resp: 147950

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.6	77.4

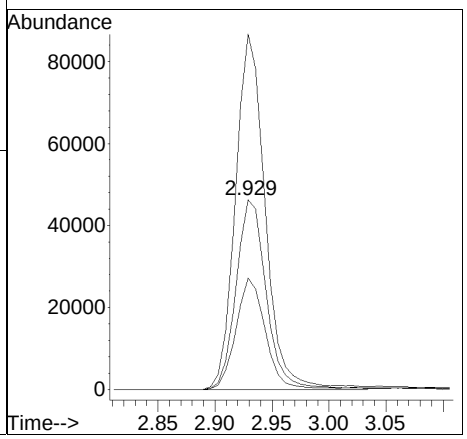


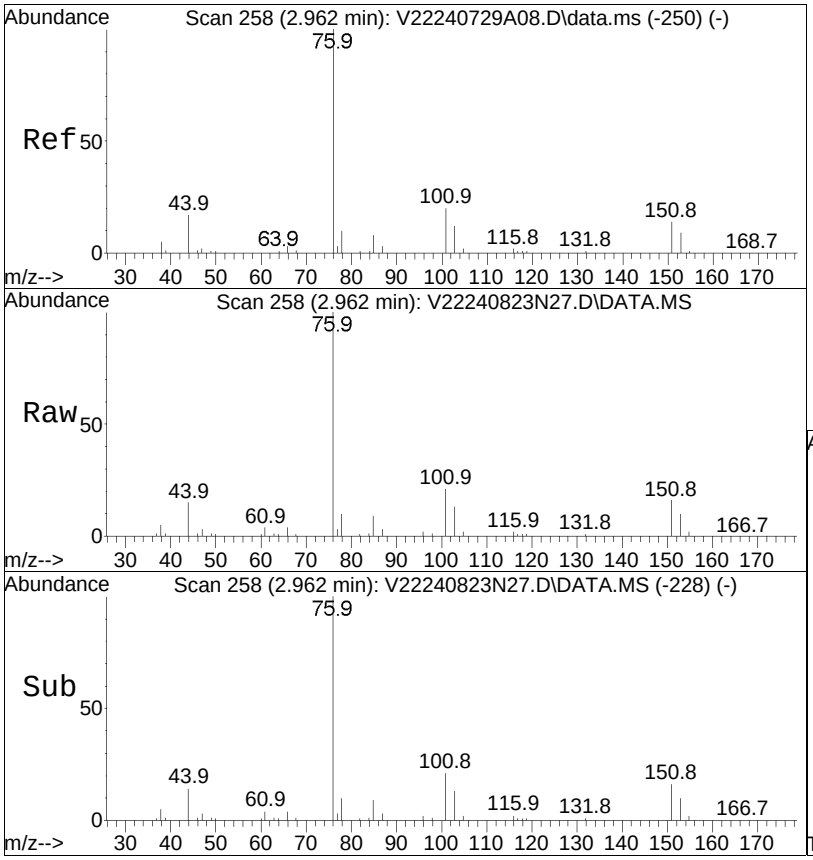


#10
1,1-Dichloroethene
Concen: 11.46 ug/L
RT: 2.929 min Scan# 253
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 96 Resp: 85592

Ion	Ratio	Lower	Upper
96	100		
61	184.3	117.0	175.4#
63	57.0	37.8	56.6#

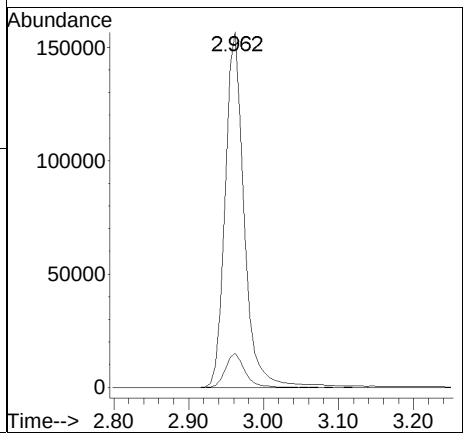


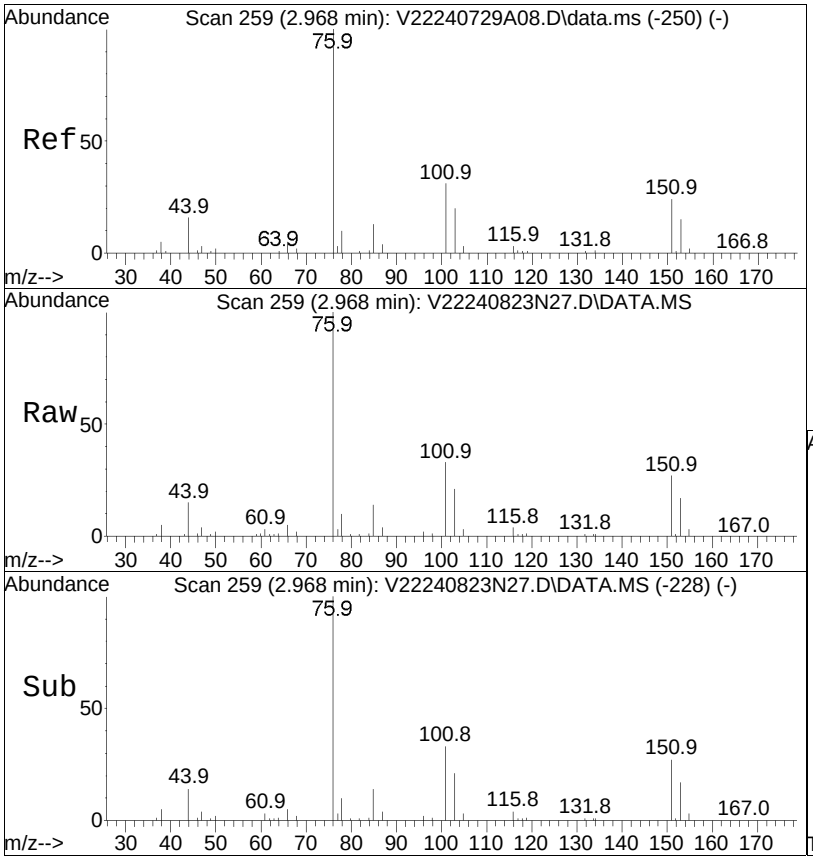


#11
Carbon disulfide
Concen: 11.36 ug/L
RT: 2.962 min Scan# 258
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 76 Resp: 278537

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

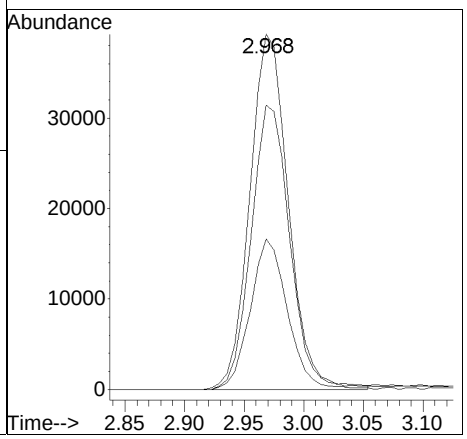


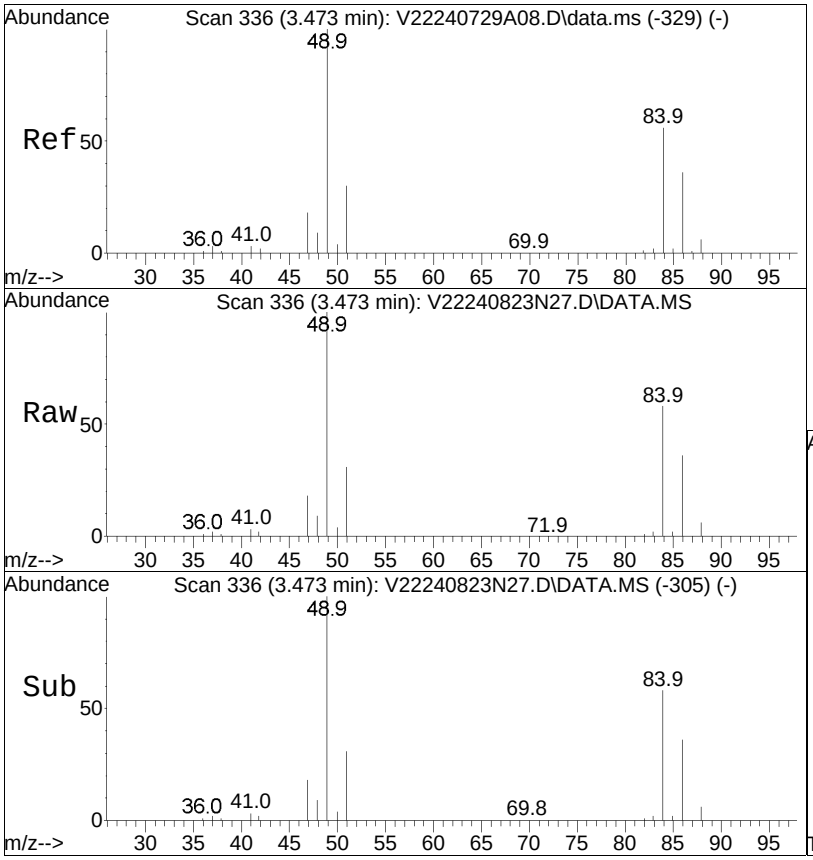


#12
Freon-113
Concen: 11.46 ug/L
RT: 2.968 min Scan# 259
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:101 Resp: 88457

Ion	Ratio	Lower	Upper
101	100		
151	80.5	68.5	102.7
85	40.9	33.1	49.7

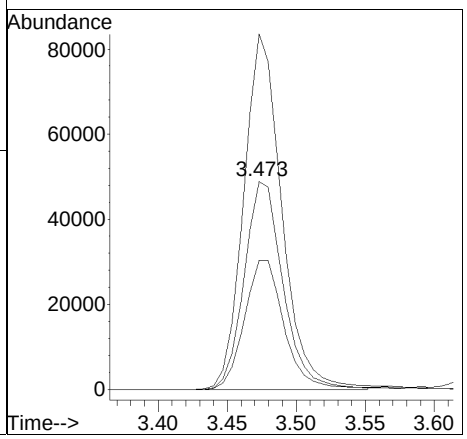


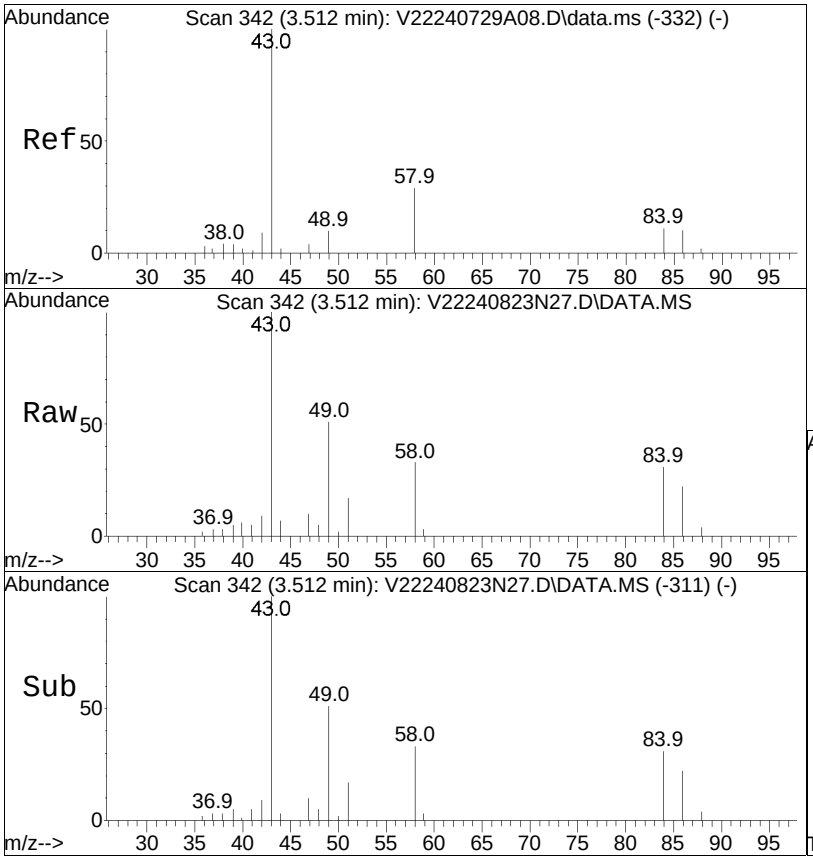


#15
Methylene chloride
Concen: 9.67 ug/L
RT: 3.473 min Scan# 336
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 84 Resp: 95687

Ion	Ratio	Lower	Upper
84	100		
86	63.8	41.5	86.3
49	168.9	68.8	143.0#

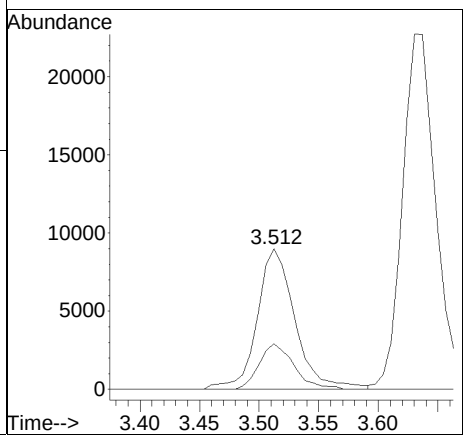


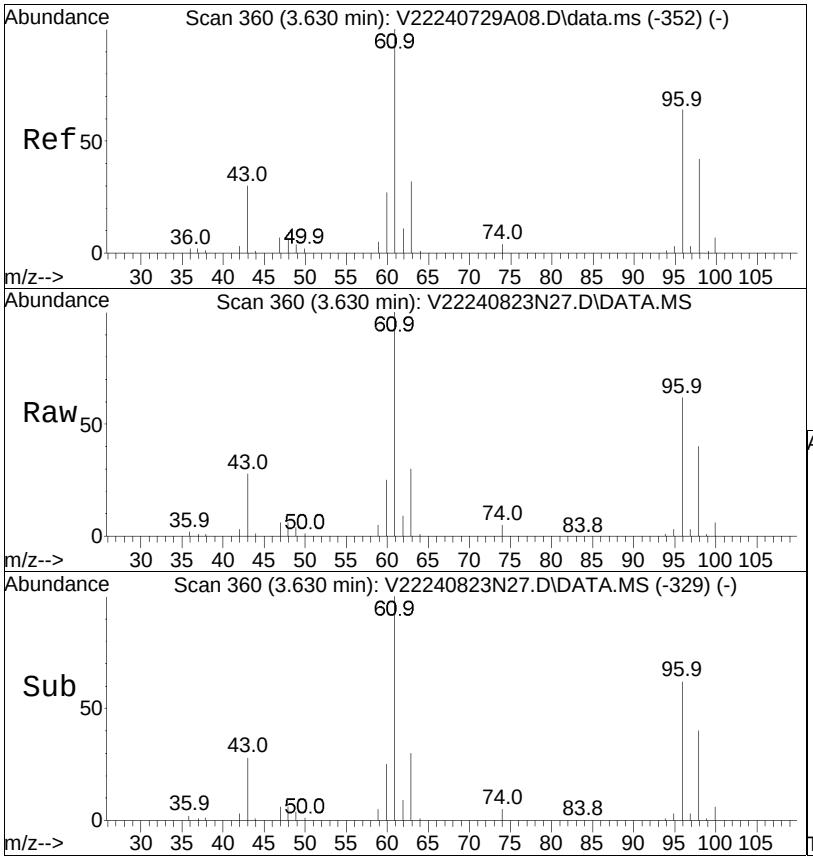


#17
Acetone
Concen: 11.05 ug/L
RT: 3.512 min Scan# 342
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 43 Resp: 19941

Ion	Ratio	Lower	Upper
43	100		
58	29.9	23.1	34.7

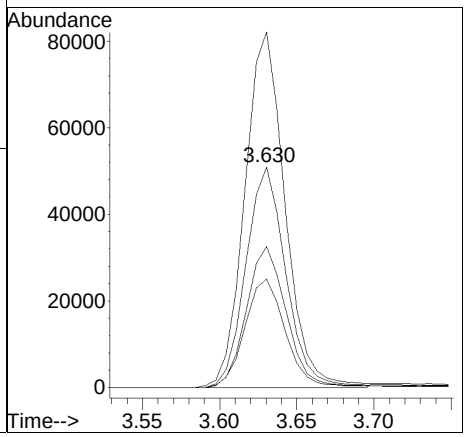


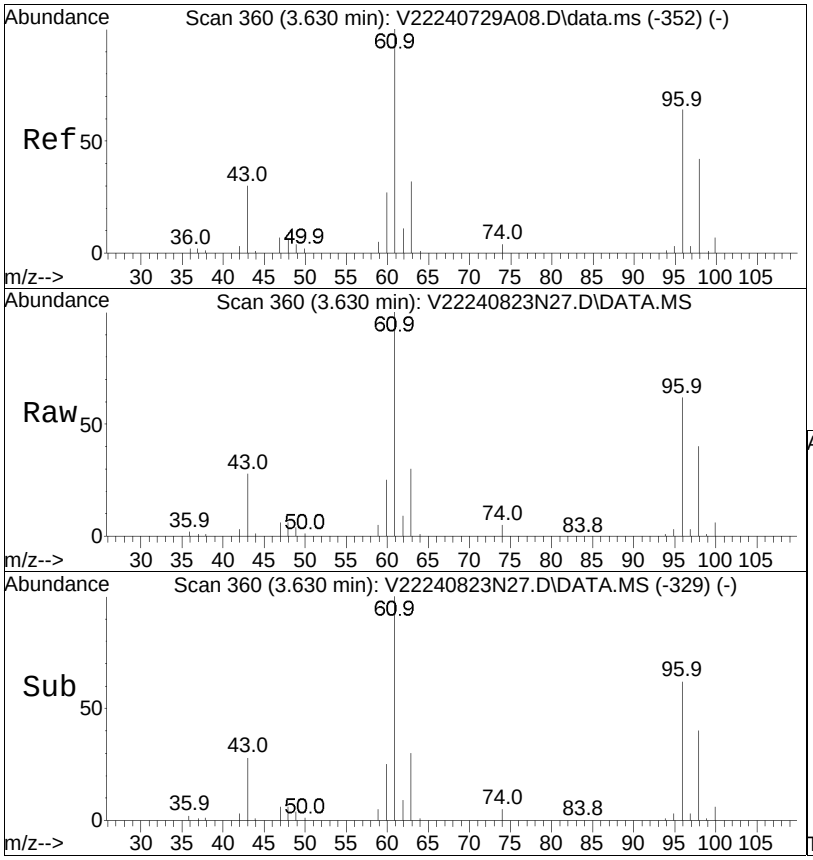


#18
trans-1,2-Dichloroethene
Concen: 10.50 ug/L
RT: 3.630 min Scan# 360
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 96 Resp: 91688

Ion	Ratio	Lower	Upper
96	100		
61	165.9	81.6	169.6
98	64.5	41.8	86.8
63	50.2	26.3	54.7

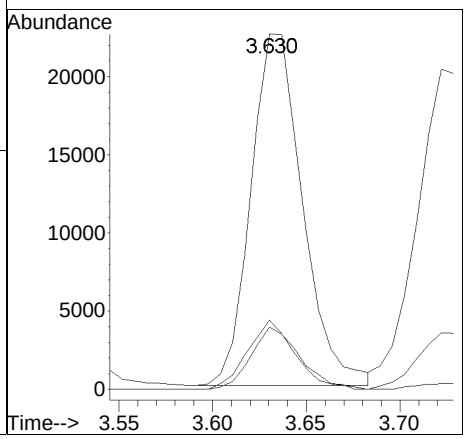


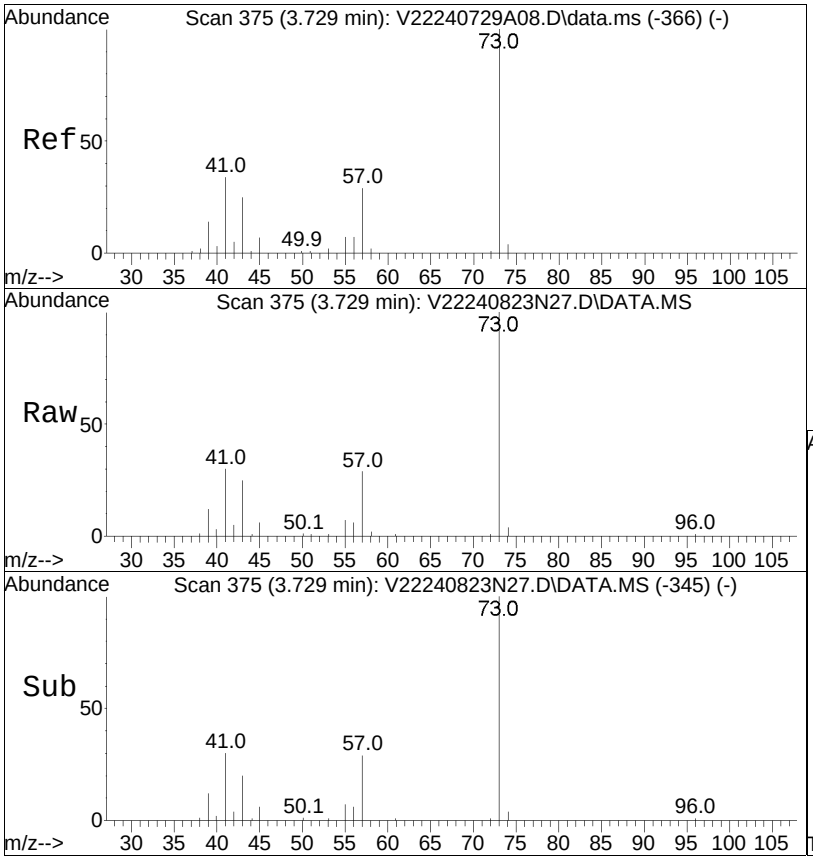


#19
Methyl acetate
Concen: 9.32 ug/L
RT: 3.630 min Scan# 360
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 43 Resp: 43296

Ion	Ratio	Lower	Upper
43	100		
74	16.6	21.8	32.6#
59	18.1	18.1	27.1

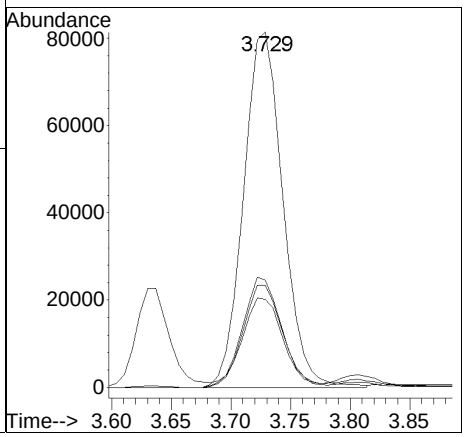


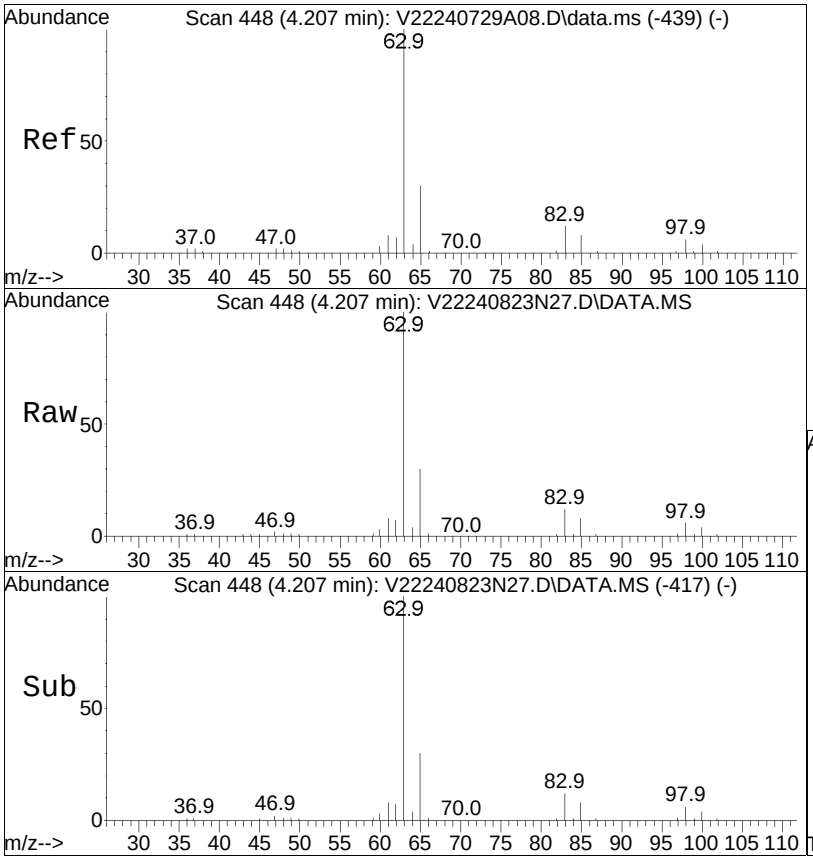


#21
Methyl tert-butyl ether
Concen: 11.20 ug/L
RT: 3.729 min Scan# 375
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 73 Resp: 187009

Ion	Ratio	Lower	Upper
73	100		
57	29.0	13.6	28.2#
43	25.2	12.7	26.5
41	30.8	11.4	23.8#

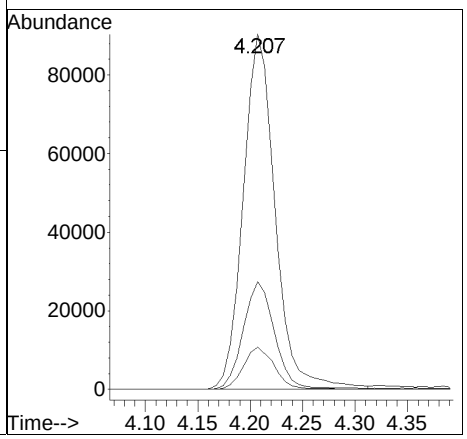


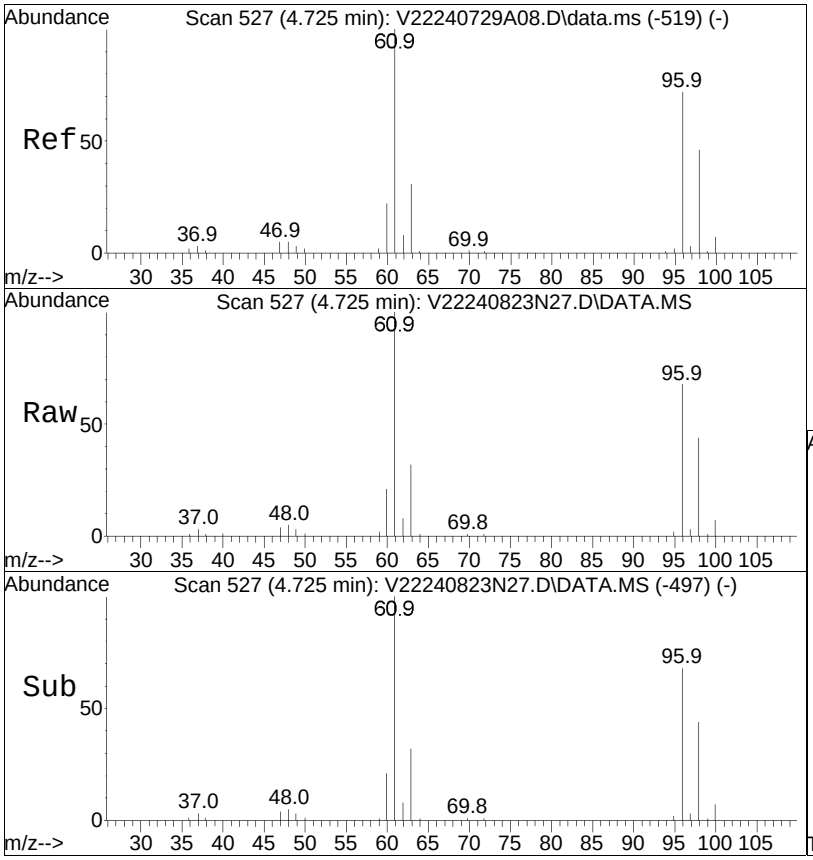


#25
1,1-Dichloroethane
Concen: 10.75 ug/L
RT: 4.207 min Scan# 448
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 63 Resp: 191844

Ion	Ratio	Lower	Upper
63	100		
65	29.9	11.9	51.9
83	11.6	0.0	34.2

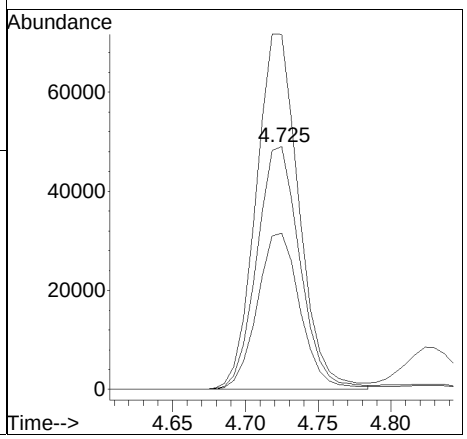


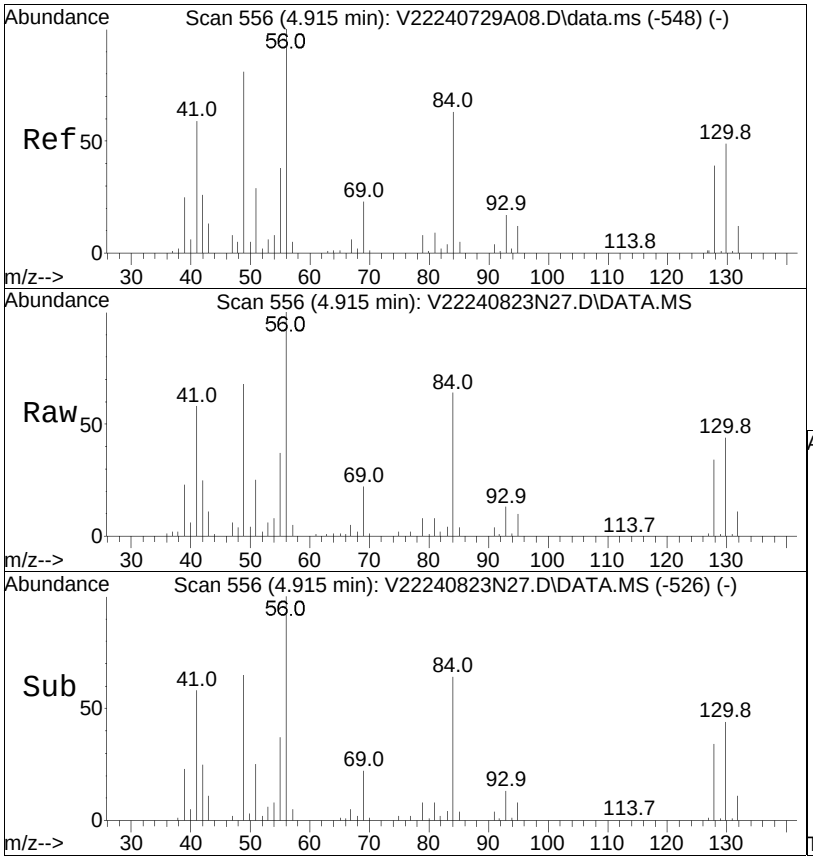


#30
cis-1,2-Dichloroethene
Concen: 10.41 ug/L
RT: 4.725 min Scan# 527
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 96 Resp: 100733

Ion	Ratio	Lower	Upper
96	100		
61	145.4	90.3	135.5#
98	64.5	50.8	76.2

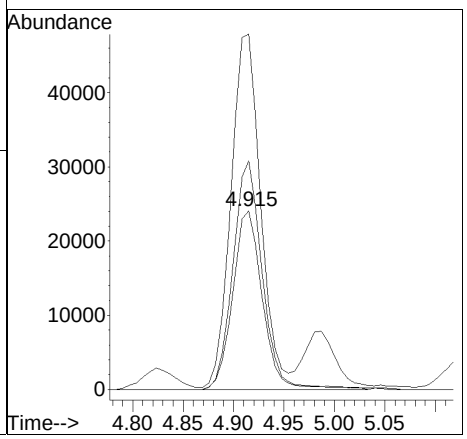


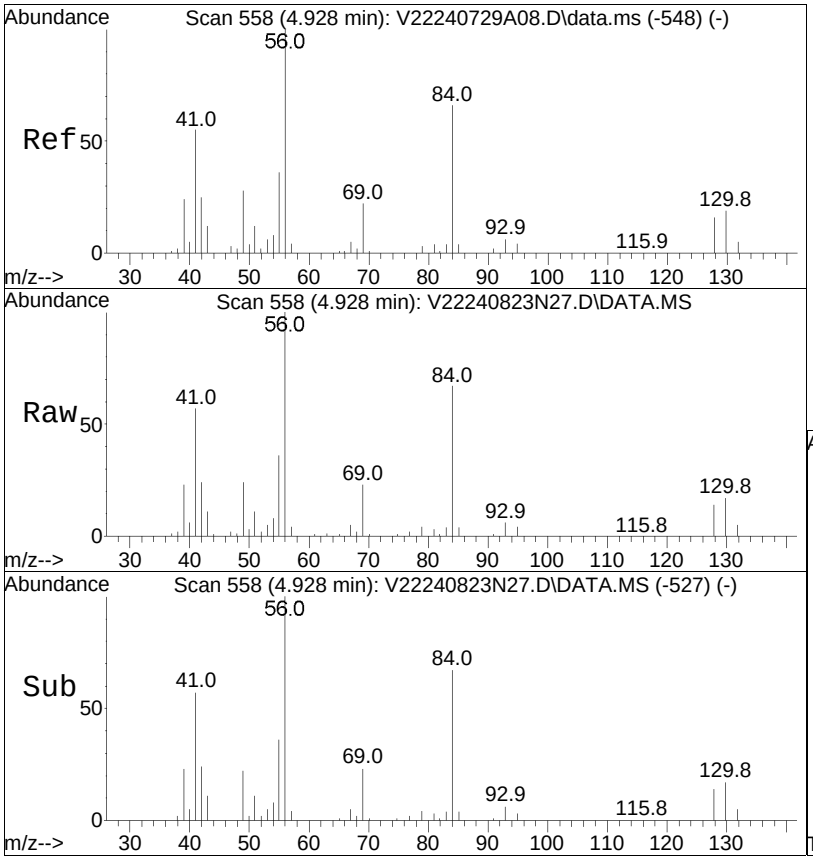


#32
Bromochloromethane
Concen: 10.80 ug/L
RT: 4.915 min Scan# 556
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:128 Resp: 49336

Ion	Ratio	Lower	Upper
128	100		
49	197.2	104.4	156.6#
130	127.1	103.9	155.9

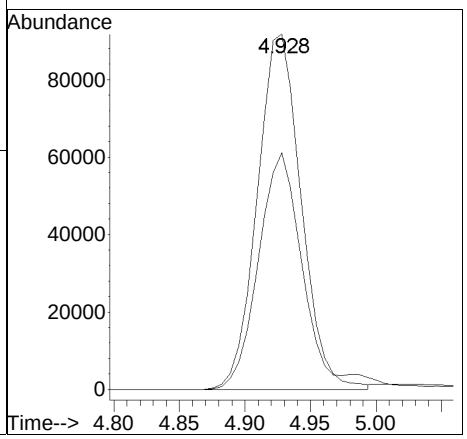


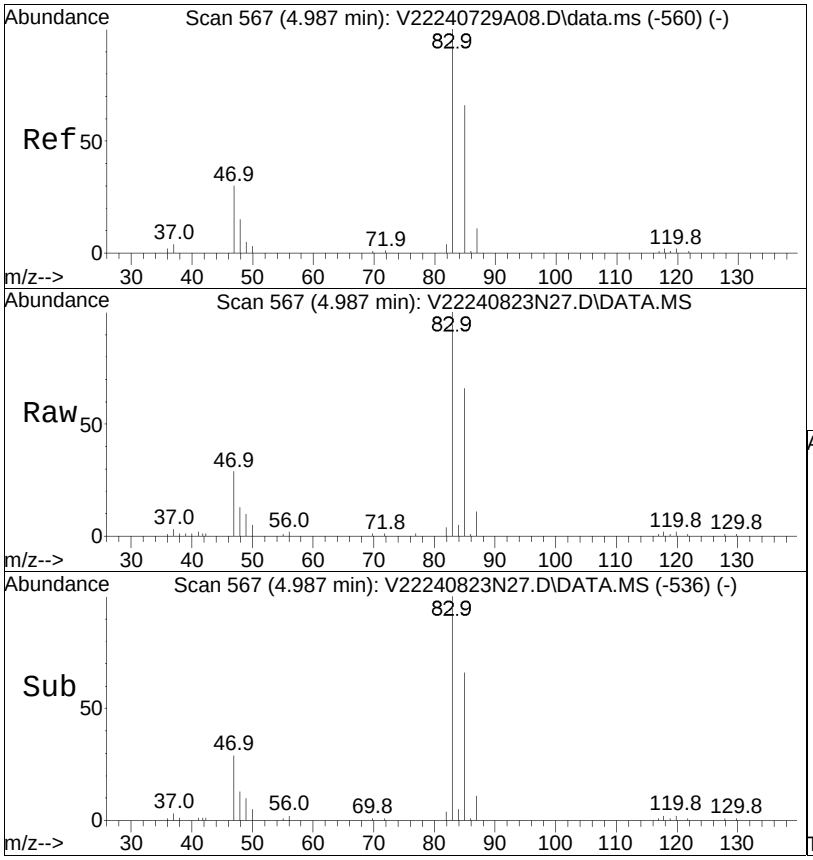


#33
Cyclohexane
Concen: 11.80 ug/L
RT: 4.928 min Scan# 558
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 56 Resp: 213471

Ion	Ratio	Lower	Upper
56	100		
84	65.5	66.0	137.2#

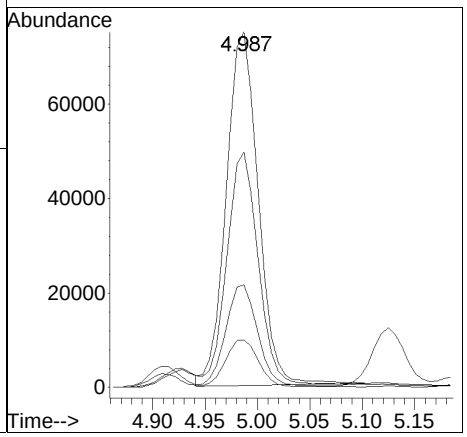


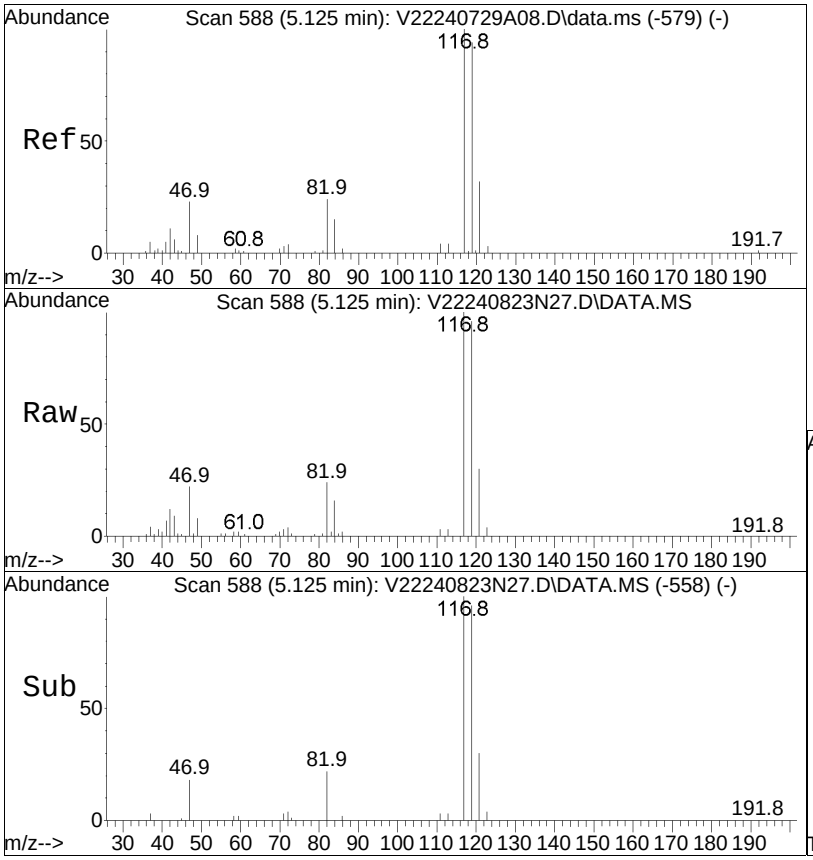


#34
Chloroform
Concen: 10.31 ug/L
RT: 4.987 min Scan# 567
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 83 Resp: 159147

Ion	Ratio	Lower	Upper
83	100		
85	65.1	42.4	88.2
47	28.1	14.0	29.0
48	14.2	6.9	14.3

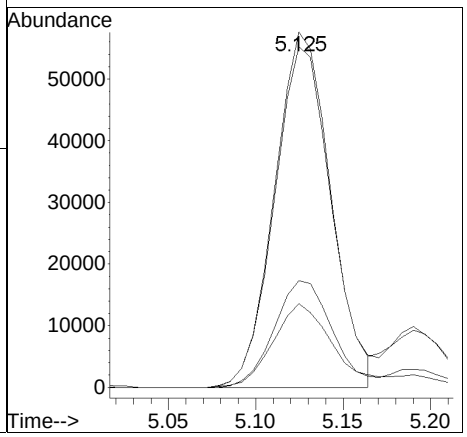


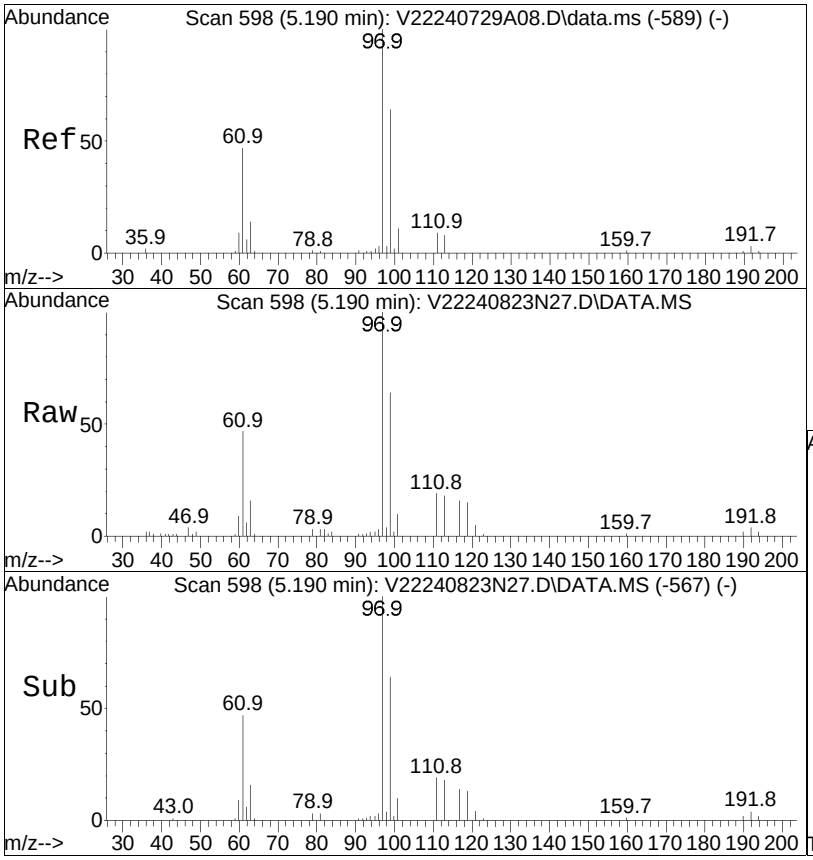


#36
Carbon tetrachloride
Concen: 11.58 ug/L
RT: 5.125 min Scan# 588
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:117 Resp: 129028

Ion	Ratio	Lower	Upper
117	100		
119	98.4	62.1	129.1
121	31.3	20.3	42.3
82	25.4	15.4	32.0

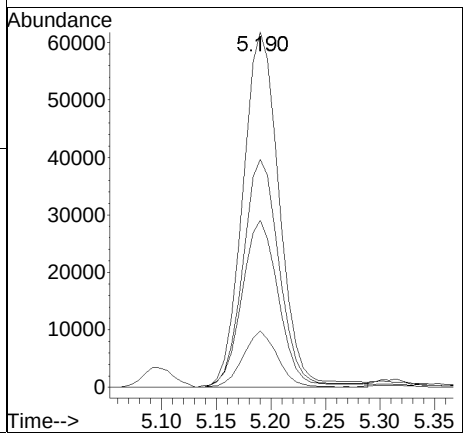


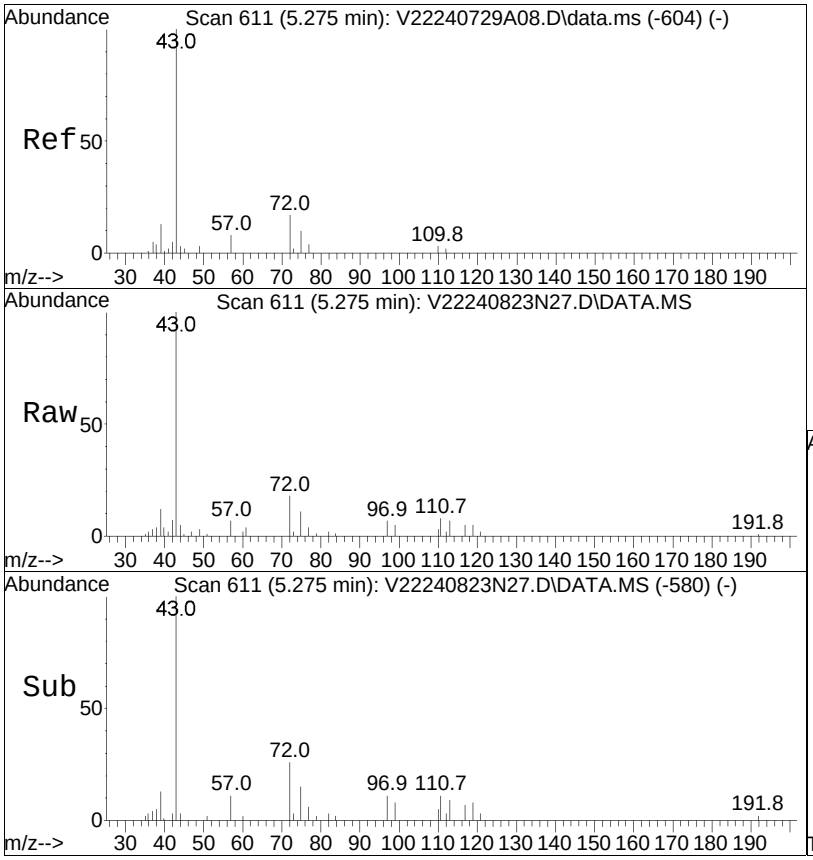


#39
1,1,1-Trichloroethane
Concen: 11.12 ug/L
RT: 5.190 min Scan# 598
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 97 Resp: 144779

Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.4	88.0
61	47.3	26.0	54.0
63	15.0	8.3	17.3

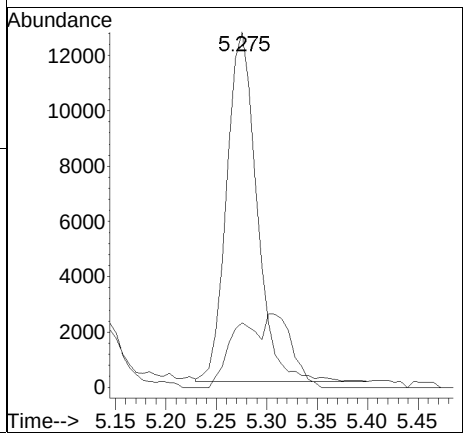


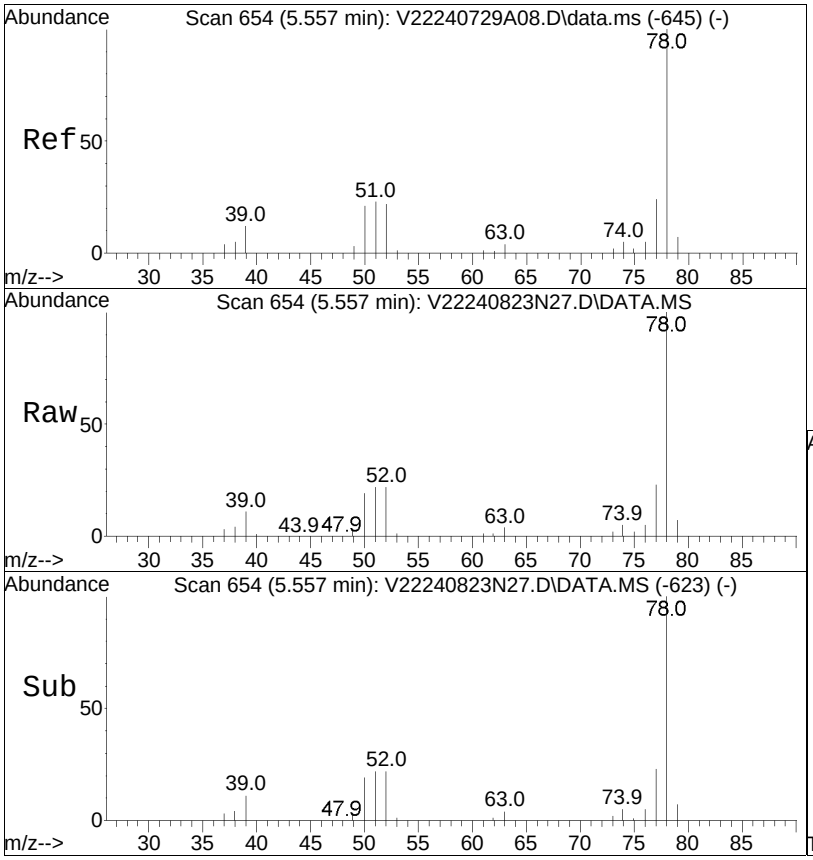


#41
2-Butanone
Concen: 10.41 ug/L
RT: 5.275 min Scan# 611
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 43 Resp: 26405

Ion	Ratio	Lower	Upper
43	100		
72	19.6	45.8	68.8#

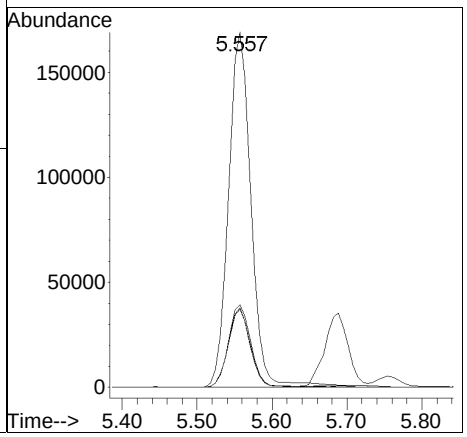


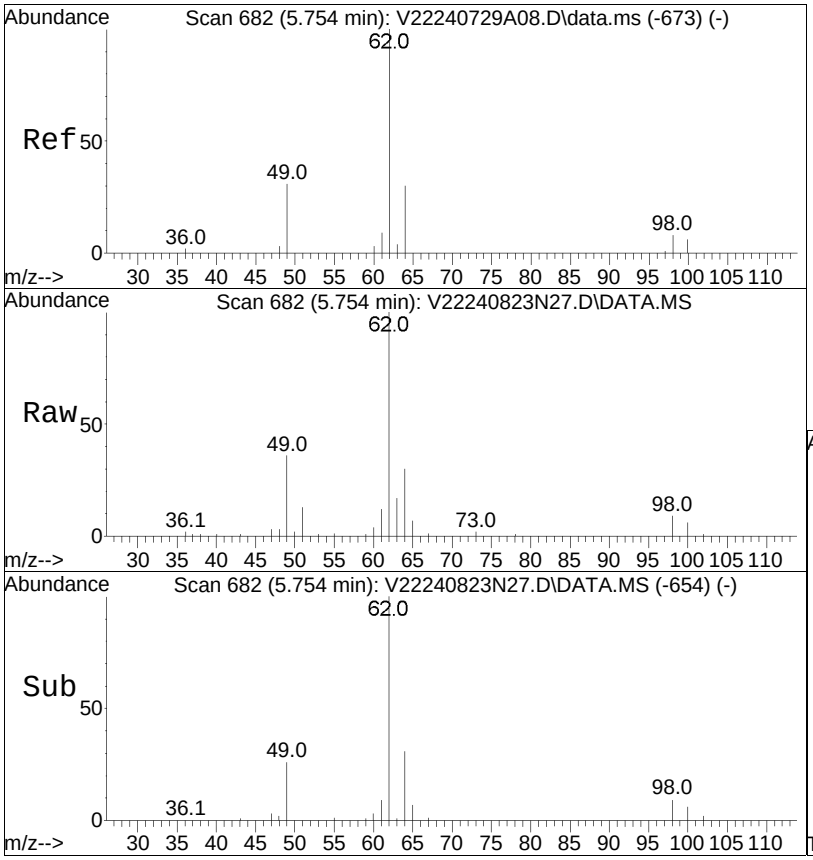


#44
Benzene
Concen: 11.00 ug/L
RT: 5.557 min Scan# 654
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 78 Resp: 375946

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.4	32.0
51	20.4	9.8	20.4#
52	20.6	9.2	19.2#

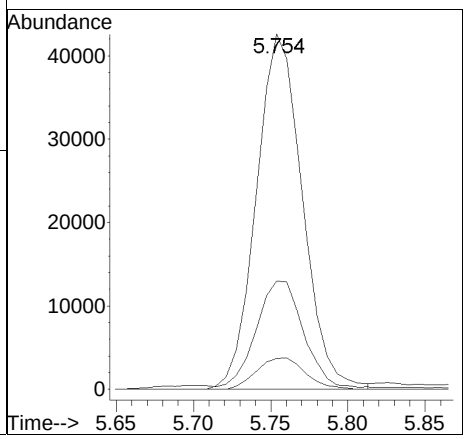


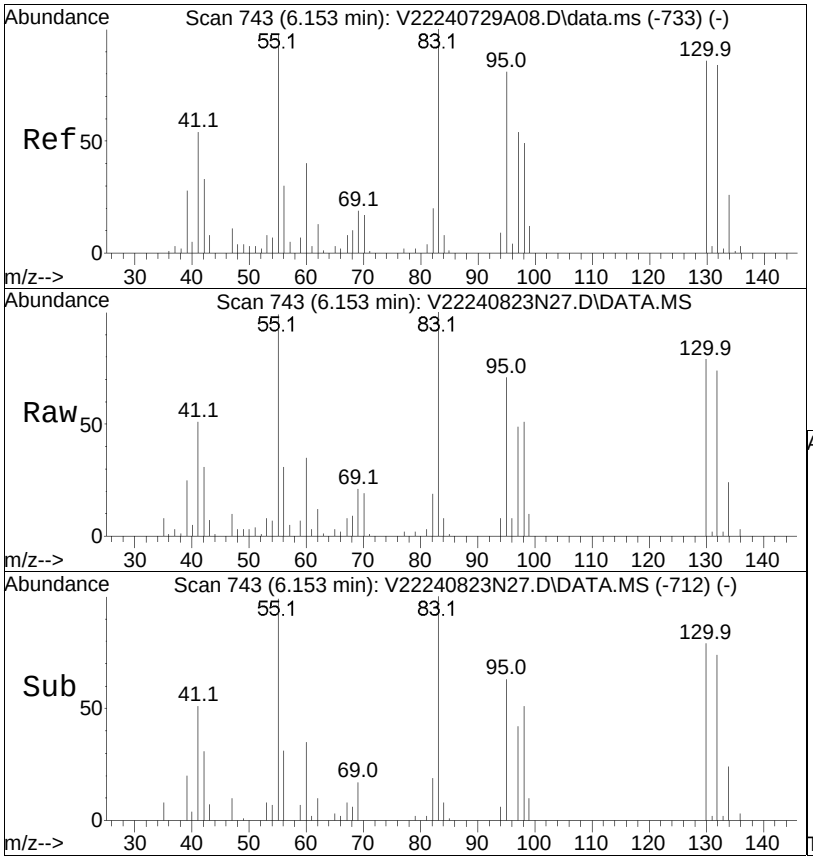


#47
1,2-Dichloroethane
Concen: 10.36 ug/L
RT: 5.754 min Scan# 682
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 62 Resp: 88504

Ion	Ratio	Lower	Upper
62	100		
64	30.7	12.3	52.3
98	9.4	0.0	30.3

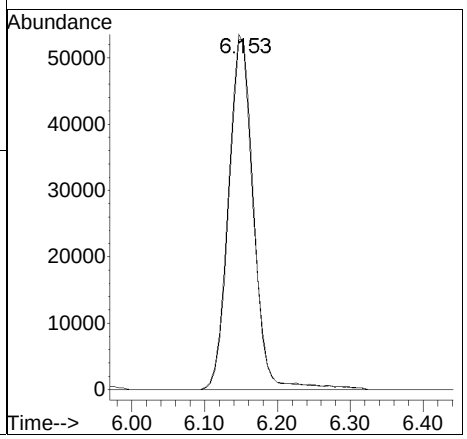


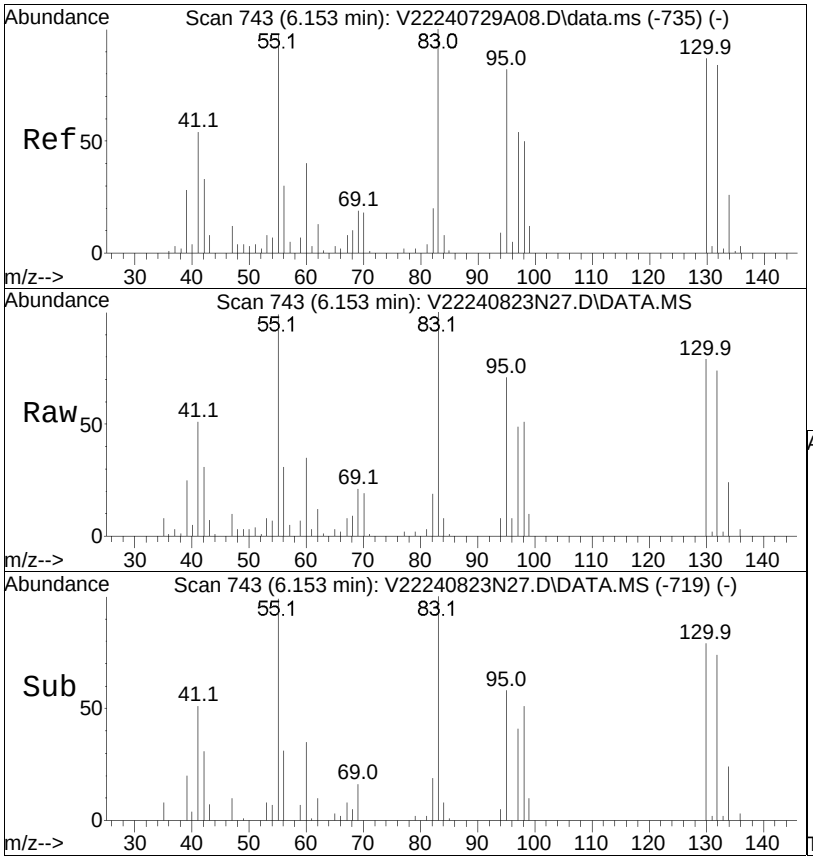


#50
Methyl cyclohexane
Concen: 11.18 ug/L
RT: 6.153 min Scan# 743
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 83 Resp: 125910

Ion	Ratio	Lower	Upper
83	100		
55	100.6	55.4	83.2#

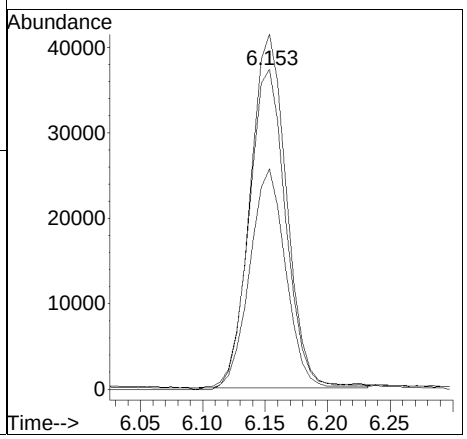


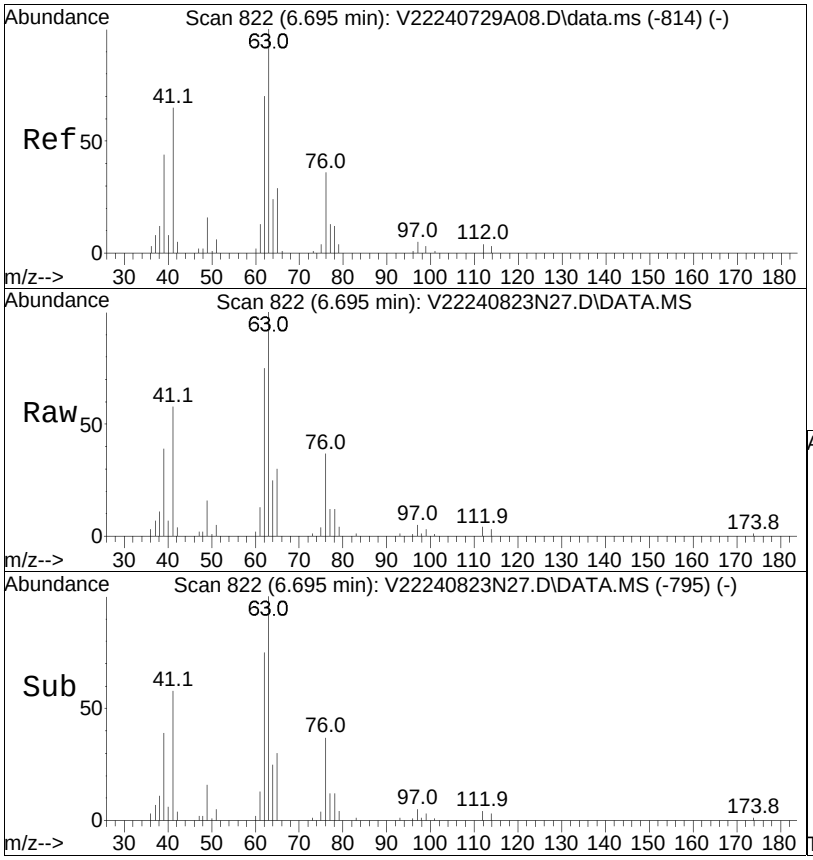


#51
Trichloroethene
Concen: 10.50 ug/L
RT: 6.153 min Scan# 743
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 95 Resp: 76331

Ion	Ratio	Lower	Upper
95	100		
97	68.5	55.0	82.4
130	110.7	89.2	133.8

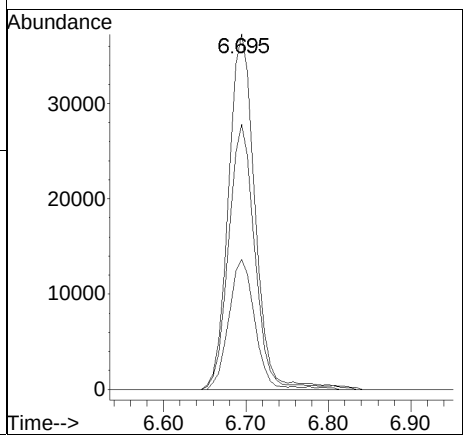


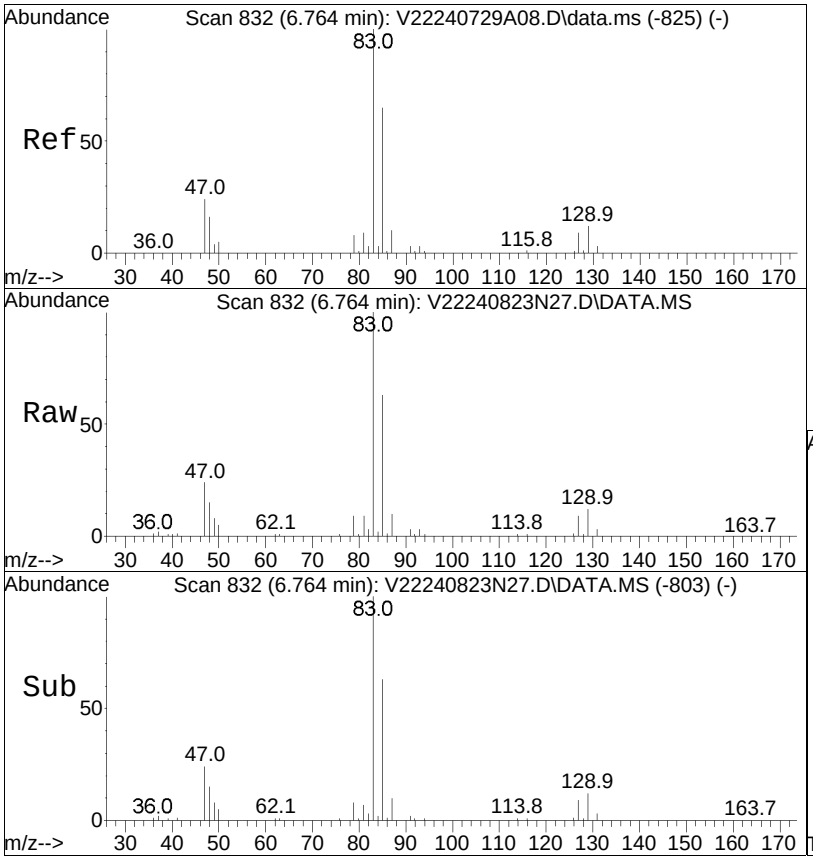


#54
1,2-Dichloropropane
Concen: 10.96 ug/L
RT: 6.695 min Scan# 822
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 63 Resp: 83648

Ion	Ratio	Lower	Upper
63	100		
62	74.1	56.9	85.3
76	36.2	35.8	53.8

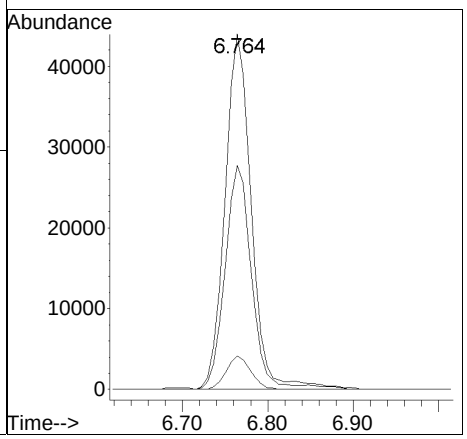


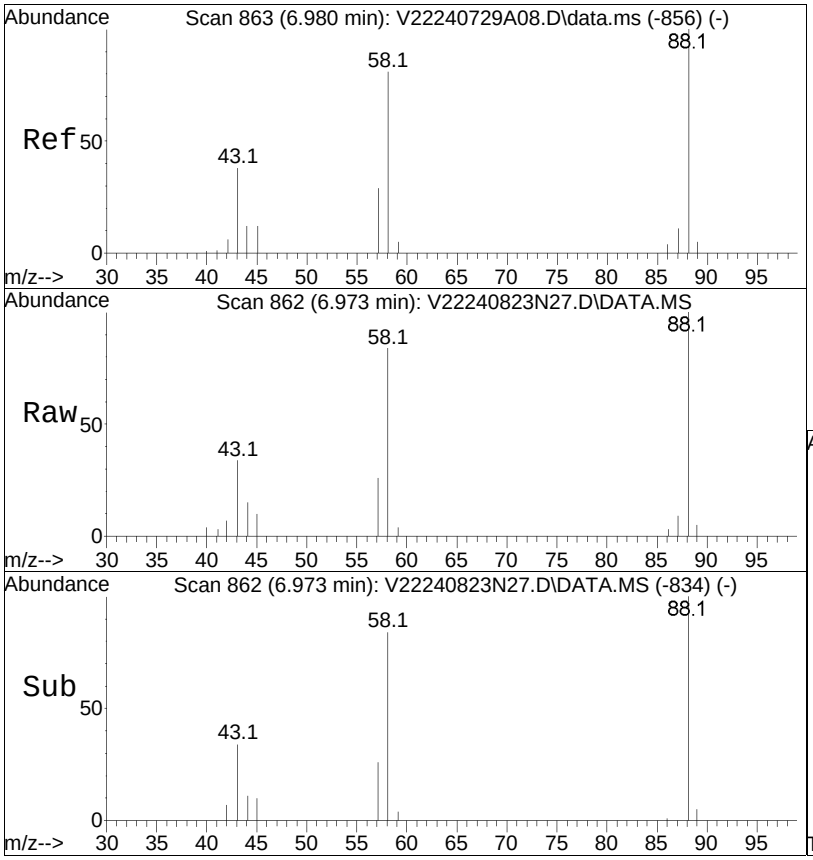


#57
Bromodichloromethane
Concen: 10.50 ug/L
RT: 6.764 min Scan# 832
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 83 Resp: 94599

Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.6	77.4
127	8.7	7.4	11.0

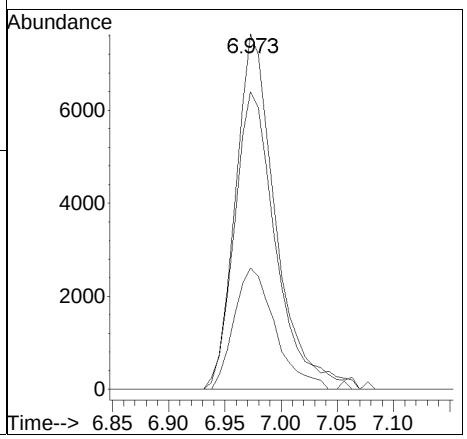


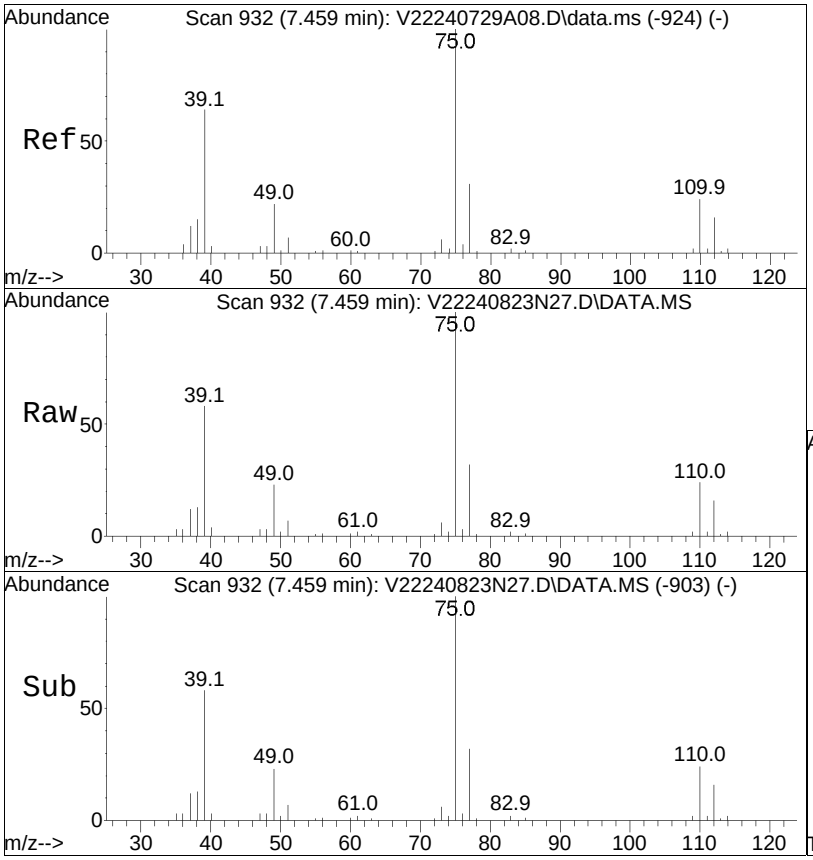


#60
1,4-Dioxane
Concen: 627.38 ug/L
RT: 6.973 min Scan# 862
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 88 Resp: 18894

Ion	Ratio	Lower	Upper
88	100		
58	87.8	43.3	64.9#
43	35.2	15.1	22.7#

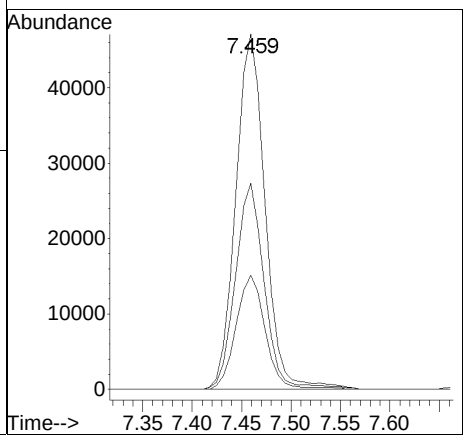


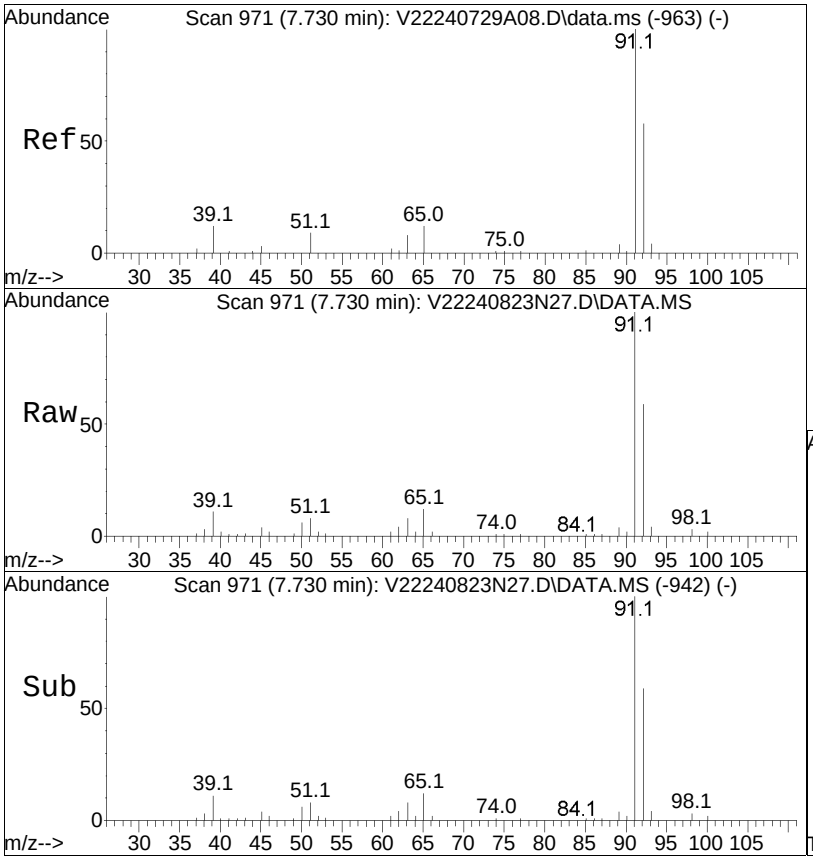


#61
cis-1,3-Dichloropropene
Concen: 10.48 ug/L
RT: 7.459 min Scan# 932
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 75 Resp: 97236

Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.6	38.4
39	57.2	35.4	53.0#

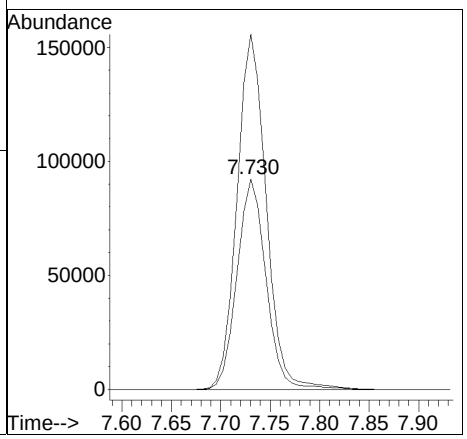


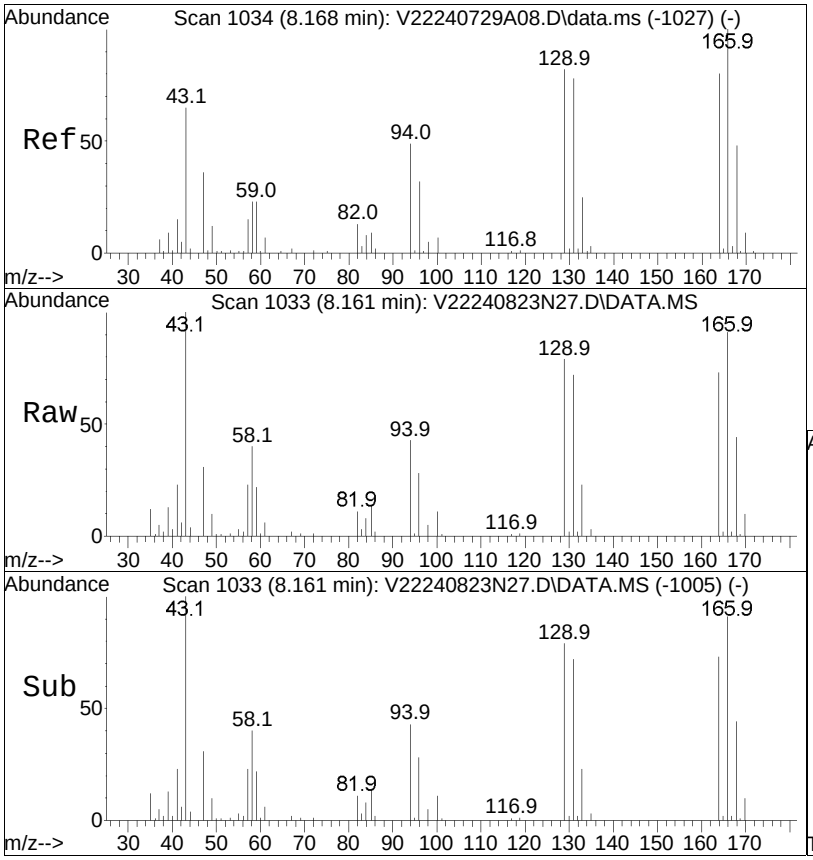


#64
Toluene
Concen: 10.56 ug/L
RT: 7.730 min Scan# 971
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 92 Resp: 188245

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.0	205.6

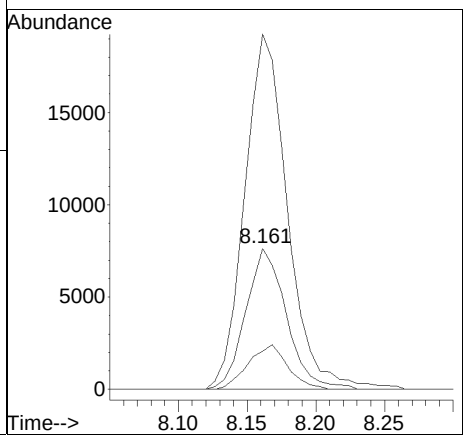


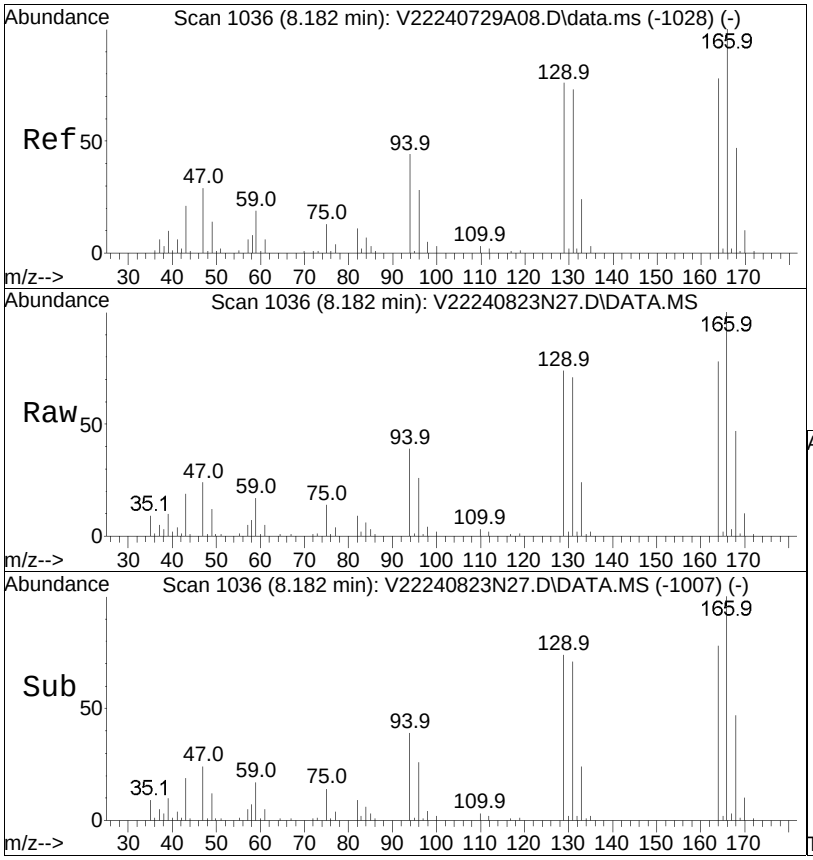


#65
4-Methyl-2-pentanone
Concen: 11.03 ug/L
RT: 8.161 min Scan# 1033
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 58 Resp: 15731

Ion	Ratio	Lower	Upper
58	100		
100	31.0	36.2	54.4#
43	265.9	181.8	272.8

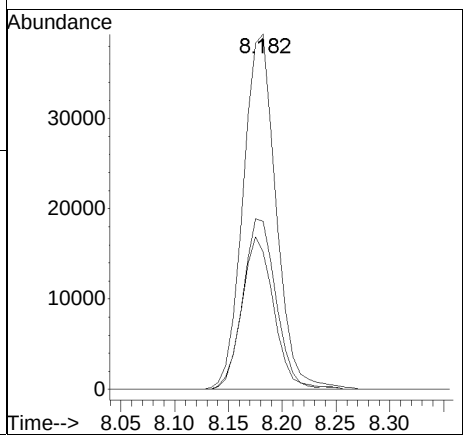


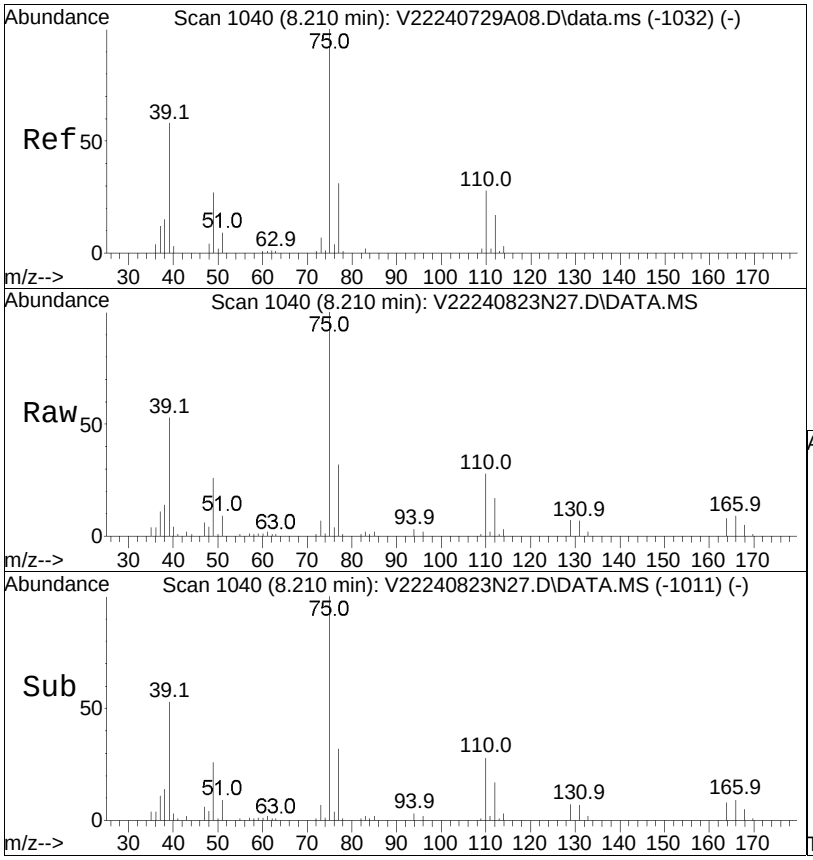


#66
Tetrachloroethene
Concen: 12.05 ug/L
RT: 8.182 min Scan# 1036
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:166 Resp: 84182

Ion	Ratio	Lower	Upper
166	100		
168	48.3	27.8	67.8
94	41.6	16.7	56.7

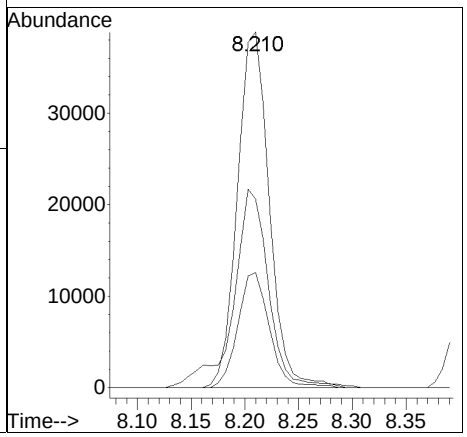


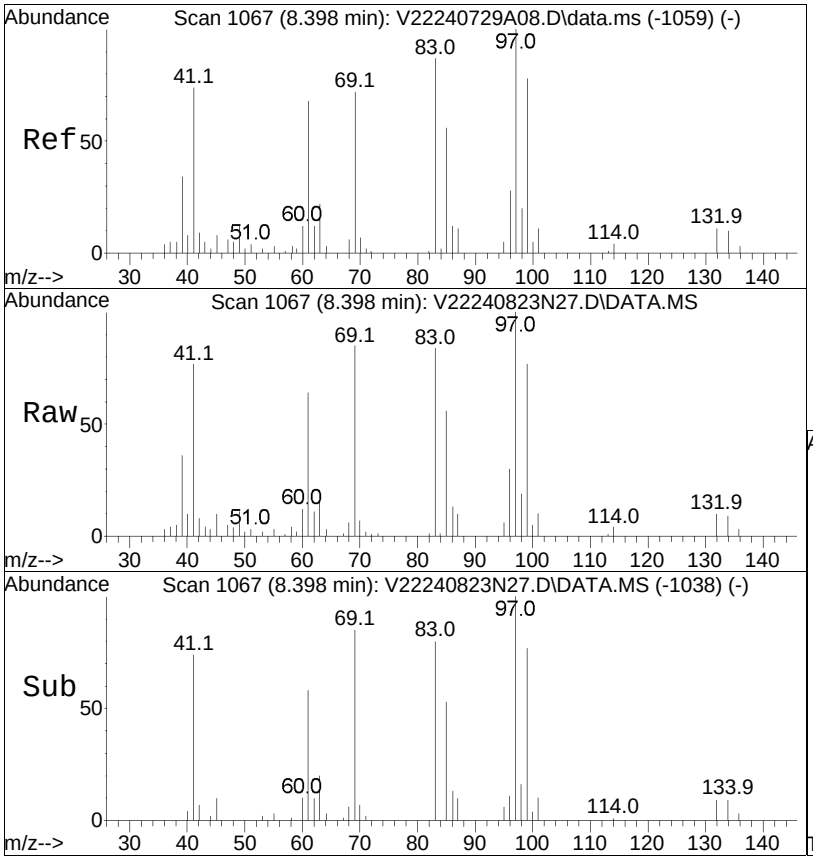


#68
trans-1,3-Dichloropropene
Concen: 9.06 ug/L
RT: 8.210 min Scan# 1040
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 75 Resp: 80212

Ion	Ratio	Lower	Upper
75	100		
77	31.8	11.9	51.9
39	60.9	27.4	67.4

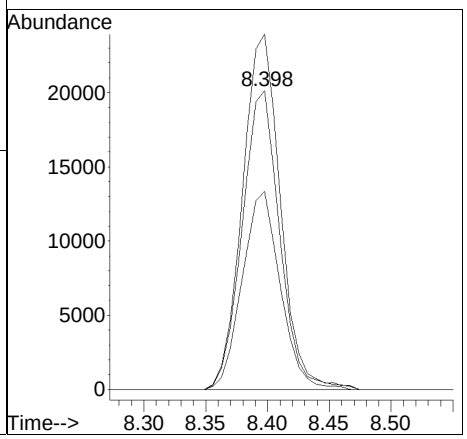


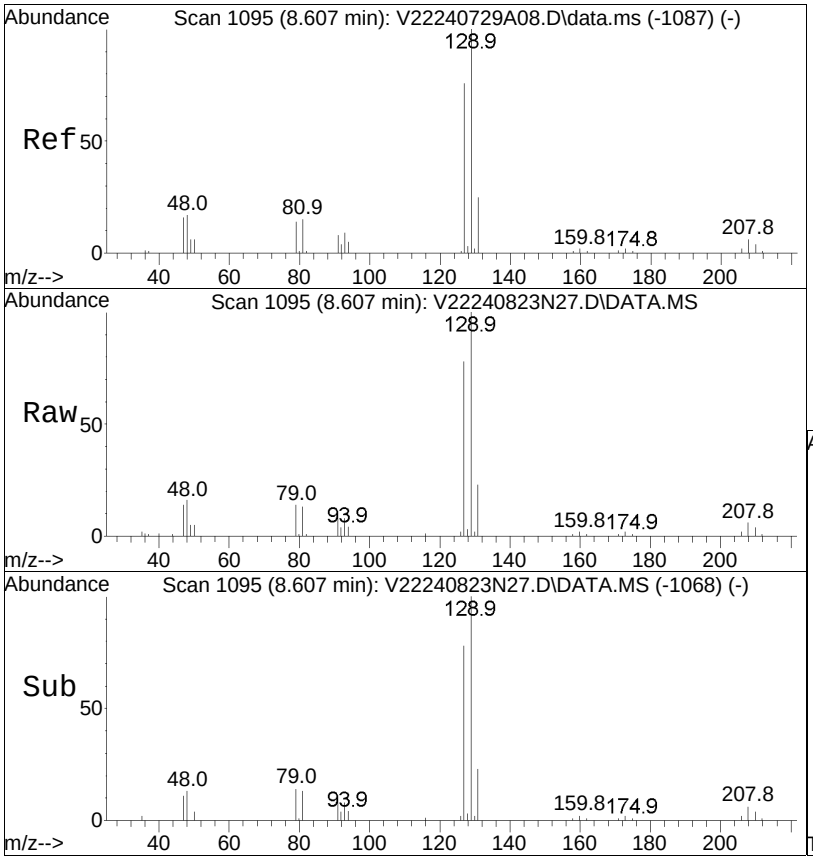


#71
1,1,2-Trichloroethane
Concen: 10.16 ug/L
RT: 8.398 min Scan# 1067
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 83 Resp: 42513

Ion	Ratio	Lower	Upper
83	100		
97	120.1	103.4	143.4
85	67.2	47.9	87.9

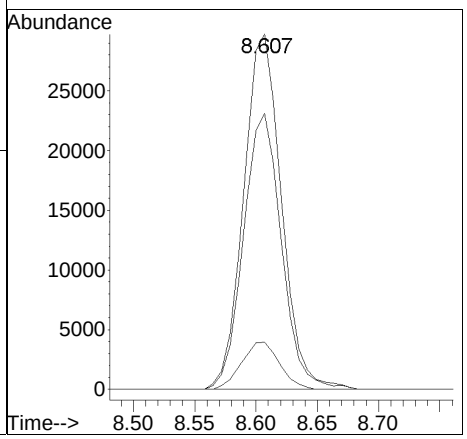


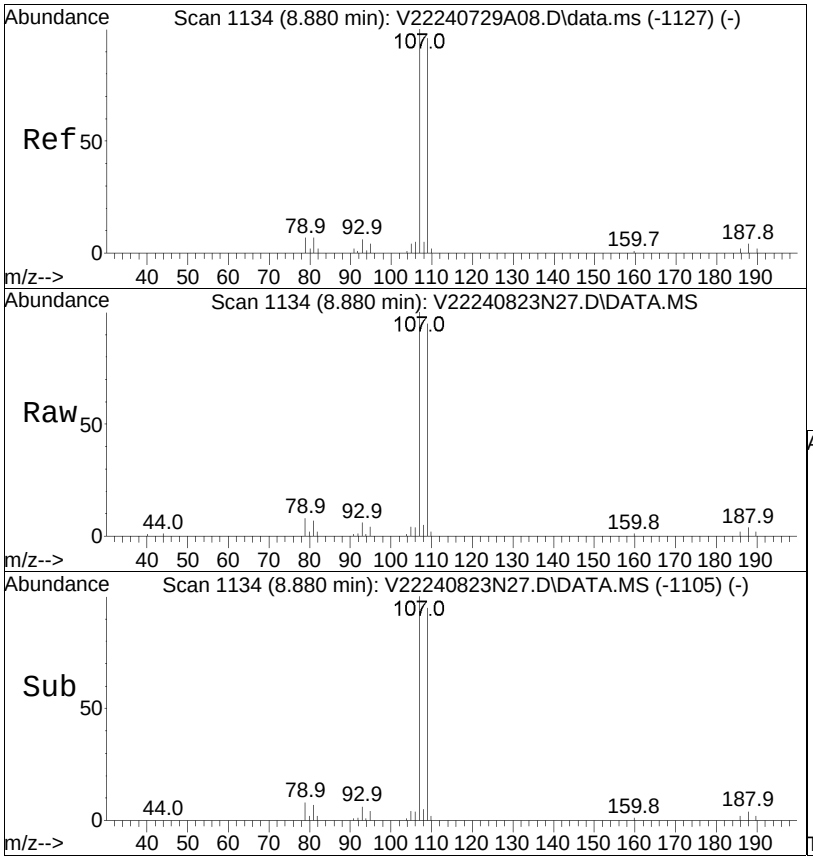


#72
Chlorodibromomethane
Concen: 9.45 ug/L
RT: 8.607 min Scan# 1095
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:129 Resp: 63893

Ion	Ratio	Lower	Upper
129	100		
81	13.4	0.0	33.8
127	77.9	57.1	97.1

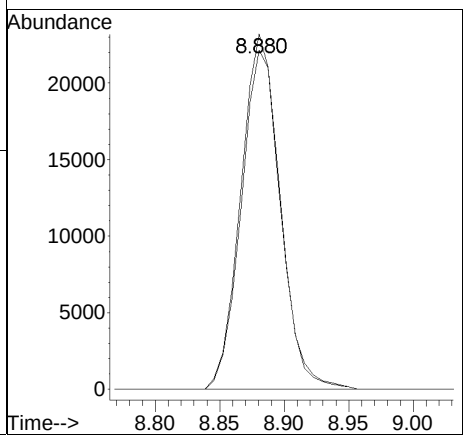


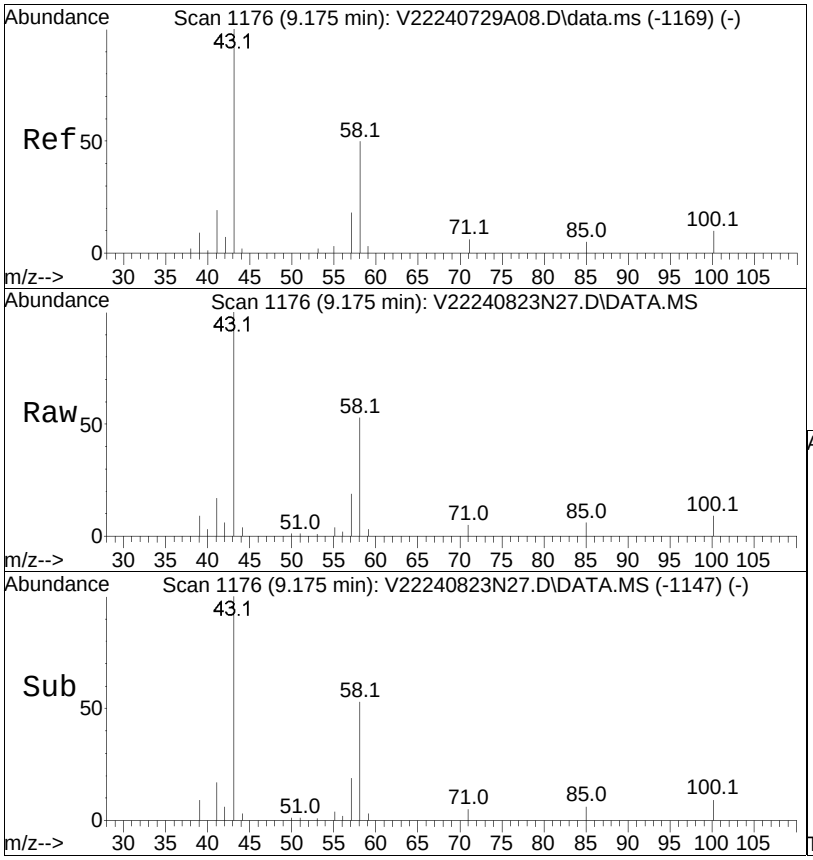


#74
1,2-Dibromoethane
Concen: 10.53 ug/L
RT: 8.880 min Scan# 1134
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:107 Resp: 49391

Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.1	112.7

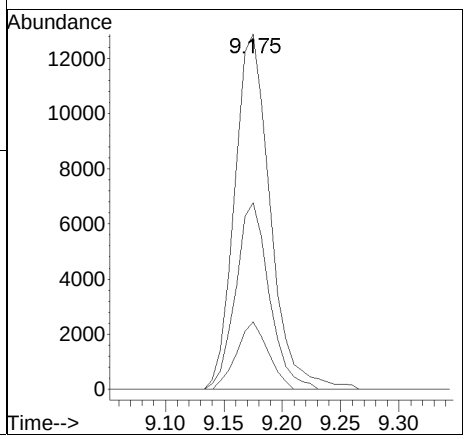


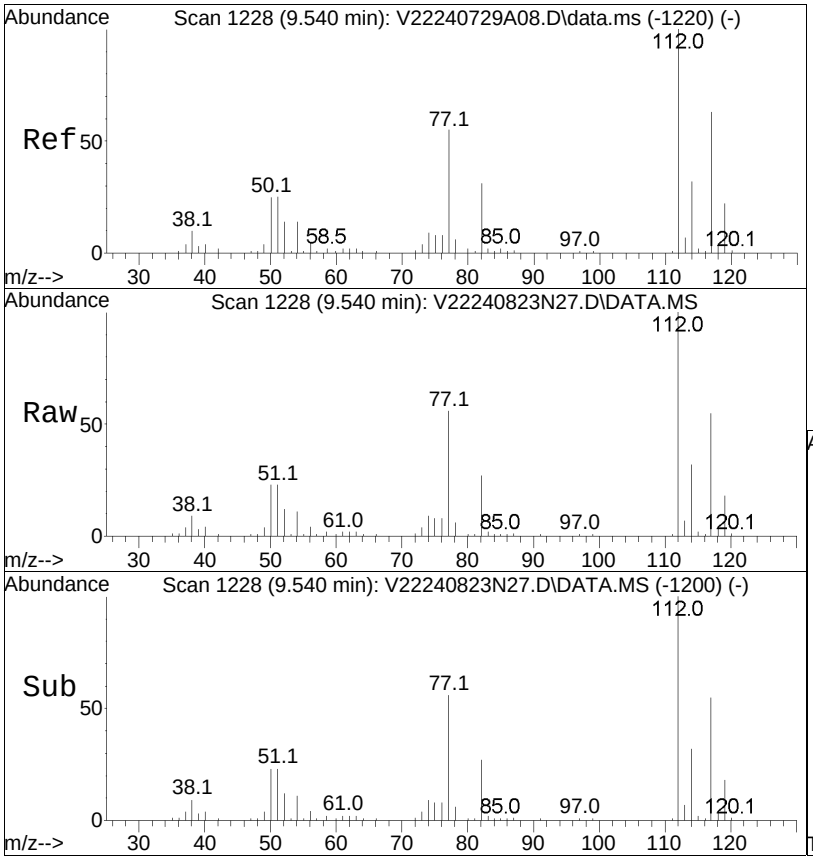


#76
2-Hexanone
Concen: 10.35 ug/L
RT: 9.175 min Scan# 1176
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 43 Resp: 27436

Ion	Ratio	Lower	Upper
43	100		
58	49.5	47.6	71.4
57	16.8	16.6	24.8

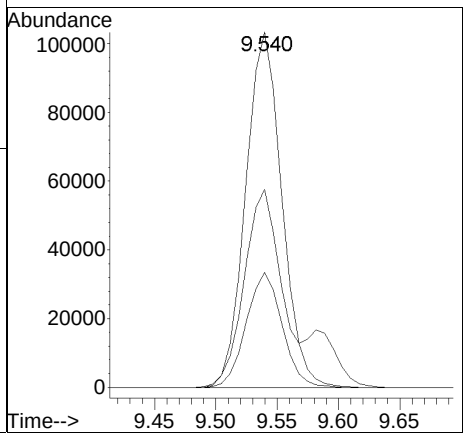


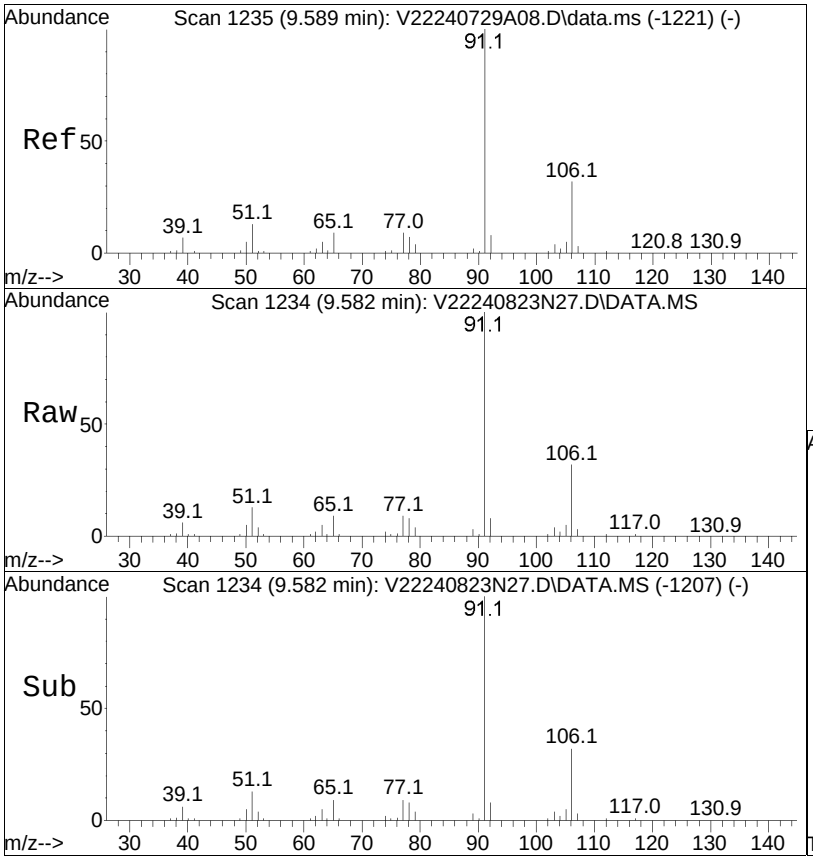


#77
Chlorobenzene
Concen: 10.50 ug/L
RT: 9.540 min Scan# 1228
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:112 Resp: 211985

Ion	Ratio	Lower	Upper
112	100		
77	56.9	55.4	83.0
114	32.1	26.2	39.4

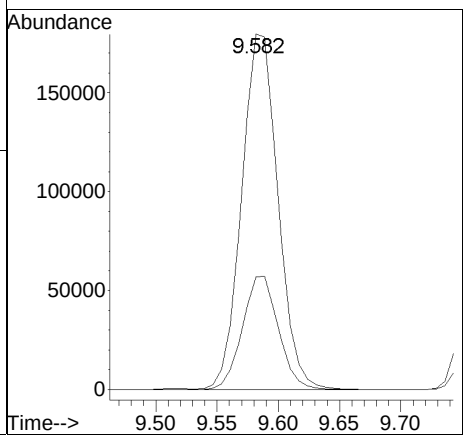


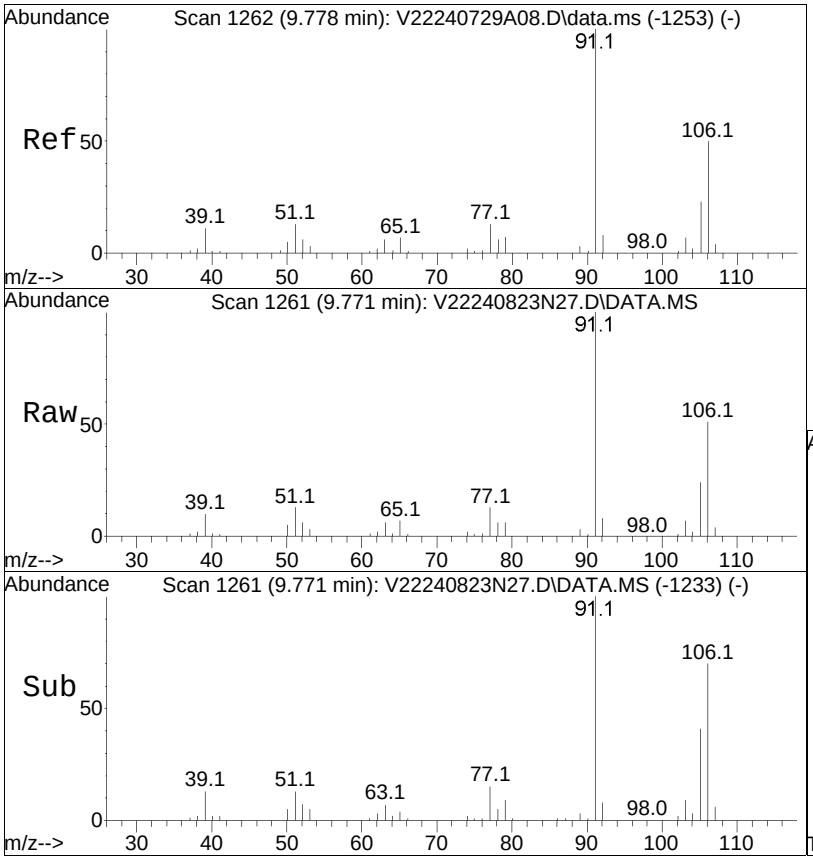


#78
Ethylbenzene
Concen: 11.00 ug/L
RT: 9.582 min Scan# 1234
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 91 Resp: 370244

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.6

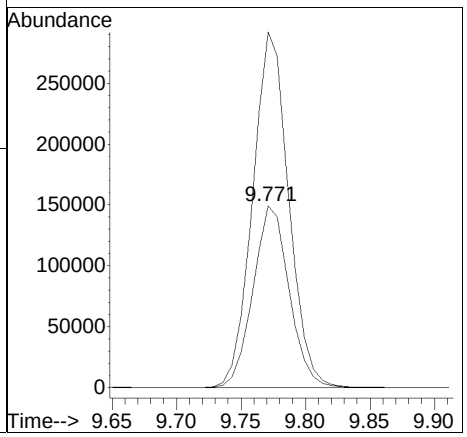


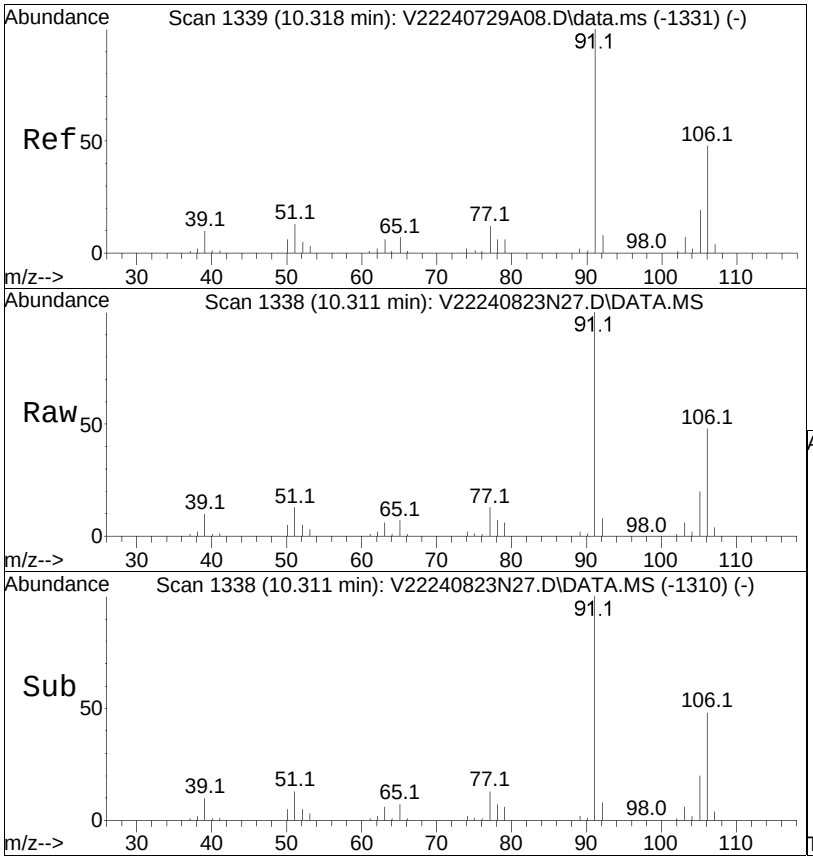


#80
p/m Xylene
Concen: 22.19 ug/L
RT: 9.771 min Scan# 1261
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:106 Resp: 289879

Ion	Ratio	Lower	Upper
106	100		
91	195.2	156.0	234.0

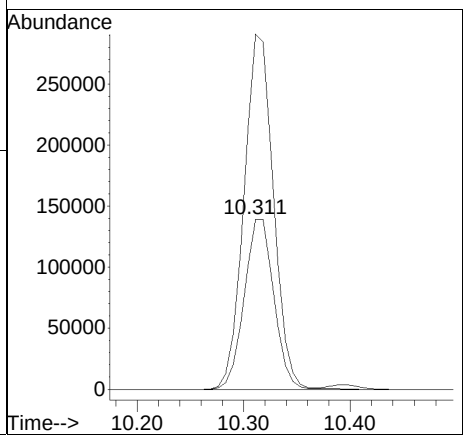


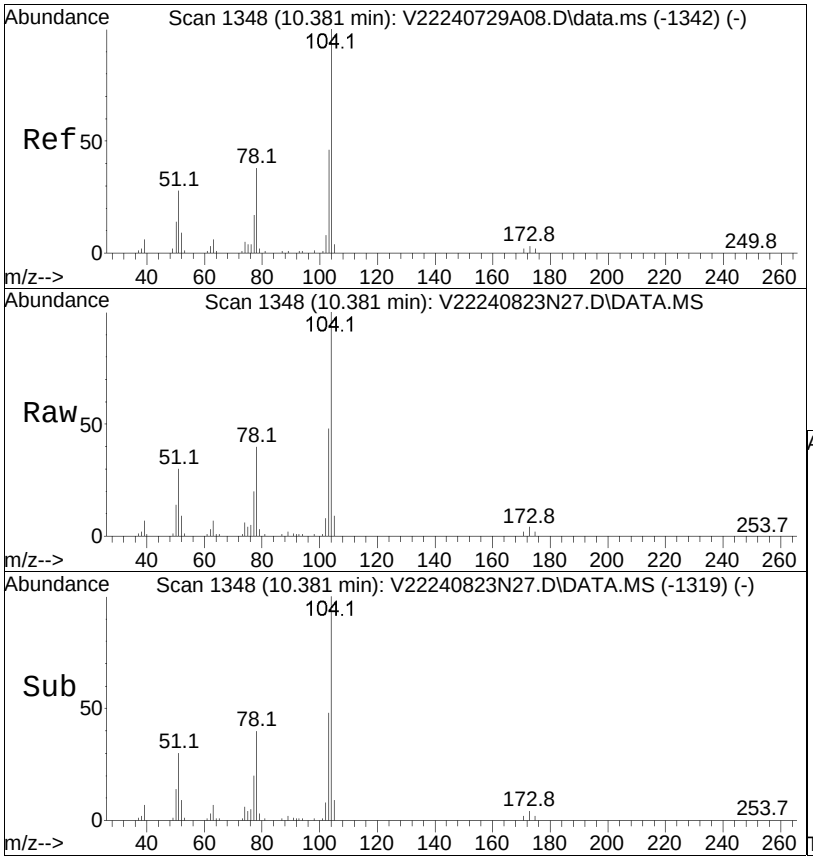


#81
o Xylene
Concen: 21.88 ug/L
RT: 10.311 min Scan# 1338
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:106 Resp: 270226

Ion	Ratio	Lower	Upper
106	100		
91	206.3	164.0	246.0

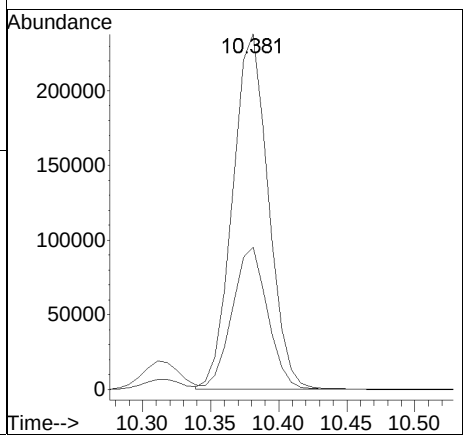


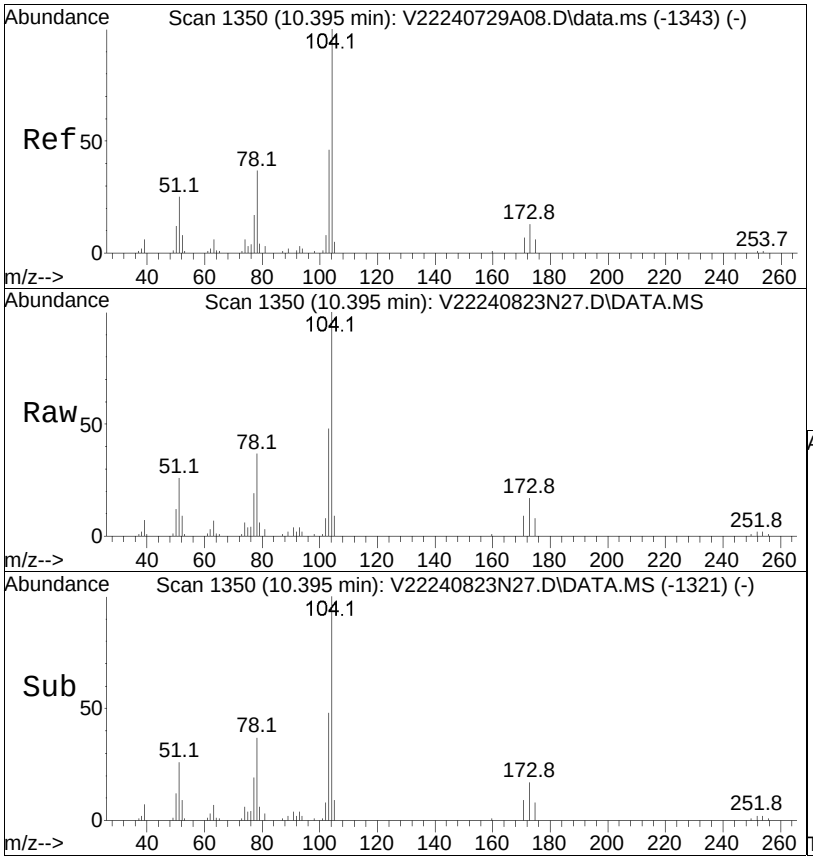


#82
Styrene
Concen: 21.83 ug/L
RT: 10.381 min Scan# 1348
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:104 Resp: 433660

Ion	Ratio	Lower	Upper
104	100		
78	39.6	32.1	48.1

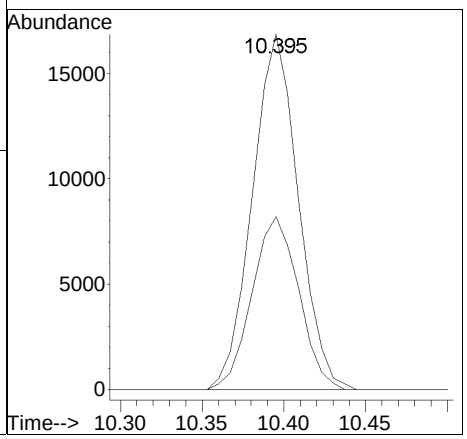


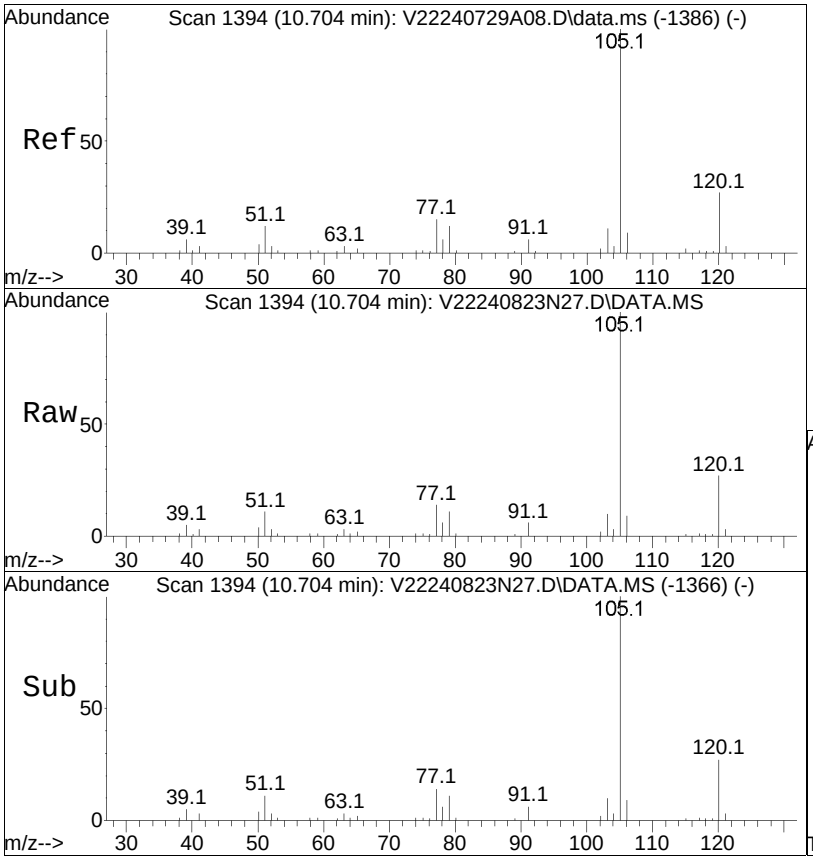


#84
Bromoform
Concen: 9.92 ug/L
RT: 10.395 min Scan# 1350
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:173 Resp: 32917

Ion	Ratio	Lower	Upper
173	100		
175	49.3	29.3	69.3

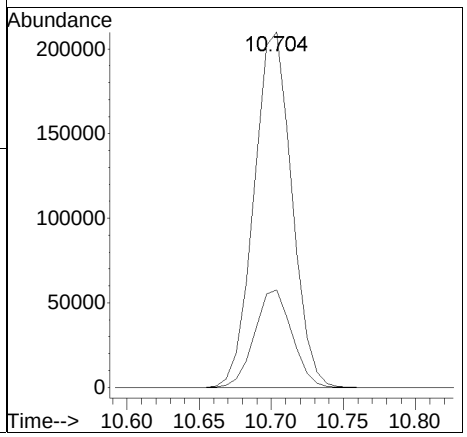


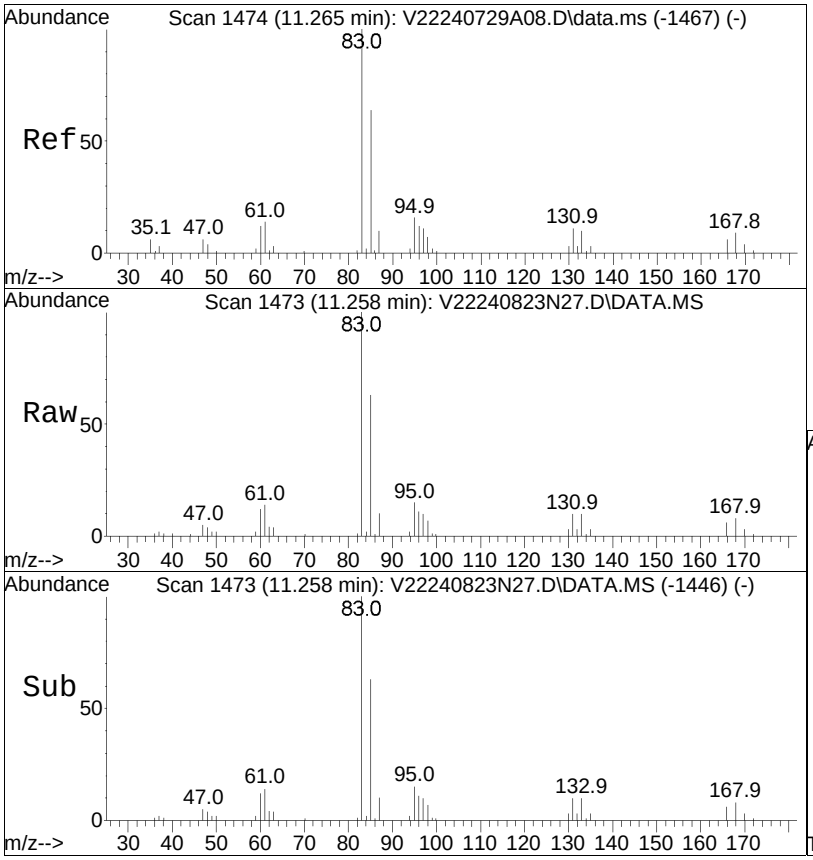


#86
Isopropylbenzene
Concen: 11.16 ug/L
RT: 10.704 min Scan# 1394
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:105 Resp: 381820

Ion	Ratio	Lower	Upper
105	100		
120	27.2	7.7	47.7

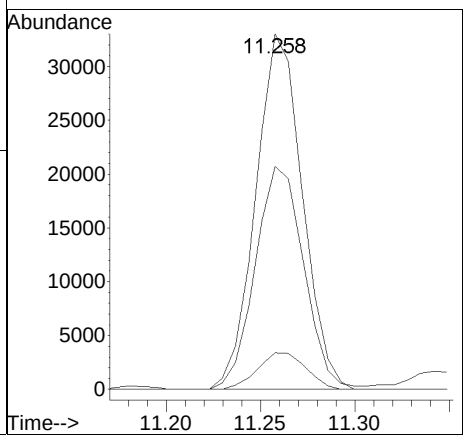


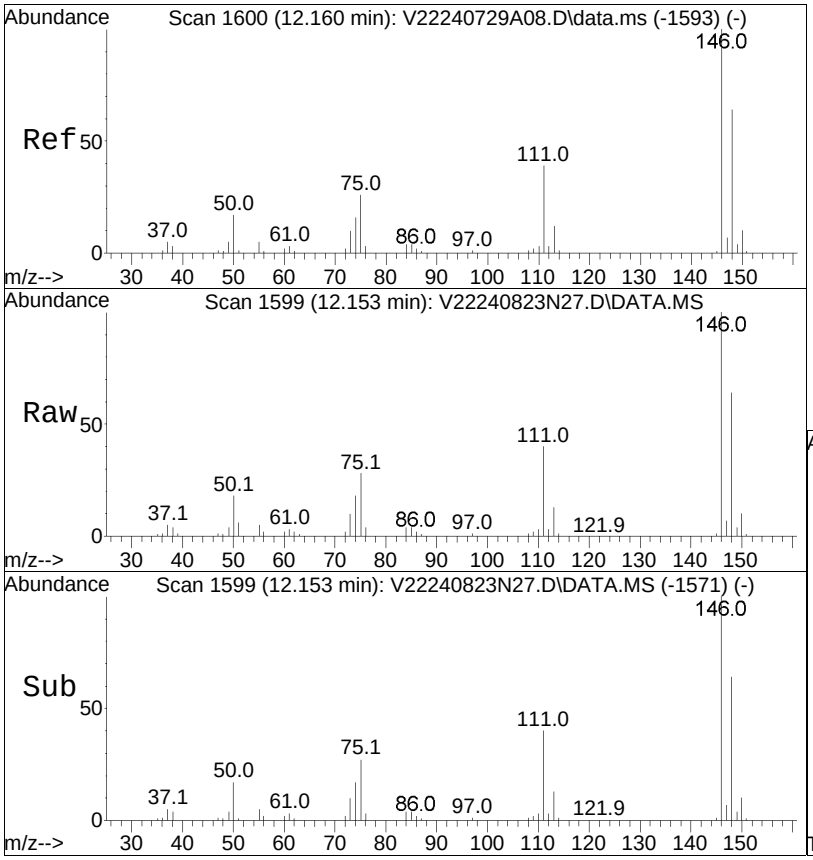


#91
1,1,2,2-Tetrachloroethane
Concen: 10.16 ug/L
RT: 11.258 min Scan# 1473
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion: 83 Resp: 56849

Ion	Ratio	Lower	Upper
83	100		
131	10.7	0.0	30.8
85	65.4	45.4	85.4

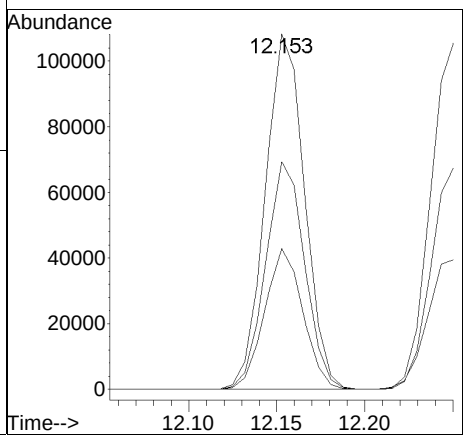


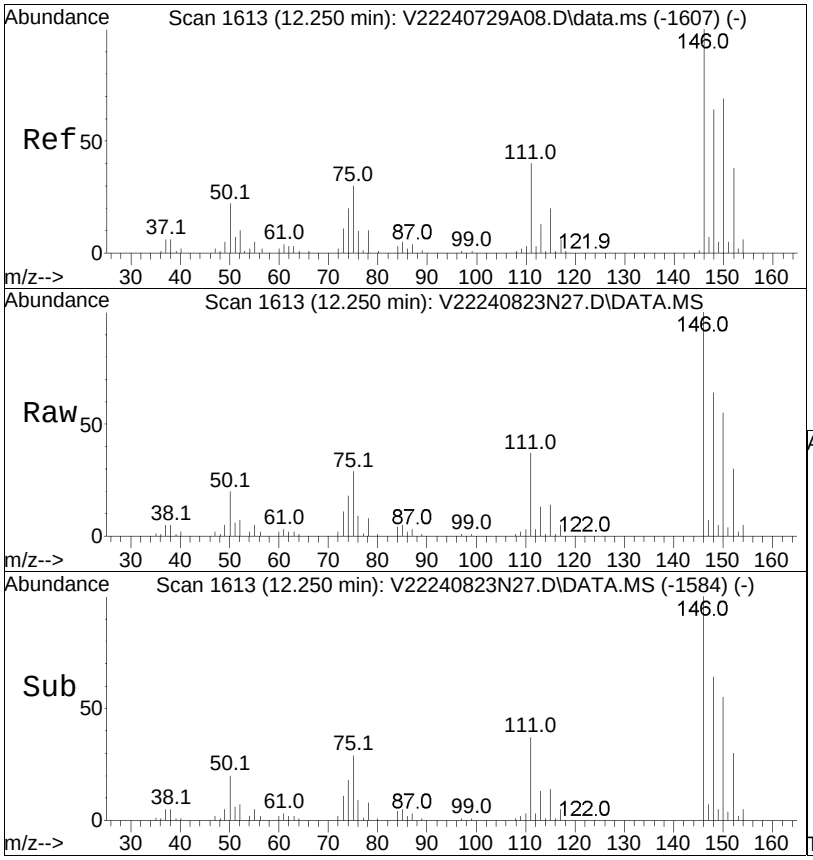


#104
1,3-Dichlorobenzene
Concen: 10.53 ug/L
RT: 12.153 min Scan# 1599
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:146 Resp: 168008

Ion	Ratio	Lower	Upper
146	100		
111	38.6	24.0	49.8
148	63.6	41.8	86.8

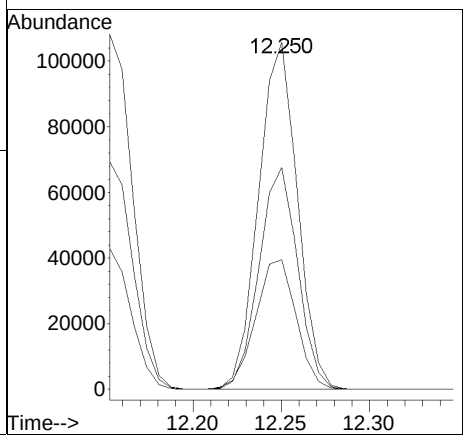


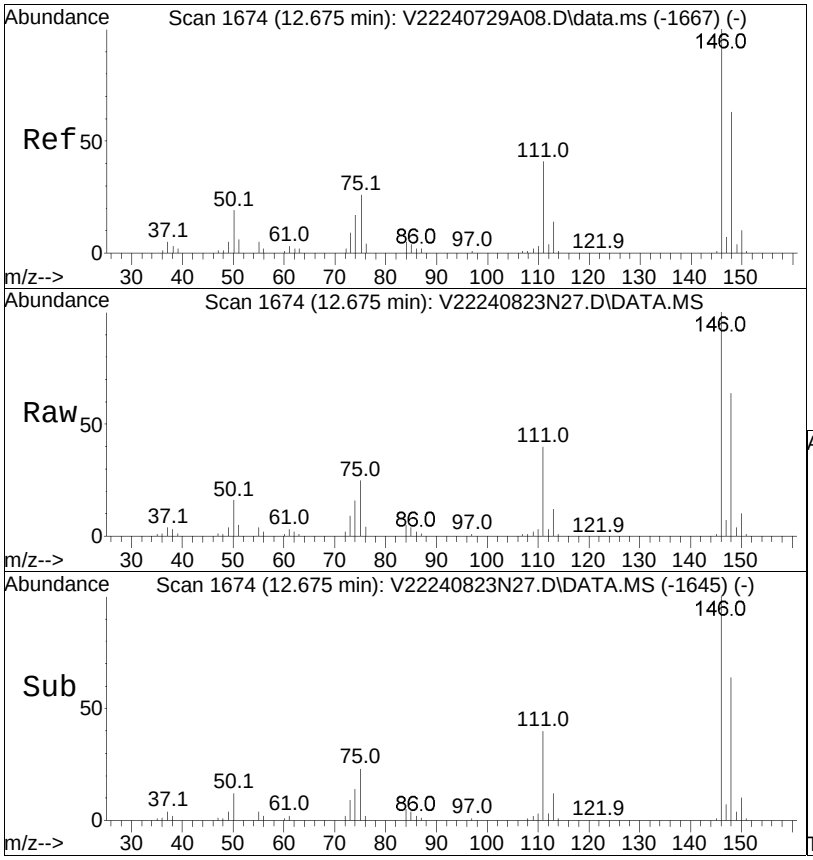


#105
1,4-Dichlorobenzene
Concen: 10.23 ug/L
RT: 12.250 min Scan# 1613
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:146 Resp: 162017

Ion	Ratio	Lower	Upper
146	100		
111	39.3	28.9	43.3
148	63.8	51.4	77.2

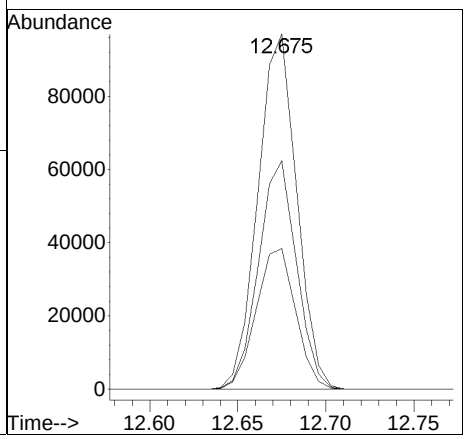


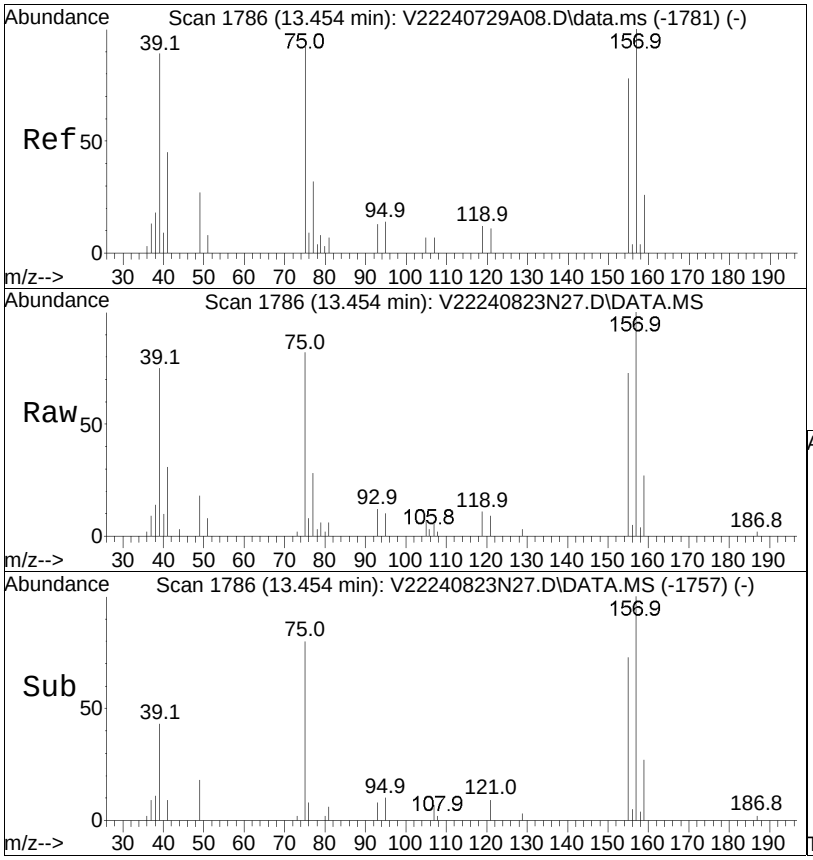


#108
1,2-Dichlorobenzene
Concen: 10.54 ug/L
RT: 12.675 min Scan# 1674
Delta R.T. -0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:146 Resp: 148774

Ion	Ratio	Lower	Upper
146	100		
111	40.6	24.8	51.6
148	63.1	42.2	87.6

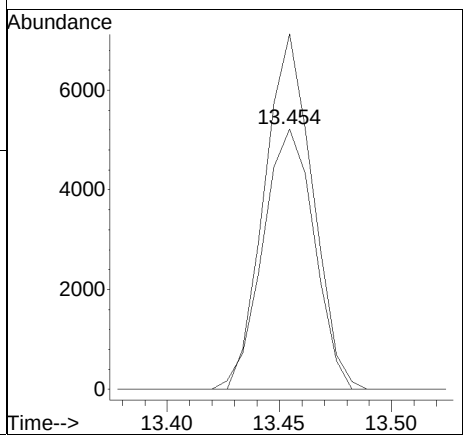


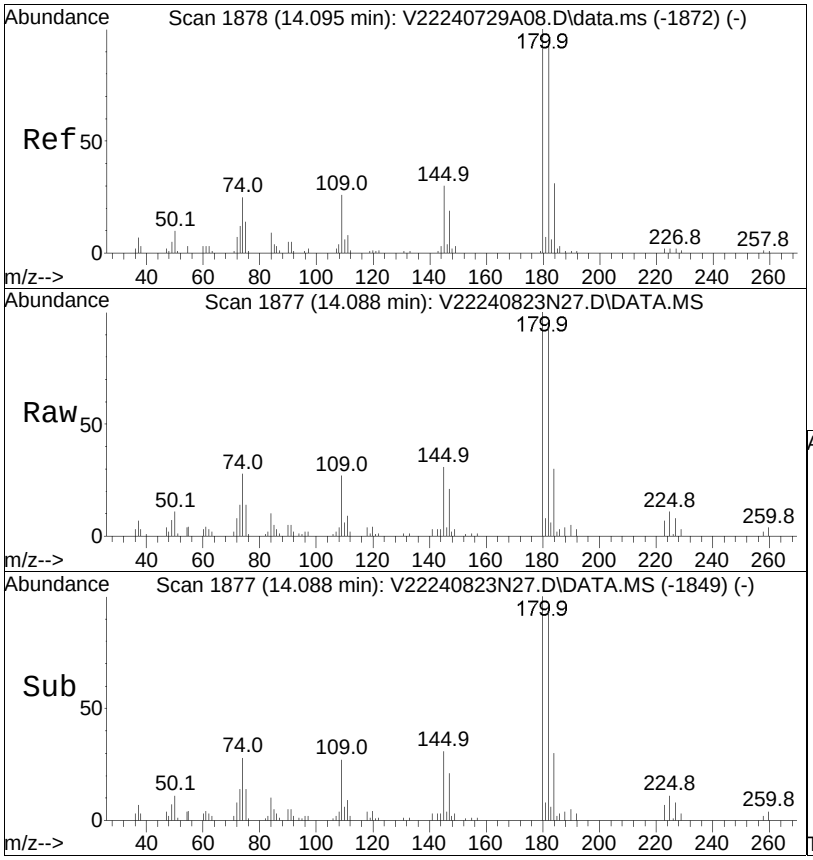


#110
1,2-Dibromo-3-chloropropane
Concen: 9.89 ug/L
RT: 13.454 min Scan# 1786
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:155 Resp: 8322

Ion	Ratio	Lower	Upper
155	100		
157	127.7	102.3	153.5

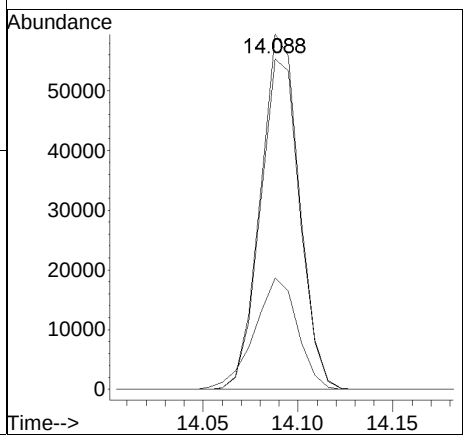


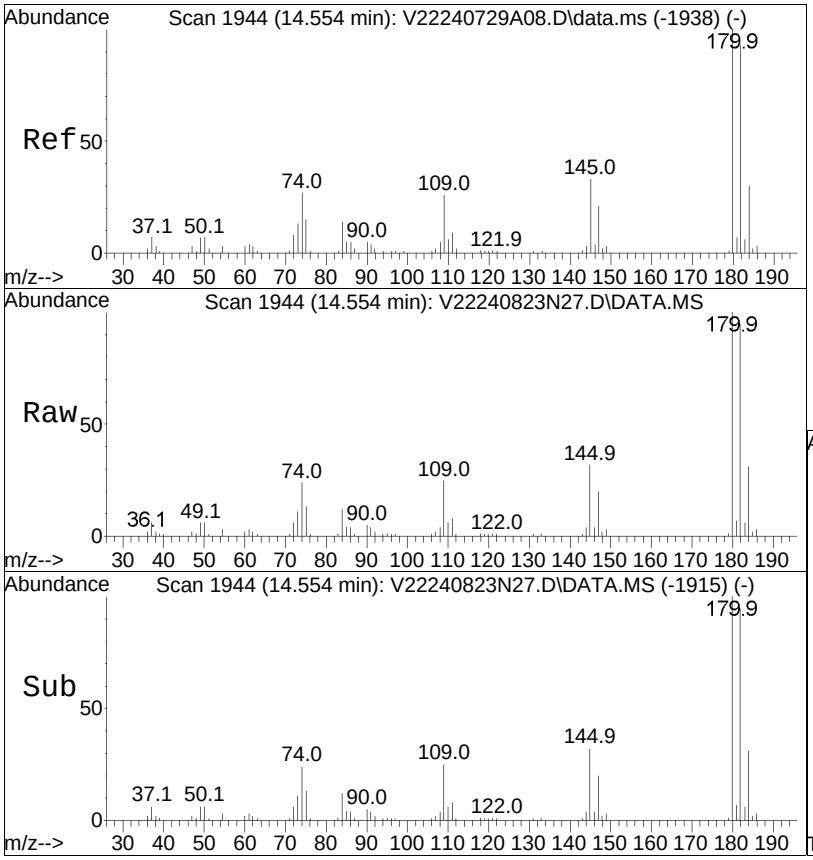


#113
1,2,4-Trichlorobenzene
Concen: 10.84 ug/L
RT: 14.088 min Scan# 1877
Delta R.T. -0.007 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:180 Resp: 84822

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.6	114.8
145	34.8	25.5	38.3

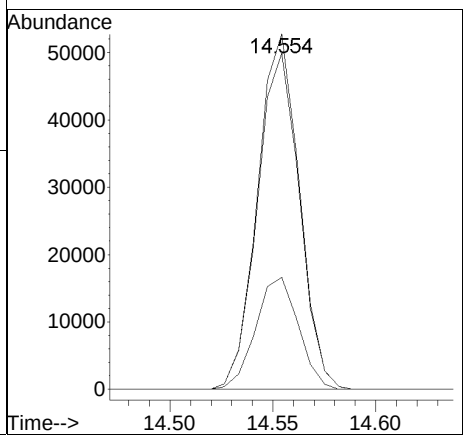




#115
1,2,3-Trichlorobenzene
Concen: 11.18 ug/L
RT: 14.554 min Scan# 1944
Delta R.T. 0.000 min
Lab File: V22240823N27.D
Acq: 24 Aug 2024 02:54 am

Tgt Ion:180 Resp: 74315

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
145	32.3	23.8	35.8



Manual Integration Report

Data Path	: K:\VOA122\2024\240823N\	QMethod	: V122_240729A_8260.m
Data File	: V22240823N27.D	Operator	: VOA122:MAG
Date Inj'd	: 8/24/2024 2:54 am	Instrument	: VOA 122
Sample	: WG1963652-7,31,10,10,,A2	Quant Date	: 8/25/2024 8:19 pm

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 10:04 am

Work Group: WG1963652 for Department: 31 GC/MS - Volatiles

Created: 25-AUG-24 Due: Operator: MAG

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-01	MW-1S	S	NYTCL-8260-R2	WATER	DONE	U		0902 0827	S0	Vial-B
L2447503-02	MW-2S	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447503-03	MW-3S	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447503-04	MW-4D	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447503-05	MW-5S	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447503-06	MW-6D	S	NYTCL-8260-R2	WATER	DONE	U		0902 0827	S0	Vial-B
L2447503-07	MW-7S	S	NYTCL-8260-R2	WATER	DONE	U		0902 0827	S0	Vial-B
L2447503-08	MW-8S	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447503-09	DUP	S	NYTCL-8260-R2	WATER	DONE	U		0903 0827	S0	Vial-B
L2447622-01	001 RIVER DISCHARGE	S	NYTCL-8260-R2	WATER	SEC	U		0904 0828	S0	Vial-B
WG1963652-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963652-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DONE	U				

Comments:

WG1963652-4	WG1963652-3
WG1963652-6	L2447503-07
WG1963652-7	L2447503-07

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 10:04 am

Work Group: WG1963895 for Department: 31 GC/MS - Volatiles

Created: 26-AUG-24 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447470-02	MW-7A	S	NYTCL-8260	WATER	DONE	U	0903	0827	S0	Vial-B
L2447503-10	FIELD BLANK	S	NYTCL-8260-R2	WATER	DONE	U	0903	0827	S0	Vial-B
L2447503-11	EQUIPMENT BLANK	S	NYTCL-8260-R2	WATER	DONE	U	0903	0827	S0	Vial-B
L2447503-12	TRIP BLANK	S	NYTCL-8260-R2	WATER	DONE	U	0903	0827	S0	Vial-B
L2447818-01	MW-9A	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-02	MW-9B	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-03	PZ-14	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-04	MW-36B	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-05	MW-44A	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-07	MW-11C	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-08	FB240821	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-09	MW-11B	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-10	MW-11D	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-11	DUP240821	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447818-12	TRIP BLANK	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
L2447832-08	FB-01_20240821	S	NYTCL-8260	WATER	SEC	U	0904	0828	2F	Vial-B
L2447832-09	TB-01_20240821	S	NYTCL-8260	WATER	SEC	U	0904	0828	2F	Vial-B
L2447840-01	FB02A_082124	S	NYTCL-8260	WATER	SEC	U	0904	0828	S0	Vial-B
WG1963895-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963895-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG1963895-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG1963895-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG1963895-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1963895-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG1963895-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG1963895-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG1963895-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG1963895-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG1963895-4 WG1963895-3

Inst: Gonzo
Initials: RAW/LAC
Date: **07/12/24**
Run: **N**

BFB: V10509
IS/SS: V10528
ICAL: V10538,V10544A
ICV: V10539,V10500,V10501,V10527,V10541,V10540

Method
GC 8260_RTX_VMS
Autosampler: 8260water
Concentrator: 8260

QC: ____ Seq:

Vial	DATA FILE	SAMPLE	pH<2
1	VG240712PBF1	BFB TUNE	
1	VG240712PBF2	BFB TUNE	
2	VG240712PBF3	BFB TUNE	
3	VG240712P01	BLK	
4	VG240712P02	BLK	
5	VG240712P03	I8260STD0.19PPB	
6	VG240712P04	I8260STD0.19PPB	
7	VG240712P05	I8260STD0.5PPB	
8	VG240712P06	I8260STD0.5PPB	
9	VG240712P07	I8260STD2PPB	
10	VG240712P08	I8260STD10PPB	
11	VG240712P09	I8260STD30PPB	
12	VG240712P10	I8260STD80PPB	
13	VG240712P11	I8260STD120PPB	
14	VG240712P12	I8260STD200PPB	
15	VG240712P13	BLK	
16	VG240712P14	BLK	
17	VG240712P15	BLK	
18	VG240712P16	BLK	
19	VG240712P17	C8260STD10PPB	
20	VG240712P18	C8260STD10PPB	
21	VG240712P19	BLK	
22	VG240712P20	BLK	
23	VG240712P21	MDL 0.5PPB	
24	VG240712P22	MDL 0.5PPB	
25	VG240712P23	MDL 2PPB	
26	VG240712P24	MDL 2PPB	
27	VG240712P25	BLK	

Inst: VOA122 BFB: V10571 Method GC: 8260
Initials: PID IS/SS: V10570 Autosampler: 8260water
Date: **07/29/24** ICAL: V10572,V10561C Concentrator: 8260 v122
Run **A** ICV: V10539,V10563,V10564,V10527,V10541,V10540 QC:_____ Seq:_____

Vial	Data File	Sample	pH<2
1	V22240729ABF1	BFB TUNE 12:26	
1	V22240729A01	BLK	
2	V22240729A02	BLK	
3	V22240729A03	I8260STD0.19PPB	
4	V22240729A04	I8260STD0.5PPB	
5	V22240729A05	I8260STD0.5PPB	
6	V22240729A06	I8260STD2PPB	
7	V22240729A07	I8260STD2PPB	
8	V22240729A08	I8260STD10PPB	
9	V22240729A09	I8260STD30PPB	
10	V22240729A10	I8260STD80PPB	
11	V22240729A11	I8260STD120PPB	
12	V22240729A12	I8260STD200PPB	
13	V22240729A13	BLK	
14	V22240729A14	BLK	
15	V22240729A15	BLK	
16	V22240729A16	BLK	
17	V22240729A17	C8260STD10PPB	
18	V22240729A18	C8260STD10PPB	
19	V22240729A19	BLK	
20	V22240729A20	BLK	
21	V22240729A21	MDL METHOD BLK	
22	V22240729A22	MDL L1	
23	V22240729A23	MDL L1	
24	V22240729A24	MDL L2	
25	V22240729A25	MDL L2	
26	V22240729A26	BLK	

Inst: VOA122 BFB: V10618 Method
Initials: TMS IS/SS: V10605 GC: 8260
Date: **08/23/24** ICAL: V10594A,V10627 Autosampler: 8260water
Run **N** Concentrator: 8260 v122
QC:_____ Seq:_____

Vial	Data File	Sample			pH<2
1	V22240823NBF1	BFB TUNE			
1	V22240823N01	8260 CCAL	LCS		
2	V22240823N02	8260 CCAL	LCSD		
3	V22240823N03	8260 CCAL			
4	V22240823N04	BLK			
5	V22240823N05	METHOD BLK			
6	V22240823N06	L2447503-01,31,10,10,,A	NYR2		pH<2
7	V22240823N07	L2447503-02,31,10,10,,A	NYR2		pH<2
8	V22240823N08	L2447503-03,31,10,10,,A	NYR2		pH<2
9	V22240823N09	L2447503-04,31,10,10,,A	NYR2		pH<2
10	V22240823N10	L2447503-05,31,10,10,,A	NYR2		pH<2
11	V22240823N11	L2447503-06,31,10,10,,A	NYR2		pH<2
12	V22240823N12	L2447503-07,31,10,10,,A	NYR2		pH<2
13	V22240823N13	L2447503-08,31,10,10,,A	NYR2		pH<2
14	V22240823N14	L2447503-09,31,10,10,,A	NYR2		pH<2
15	V22240823N15	L2447622-01,31,10,10,,A,R3B	NYR2/10		pH<2
16	V22240823N16	L2447632-01,31,10,10,,A	NJ/BTEX/15		pH<2
17	V22240823N17	L2447631-03,31,10,10,,A	NJ/15/TBA		pH<2
18	V22240823N18	L2447631-02D,31,0.2,10,,A	NJ/15/TBA		pH<2
19	V22240823N19	L2447631-01D,31,5.0,10,,A	NJ/15/TBA		pH<2
20	V22240823N20	L2447581-05D,31,0.25,10,,A	PA/PCEBreak		pH<2
21	V22240823N21	L2447581-04D,31,0.5,10,,A	PA/PCEBreak		pH<2
22	V22240823N22	L2447581-03D,31,1.0,10,,A	PA/PCEBreak		pH<2
23	V22240823N23	L2447581-02D,31,4.0,10,,A	PA/PCEBreak		pH<2
24	V22240823N24	L2447581-01,31,10,10,,A	PA/PCEBreak		pH<2
25	V22240823N25	L2447627-02,31,10,10,,A	PA8260(10)	TB	pH<2
26	V22240823N26	L2447503-07MS,31,10,10,,A1	NJQC		pH<2
27	V22240823N27	L2447503-07MSD,31,10,10,,A2	NJQC		pH<2
28	V22240823N28	HSTD			
29	V22240823N29	BLK			
30	V22240823N30	BLK			

Inst: Gonzo
Initials: MJV
Date: **08/23/24**
Run: **A**

BFB: V10618
IS/SS: V10605
ICAL: V10594B,V10627

Method
GC 8260_RTX_VMS
Autosampler: 8260water
Concentrator: 8260

QC: ____ Seq:

Vial	DATA FILE	SAMPLE			pH<2
1	VG240823ABF1	BFB TUNE 07:35			
1	VG240823A01	8260 CCAL LCS			
2	VG240823A02	8260 CCAL LCSD			
3	VG240823A03	8260 CCAL			
4	VG240823A04	BLK			
5	VG240823A05	METHOD BLK			
6	VG240823A06	L2448005-07,31,10.0,10,,A,R3D	8260NH	SED	pH<2
7	VG240823A07	d STD EBNZ			
8	VG240823A08	I2447470-02,31,10,10,,a	NYTCL/15		pH<2
9	VG240823A09	I2447840-01,31,10,10,,a	NY CURVE	FB	pH<2
10	VG240823A10	I2447818-08,31,10,10,,a	NYTCL	FB	pH<2
11	VG240823A11	I2447818-12,31,10,10,,a	NYTCL	TB	pH<2
12	VG240823A12	I2447818-01,31,10,10,,a	NYTCL		pH<2
13	VG240823A13	I2447818-02,31,10,10,,a	NYTCL		pH<2
14	VG240823A14	I2447818-03,31,10,10,,a	NYTCL		pH<2
15	VG240823A15	I2447818-04,31,10,10,,a	NYTCL		pH<2
16	VG240823A16	I2447818-05,31,10,10,,a	NYTCL		pH<2
17	VG240823A17	I2447818-07,31,10,10,,a	NYTCL		pH<2
18	VG240823A18	I2447818-09,31,10,10,,a	NYTCL		pH<2
19	VG240823A19	I2447818-10,31,10,10,,a	NYTCL		pH<2
20	VG240823A20	I2447818-11,31,10,10,,a	NYTCL		pH<2
21	VG240823A21	I2447503-10,31,10,10,,a	NY/R2	FB	pH<2
22	VG240823A22	I2447503-11,31,10,10,,a	NY/R2		pH<2
23	VG240823A23	I2447503-12,31,10,10,,a	NY/R2	TB	pH<2
24	VG240823A24	I2447832-08,31,10,10,,a,r2f	NY/PCEBRK	FB	pH<2
25	VG240823A25	I2447832-09,31,10,10,,a,r2f	NY/PCEBRK	TB	pH<2
26	VG240823A26	I2448005-08,31,10,10,,a,r3d	8260NH		pH<2
27	VG240823A27	HSTD			
28	VG240823A28	BLK			
29	VG240823A29	BLK			

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-1S (L2447503-01)	35	29	70	63	55	79	0
MW-2S (L2447503-02)	25	21	84	66	33	79	0
MW-3S (L2447503-03)	15*	20	67	57	23	72	1
MW-4D (L2447503-04)	46	32	72	61	63	77	0
MW-5S (L2447503-05)	47	33	77	69	68	81	0
MW-6D (L2447503-06)	13*	15	77	66	21	83	1
MW-7S (L2447503-07)	11*	13	71	64	17	75	1
MW-8S (L2447503-08)	50	34	77	67	71	77	0
DUP (L2447503-09)	42	31	71	65	61	74	0
FIELD BLANK (L2447503-10)	48	33	70	61	66	72	0
EQUIPMENT BLANK (L2447503-11)	16*	20	65	61	26	71	1
WG1963467-1BLANK	50	33	63	64	85	84	0
WG1963467-2LCS	55	38	68	74	96	89	0
WG1963467-3LCSD	56	39	68	71	87	82	0
MW-7SMS	42	37	86	73	62	87	0
MW-7SMSD	17*	22	87	71	26	85	1
WG1964120-1BLANK	55	34	94	64	59	74	0
WG1964120-2LCS	54	38	87	62	57	71	0
WG1964120-3LCSD	57	46	85	61	69	74	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963467-2 **Analysis Date** : 08/25/24 23:51	**File ID**	: 963467-2
LCSD Sample ID	: WG1963467-3 **Analysis Date** : 08/26/24 00:14	**File ID**	: 963467-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	20	12.	61		20	13.	63		3	40-140	30
3,3'-Dichlorobenzidine	20	16.	83		20	15.	74		11	40-140	30
2,4-Dinitrotoluene	20	17.	84		20	16.	80		5	48-143	30
2,6-Dinitrotoluene	20	16.	78		20	14.	71		9	40-140	30
4-Chlorophenyl phenyl ether	20	14.	72		20	14.	68		6	40-140	30
4-Bromophenyl phenyl ether	20	15.	76		20	15.	73		4	40-140	30
Bis(2-chloroisopropyl)ether	20	7.3	37	Q	20	7.3	36	Q	3	40-140	30
Bis(2-chloroethoxy)methane	20	12.	61		20	13.	66		8	40-140	30
Hexachlorocyclopentadiene	20	6.1	31	Q	20	6.1	30	Q	3	40-140	30
Isophorone	20	12.	63		20	13.	66		5	40-140	30
Nitrobenzene	20	12.	58		20	13.	64		10	40-140	30
NDPA/DPA	20	16.	79		20	14.	70		12	40-140	30
n-Nitrosodi-n-propylamine	20	12.	59		20	12.	60		2	29-132	30
Bis(2-ethylhexyl)phthalate	20	15.	75		20	15.	74		1	40-140	30
Butyl benzyl phthalate	20	17.	83		20	16.	81		2	40-140	30
Di-n-butylphthalate	20	16.	80		20	16.	78		3	40-140	30
Di-n-octylphthalate	20	15.	77		20	15.	77		0	40-140	30
Diethyl phthalate	20	15.	73		20	14.	70		4	40-140	30
Dimethyl phthalate	20	15.	77		20	14.	72		7	40-140	30
Biphenyl	20	13.	63		20	12.	60		5	40-140	30
4-Chloroaniline	20	13.	64		20	9.8	49		27	40-140	30
2-Nitroaniline	20	18.	92		20	18.	90		2	52-143	30
3-Nitroaniline	20	16.	83		20	16.	79		5	25-145	30
4-Nitroaniline	20	17.	87		20	17.	87		0	51-143	30
Dibenzofuran	20	14.	69		20	14.	69		0	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	54		20	10.	52		4	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client : Alpha Geoscience **Lab Number** : L2447503
Project Name : HUNTINGTON READY MIX **Project Number** : 20116
Matrix (Level) : WATER (LOW)
LCS Sample ID : WG1963467-2 **Analysis Date** : 08/25/24 23:51 **File ID** : 963467-2
LCSD Sample ID : WG1963467-3 **Analysis Date** : 08/26/24 00:14 **File ID** : 963467-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acetophenone	20	13.	67	20	14.	71	6	39-129	30
2,4,6-Trichlorophenol	20	16.	78	20	16.	78	0	30-130	30
p-Chloro-m-cresol	20	14.	73	20	14.	73	0	23-97	30
2-Chlorophenol	20	14.	72	20	15.	75	4	27-123	30
2,4-Dichlorophenol	20	16.	80	20	16.	80	0	30-130	30
2,4-Dimethylphenol	20	9.9	49	20	8.5	42	15	30-130	30
2-Nitrophenol	20	16.	81	20	18.	91	12	30-130	30
4-Nitrophenol	20	8.3	42	20	8.2	41	2	10-80	30
2,4-Dinitrophenol	20	16.	80	20	15.	75	6	20-130	30
4,6-Dinitro-o-cresol	20	19.	96	20	16.	81	17	20-164	30
Phenol	20	6.8	34	20	6.9	34	0	12-110	30
2-Methylphenol	20	14.	69	20	13.	66	4	30-130	30
3-Methylphenol/4-Methylphenol	20	12.	62	20	13.	64	3	30-130	30
2,4,5-Trichlorophenol	20	17.	85	20	16.	79	7	30-130	30
Carbazole	20	17.	87	20	16.	80	8	55-144	30
Atrazine	20	15.	77	20	14.	70	10	40-140	30
Benzaldehyde	20	11.	54	20	12.	61	12	40-140	30
Caprolactam	20	2.9	14	20	2.7	14	0	10-130	30
2,3,4,6-Tetrachlorophenol	20	17.	87	20	15.	76	13	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964120-2 **Analysis Date** : 08/27/24 10:50	**File ID**	: 964120-2
LCSD Sample ID	: WG1964120-3 **Analysis Date** : 08/27/24 11:14	**File ID**	: 964120-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	20	16.	78	20	15.	76	3	40-140	30
3,3'-Dichlorobenzidine	20	10.	52	20	20.	98	61 Q	40-140	30
2,4-Dinitrotoluene	20	14.	70	20	15.	74	6	48-143	30
2,6-Dinitrotoluene	20	14.	71	20	16.	80	12	40-140	30
4-Chlorophenyl phenyl ether	20	14.	70	20	15.	74	6	40-140	30
4-Bromophenyl phenyl ether	20	13.	66	20	15.	75	13	40-140	30
Bis(2-chloroisopropyl)ether	20	16.	80	20	16.	78	3	40-140	30
Bis(2-chloroethoxy)methane	20	16.	78	20	16.	82	5	40-140	30
Hexachlorocyclopentadiene	20	9.2	46	20	9.1	45	2	40-140	30
Isophorone	20	17.	84	20	18.	92	9	40-140	30
Nitrobenzene	20	17.	86	20	16.	81	6	40-140	30
NDPA/DPA	20	12.	62	20	14.	72	15	40-140	30
n-Nitrosodi-n-propylamine	20	18.	89	20	19.	95	7	29-132	30
Bis(2-ethylhexyl)phthalate	20	18.	88	20	18.	93	6	40-140	30
Butyl benzyl phthalate	20	17.	87	20	21.	104	18	40-140	30
Di-n-butylphthalate	20	18.	89	20	19.	97	9	40-140	30
Di-n-octylphthalate	20	18.	93	20	20.	99	6	40-140	30
Diethyl phthalate	20	16.	78	20	18.	92	16	40-140	30
Dimethyl phthalate	20	15.	76	20	15.	76	0	40-140	30
Biphenyl	20	13.	66	20	14.	68	3	40-140	30
4-Chloroaniline	20	14.	71	20	14.	71	0	40-140	30
2-Nitroaniline	20	16.	80	20	14.	71	12	52-143	30
3-Nitroaniline	20	15.	77	20	17.	84	9	25-145	30
4-Nitroaniline	20	16.	82	20	16.	82	0	51-143	30
Dibenzofuran	20	14.	71	20	15.	74	4	40-140	30
1,2,4,5-Tetrachlorobenzene	20	12.	60	20	12.	62	3	2-134	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964120-2 **Analysis Date** : 08/27/24 10:50	**File ID**	: 964120-2
LCSD Sample ID	: WG1964120-3 **Analysis Date** : 08/27/24 11:14	**File ID**	: 964120-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acetophenone	20	15.	76	20	16.	79	4	39-129	30
2,4,6-Trichlorophenol	20	14.	68	20	16.	78	14	30-130	30
p-Chloro-m-cresol	20	18.	89	20	18.	88	1	23-97	30
2-Chlorophenol	20	13.	65	20	14.	73	12	27-123	30
2,4-Dichlorophenol	20	14.	72	20	15.	77	7	30-130	30
2,4-Dimethylphenol	20	12.	61	20	14.	73	18	30-130	30
2-Nitrophenol	20	14.	70	20	16.	79	12	30-130	30
4-Nitrophenol	20	13.	64	20	14.	72	12	10-80	30
2,4-Dinitrophenol	20	14.	71	20	15.	77	8	20-130	30
4,6-Dinitro-o-cresol	20	16.	78	20	17.	85	9	20-164	30
Phenol	20	8.7	43	20	9.5	47	9	12-110	30
2-Methylphenol	20	13.	67	20	14.	72	7	30-130	30
3-Methylphenol/4-Methylphenol	20	13.	67	20	15.	77	14	30-130	30
2,4,5-Trichlorophenol	20	14.	70	20	15.	76	8	30-130	30
Carbazole	20	16.	78	20	16.	80	3	55-144	30
Atrazine	20	14.	72	20	15.	75	4	40-140	30
Benzaldehyde	20	14.	69	20	14.	72	4	40-140	30
Caprolactam	20	9.6	48	20	13.	63	27	10-130	30
2,3,4,6-Tetrachlorophenol	20	15.	75	20	16.	80	6	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/26/24 18:10
Matrix Spike	: WG1963467-4	**MS Analysis Date**	: 08/26/24 18:33
Matrix Spike Dup	: WG1963467-5	**MSD Analysis Date**	: 08/26/24 18:55

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Bis(2-chloroethyl)ether	ND	20	17.	85		20	16.	80		6	40-140	30
3,3'-Dichlorobenzidine	ND	20	16.	80		20	17.	85		6	40-140	30
2,4-Dinitrotoluene	ND	20	17.	85		20	17.	85		0	48-143	30
2,6-Dinitrotoluene	ND	20	17.	85		20	17.	85		0	40-140	30
4-Chlorophenyl phenyl ether	ND	20	13.	65		20	14.	70		7	40-140	30
4-Bromophenyl phenyl ether	ND	20	14.	70		20	14.	70		0	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	18.	90		20	19.	95		5	40-140	30
Bis(2-chloroethoxy)methane	ND	20	17.	85		20	17.	85		0	40-140	30
Hexachlorocyclopentadiene	ND	20	6.5J	33	Q	20	6.9J	35	Q	6	40-140	30
Isophorone	ND	20	17.	85		20	17.	85		0	40-140	30
Nitrobenzene	ND	20	17.	85		20	17.	85		0	40-140	30
NDPA/DPA	ND	20	16.	80		20	15.	75		6	40-140	30
n-Nitrosodi-n-propylamine	ND	20	17.	85		20	17.	85		0	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	19.	95		20	19.	95		0	40-140	30
Butyl benzyl phthalate	ND	20	20.	100		20	20.	100		0	40-140	30
Di-n-butylphthalate	ND	20	19.	95		20	19.	95		0	40-140	30
Di-n-octylphthalate	ND	20	20.	100		20	20.	100		0	40-140	30
Diethyl phthalate	ND	20	16.	80		20	16.	80		0	40-140	30
Dimethyl phthalate	ND	20	16.	80		20	16.	80		0	40-140	30
Biphenyl	ND	20	13.	65		20	13.	65		0	40-140	30
4-Chloroaniline	ND	20	17.	85		20	16.	80		6	40-140	30
2-Nitroaniline	ND	20	18.	90		20	18.	90		0	52-143	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/26/24 18:10
Matrix Spike	: WG1963467-4	**MS Analysis Date**	: 08/26/24 18:33
Matrix Spike Dup	: WG1963467-5	**MSD Analysis Date**	: 08/26/24 18:55

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
3-Nitroaniline	ND	20	18.	90	20	18.	90		0	25-145	30
4-Nitroaniline	ND	20	17.	85	20	17.	85		0	51-143	30
Dibenzofuran	ND	20	15.	75	20	15.	75		0	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	11.	55	20	11.	55		0	2-134	30
Acetophenone	ND	20	15.	75	20	16.	80		6	39-129	30
2,4,6-Trichlorophenol	ND	20	10.	50	20	4.0J	20	Q	86 Q	30-130	30
p-Chloro-m-cresol	ND	20	16.	80	20	14.	70		13	23-97	30
2-Chlorophenol	ND	20	13.	65	20	6.6	33		65 Q	27-123	30
2,4-Dichlorophenol	ND	20	13.	65	20	7.1	36		59 Q	30-130	30
2,4-Dimethylphenol	ND	20	10.	50	20	10.	50		0	30-130	30
2-Nitrophenol	ND	20	15.	75	20	6.8J	34		75 Q	30-130	30
4-Nitrophenol	ND	20	5.1J	26	20	2.3J	12		76 Q	10-80	30
2,4-Dinitrophenol	ND	20	5.7J	29	20	ND	0	Q	NC	20-130	30
4,6-Dinitro-o-cresol	ND	20	9.2J	46	20	4.1J	21		77 Q	20-164	30
Phenol	ND	20	7.3	37	20	5.4	27		30	12-110	30
2-Methylphenol	ND	20	13.	65	20	13.	65		0	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	14.	70	20	12.	60		15	30-130	30
2,4,5-Trichlorophenol	ND	20	14.	70	20	6.1	31		79 Q	30-130	30
Carbazole	ND	20	18.	90	20	18.	90		0	55-144	30
Atrazine	ND	20	15.	75	20	15.	75		0	40-140	30
Benzaldehyde	ND	20	13.	65	20	13.	65		0	40-140	30
Caprolactam	ND	20	9.4J	47	20	9.5J	48		1	10-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/26/24 18:10
Matrix Spike	: WG1963467-4	**MS Analysis Date**	: 08/26/24 18:33
Matrix Spike Dup	: WG1963467-5	**MSD Analysis Date**	: 08/26/24 18:55

		Matrix Spike Sample			Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
2,3,4,6-Tetrachlorophenol	ND	20	9.8	49	20	2.4J	12	Q	121 Q	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963467-1	**Lab File ID**	: 963467-1
Instrument ID	: DAKOTA	**Extraction Date**	: 08/24/24
Matrix	: WATER	**Analysis Date**	: 08/25/24 23:29
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1963467-2LCS	WG1963467-2	08/25/24 23:51
WG1963467-3LCSD	WG1963467-3	08/26/24 00:14
MW-1S	L2447503-01	08/26/24 15:54
MW-3S	L2447503-03	08/26/24 16:39
MW-4D	L2447503-04	08/26/24 17:02
MW-5S	L2447503-05	08/26/24 17:25
MW-6D	L2447503-06	08/26/24 17:47
MW-7S	L2447503-07	08/26/24 18:10
MW-7SMS	WG1963467-4	08/26/24 18:33
MW-7SMSD	WG1963467-5	08/26/24 18:55
MW-8S	L2447503-08	08/26/24 19:18
DUP	L2447503-09	08/26/24 19:41
FIELD BLANK	L2447503-10	08/26/24 20:04
EQUIPMENT BLANK	L2447503-11	08/26/24 20:26

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1964120-1	**Lab File ID**	: 964120-1
Instrument ID	: SV106	**Extraction Date**	: 08/26/24
Matrix	: WATER	**Analysis Date**	: 08/27/24 10:27
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1964120-2LCS	WG1964120-2	08/27/24 10:50
WG1964120-3LCSD	WG1964120-3	08/27/24 11:14
MW-2S	L2447503-02	08/27/24 16:46

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 06/18/24 11:59
Tune Standard	: R1844601-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.9
68	Less than 2.0% of mass 69	0.5 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	46
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	24.6
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17
442	Base Peak, or >50% of mass 198	70.7
443	15.0 - 24.0% of mass 442	13.1 (18.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1844601-10	ABNL9	06/18/24 12:22
ABNL8	R1844601-8	ABNL8	06/18/24 12:45
ABNL7	R1844601-7	ABNL7	06/18/24 13:07
ABNL6	R1844601-6	ABNL6	06/18/24 13:30
ABNL5	R1844601-5	ABNL5	06/18/24 13:52
ABNL4	R1844601-4	ABNL4	06/18/24 14:15
ABNL3	R1844601-3	ABNL3	06/18/24 14:38
ABNL2	R1844601-2	ABNL2	06/18/24 15:00
ABNL1	R1844601-1	ABNL1	06/18/24 15:23
AP9L9	R1844601-27	AP9L9	06/18/24 15:46
AP9L8	R1844601-25	AP9L8	06/18/24 16:08
AP9L7	R1844601-26	AP9L7	06/18/24 16:31
AP9L6	R1844601-23	AP9L6	06/18/24 16:54
AP9L5	R1844601-24	AP9L5	06/18/24 17:16
AP9L4	R1844601-22	AP9L4	06/18/24 17:39
AP9L3	R1844601-21	AP9L3	06/18/24 18:02
AP9L2	R1844601-19	AP9L2	06/18/24 18:24
AP9L1	R1844601-20	AP9L1	06/18/24 18:47
ABN ICV Quant Report	R1844601-28	ABNICV	06/18/24 19:10

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 06/18/24 20:19
Tune Standard	: R1844601-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.8
68	Less than 2.0% of mass 69	0.2 (.5)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	25.1
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	80.6
443	15.0 - 24.0% of mass 442	16 (19.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9 ICV Quant Report	R1844601-30	AP9ICV	06/18/24 20:41
ADPL9	R1844601-17	ADPL9	06/18/24 21:04
ADPL8	R1844601-18	ADPL8	06/18/24 21:26
ADPL7	R1844601-15	ADPL7	06/18/24 21:49
ADPL6	R1844601-16	ADPL6	06/18/24 22:11
ADPL5	R1844601-14	ADPL5	06/18/24 22:34
ADPL4	R1844601-13	ADPL4	06/18/24 22:56
ADPL3	R1844601-12	ADPL3	06/18/24 23:19
ADPL2	R1844601-11	ADPL2	06/18/24 23:41
ADPL1	R1844601-9	ADPL1	06/19/24 00:04
ADP ICV Quant Report	R1844601-29	ADPICV	06/19/24 00:26

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 08/25/24 20:28
Tune Standard	: WG1963655-1	**Tune File ID**	: DEG0825_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30.1
68	Less than 2.0% of mass 69	0.3 (.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	45.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	28.8
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than 24% of mass 442	16.8
442	Base Peak, or >50% of mass 198	92.5
443	15.0 - 24.0% of mass 442	17.5 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1963655-6TFACTOR-B	WG1963655-6	DEG0825	08/25/24 20:28
WG1963655-7TFACTOR-P	WG1963655-7	DEG0825	08/25/24 20:28
WG1963655-3CCAL	WG1963655-3	ABN0825	08/25/24 20:51
WG1963655-5CCAL	WG1963655-5	ADP0825	08/25/24 21:35
WG1963655-4CCAL	WG1963655-4	AP90825A	08/25/24 21:59
WG1963467-1BLANK	WG1963467-1	963467-1	08/25/24 23:29
WG1963467-2LCS	WG1963467-2	963467-2	08/25/24 23:51
WG1963467-3LCSD	WG1963467-3	963467-3	08/26/24 00:14

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV106	**Analysis Date**	: 06/24/24 16:32
Tune Standard	: R1845372-31	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.3
68	Less than 2.0% of mass 69	0.8 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.2
275	10.0 - 60.0% of Base Peak	25.9
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	59.9
443	15.0 - 24.0% of mass 442	11.7 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1845372-9	ABNL9	06/24/24 16:56
ABNL8	R1845372-8	ABNL8	06/24/24 17:20
ABNL7	R1845372-7	ABNL7	06/24/24 17:43
ABNL6	R1845372-6	ABNL6	06/24/24 18:07
ABNL5	R1845372-5	ABNL5	06/24/24 18:31
ABNL4	R1845372-4	ABNL4	06/24/24 18:54
ABNL3	R1845372-3	ABNL3	06/24/24 19:18
ABNL2	R1845372-2	ABNL2	06/24/24 19:42
ABNL1	R1845372-1	ABNL1	06/24/24 20:05
AP9L9	R1845372-27	AP9L9	06/24/24 20:29
AP9L8	R1845372-26	AP9L8	06/24/24 20:53
AP9L7	R1845372-25	AP9L7	06/24/24 21:16
AP9L6	R1845372-24	AP9L6	06/24/24 21:40
AP9L5	R1845372-23	AP9L5	06/24/24 22:04
AP9L4	R1845372-22	AP9L4	06/24/24 22:28
AP9L3	R1845372-21	AP9L3	06/24/24 22:52
AP9L2	R1845372-20	AP9L2	06/24/24 23:15
AP9L1	R1845372-19	AP9L1	06/24/24 23:39
ABN ICV Quant Report	R1845372-28	ABNICV	06/25/24 00:03
AP9 ICV Quant Report	R1845372-30	AP9ICV	06/25/24 00:27

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV106	**Analysis Date**	: 06/25/24 00:51
Tune Standard	: R1845372-32	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	38.4
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.6
365	Greater than 1.0% of mass 198	3.1
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	62.7
443	15.0 - 24.0% of mass 442	12.2 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1845372-18	ADPL9	06/25/24 01:14
ADPL8	R1845372-17	ADPL8	06/25/24 01:38
ADPL7	R1845372-16	ADPL7	06/25/24 02:02
ADPL6	R1845372-14	ADPL6	06/25/24 02:26
ADPL5	R1845372-15	ADPL5	06/25/24 02:49
ADPL4	R1845372-12	ADPL4	06/25/24 03:13
ADPL3	R1845372-13	ADPL3	06/25/24 03:37
ADPL2	R1845372-11	ADPL2	06/25/24 04:01
ADPL1	R1845372-10	ADPL1	06/25/24 04:24
ADP ICV Quant Report	R1845372-29	ADPICV	06/25/24 04:48

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV106	**Analysis Date**	: 08/27/24 06:29
Tune Standard	: WG1964242-1	**Tune File ID**	: DEG0827_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	45.4
68	Less than 2.0% of mass 69	0.6 (1.2)1
69		100
70	Less than 2.0% of mass 69	0.1 (.2)1
127	10.0 - 80.0% of Base Peak	46.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	17.4
442	Base Peak, or >50% of mass 198	51.3
443	15.0 - 24.0% of mass 442	10.2 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1964242-6TFACTOR-B	WG1964242-6	DEG0827	08/27/24 06:29
WG1964242-7TFACTOR-P	WG1964242-7	DEG0827	08/27/24 06:29
WG1964242-3CCAL	WG1964242-3	ABN0827	08/27/24 06:53
WG1964242-4CCAL	WG1964242-4	AP90827	08/27/24 07:17
WG1964242-5CCAL	WG1964242-5	ADP0827	08/27/24 07:40
WG1964120-1BLANK	WG1964120-1	964120-1	08/27/24 10:27
WG1964120-2LCS	WG1964120-2	964120-2	08/27/24 10:50
WG1964120-3LCSD	WG1964120-3	964120-3	08/27/24 11:14
MW-2S	L2447503-02	47503-02	08/27/24 16:46

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV112	**Analysis Date**	: 06/25/24 19:55
Tune Standard	: R1846237-4	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	34.4
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.6
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	28.2
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	74
443	15.0 - 24.0% of mass 442	14.8 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1846237-14	ABNL9	06/25/24 20:18
ABNL8	R1846237-13	ABNL8	06/25/24 20:41
ABNL7	R1846237-12	ABNL7	06/25/24 21:04
ABNL6	R1846237-11	ABNL6	06/25/24 21:27
ABNL5	R1846237-10	ABNL5	06/25/24 21:50
ABNL4	R1846237-9	ABNL4	06/25/24 22:14
ABNL3	R1846237-8	ABNL3	06/25/24 22:37
ABNL2	R1846237-7	ABNL2	06/25/24 23:00
ABNL1	R1846237-6	ABNL1	06/25/24 23:23
AP9L9	R1846237-32	AP9L9	06/25/24 23:47
AP9L8	R1846237-31	AP9L8	06/26/24 00:10
AP9L7	R1846237-29	AP9L7	06/26/24 00:33
AP9L6	R1846237-30	AP9L6	06/26/24 00:56
AP9L5	R1846237-28	AP9L5	06/26/24 01:19
AP9L4	R1846237-27	AP9L4	06/26/24 01:43
AP9L3	R1846237-25	AP9L3	06/26/24 02:06
AP9L2	R1846237-26	AP9L2	06/26/24 02:29
AP9L1	R1846237-24	AP9L1	06/26/24 02:52
ABN ICV Quant Report	R1846237-1	ABNICV	06/26/24 03:16
AP9 ICV Quant Report	R1846237-3	AP9ICV	06/26/24 03:39

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV112	**Analysis Date**	: 06/26/24 04:02
Tune Standard	: R1846237-5	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.5
68	Less than 2.0% of mass 69	0.5 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.2
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	74.9
443	15.0 - 24.0% of mass 442	14.9 (19.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1846237-23	ADPL9	06/26/24 04:25
ADPL8	R1846237-22	ADPL8	06/26/24 04:48
ADPL7	R1846237-20	ADPL7	06/26/24 05:11
ADPL6	R1846237-21	ADPL6	06/26/24 05:35
ADPL5	R1846237-18	ADPL5	06/26/24 05:58
ADPL4	R1846237-19	ADPL4	06/26/24 06:21
ADPL3	R1846237-17	ADPL3	06/26/24 06:44
ADPL2	R1846237-16	ADPL2	06/26/24 07:08
ADPL1	R1846237-15	ADPL1	06/26/24 07:31
ADP ICV Quant Report	R1846237-2	ADPICV	06/26/24 07:54

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV112	**Analysis Date**	: 08/26/24 08:42
Tune Standard	: WG1963848-1	**Tune File ID**	: DEG0826_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	37.8
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7
275	10.0 - 60.0% of Base Peak	26.1
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.7
442	Base Peak, or >50% of mass 198	64.7
443	15.0 - 24.0% of mass 442	12.7 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1963848-6TFACTOR-B	WG1963848-6	DEG0826	08/26/24 08:42
WG1963848-7TFACTOR-P	WG1963848-7	DEG0826	08/26/24 08:42
WG1963848-3CCAL	WG1963848-3	ABN0826	08/26/24 09:05
WG1963848-4CCAL	WG1963848-4	AP90826	08/26/24 09:27
WG1963848-5CCAL	WG1963848-5	ADP0826	08/26/24 09:50
MW-1S	L2447503-01	47503-01	08/26/24 15:54
MW-3S	L2447503-03	47503-03	08/26/24 16:39
MW-4D	L2447503-04	47503-04	08/26/24 17:02
MW-5S	L2447503-05	47503-05	08/26/24 17:25
MW-6D	L2447503-06	47503-06	08/26/24 17:47
MW-7S	L2447503-07	47503-07	08/26/24 18:10
WG1963467-4MS	WG1963467-4	963467-4	08/26/24 18:33
WG1963467-5MSD	WG1963467-5	963467-5	08/26/24 18:55
MW-8S	L2447503-08	47503-08	08/26/24 19:18
DUP	L2447503-09	47503-09	08/26/24 19:41
FIELD BLANK	L2447503-10	47503-10	08/26/24 20:04
EQUIPMENT BLANK	L2447503-11	47503-11	08/26/24 20:26

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 08/25/24 20:51:00
Sample No	: WG1963655-3	**Lab File ID**	: ABN0825

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1963655-3	18365	4.10	70878	5.34	50962	7.03
Upper Limit	36730	4.60	141756	5.84	101924	7.53
Lower Limit	9183	3.60	35439	4.84	25481	6.53
Sample ID						
WG1963655-5 CCAL	22466	4.10	-	-	54458	7.02
WG1963655-4 CCAL	20040	4.10	76372	5.34	52785	7.02
WG1963467-1 BLANK	21362	4.10	80033	5.34	53296	7.02
WG1963467-2 LCS	21267	4.10	75913	5.34	52746	7.02
WG1963467-3 LCSD	20801	4.10	78296	5.34	53817	7.02

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: DAKOTA	**Analysis Date**	: 08/25/24 20:51:00
Sample No	: WG1963655-3	**Lab File ID**	: ABN0825

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1963655-3	124226	8.43	140160	10.98	176971	12.38
Upper Limit	248452	8.93	280320	11.48	353942	12.88
Lower Limit	62113	7.93	70080	10.48	88486	11.88
Sample ID						
WG1963655-5 CCAL	124030	8.43	-	-	-	-
WG1963655-4 CCAL	122573	8.43	-	-	-	-
WG1963467-1 BLANK	119233	8.43	133817	10.97	167675	12.38
WG1963467-2 LCS	119066	8.43	145978	10.98	181624	12.38
WG1963467-3 LCSD	120279	8.43	141970	10.97	181629	12.38

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV112	**Analysis Date**	: 08/26/24 09:05:00
Sample No	: WG1963848-3	**Lab File ID**	: ABN0826

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1963848-3	22155	3.87	80666	5.12	48614	6.80
Upper Limit	44310	4.37	161332	5.62	97228	7.30
Lower Limit	11078	3.37	40333	4.62	24307	6.30
Sample ID						
WG1963848-4 CCAL	19368	3.87	72145	5.11	43409	6.80
WG1963848-5 CCAL	19115	3.87	-	-	42236	6.80
MW-1S	18326	3.87	68955	5.12	42305	6.80
MW-3S	17754	3.87	65702	5.12	40389	6.80
MW-4D	17905	3.87	68302	5.12	40237	6.80
MW-5S	17634	3.87	65254	5.12	39282	6.80
MW-6D	17698	3.87	67143	5.12	40290	6.80
MW-7S	17911	3.87	66957	5.12	39948	6.80
MW-7S MS	17858	3.87	67485	5.12	42648	6.80
MW-7S MSD	20110	3.87	77004	5.12	47798	6.80
MW-8S	18852	3.87	70076	5.12	42597	6.80
DUP	18827	3.87	69220	5.12	40895	6.80
FIELD BLANK	17323	3.87	65550	5.12	39124	6.80
EQUIPMENT BLANK	18518	3.87	68208	5.12	42500	6.80

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV112	**Analysis Date**	: 08/26/24 09:05:00
Sample No	: WG1963848-3	**Lab File ID**	: ABN0826

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1963848-3	103722	8.20	108066	10.73	129326	12.10
Upper Limit	207444	8.70	216132	11.23	258652	12.60
Lower Limit	51861	7.70	54033	10.23	64663	11.60
Sample ID						
WG1963848-4 CCAL	95696	8.20	-	-	-	-
WG1963848-5 CCAL	94779	8.20	-	-	-	-
MW-1S	89612	8.20	101053	10.73	120417	12.11
MW-3S	86676	8.20	94089	10.73	108838	12.11
MW-4D	84815	8.20	92571	10.73	107771	12.11
MW-5S	82068	8.20	89584	10.73	103007	12.11
MW-6D	85690	8.20	94287	10.73	109606	12.11
MW-7S	85029	8.20	91262	10.73	105304	12.11
MW-7S MS	86622	8.20	97102	10.73	113552	12.11
MW-7S MSD	100934	8.20	114701	10.73	131810	12.11
MW-8S	89800	8.20	96221	10.73	110498	12.11
DUP	87970	8.20	93766	10.73	108392	12.11
FIELD BLANK	84760	8.20	88907	10.73	104413	12.11
EQUIPMENT BLANK	90889	8.20	99016	10.73	113997	12.11

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV106	**Analysis Date**	: 08/27/24 06:53:00
Sample No	: WG1964242-3	**Lab File ID**	: ABN0827

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1964242-3	45917	6.23	173745	7.67	117972	9.43
Upper Limit	91834	6.73	347490	8.17	235944	9.93
Lower Limit	22959	5.73	86873	7.17	58986	8.93
Sample ID						
WG1964242-4 CCAL	36294	6.23	126390	7.67	82293	9.43
WG1964242-5 CCAL	41791	6.23	-	-	99896	9.43
WG1964120-1 BLANK	35598	6.23	130112	7.68	78802	9.43
WG1964120-2 LCS	34366	6.23	122333	7.68	78757	9.43
WG1964120-3 LCSD	36675	6.23	136960	7.68	86275	9.43
MW-2S	38146	6.23	137180	7.68	87453	9.44

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV106	**Analysis Date**	: 08/27/24 06:53:00
Sample No	: WG1964242-3	**Lab File ID**	: ABN0827

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1964242-3	251960	10.87	246745	13.48	274826	14.93
Upper Limit	503920	11.37	493490	13.98	549652	15.43
Lower Limit	125980	10.37	123373	12.98	137413	14.43
Sample ID						
WG1964242-4 CCAL	176190	10.87	-	-	-	-
WG1964242-5 CCAL	214594	10.87	-	-	-	-
WG1964120-1 BLANK	157376	10.87	169854	13.48	193010	14.93
WG1964120-2 LCS	154410	10.87	165990	13.49	189547	14.94
WG1964120-3 LCSD	171603	10.87	161613	13.49	175244	14.94
MW-2S	166948	10.88	190336	13.49	207302	14.94

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

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ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	1.06	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	8.14	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.581	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.69	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.884	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.538	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.636	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.642	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.463	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	0.854	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.382	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.368	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.81	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.653	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.795	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.632	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	1.75	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	1.49	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.6	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	0.606	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.44	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.657	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.669	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.656	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.65	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.771	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.51	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.18	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.58	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.39	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	4.3	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	4.44	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.767	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.447	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.814	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.816	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.828	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.59	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.79	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.77	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	1.05	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.992	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
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ABN Extractables - EPA 8270E (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.452	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.943	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.704	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.635	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.482	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.647	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.595	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	0.519	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	0.574	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	0.581	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.823	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.677	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.524	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	0.494	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.406	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.405	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	0.527	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	1.1	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	0.463	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.14	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	3.55	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	5.42	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	1.95	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	1.3	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	1.1	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	0.55	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	0.381	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	12.9	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.698	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.759	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.905	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	133.6	17.3012	ug/kg	31-137	50	31-137	50	50			
Benzidine	92-87-5	551.1	181.028	ug/kg	10-66	50	10-66	50	50			
1,2,4-Trichlorobenzene	120-82-1	167	19.1048	ug/kg	38-107	50	38-107	50	50			
Hexachlorobenzene	118-74-1	100.2	18.704	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethyl)ether	111-44-4	150.3	22.6452	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	167	16.5664	ug/kg	40-140	50	40-140	50	50			
1,2-Dichlorobenzene	95-50-1	167	29.9932	ug/kg	40-140	50	40-140	50	50			
1,3-Dichlorobenzene	541-73-1	167	28.724	ug/kg	40-140	50	40-140	50	50			
1,4-Dichlorobenzene	106-46-7	167	29.1582	ug/kg	28-104	50	28-104	50	50			
3,3'-Dichlorobenzidine	91-94-1	167	44.422	ug/kg	40-140	50	40-140	50	50			
2,4-Dinitrotoluene	121-14-2	167	33.4	ug/kg	40-132	50	40-132	50	50			
2,6-Dinitrotoluene	606-20-2	167	28.6572	ug/kg	40-140	50	40-140	50	50			
Azobenzene	122-66-7	167	16.032	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	100.2	19.1716	ug/kg	40-140	50	40-140	50	50			
4-Chlorophenyl phenyl ether	7005-72-3	167	17.869	ug/kg	40-140	50	40-140	50	50			
4-Bromophenyl phenyl ether	101-55-3	167	25.4842	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroisopropyl)ether	108-60-1	200.4	28.5236	ug/kg	40-140	50	40-140	50	50			
Bis(2-chloroethoxy)methane	111-91-1	180.36	16.7334	ug/kg	40-117	50	40-117	50	50			
Hexachlorobutadiene	87-68-3	167	24.4488	ug/kg	40-140	50	40-140	50	50			
Hexachlorocyclopentadiene	77-47-4	477.62	151.302	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	133.6	27.0206	ug/kg	40-140	50	40-140	50	50			
Isophorone	78-59-1	150.3	21.6766	ug/kg	40-140	50	40-140	50	50			
Naphthalene	91-20-3	167	20.3406	ug/kg	40-140	50	40-140	50	50			
Nitrobenzene	98-95-3	150.3	24.716	ug/kg	40-140	50	40-140	50	50			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	133.6	19.0046	ug/kg	36-157	50	36-157	50	50			
n-Nitrosodi-n-propylamine	621-64-7	167	25.7848	ug/kg	32-121	50	32-121	50	50			
Bis(2-Ethylhexyl)phthalate	117-81-7	167	57.782	ug/kg	40-140	50	40-140	50	50			
Butyl benzyl phthalate	85-68-7	167	42.084	ug/kg	40-140	50	40-140	50	50			
Di-n-butylphthalate	84-74-2	167	31.6632	ug/kg	40-140	50	40-140	50	50			
Di-n-octylphthalate	117-84-0	167	56.78	ug/kg	40-140	50	40-140	50	50			
Diethyl phthalate	84-66-2	167	15.4642	ug/kg	40-140	50	40-140	50	50			
Dimethyl phthalate	131-11-3	167	35.07	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	100.2	18.8042	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	133.6	40.748	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	100.2	28.1228	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	100.2	26.72	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	100.2	17.368	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	133.6	25.7848	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	100.2	32.565	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	133.6	19.6392	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	167	16.2324	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	100.2	20.3072	ug/kg	40-140	50	40-140	50	50			

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ABN Extractables - EPA 8270E (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	100.2	19.3052	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	133.6	23.2798	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	100.2	16.5998	ug/kg	35-142	50	35-142	50	50			
Biphenyl	92-52-4	380.76	21.71	ug/kg	37-127	50	37-127	50	50			
Aniline	62-53-3	200.4	78.824	ug/kg	40-140	50	40-140	50	50			
4-Chloroaniline	106-47-8	167	30.394	ug/kg	40-140	50	40-140	50	50			
1-Methylnaphthalene	90-12-0	167	19.372	ug/kg	26-130	50	26-130	50	50			
2-Nitroaniline	88-74-4	167	32.1976	ug/kg	47-134	50	47-134	50	50			
3-Nitroaniline	99-09-2	167	31.4962	ug/kg	26-129	50	26-129	50	50			
4-Nitroaniline	100-01-6	167	69.138	ug/kg	41-125	50	41-125	50	50			
Dibenzofuran	132-64-9	167	15.7982	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	200.4	20.1736	ug/kg	40-140	50	40-140	50	50			
n-Nitrosodimethylamine	62-75-9	334	32.064	ug/kg	22-100	50	22-100	50	50			
2,4,6-Trichlorophenol	88-06-2	100.2	31.6632	ug/kg	30-130	50	30-130	50	50			
P-Chloro-M-Cresol	59-50-7	167	24.883	ug/kg	26-103	50	26-103	50	50			
2-Chlorophenol	95-57-8	167	19.7394	ug/kg	25-102	50	25-102	50	50			
2,4-Dichlorophenol	120-83-2	150.3	26.8536	ug/kg	30-130	50	30-130	50	50			
2,4-Dimethylphenol	105-67-9	167	55.11	ug/kg	30-130	50	30-130	50	50			
2-Nitrophenol	88-75-5	360.72	62.792	ug/kg	30-130	50	30-130	50	50			
4-Nitrophenol	100-02-7	233.8	68.136	ug/kg	11-114	50	11-114	50	50			
2,4-Dinitrophenol	51-28-5	801.6	77.822	ug/kg	4-130	50	4-130	50	50			
4,6-Dinitro-o-cresol	534-52-1	434.2	80.16	ug/kg	10-130	50	10-130	50	50			
Pentachlorophenol	87-86-5	133.6	36.74	ug/kg	17-109	50	17-109	50	50			
Phenol	108-95-2	167	25.217	ug/kg	26-90	50	26-90	50	50			
2-Methylphenol	95-48-7	167	25.885	ug/kg	30-130.	50	30-130.	50	50			
3-Methylphenol/4-Methylphenol	106-44-5	240.48	26.1522	ug/kg	30-130	50	30-130	50	50			
2,4,5-Trichlorophenol	95-95-4	167	31.9972	ug/kg	30-130	50	30-130	50	50			
Benzoic Acid	65-85-0	541.08	169.004	ug/kg	10-110	50	10-110	50	50			
Benzyl Alcohol	100-51-6	167	51.102	ug/kg	40-140	50	40-140	50	50			
Carbazole	86-74-8	167	16.2324	ug/kg	54-128	50	54-128	50	50			
Pyridine	110-86-1	180.36	63.46	ug/kg	10-93	50	10-93	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 15:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-01	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 15:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-01	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	2.2	5.0	0.92	J
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.7	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 15:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-01	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 16:46
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	1.9	5.0	0.76	J
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 16:46
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.0	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 16:46
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 16:39
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 16:39
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 16:39
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:02
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:02
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	1.1	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:02
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:25
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:25
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.6	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:25
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:47
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:47
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 17:47
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: EK
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 18:10
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-07	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:18
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:18
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	3.5	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:18
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:41
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:41
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	0.90	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 19:41
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:04
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:04
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	2.2	5.0	0.35	J
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:04
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:26
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:26
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/26/24 20:26
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JG
Sample Amount	: 100 ml	**Instrument ID**	: SV112
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963467-1	**Date Collected**	: NA
Client ID	: WG1963467-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/25/24 23:29
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 963467-1	**Analyst**	: MRG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963467-1	**Date Collected**	: NA
Client ID	: WG1963467-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/25/24 23:29
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 963467-1	**Analyst**	: MRG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963467-1	**Date Collected**	: NA
Client ID	: WG1963467-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/25/24 23:29
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 963467-1	**Analyst**	: MRG
Sample Amount	: 100 ml	**Instrument ID**	: DAKOTA
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964120-1	**Date Collected**	: NA
Client ID	: WG1964120-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 10:27
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 964120-1	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964120-1	**Date Collected**	: NA
Client ID	: WG1964120-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 10:27
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 964120-1	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964120-1	**Date Collected**	: NA
Client ID	: WG1964120-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 10:27
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 964120-1	**Analyst**	: IM
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	2.2	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-01.D
Acq On : 26 Aug 2024 03:54 pm
Operator : SV112:ek
Sample : L2447503-01,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 18:13:00 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	18326	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 82.72%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	18326	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 94.62%			
35) IS1_Naphthalene-d8	5.116	136	68955	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 85.48%			
55) IS2_Naphthalene-d8	5.116	136	68955	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 95.58%			
63) IS1_Acenaphthene-d10	6.799	164	42305	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 87.02%			
83) IS2_Acenaphthene-d10	6.799	164	42305	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 97.46%			
86) IS3_Acenaphthene-d10	6.799	164	42305	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 100.16%			
88) IS1_Phenanthrene-d10	8.198	188	89612	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 86.40%			
100) IS3_Phenanthrene-d10	8.198	188	89612	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 94.55%			
104) IS1_Chrysene-d12	10.728	240	101053	4.000	ug/ml	0.00
Standard Area 1 = 108066			Recovery = 93.51%			
113) IS1_Perylene-d12	12.110	264	120417	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 93.11%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.552	112	3396	0.706	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 35.30%			
7) Phenol-d6	3.610	99	3623	0.583	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.15%			
19) Nitrobenzene-d5	4.428	82	4165	0.703	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.30%			
46) 2-Fluorobiphenyl	6.193	172	9797	0.628	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.80%			
79) 2,4,6-Tribromophenol	7.557	330	2980	1.097	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.85%			
96) 4-Terphenyl-d14	9.769	244	18182	0.789	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.90%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-01.D
Acq On : 26 Aug 2024 03:54 pm
Operator : SV112:ek
Sample : L2447503-01,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 18:13:00 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.622	94	1930	0.267	ug/ml	98
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	4.299	105	1927	0.221	ug/ml#	81
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-01.D
Acq On : 26 Aug 2024 03:54 pm
Operator : SV112:ek
Sample : L2447503-01,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 18:13:00 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

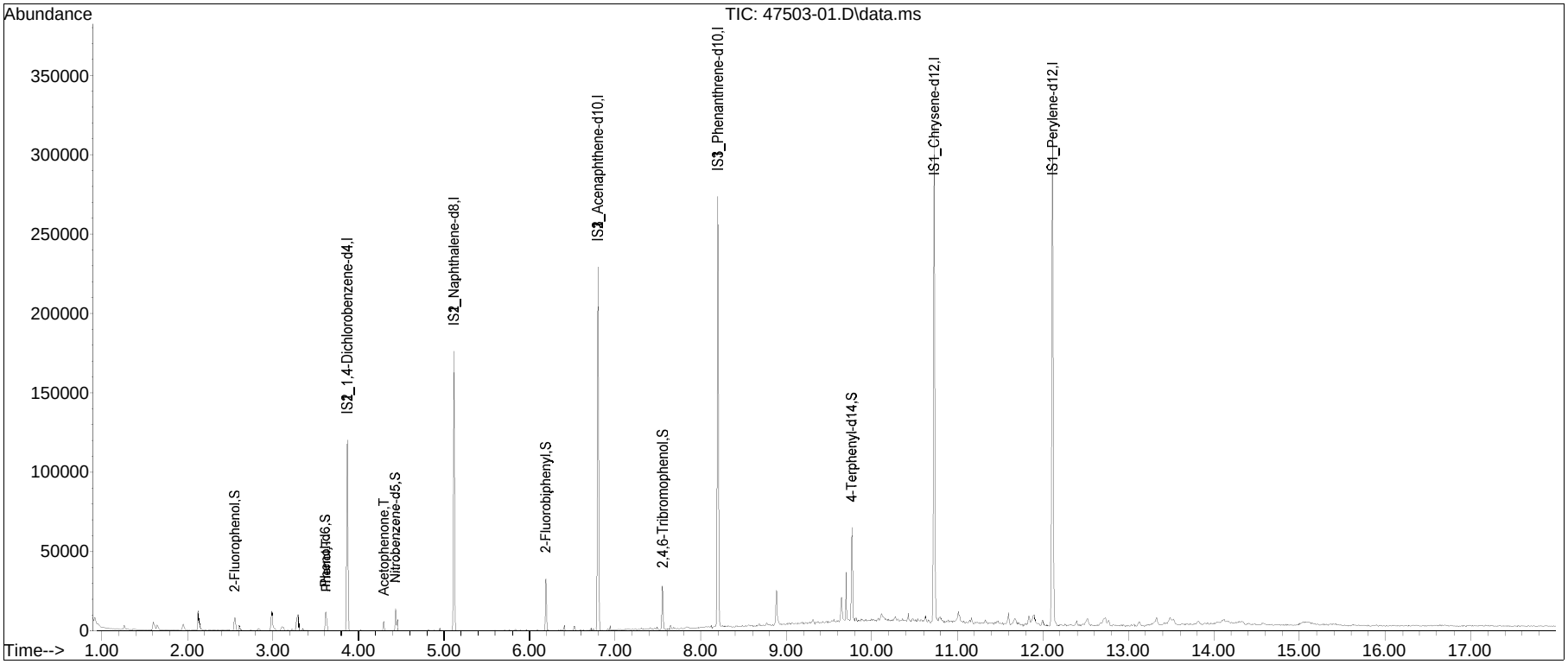
(#) = qualifier out of range (m) = manual integration (+) = signals summed

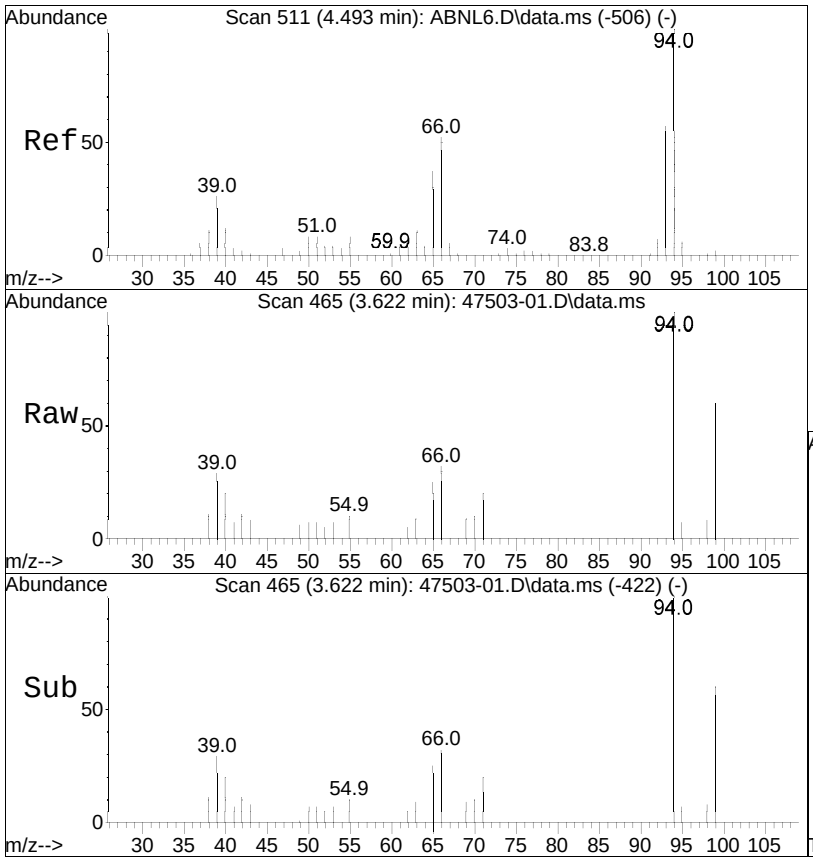
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-01.D
Acq On : 26 Aug 2024 03:54 pm
Operator : SV112:ek
Sample : L2447503-01,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 18:13:00 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

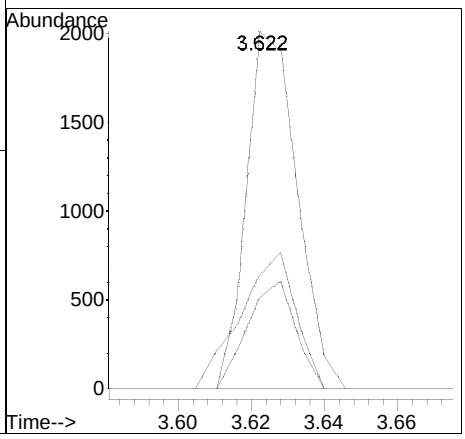


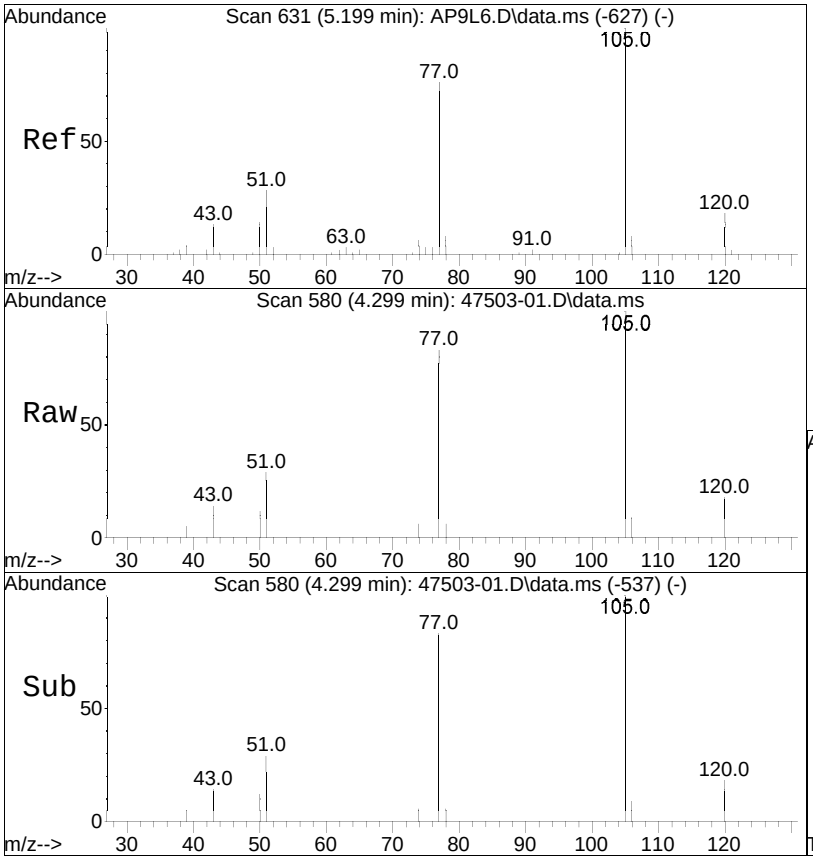


#8
Phenol
Concen: 0.27 ug/ml
RT: 3.622 min Scan# 465
Delta R.T. 0.000 min
Lab File: 47503-01.D
Acq: 26 Aug 2024 03:54 pm

Tgt Ion: 94 Resp: 1930

Ion	Ratio	Lower	Upper
94	100		
65	28.6	23.0	34.6
66	41.7	32.1	48.1

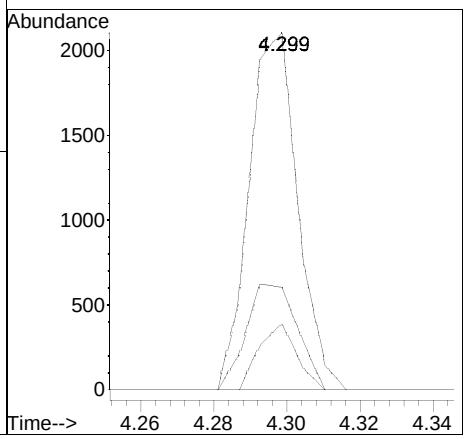




#29
Acetophenone
Concen: 0.22 ug/ml
RT: 4.299 min Scan# 580
Delta R.T. 0.006 min
Lab File: 47503-01.D
Acq: 26 Aug 2024 03:54 pm

Tgt Ion:105 Resp: 1927

Ion	Ratio	Lower	Upper
105	100		
120	0.0	15.2	22.8#
51	31.3	23.1	34.7



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-01.D	Operator	: SV112:ek
Date Inj'd	: 8/26/2024 3:54 pm	Instrument	: SV112
Sample	: L2447503-01,32,,HNY	Quant Date	: 8/26/2024 4:12 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-03.D
Acq On : 26 Aug 2024 04:39 pm
Operator : SV112:ek
Sample : L2447503-03,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 18:13:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	17754	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 80.14%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	17754	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 91.67%				
35) IS1_Naphthalene-d8	5.116	136	65702	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 81.45%				
55) IS2_Naphthalene-d8	5.116	136	65702	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 91.07%				
63) IS1_Acenaphthene-d10	6.799	164	40389	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 83.08%				
83) IS2_Acenaphthene-d10	6.799	164	40389	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 93.04%				
86) IS3_Acenaphthene-d10	6.799	164	40389	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 95.63%				
88) IS1_Phenanthrene-d10	8.199	188	86676	4.000	ug/ml	#	0.00
Standard Area 1 = 103722			Recovery = 83.57%				
100) IS3_Phenanthrene-d10	8.199	188	86676	4.000	ug/ml	#	0.00
Standard Area 2 = 94779			Recovery = 91.45%				
104) IS1_Chrysene-d12	10.728	240	94089	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 87.07%				
113) IS1_Perylene-d12	12.110	264	108838	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 84.16%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.546	112	1405	0.301	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 15.05%				
7) Phenol-d6	3.611	99	2371	0.394	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 19.70%				
19) Nitrobenzene-d5	4.428	82	3830	0.667	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.70%				
46) 2-Fluorobiphenyl	6.193	172	8397	0.565	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.50%				
79) 2,4,6-Tribromophenol	7.558	330	1166	0.450	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 22.50%				
96) 4-Terphenyl-d14	9.769	244	15983	0.717	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.70%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-03.D
Acq On : 26 Aug 2024 04:39 pm
Operator : SV112:ek
Sample : L2447503-03,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 18:13:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-03.D
Acq On : 26 Aug 2024 04:39 pm
Operator : SV112:ek
Sample : L2447503-03,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 18:13:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

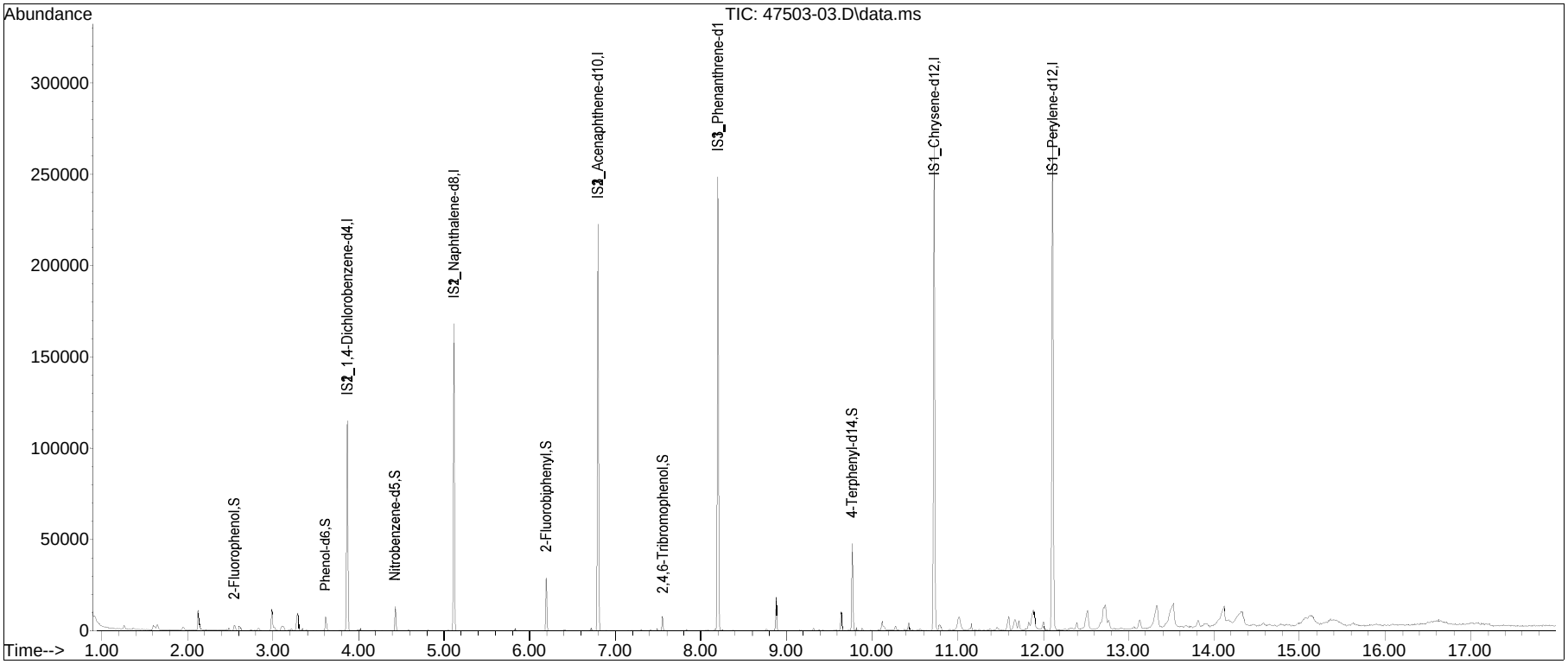
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-03.D
Acq On : 26 Aug 2024 04:39 pm
Operator : SV112:ek
Sample : L2447503-03,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 18:13:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-03.D	Operator	: SV112:ek
Date Inj'd	: 8/26/2024 4:39 pm	Instrument	: SV112
Sample	: L2447503-03,32,,HNY	Quant Date	: 8/26/2024 4:58 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-04.D
Acq On : 26 Aug 2024 05:02 pm
Operator : SV112:ek
Sample : L2447503-04,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 18:13:40 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	17905	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 80.82%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	17905	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 92.45%				
35) IS1_Naphthalene-d8	5.116	136	68302	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 84.67%				
55) IS2_Naphthalene-d8	5.116	136	68302	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 94.67%				
63) IS1_Acenaphthene-d10	6.798	164	40237	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 82.77%				
83) IS2_Acenaphthene-d10	6.798	164	40237	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 92.69%				
86) IS3_Acenaphthene-d10	6.798	164	40237	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 95.27%				
88) IS1_Phenanthrene-d10	8.198	188	84815	4.000	ug/ml		0.00
Standard Area 1 = 103722			Recovery = 81.77%				
100) IS3_Phenanthrene-d10	8.198	188	84815	4.000	ug/ml		0.00
Standard Area 2 = 94779			Recovery = 89.49%				
104) IS1_Chrysene-d12	10.728	240	92571	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 85.66%				
113) IS1_Perylene-d12	12.110	264	107771	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 83.33%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.546	112	4301	0.915	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.75%				
7) Phenol-d6	3.610	99	3919	0.645	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.25%				
19) Nitrobenzene-d5	4.428	82	4139	0.715	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.50%				
46) 2-Fluorobiphenyl	6.193	172	9384	0.608	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 60.80%				
79) 2,4,6-Tribromophenol	7.557	330	3253	1.259	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.95%				
96) 4-Terphenyl-d14	9.769	244	16702	0.766	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.60%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-04.D
Acq On : 26 Aug 2024 05:02 pm
Operator : SV112:ek
Sample : L2447503-04,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 18:13:40 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.628	94	783	0.111	ug/ml#	40
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-04.D
Acq On : 26 Aug 2024 05:02 pm
Operator : SV112:ek
Sample : L2447503-04,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 18:13:40 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

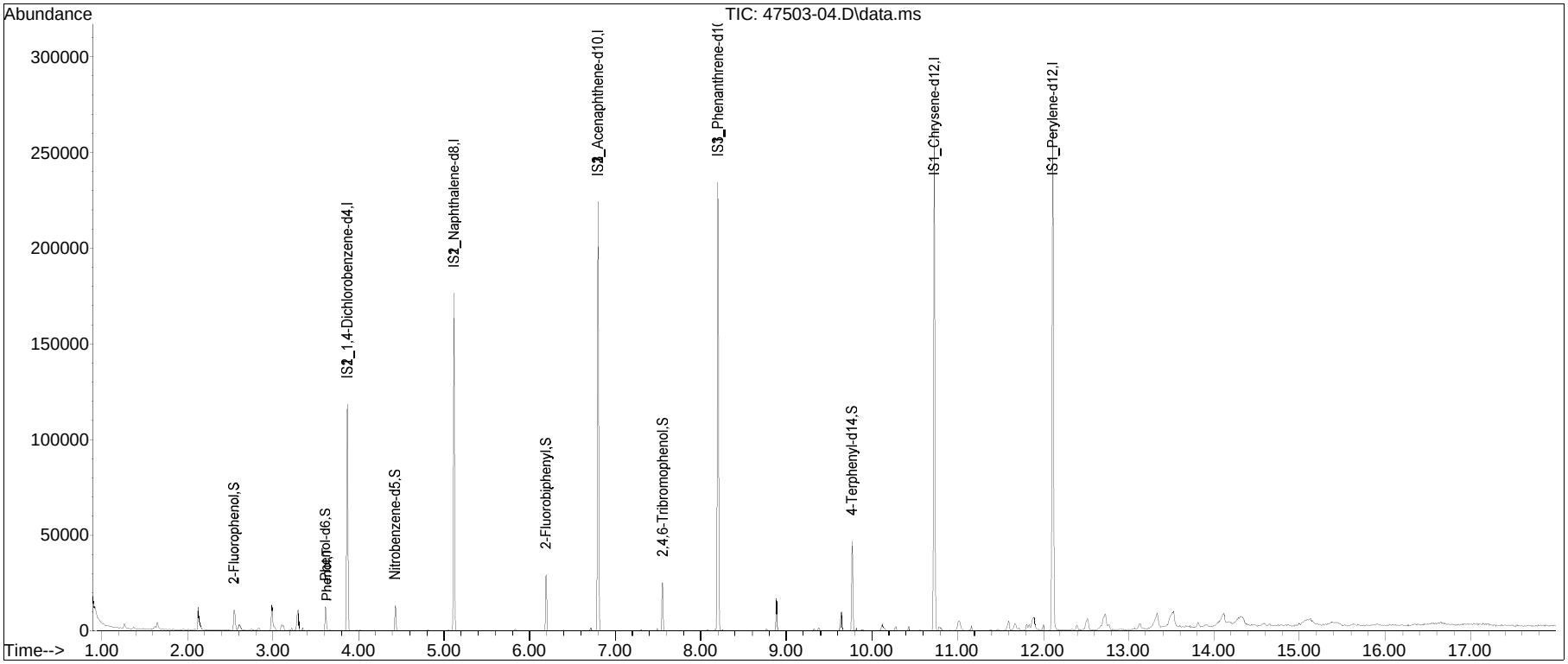
(#) = qualifier out of range (m) = manual integration (+) = signals summed

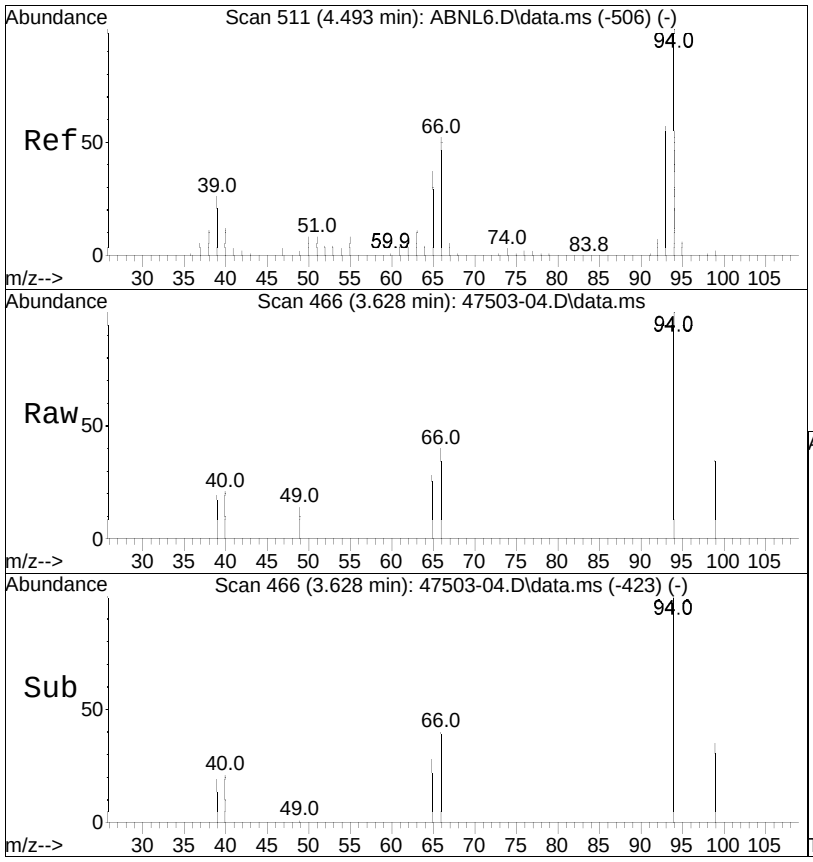
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-04.D
Acq On : 26 Aug 2024 05:02 pm
Operator : SV112:ek
Sample : L2447503-04,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 18:13:40 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

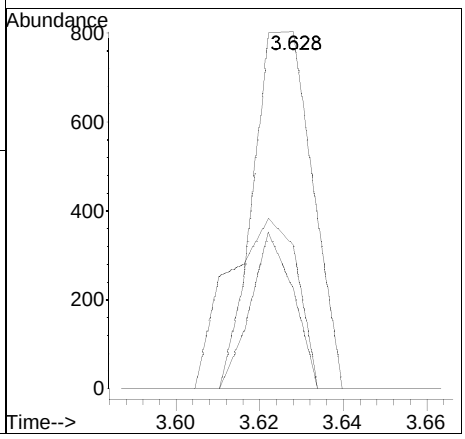




#8
Phenol
Concen: 0.11 ug/ml
RT: 3.628 min Scan# 466
Delta R.T. 0.006 min
Lab File: 47503-04.D
Acq: 26 Aug 2024 05:02 pm

Tgt Ion: 94 Resp: 783

Ion	Ratio	Lower	Upper
94	100		
65	0.0	23.0	34.6#
66	0.0	32.1	48.1#



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-04.D	Operator	: SV112:ek
Date Inj'd	: 8/26/2024 5:02 pm	Instrument	: SV112
Sample	: L2447503-04,32,,HNY	Quant Date	: 8/26/2024 5:20 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-05.D
Acq On : 26 Aug 2024 05:25 pm
Operator : SV112:ek
Sample : L2447503-05,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 18:14:09 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	17634	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 79.59%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	17634	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 91.05%				
35) IS1_Naphthalene-d8	5.116	136	65254	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 80.89%				
55) IS2_Naphthalene-d8	5.116	136	65254	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 90.45%				
63) IS1_Acenaphthene-d10	6.799	164	39282	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 80.80%				
83) IS2_Acenaphthene-d10	6.799	164	39282	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 90.49%				
86) IS3_Acenaphthene-d10	6.799	164	39282	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 93.01%				
88) IS1_Phenanthrene-d10	8.199	188	82068	4.000	ug/ml		0.00
Standard Area 1 = 103722			Recovery = 79.12%				
100) IS3_Phenanthrene-d10	8.199	188	82068	4.000	ug/ml		0.00
Standard Area 2 = 94779			Recovery = 86.59%				
104) IS1_Chrysene-d12	10.728	240	89584	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 82.90%				
113) IS1_Perylene-d12	12.110	264	103007	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 79.65%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.546	112	4392	0.949	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.45%				
7) Phenol-d6	3.611	99	3888	0.650	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.50%				
19) Nitrobenzene-d5	4.428	82	4390	0.770	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.00%				
46) 2-Fluorobiphenyl	6.193	172	10157	0.688	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.80%				
79) 2,4,6-Tribromophenol	7.557	330	3438	1.363	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 68.15%				
96) 4-Terphenyl-d14	9.775	244	17072	0.809	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.90%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-05.D
Acq On : 26 Aug 2024 05:25 pm
Operator : SV112:ek
Sample : L2447503-05,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 18:14:09 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.622	94	1771	0.255	ug/ml	92
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-05.D
Acq On : 26 Aug 2024 05:25 pm
Operator : SV112:ek
Sample : L2447503-05,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 18:14:09 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

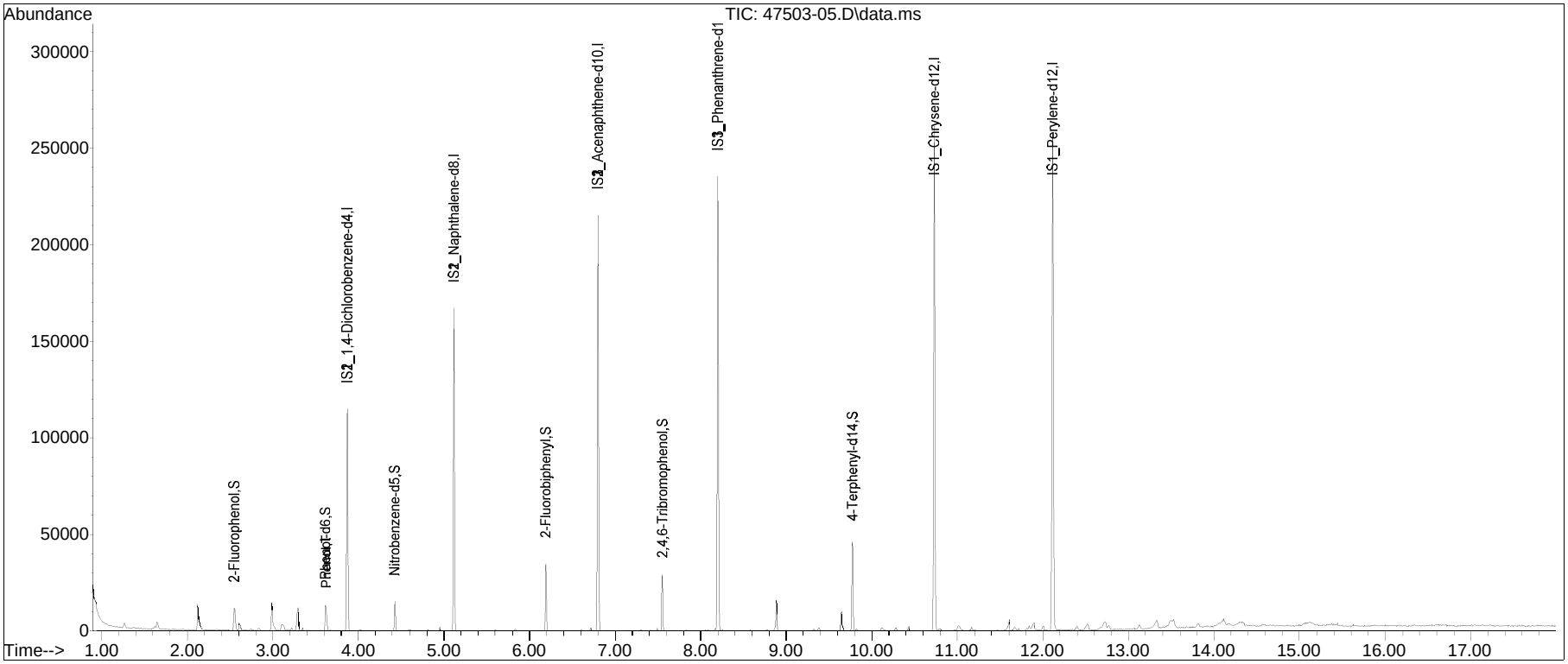
(#) = qualifier out of range (m) = manual integration (+) = signals summed

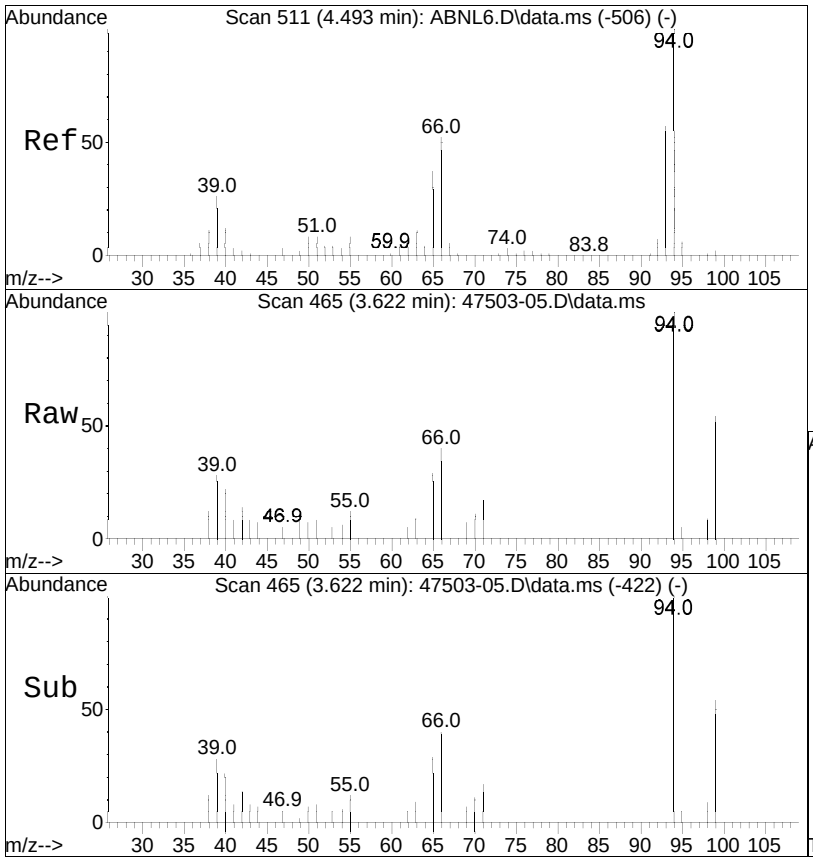
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-05.D
Acq On : 26 Aug 2024 05:25 pm
Operator : SV112:ek
Sample : L2447503-05,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 18:14:09 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

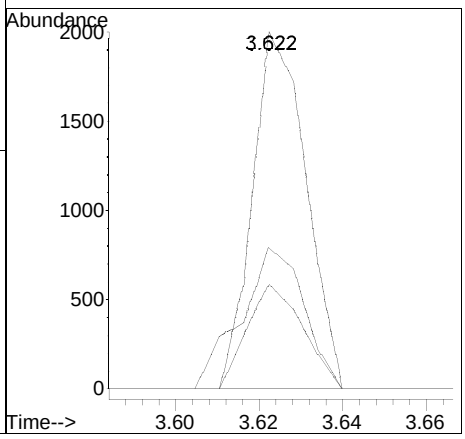




#8
Phenol
Concen: 0.25 ug/ml
RT: 3.622 min Scan# 465
Delta R.T. 0.000 min
Lab File: 47503-05.D
Acq: 26 Aug 2024 05:25 pm

Tgt Ion: 94 Resp: 1771

Ion	Ratio	Lower	Upper
94	100		
65	30.5	23.0	34.6
66	46.9	32.1	48.1



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-05.D	Operator	: SV112:ek
Date Inj'd	: 8/26/2024 5:25 pm	Instrument	: SV112
Sample	: L2447503-05,32,,HNY	Quant Date	: 8/26/2024 5:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-06.D
Acq On : 26 Aug 2024 05:47 pm
Operator : SV112:ek
Sample : L2447503-06,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 18:14:21 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	17698	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 79.88%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	17698	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 91.38%			
35) IS1_Naphthalene-d8	5.116	136	67143	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 83.24%			
55) IS2_Naphthalene-d8	5.116	136	67143	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 93.07%			
63) IS1_Acenaphthene-d10	6.799	164	40290	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 82.88%			
83) IS2_Acenaphthene-d10	6.799	164	40290	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 92.81%			
86) IS3_Acenaphthene-d10	6.799	164	40290	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 95.39%			
88) IS1_Phenanthrene-d10	8.198	188	85690	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 82.62%			
100) IS3_Phenanthrene-d10	8.198	188	85690	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 90.41%			
104) IS1_Chrysene-d12	10.728	240	94287	4.000	ug/ml	# 0.00
Standard Area 1 = 108066			Recovery = 87.25%			
113) IS1_Perylene-d12	12.110	264	109606	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 84.75%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.552	112	1190	0.256	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.80%#			
7) Phenol-d6	3.611	99	1784	0.297	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 14.85%#			
19) Nitrobenzene-d5	4.428	82	4430	0.774	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.40%			
46) 2-Fluorobiphenyl	6.193	172	9997	0.658	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.80%			
79) 2,4,6-Tribromophenol	7.557	330	1075	0.416	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 20.80%			
96) 4-Terphenyl-d14	9.775	244	18205	0.826	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.60%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-06.D
Acq On : 26 Aug 2024 05:47 pm
Operator : SV112:ek
Sample : L2447503-06,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 18:14:21 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-06.D
Acq On : 26 Aug 2024 05:47 pm
Operator : SV112:ek
Sample : L2447503-06,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 18:14:21 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

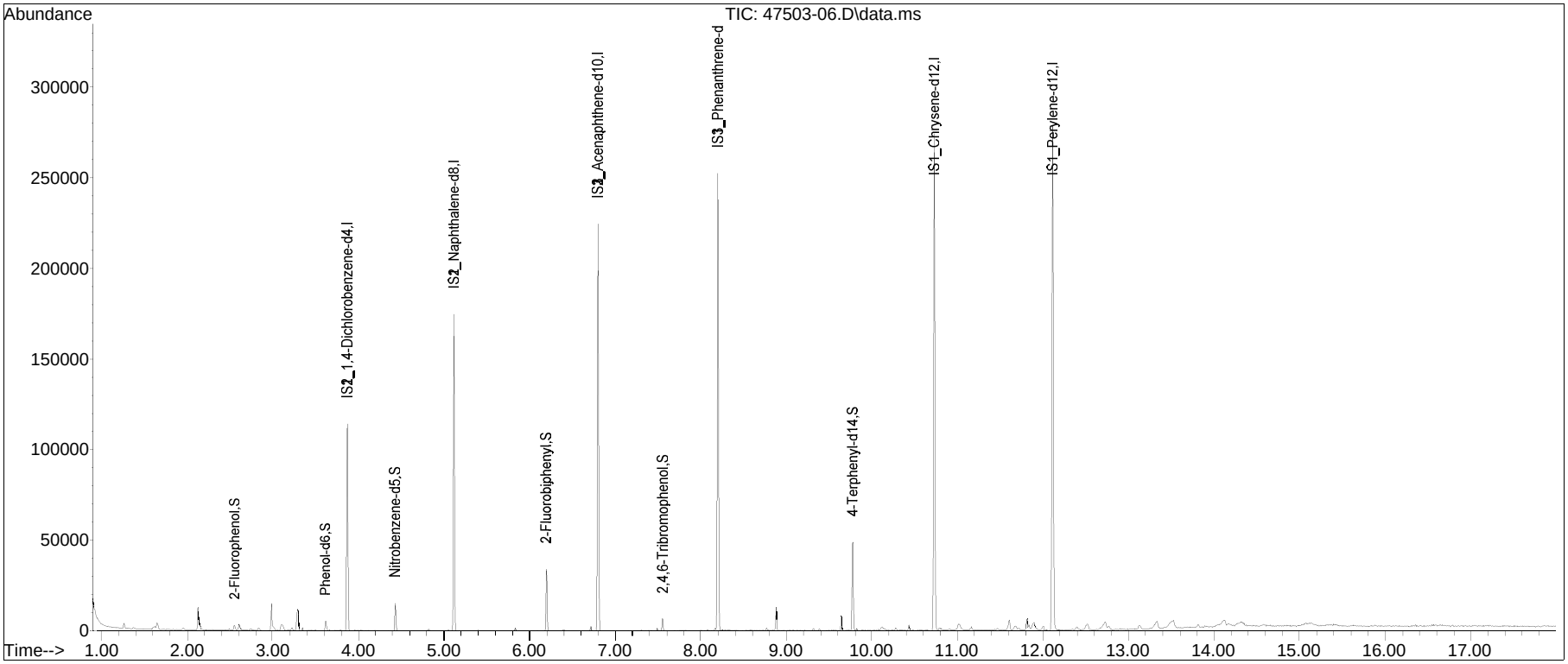
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-06.D
Acq On : 26 Aug 2024 05:47 pm
Operator : SV112:ek
Sample : L2447503-06,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 18:14:21 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-06.D	Operator	: SV112:ek
Date Inj'd	: 8/26/2024 5:47 pm	Instrument	: SV112
Sample	: L2447503-06,32,,HNY	Quant Date	: 8/26/2024 6:06 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-07.D
Acq On : 26 Aug 2024 06:10 pm
Operator : SV112:jg
Sample : L2447503-07,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 14:51:18 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	17911	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 80.84%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	17911	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 92.48%			
35) IS1_Naphthalene-d8	5.116	136	66957	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 83.01%			
55) IS2_Naphthalene-d8	5.116	136	66957	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 92.81%			
63) IS1_Acenaphthene-d10	6.799	164	39948	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 82.17%			
83) IS2_Acenaphthene-d10	6.799	164	39948	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 92.03%			
86) IS3_Acenaphthene-d10	6.799	164	39948	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 94.58%			
88) IS1_Phenanthrene-d10	8.198	188	85029	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 81.98%			
100) IS3_Phenanthrene-d10	8.198	188	85029	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 89.71%			
104) IS1_Chrysene-d12	10.728	240	91262	4.000	ug/ml	0.00
Standard Area 1 = 108066			Recovery = 84.45%			
113) IS1_Perylene-d12	12.110	264	105304	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 81.43%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.552	112	997	0.212	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.60%#			
7) Phenol-d6	3.616	99	1627	0.268	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 13.40%#			
19) Nitrobenzene-d5	4.428	82	4110	0.709	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.90%			
46) 2-Fluorobiphenyl	6.193	172	9669	0.639	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.90%			
79) 2,4,6-Tribromophenol	7.557	330	878	0.342	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 17.10%			
96) 4-Terphenyl-d14	9.769	244	16380	0.749	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.90%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-07.D
Acq On : 26 Aug 2024 06:10 pm
Operator : SV112:jg
Sample : L2447503-07,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 14:51:18 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-07.D
Acq On : 26 Aug 2024 06:10 pm
Operator : SV112:jg
Sample : L2447503-07,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 14:51:18 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
87)	Atrazine	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.		
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.		
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

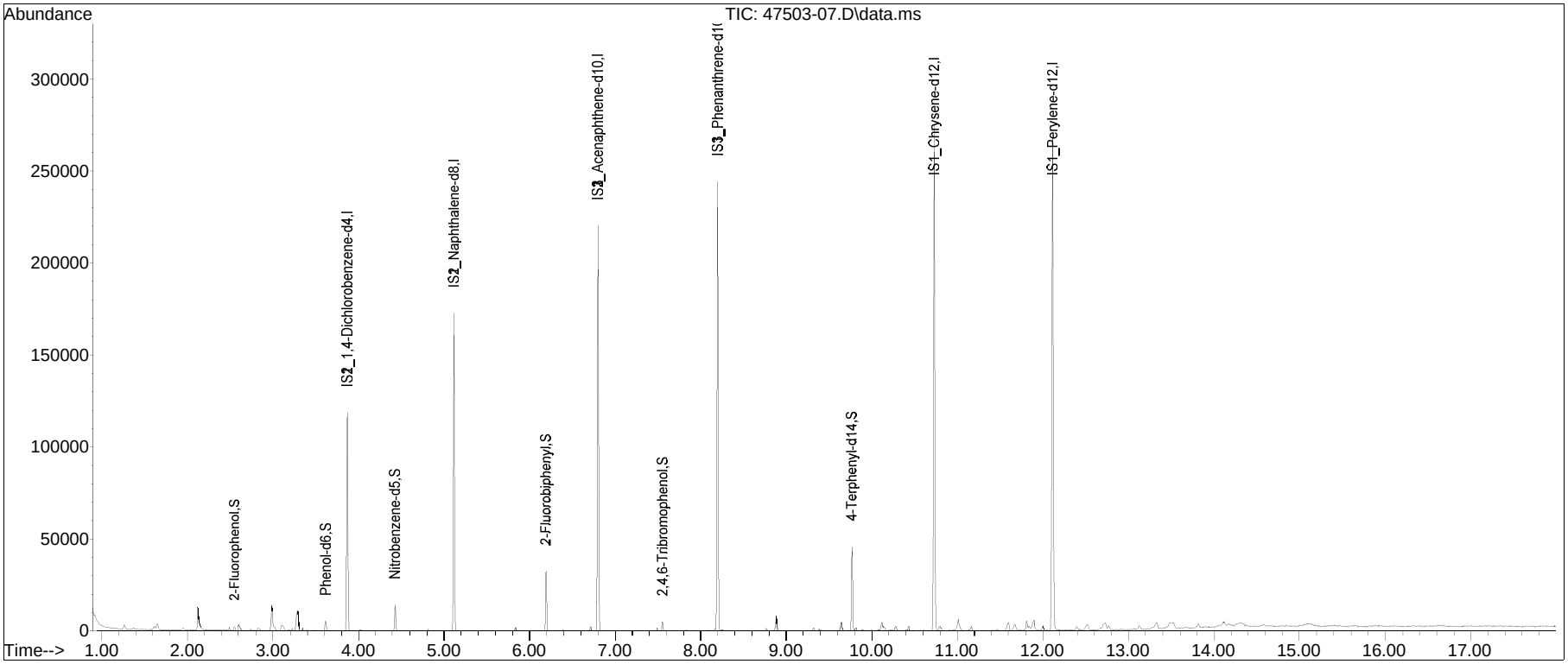
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-07.D
Acq On : 26 Aug 2024 06:10 pm
Operator : SV112:jg
Sample : L2447503-07,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 14:51:18 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-07.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 6:10 pm	Instrument	: SV112
Sample	: L2447503-07,32,,HNY	Quant Date	: 8/26/2024 6:28 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-08.D
Acq On : 26 Aug 2024 07:18 pm
Operator : SV112:jg
Sample : L2447503-08,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 14:52:01 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	18852	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 85.09%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	18852	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 97.34%			
35) IS1_Naphthalene-d8	5.116	136	70076	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 86.87%			
55) IS2_Naphthalene-d8	5.116	136	70076	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 97.13%			
63) IS1_Acenaphthene-d10	6.798	164	42597	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 87.62%			
83) IS2_Acenaphthene-d10	6.798	164	42597	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 98.13%			
86) IS3_Acenaphthene-d10	6.798	164	42597	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 100.85%			
88) IS1_Phenanthrene-d10	8.198	188	89800	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 86.58%			
100) IS3_Phenanthrene-d10	8.198	188	89800	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 94.75%			
104) IS1_Chrysene-d12	10.728	240	96221	4.000	ug/ml	0.00
Standard Area 1 = 108066			Recovery = 89.04%			
113) IS1_Perylene-d12	12.110	264	110498	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 85.44%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.552	112	4947	0.999	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.95%			
7) Phenol-d6	3.610	99	4318	0.675	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.75%			
19) Nitrobenzene-d5	4.428	82	4723	0.774	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.40%			
46) 2-Fluorobiphenyl	6.193	172	10664	0.673	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.30%			
79) 2,4,6-Tribromophenol	7.557	330	3907	1.429	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 71.45%			
96) 4-Terphenyl-d14	9.769	244	17714	0.767	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.70%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-08.D
Acq On : 26 Aug 2024 07:18 pm
Operator : SV112:jg
Sample : L2447503-08,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 14:52:01 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.628	94	2608	0.351	ug/ml	94
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-08.D
Acq On : 26 Aug 2024 07:18 pm
Operator : SV112:jg
Sample : L2447503-08,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 14:52:01 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

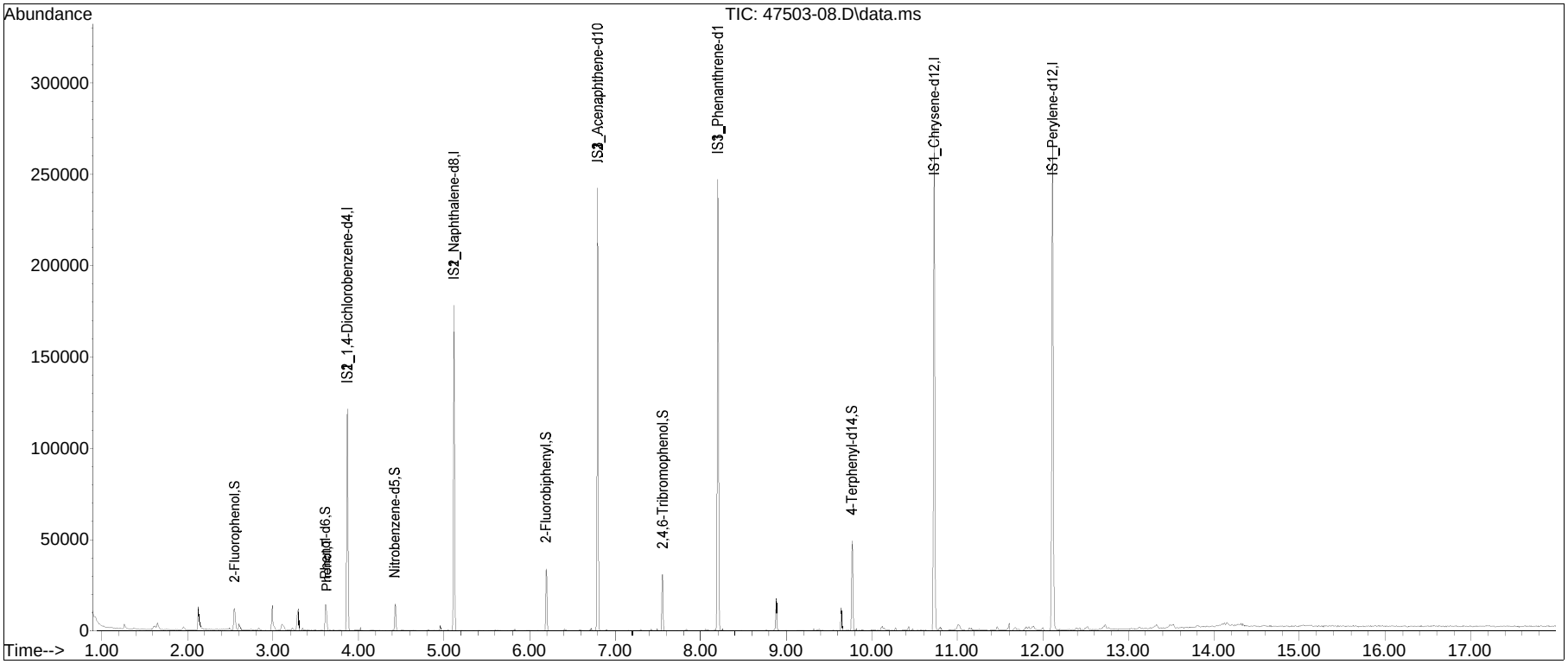
(#) = qualifier out of range (m) = manual integration (+) = signals summed

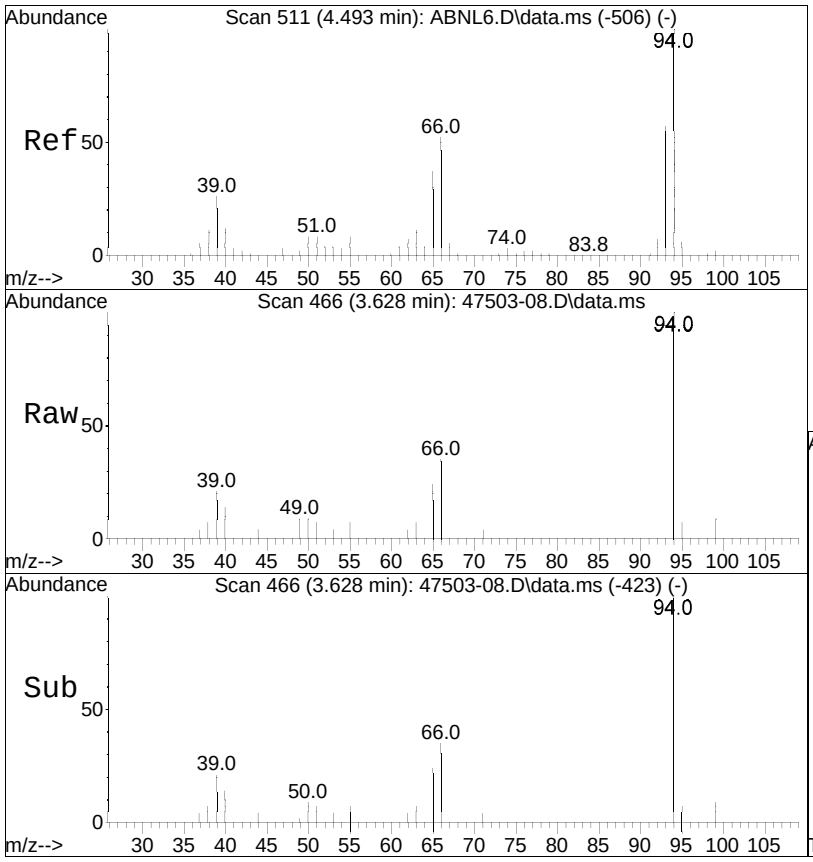
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-08.D
Acq On : 26 Aug 2024 07:18 pm
Operator : SV112:jg
Sample : L2447503-08,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 14:52:01 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

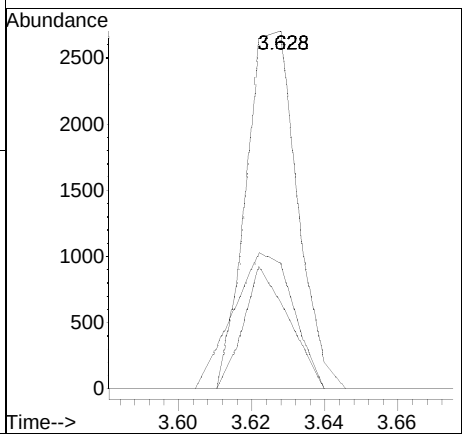




#8
Phenol
Concen: 0.35 ug/ml
RT: 3.628 min Scan# 466
Delta R.T. 0.006 min
Lab File: 47503-08.D
Acq: 26 Aug 2024 07:18 pm

Tgt Ion: 94 Resp: 2608

Ion	Ratio	Lower	Upper
94	100		
65	30.3	23.0	34.6
66	44.9	32.1	48.1



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-08.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 7:18 pm	Instrument	: SV112
Sample	: L2447503-08,32,,HNY	Quant Date	: 8/26/2024 7:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-09.D
Acq On : 26 Aug 2024 07:41 pm
Operator : SV112:jg
Sample : L2447503-09,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 14:52:29 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	18827	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 84.98%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	18827	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 97.21%			
35) IS1_Naphthalene-d8	5.116	136	69220	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 85.81%			
55) IS2_Naphthalene-d8	5.116	136	69220	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 95.95%			
63) IS1_Acenaphthene-d10	6.799	164	40895	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 84.12%			
83) IS2_Acenaphthene-d10	6.799	164	40895	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 94.21%			
86) IS3_Acenaphthene-d10	6.799	164	40895	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 96.82%			
88) IS1_Phenanthrene-d10	8.198	188	87970	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 84.81%			
100) IS3_Phenanthrene-d10	8.198	188	87970	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 92.82%			
104) IS1_Chrysene-d12	10.728	240	93766	4.000	ug/ml	0.00
Standard Area 1 = 108066			Recovery = 86.77%			
113) IS1_Perylene-d12	12.110	264	108392	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 83.81%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.552	112	4176	0.845	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.25%			
7) Phenol-d6	3.610	99	3954	0.619	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.95%			
19) Nitrobenzene-d5	4.428	82	4350	0.714	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.40%			
46) 2-Fluorobiphenyl	6.193	172	10178	0.650	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.00%			
79) 2,4,6-Tribromophenol	7.557	330	3181	1.212	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.60%			
96) 4-Terphenyl-d14	9.769	244	16657	0.736	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.60%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-09.D
Acq On : 26 Aug 2024 07:41 pm
Operator : SV112:jg
Sample : L2447503-09,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 14:52:29 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.628	94	671	0.090	ug/ml#	40
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-09.D
Acq On : 26 Aug 2024 07:41 pm
Operator : SV112:jg
Sample : L2447503-09,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 14:52:29 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

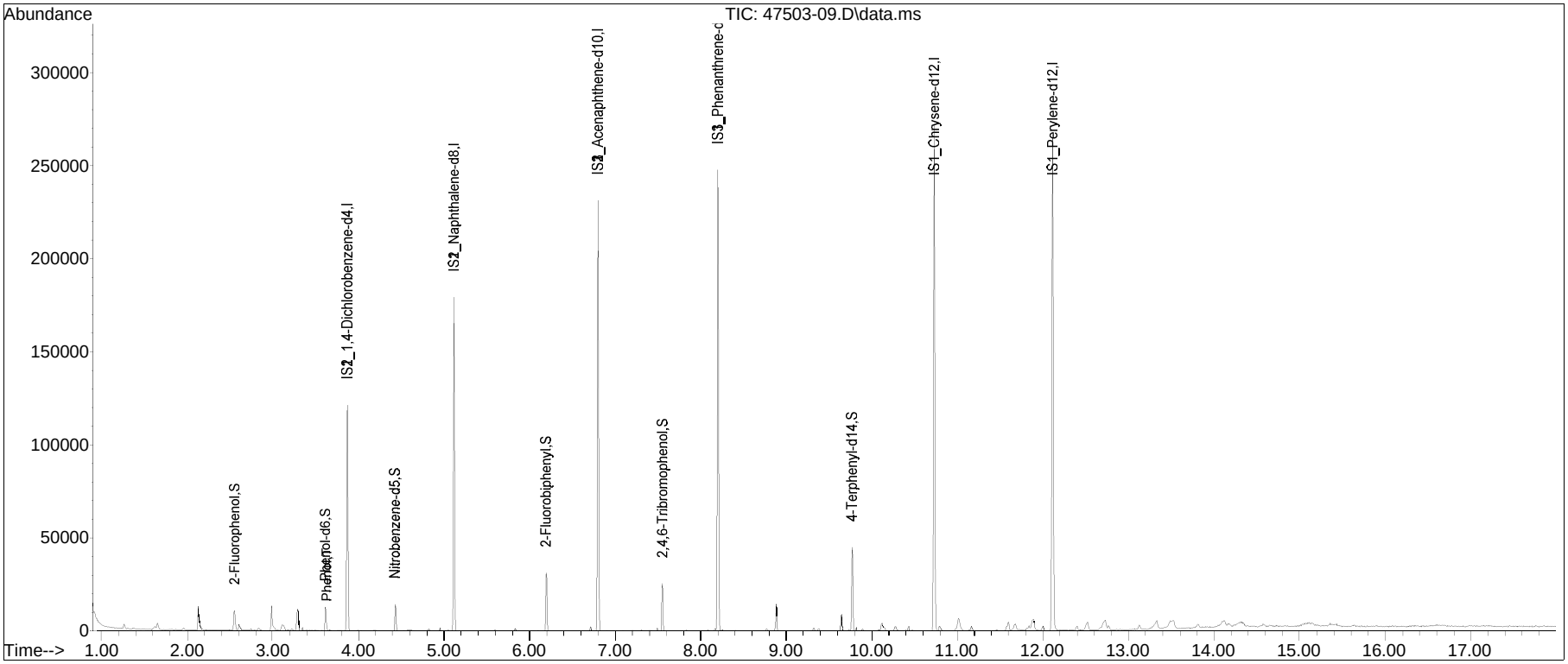
(#) = qualifier out of range (m) = manual integration (+) = signals summed

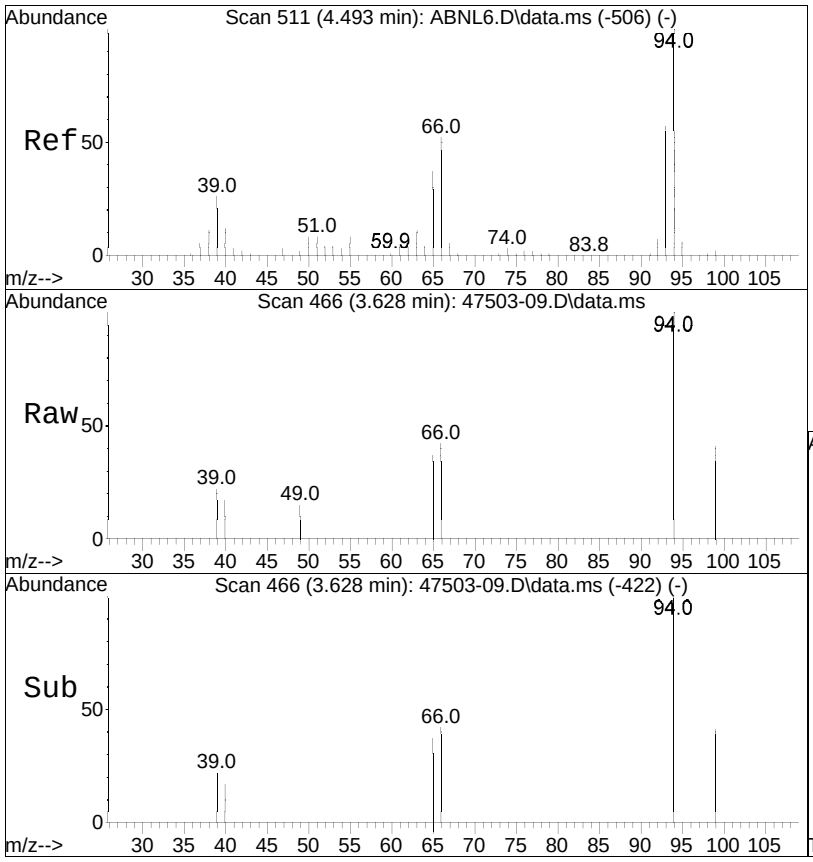
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-09.D
Acq On : 26 Aug 2024 07:41 pm
Operator : SV112:jg
Sample : L2447503-09,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 14:52:29 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

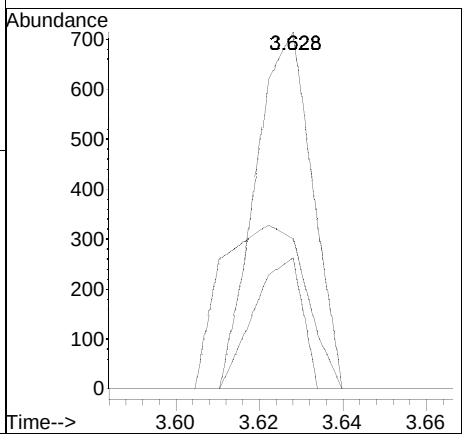




#8
Phenol
Concen: 0.09 ug/ml
RT: 3.628 min Scan# 466
Delta R.T. 0.006 min
Lab File: 47503-09.D
Acq: 26 Aug 2024 07:41 pm

Tgt Ion: 94 Resp: 671

Ion	Ratio	Lower	Upper
94	100		
65	0.0	23.0	34.6#
66	0.0	32.1	48.1#



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-09.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 7:41 pm	Instrument	: SV112
Sample	: L2447503-09,32,,HNY	Quant Date	: 8/26/2024 7:59 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-10.D
Acq On : 26 Aug 2024 08:04 pm
Operator : SV112:jg
Sample : L2447503-10,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 14:52:39 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	17323	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 78.19%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	17323	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 89.44%				
35) IS1_Naphthalene-d8	5.116	136	65550	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 81.26%				
55) IS2_Naphthalene-d8	5.116	136	65550	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 90.86%				
63) IS1_Acenaphthene-d10	6.799	164	39124	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 80.48%				
83) IS2_Acenaphthene-d10	6.799	164	39124	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 90.13%				
86) IS3_Acenaphthene-d10	6.799	164	39124	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 92.63%				
88) IS1_Phenanthrene-d10	8.199	188	84760	4.000	ug/ml	#	0.00
Standard Area 1 = 103722			Recovery = 81.72%				
100) IS3_Phenanthrene-d10	8.199	188	84760	4.000	ug/ml	#	0.00
Standard Area 2 = 94779			Recovery = 89.43%				
104) IS1_Chrysene-d12	10.728	240	88907	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 82.27%				
113) IS1_Perylene-d12	12.110	264	104413	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 80.74%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.546	112	4363	0.959	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.95%				
7) Phenol-d6	3.611	99	3818	0.650	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.50%				
19) Nitrobenzene-d5	4.428	82	3926	0.701	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.10%				
46) 2-Fluorobiphenyl	6.193	172	9096	0.614	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.40%				
79) 2,4,6-Tribromophenol	7.557	330	3292	1.311	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 65.55%				
96) 4-Terphenyl-d14	9.769	244	15600	0.716	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.60%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-10.D
Acq On : 26 Aug 2024 08:04 pm
Operator : SV112:jg
Sample : L2447503-10,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 14:52:39 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	3.622	94	1482	0.217	ug/ml#	74
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-10.D
Acq On : 26 Aug 2024 08:04 pm
Operator : SV112:jg
Sample : L2447503-10,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 14:52:39 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

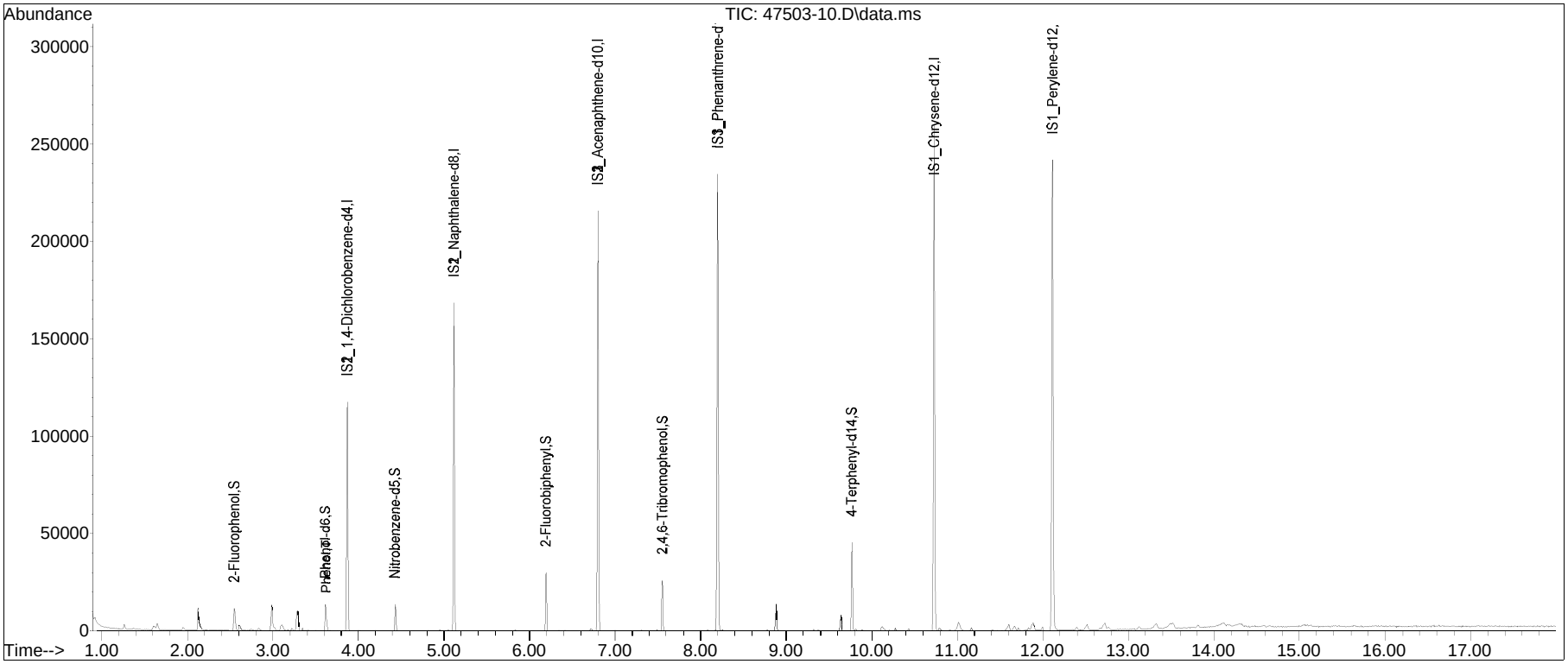
(#) = qualifier out of range (m) = manual integration (+) = signals summed

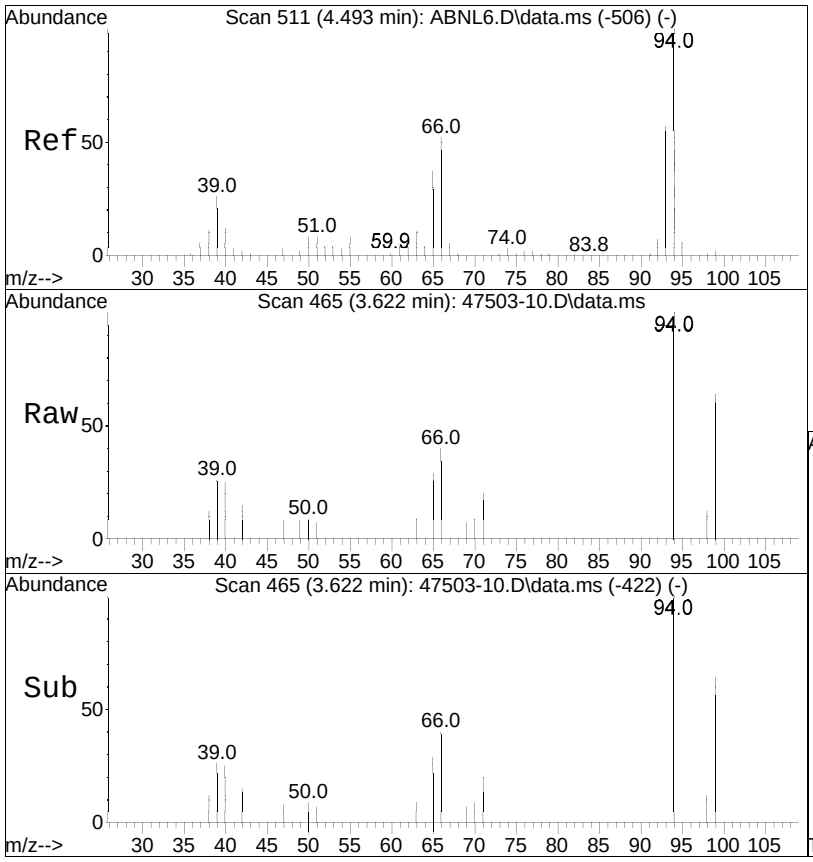
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-10.D
Acq On : 26 Aug 2024 08:04 pm
Operator : SV112:jg
Sample : L2447503-10,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 14:52:39 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

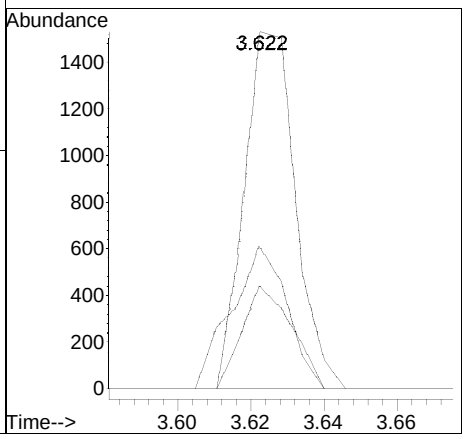




#8
Phenol
Concen: 0.22 ug/ml
RT: 3.622 min Scan# 465
Delta R.T. 0.000 min
Lab File: 47503-10.D
Acq: 26 Aug 2024 08:04 pm

Tgt Ion: 94 Resp: 1482

Ion	Ratio	Lower	Upper
94	100		
65	0.0	23.0	34.6#
66	43.5	32.1	48.1



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-10.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 8:04 pm	Instrument	: SV112
Sample	: L2447503-10,32,,HNY	Quant Date	: 8/26/2024 8:22 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-11.D
Acq On : 26 Aug 2024 08:26 pm
Operator : SV112:jg
Sample : L2447503-11,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 14:52:49 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	18518	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 83.58%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	18518	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 95.61%				
35) IS1_Naphthalene-d8	5.116	136	68208	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 84.56%				
55) IS2_Naphthalene-d8	5.116	136	68208	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 94.54%				
63) IS1_Acenaphthene-d10	6.799	164	42500	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 87.42%				
83) IS2_Acenaphthene-d10	6.799	164	42500	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 97.91%				
86) IS3_Acenaphthene-d10	6.799	164	42500	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 100.63%				
88) IS1_Phenanthrene-d10	8.198	188	90889	4.000	ug/ml		0.00
Standard Area 1 = 103722			Recovery = 87.63%				
100) IS3_Phenanthrene-d10	8.198	188	90889	4.000	ug/ml		0.00
Standard Area 2 = 94779			Recovery = 95.90%				
104) IS1_Chrysene-d12	10.728	240	99016	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 91.63%				
113) IS1_Perylene-d12	12.110	264	113997	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 88.15%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.552	112	1509	0.310	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 15.50%				
7) Phenol-d6	3.616	99	2489	0.396	ug/ml		0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 19.80%				
19) Nitrobenzene-d5	4.428	82	3883	0.648	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.80%				
46) 2-Fluorobiphenyl	6.193	172	9352	0.606	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 60.60%				
79) 2,4,6-Tribromophenol	7.557	330	1399	0.513	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.65%				
96) 4-Terphenyl-d14	9.769	244	16644	0.712	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.20%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-11.D
Acq On : 26 Aug 2024 08:26 pm
Operator : SV112:jg
Sample : L2447503-11,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 14:52:49 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-11.D
Acq On : 26 Aug 2024 08:26 pm
Operator : SV112:jg
Sample : L2447503-11,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 14:52:49 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	

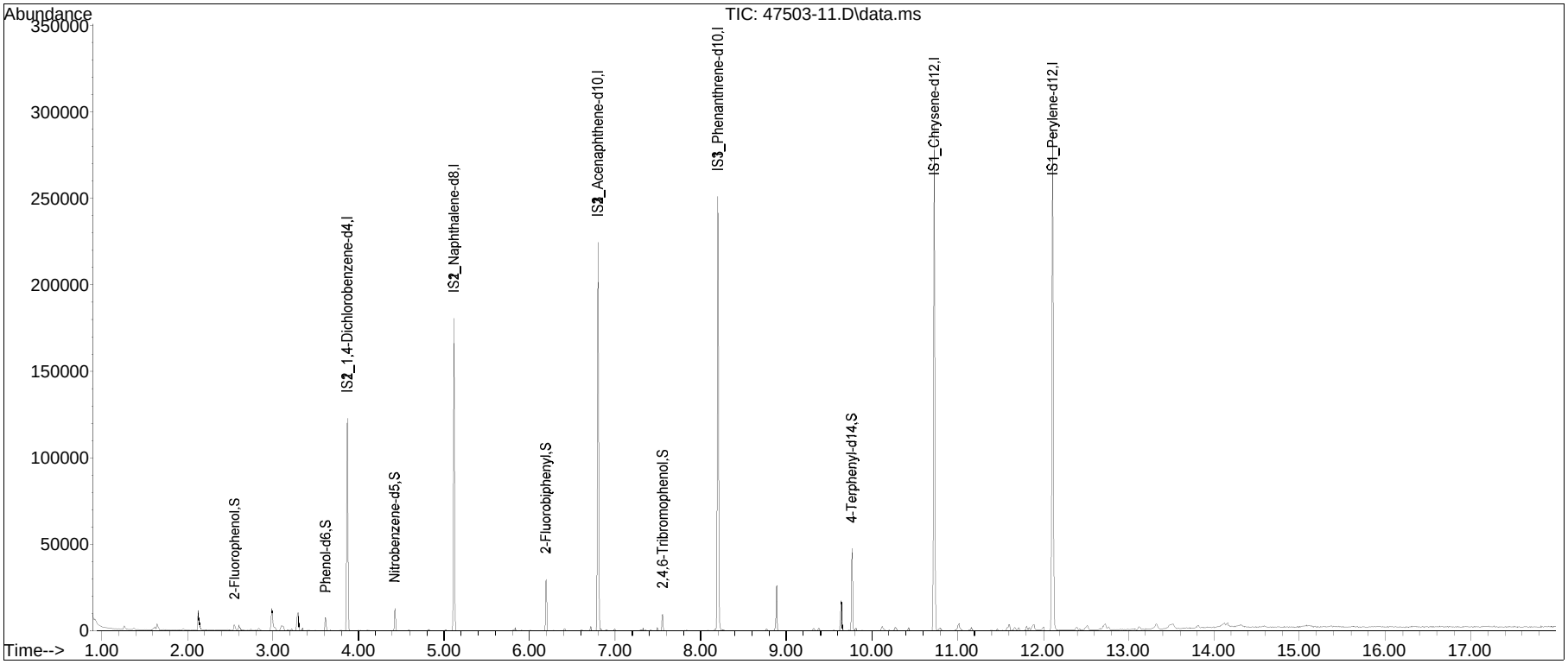
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 47503-11.D
Acq On : 26 Aug 2024 08:26 pm
Operator : SV112:jg
Sample : L2447503-11,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 14:52:49 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 47503-11.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 8:26 pm	Instrument	: SV112
Sample	: L2447503-11,32,,HNY	Quant Date	: 8/26/2024 8:45 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 4:46 pm
Operator : SV106:im
Sample : L2447503-02,32,,RE,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 18:04:13 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 13:32:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.234	152	38146	4.000	ug/ml	# 0.00
Standard Area 1 = 45917			Recovery = 83.08%			
27) IS2_1,4-Dichlorobenzen...	6.234	152	38146	4.000	ug/ml	# 0.00
Standard Area 3 = 36294			Recovery = 105.10%			
35) IS1_Naphthalene-d8	7.675	136	137180	4.000	ug/ml	# 0.00
Standard Area 1 = 173745			Recovery = 78.95%			
55) IS2_Naphthalene-d8	7.675	136	137180	4.000	ug/ml	# 0.00
Standard Area 3 = 126390			Recovery = 108.54%			
63) IS1_Acenaphthene-d10	9.439	164	87453	4.000	ug/ml	0.00
Standard Area 1 = 117972			Recovery = 74.13%			
83) IS2_Acenaphthene-d10	9.439	164	87453	4.000	ug/ml	0.00
Standard Area 3 = 82293			Recovery = 106.27%			
86) IS3_Acenaphthene-d10	9.439	164	87453	4.000	ug/ml	0.00
Standard Area 2 = 99896			Recovery = 87.54%			
88) IS1_Phenanthrene-d10	10.875	188	166948	4.000	ug/ml	# 0.00
Standard Area 1 = 251960			Recovery = 66.26%			
100) IS3_Phenanthrene-d10	10.875	188	166948	4.000	ug/ml	# 0.00
Standard Area 2 = 214594			Recovery = 77.80%			
104) IS1_Chrysene-d12	13.486	240	190336	4.000	ug/ml	0.00
Standard Area 1 = 246745			Recovery = 77.14%			
113) IS1_Perylene-d12	14.939	264	207302	4.000	ug/ml	0.01
Standard Area 1 = 274826			Recovery = 75.43%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.187	112	5526	0.501	ug/ml	0.04
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.05%			
7) Phenol-d6	5.875	99	6269	0.415	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 20.75%			
19) Nitrobenzene-d5	6.904	82	12999	0.842	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.20%			
46) 2-Fluorobiphenyl	8.804	172	23112	0.656	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.60%			
79) 2,4,6-Tribromophenol	10.204	330	3586	0.658	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.90%			
96) 4-Terphenyl-d14	12.457	244	35625	0.794	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.40%			

Data Path : I:\8270\SV106\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 4:46 pm
Operator : SV106:im
Sample : L2447503-02,32,,RE,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 18:04:13 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 13:32:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	5.887	94	3086	0.197	ug/ml#	66
9) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.	d	
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.	d	
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
71) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.		
72) Diethyl phthalate	9.916	149	6229	0.186	ug/ml	98
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		

Data Path : I:\8270\SV106\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 4:46 pm
Operator : SV106:im
Sample : L2447503-02,32,,RE,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 18:04:13 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 13:32:58 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
87)	Atrazine	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

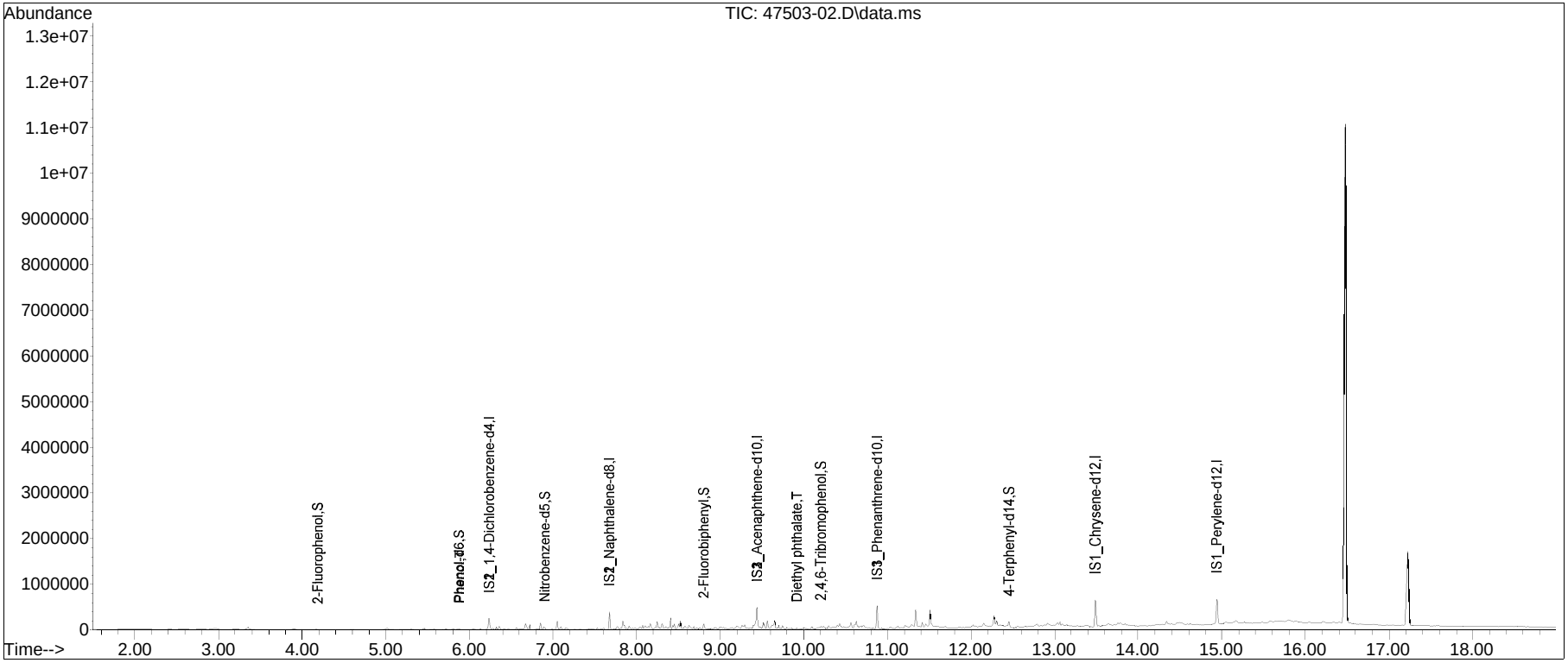
(#) = qualifier out of range (m) = manual integration (+) = signals summed

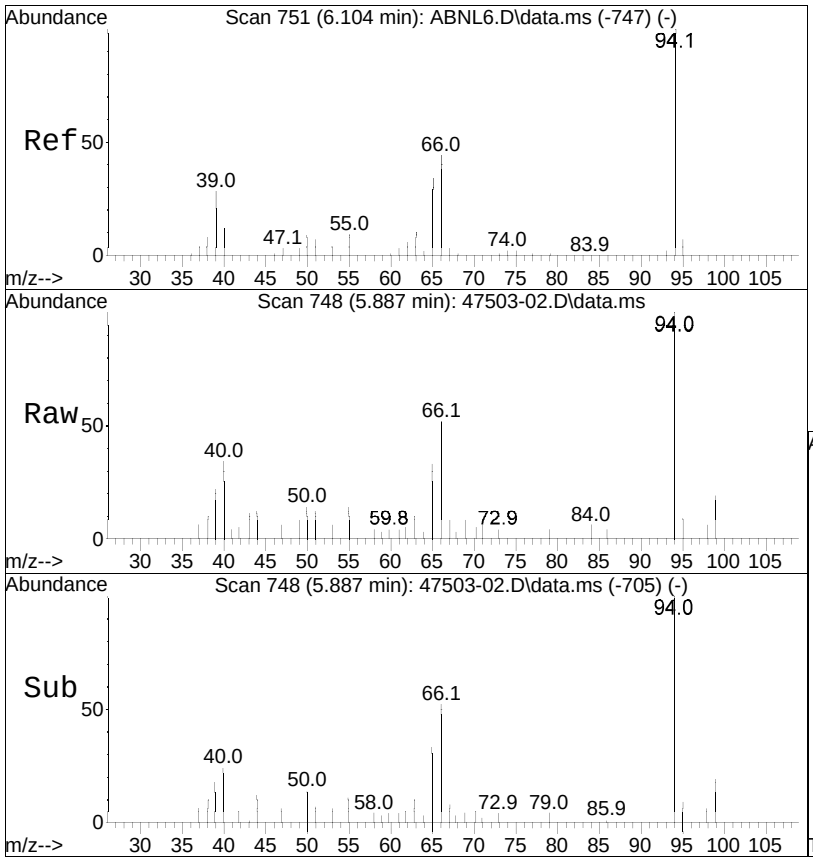
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 4:46 pm
Operator : SV106:im
Sample : L2447503-02,32,,RE,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 18:04:13 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 13:32:58 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90827.D•

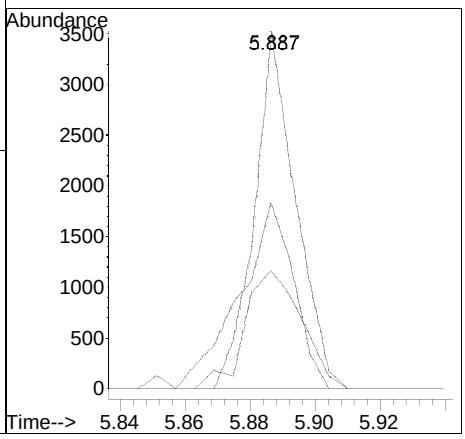


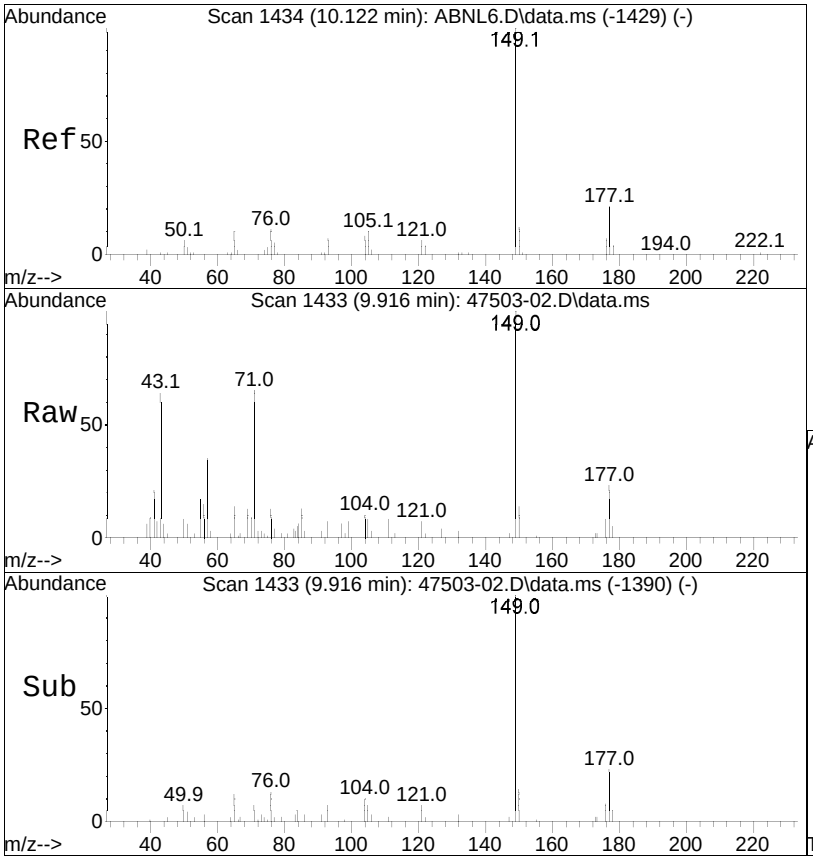


#8
Phenol
Concen: 0.20 ug/ml
RT: 5.887 min Scan# 748
Delta R.T. 0.006 min
Lab File: 47503-02.D
Acq: 27 Aug 2024 4:46 pm

Tgt Ion: 94 Resp: 3086

Ion	Ratio	Lower	Upper
94	100		
65	45.6	26.0	39.0#
66	68.7	33.8	50.8#

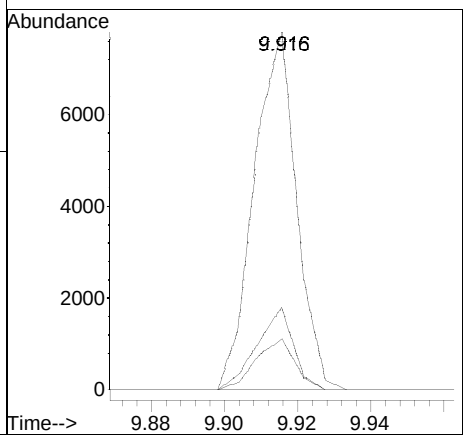




#72
Diethyl phthalate
Concen: 0.19 ug/ml
RT: 9.916 min Scan# 1433
Delta R.T. 0.006 min
Lab File: 47503-02.D
Acq: 27 Aug 2024 4:46 pm

Tgt Ion:149 Resp: 6229

Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.1	24.1
150	13.2	9.4	14.2



Manual Integration Report

Data Path	: I:\8270\SV106\240827RVT\	QMethod	: FS240624SV106.m
Data File	: 47503-02.D	Operator	: SV106:im
Date Inj'd	: 8/27/2024 4:46 pm	Instrument	: SV 106
Sample	: L2447503-02,32,,RE,gmr	Quant Date	: 8/27/2024 5:06 pm

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21225**
Calibration dates	**: 06/18/24 12:22 06/19/24 00:04**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine		0.786	0.710	0.659	0.643	0.654	0.698	0.677	0.732	0.695	6.84
3)	t	Pyridine		1.167	1.172	1.102	1.108	1.037	1.126	1.101	1.200	1.127	4.59
4)	S	2-Fluorophenol	0.966	1.260	0.955	1.007	0.936	1.001	1.026	1.025	1.074	1.028	9.40
5)	T	Aniline	1.975	1.916	1.678	1.563	1.542	1.601	1.678	1.666	1.737	1.706	8.77
6)	t	2-Chlorophenol	1.163	1.229	1.077	1.150	1.082	1.142	1.192	1.135	1.183	1.150	4.30
7)	S	Phenol-d6	1.400	1.288	1.294	1.315	1.217	1.212	1.299	1.291	1.359	1.297	4.61
8)	T	Phenol	1.495	1.615	1.513	1.477	1.422	1.453	1.560	1.499	1.569	1.512	4.02
9)	T	bis(2-Chloroethyl)ether	1.103	1.096	1.013	0.989	0.913	0.947	0.978	0.928	0.954	0.991	6.92
10)	T	1,3-Dichlorobenzene	1.343	1.761	1.529	1.484	1.405	1.440	1.490	1.433	1.437	1.480	7.98
11)	T	1,4-Dichlorobenzene	1.595	1.895	1.595	1.442	1.439	1.448	1.518	1.434	1.426	1.533	9.91
12)	T	1,2-Dichlorobenzene	1.606	1.609	1.547	1.392	1.375	1.377	1.429	1.376	1.376	1.454	7.06
13)	t	Benzyl alcohol	0.911	0.950	1.014	0.966	0.932	0.973	0.990	0.987	1.032	0.973	3.93
14)	T	bis(2-chloroisopropyl)ether	1.803	1.815	1.510	1.419	1.363	1.383	1.398	1.292	1.319	1.478	13.36
15)	T	2-Methylphenol	1.218	1.214	0.982	0.963	0.925	1.017	1.017	1.001	1.012	1.039	10.08
16)	T	Hexachloroethane		0.695	0.507	0.565	0.514	0.517	0.531	0.509	0.515	0.544	11.71
17)	T	n-Nitrosodi-n-propylamine	1.091	1.001	0.903	0.900	0.827	0.860	0.909	0.856	0.861	0.912	9.17
18)	T	3-Methylphenol/4-Methylphenol	1.189	1.295	1.008	1.043	1.023	1.043	1.120	1.067	1.070	1.095	8.48
19)	S	Nitrobenzene-d5	1.765	1.446	1.351	1.259	1.258	1.269	1.329	1.259	1.252	1.354	12.34
20)	T	Nitrobenzene	1.439	1.498	1.317	1.262	1.173	1.229	1.289	1.244	1.230	1.298	8.15
21)	T	Isophorone	2.502	2.250	2.352	2.205	2.129	2.261	2.306	2.231	2.240	2.275	4.63
22)	T	2-Nitrophenol		0.607	0.719	0.623	0.592	0.606	0.680	0.661	0.665	0.644	6.87
23)	T	2,4-Dimethylphenol	1.033	1.391	1.133	1.039	1.035	1.055	1.066	1.042	1.077	1.097	10.45
24)	T	bis(2-Chloroethoxy)methane	1.630	1.649	1.413	1.388	1.309	1.344	1.329	1.277	1.249	1.398	10.40
25)	T	2,4-Dichlorophenol	1.286	1.302	1.222	1.155	1.185	1.232	1.294	1.228	1.232	1.237	4.00
26)	T	1,2,4-Trichlorobenzene	1.757	1.841	1.645	1.517	1.399	1.464	1.478	1.411	1.383	1.544	10.74
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.135	0.979	1.006	1.075	0.994	1.006	1.038	1.051	1.038	1.036	4.62
29)	T	Acetophenone	1.665	1.844	1.789	1.723	1.699	1.725	1.849	1.854	1.795	1.772	3.99
30)	T	m-Toluidine	1.396	1.716	1.696	1.765	1.679	1.715	1.813	1.807	1.746	1.704	7.30
31)	T	2-Chloroaniline	1.565	1.723	1.683	1.684	1.566	1.595	1.688	1.688	1.636	1.648	3.58
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.495	0.453	0.520	0.424	0.404	0.435	0.431	0.437	0.450	8.61
34)	T	n-Decane	1.139	1.163	1.122	1.252	0.968	0.909	0.993	1.000	0.983	1.059	10.71
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.276	1.259	1.073	0.993	0.962	0.936	0.997	0.951	0.928	1.042	12.95

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21225**
Calibration dates	**: 06/18/24 12:22 06/19/24 00:04**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid				0.135	0.174	0.199	0.230	0.265	0.280	*L	0.9962
38)	T	4-Chloroaniline		0.177	0.129	0.114	0.112	0.120	0.120	0.120	0.124	0.127	16.33
39)	T	Hexachlorobutadiene	0.265	0.296	0.259	0.242	0.232	0.229	0.251	0.238	0.240	0.250	8.38
40)	T	p-Chloro-m-cresol	0.286	0.297	0.322	0.274	0.264	0.276	0.291	0.296	0.312	0.291	6.36
41)	T	2-Methylnaphthalene	0.861	0.883	0.773	0.720	0.682	0.689	0.724	0.702	0.708	0.749	9.97
42)	T	1-Methylnaphthalene	0.295	0.290	0.252	0.238	0.215	0.221	0.240	0.223	0.236	0.245	11.80
43)	T	Hexachlorocyclopentadiene	0.286	0.327	0.305	0.280	0.271	0.266	0.292	0.285	0.298	0.290	6.37
44)	T	2,4,6-Trichlorophenol	0.298	0.334	0.308	0.269	0.272	0.271	0.302	0.302	0.307	0.296	7.24
45)	T	2,4,5-Trichlorophenol	0.313	0.335	0.307	0.327	0.296	0.302	0.320	0.323	0.325	0.316	4.04
46)	S	2-Fluorobiphenyl	1.201	1.208	1.058	0.976	0.922	0.925	0.942	0.908	0.884	1.003	12.42
47)	T	2-Chloronaphthalene	0.918	1.007	0.856	0.817	0.768	0.771	0.798	0.773	0.768	0.830	10.01
48)	T	2-Nitroaniline		0.231	0.214	0.224	0.192	0.206	0.228	0.235	0.239	0.221	7.19
49)	T	1,4-Dinitrobenzene		0.123	0.135	0.107	0.102	0.109	0.117	0.122	0.125	0.117	9.29
50)	T	1,3-Dinitrobenzene	0.118	0.134	0.117	0.121	0.117	0.127	0.134	0.136	0.137	0.127	6.88
51)	T	Dimethyl phthalate	1.326	1.213	1.060	0.985	0.935	0.940	0.968	0.946	0.918	1.032	13.89
52)	T	Acenaphthylene	1.407	1.352	1.319	1.237	1.170	1.177	1.203	1.170	1.122	1.240	7.84
53)	T	2,6-Dinitrotoluene		0.245	0.202	0.186	0.188	0.192	0.211	0.202	0.204	0.204	9.27
54)	T	1,2-Dinitrobenzene		0.075	0.070	0.072	0.072	0.077	0.075	0.076	0.076	0.074	3.47
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.245	0.276	0.278	0.259	0.265	0.261	0.280	0.283	0.277	0.269	4.67
57)	T	3-Chloroaniline	0.134	0.150	0.172	0.148	0.147	0.146	0.150	0.153	0.150	0.150	6.48
58)	T	2,6-Dichlorophenol	0.381	0.339	0.390	0.378	0.366	0.372	0.392	0.391	0.368	0.375	4.50
59)	T	1-chloro-2-nitrobenzene	0.164	0.163	0.167	0.153	0.150	0.147	0.151	0.155	0.149	0.155	4.71
60)	T	Caprolactam		0.116	0.116	0.129	0.137	0.135	0.145	0.147	0.145	0.134	9.32
61)	T	1,2,4,5-Tetrachlorobenzene	0.538	0.544	0.514	0.500	0.495	0.481	0.489	0.485	0.450	0.499	5.85
62)	T	Biphenyl	1.101	1.175	1.077	1.103	1.092	1.039	1.068	1.015	0.948	1.069	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline		0.344	0.276	0.272	0.279	0.281	0.307	0.308	0.308	0.297	8.21
65)	T	Acenaphthene		1.465	1.101	1.076	0.989	1.003	1.037	0.999	0.977	1.081	14.92
66)	T	2,4-Dinitrophenol			0.130	0.159	0.178	0.193	0.220	0.227	0.230	*L	0.9988
67)	T	Dibenzofuran	2.444	2.207	2.008	1.908	1.732	1.749	1.793	1.675	1.611	1.903	14.37
68)	T	2,4-Dinitrotoluene	0.381	0.432	0.363	0.396	0.390	0.400	0.430	0.430	0.415	0.404	6.06
69)	T	4-Nitrophenol	0.265	0.255	0.252	0.232	0.235	0.236	0.252	0.255	0.256	0.249	4.62
70)	T	2,3,5,6-Tetrachlorophenol	0.510	0.483	0.394	0.395	0.396	0.396	0.435	0.423	0.416	0.428	9.89
71)	T	2,3,4,6-Tetrachlorophenol			0.417	0.398	0.387	0.395	0.413	0.398	0.397	0.401	2.58
72)	T	Diethyl phthalate	1.789	2.017	1.526	1.478	1.418	1.419	1.476	1.392	1.369	1.543	14.10

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21225**
Calibration dates	**: 06/18/24 12:22 06/19/24 00:04**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.688	1.764	1.449	1.417	1.352	1.340	1.410	1.331	1.284	1.448	11.47
74)	T	4-Chlorophenyl-phenylether		0.958	0.757	0.759	0.701	0.687	0.724	0.667	0.648	0.738	13.19
75)	T	4-Nitroaniline	0.314	0.248	0.290	0.297	0.281	0.286	0.309	0.309	0.298	0.292	6.89
76)	T	4,6-Dinitro-o-cresol			0.205	0.224	0.235	0.259	0.285	0.291	0.285	0.255	13.41
77)	T	NDPA/DPA	1.538	1.476	1.207	1.264	1.147	1.148	1.202	1.126	1.079	1.243	12.82
78)	T	Azobenzene	1.323	1.527	1.290	1.285	1.173	1.166	1.240	1.157	1.111	1.252	10.01
79)	S	2,4,6-Tribromophenol	0.182	0.270	0.271	0.279	0.256	0.257	0.283	0.275	0.281	0.261	11.95
80)	T	4-Bromophenyl-phenylether	0.601	0.587	0.470	0.494	0.454	0.437	0.469	0.451	0.453	0.491	12.38
81)	T	Hexachlorobenzene	0.746	0.724	0.663	0.600	0.527	0.546	0.562	0.562	0.555	0.609	13.36
82)	T	Pentachlorophenol				0.345	0.322	0.349	0.385	0.402	0.409	0.369	9.46
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.204	0.206	0.221	0.252	0.259	0.271	0.236	12.17
85)	T	Pentachloronitrobenzene		0.211	0.196	0.204	0.212	0.227	0.237	0.239	0.234	0.220	7.35
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.501	0.434	0.457	0.488	0.408	0.387	0.461	0.446	0.469	0.450	8.03
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.389	1.311	1.143	1.041	0.979	0.989	1.003	0.964	0.915	1.081	15.31
90)	T	Anthracene	1.202	1.198	1.134	1.011	0.994	0.974	1.012	0.958	0.903	1.043	10.37
91)	T	Carbazole	1.139	1.126	1.022	0.962	0.926	0.934	0.973	0.927	0.883	0.988	9.13
92)	T	Di-n-butylphthalate	1.240	1.248	1.138	1.064	1.059	1.094	1.148	1.123	1.096	1.134	6.08
93)	T	Fluoranthene	1.648	1.516	1.382	1.290	1.193	1.215	1.239	1.223	1.145	1.317	12.71
94)	T	Benzidine	0.694	0.758	0.715	0.714	0.693	0.728	0.780	0.777	0.744	0.734	4.50
95)	T	Pyrene	1.677	1.499	1.398	1.405	1.256	1.283	1.303	1.242	1.138	1.356	11.86
96)	S	4-Terphenyl-d14	1.355	1.182	1.079	1.027	0.961	0.960	0.994	0.924	0.879	1.040	14.25
97)	T	Butyl benzyl phthalate	0.505	0.519	0.475	0.460	0.469	0.505	0.546	0.553	0.555	0.510	7.18
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.507	0.480	0.514	0.479	0.507	0.531	0.556	0.564	0.547	0.521	5.96
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.355	0.341	0.341	0.310	0.308	0.282	0.311	0.312	0.314	0.319	6.97
102)	T	Parathion			0.075	0.087	0.081	0.080	0.103	0.113	0.121	*Q	0.9980
103)	T	3,3'-Dimethylbenzidine			0.610	0.670	0.663	0.678	0.820	0.863	0.839	0.735	13.90
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.578	1.572	1.346	1.278	1.233	1.224	1.294	1.254	1.227	1.334	10.65
106)	T	3,3'-Dichlorobenzidine	0.484	0.529	0.452	0.457	0.473	0.483	0.529	0.530	0.519	0.495	6.44
107)	T	Chrysene		1.701	1.424	1.279	1.189	1.164	1.201	1.096	1.076	1.266	16.35
108)	T	bis(2-Ethylhexyl)phthalate	0.777	0.743	0.696	0.687	0.710	0.753	0.810	0.776	0.801	0.750	5.99

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: DAKOTA**	**Ical Ref**	**: ICAL21225**
Calibration dates	**: 06/18/24 12:22 06/19/24 00:04**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T	Di-n-octylphthalate	1.165	1.176	1.080	1.081	1.199	1.255	1.410	1.422	1.471	1.251	11.90
110) T	Benzo(b)fluoranthene	1.665	1.586	1.438	1.347	1.295	1.329	1.373	1.361	1.425	1.424	8.68
111) T	Benzo(k)fluoranthene	1.538	1.571	1.398	1.356	1.333	1.248	1.339	1.242	1.168	1.355	9.82
112) T	Benzo(a)pyrene	1.384	1.371	1.250	1.199	1.179	1.207	1.269	1.234	1.263	1.262	5.72
113) I	IS1_Perylene-d12	----------ISTD----------										
114) T	Indeno(1,2,3-cd)pyrene	1.341	1.277	1.250	1.156	1.117	1.143	1.239	1.293	1.298	1.235	6.36
115) T	Dibenzo[a,h]anthracene	1.241	1.314	1.115	1.137	1.065	1.087	1.173	1.144	1.067	1.149	7.23
116) T	Benzo(g,h,i)perylene	1.292	1.267	1.116	1.118	1.048	1.039	1.121	1.097	1.063	1.129	8.04

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.938	0.956	0.854	0.853	0.774	0.776	0.841	0.822	0.847	0.851	7.32
3)	t	Pyridine	1.526	1.555	1.355	1.366	1.292	1.282	1.394	1.350	1.411	1.392	6.76
4)	S	2-Fluorophenol	1.089	1.386	1.143	1.143	1.065	1.079	1.163	1.151	1.186	1.156	8.25
5)	T	Aniline	2.443	2.265	1.992	1.939	1.902	1.866	1.994	1.977	2.059	2.049	9.15
6)	t	2-Chlorophenol	1.386	1.452	1.391	1.240	1.207	1.148	1.258	1.242	1.266	1.288	7.73
7)	S	Phenol-d6	1.942	1.694	1.620	1.534	1.453	1.415	1.522	1.518	1.547	1.583	9.98
8)	T	Phenol	1.941	1.738	1.608	1.689	1.523	1.491	1.603	1.574	1.610	1.642	8.23
9)	T	bis(2-Chloroethyl)ether	1.531	1.511	1.439	1.305	1.256	1.224	1.308	1.272	1.289	1.348	8.51
10)	T	1,3-Dichlorobenzene	1.770	1.860	1.537	1.485	1.464	1.395	1.479	1.444	1.484	1.546	10.25
11)	T	1,4-Dichlorobenzene	1.885	1.638	1.678	1.555	1.449	1.398	1.506	1.482	1.494	1.565	9.52
12)	T	1,2-Dichlorobenzene	1.871	1.694	1.613	1.485	1.397	1.362	1.429	1.421	1.428	1.522	11.13
13)	t	Benzyl alcohol	1.371	1.433	1.236	1.188	1.183	1.159	1.257	1.271	1.309	1.267	7.18
14)	T	bis(2-chloroisopropyl)ether	2.653	2.552	2.257	2.073	2.015	1.932	2.079	1.986	1.948	2.166	12.30
15)	T	2-Methylphenol	1.300	1.270	1.235	1.174	1.110	1.086	1.178	1.131	1.160	1.183	6.14
16)	T	Hexachloroethane	0.743	0.741	0.665	0.601	0.559	0.541	0.597	0.572	0.585	0.623	12.20
17)	T	n-Nitrosodi-n-propylamine	1.092	1.105	1.007	1.074	1.024	0.994	1.084	1.053	1.080	1.057	3.76
18)	T	3-Methylphenol/4-Methylphenol	1.363	1.465	1.312	1.247	1.165	1.157	1.277	1.243	1.280	1.279	7.46
19)	S	Nitrobenzene-d5	1.858	1.740	1.746	1.543	1.455	1.453	1.603	1.562	1.608	1.619	8.50
20)	T	Nitrobenzene	2.001	1.775	1.612	1.641	1.491	1.459	1.644	1.560	1.605	1.643	9.91
21)	T	Isophorone	3.029	2.785	2.705	2.724	2.638	2.597	2.820	2.731	2.813	2.760	4.54
22)	T	2-Nitrophenol	0.681	0.806	0.655	0.635	0.660	0.645	0.712	0.705	0.728	0.692	7.72
23)	T	2,4-Dimethylphenol	1.634	1.347	1.227	1.258	1.205	1.186	1.292	1.260	1.305	1.301	10.34
24)	T	bis(2-Chloroethoxy)methane	2.153	2.035	1.866	1.675	1.631	1.604	1.731	1.640	1.664	1.778	11.08
25)	T	2,4-Dichlorophenol	1.380	1.311	1.180	1.195	1.162	1.144	1.245	1.226	1.254	1.233	6.11
26)	T	1,2,4-Trichlorobenzene	1.956	1.639	1.621	1.445	1.368	1.313	1.454	1.378	1.416	1.510	13.26
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.111	1.153	1.214	1.183	1.184	1.173	1.252	1.213	1.203	1.187	3.40
29)	T	Acetophenone	2.005	2.209	2.136	2.188	2.132	2.136	2.286	2.165	2.167	2.158	3.47
30)	T	m-Toluidine	1.720	2.008	1.857	1.996	1.941	1.939	2.087	2.049	2.015	1.957	5.70
31)	T	2-Chloroaniline	1.443	1.808	1.812	1.652	1.707	1.684	1.822	1.726	1.729	1.709	6.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.788	0.714	0.628	0.587	0.537	0.492	0.510	0.488	0.517	0.584	18.21
34)	T	n-Decane	1.716	1.735	1.686	1.811	1.628	1.542	1.639	1.564	1.638	1.662	5.08
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.303	1.431	1.242	1.087	1.054	1.010	1.077	1.039	1.079	1.147	12.58

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid			0.131	0.164	0.227	0.258	0.303	0.315	0.334	*Q	0.9992
38)	T	4-Chloroaniline	0.173	0.208	0.167	0.154	0.164	0.158	0.169	0.162	0.167	0.169	9.29
39)	T	Hexachlorobutadiene	0.385	0.392	0.325	0.271	0.271	0.262	0.278	0.267	0.273	0.303	17.22
40)	T	p-Chloro-m-cresol	0.374	0.367	0.322	0.323	0.324	0.322	0.351	0.345	0.357	0.343	6.06
41)	T	2-Methylnaphthalene	0.892	0.877	0.774	0.747	0.728	0.691	0.731	0.704	0.734	0.764	9.47
42)	T	1-Methylnaphthalene	0.299	0.327	0.311	0.289	0.272	0.266	0.285	0.276	0.287	0.290	6.72
43)	T	Hexachlorocyclopentadiene	0.378	0.376	0.313	0.337	0.315	0.311	0.335	0.323	0.334	0.336	7.62
44)	T	2,4,6-Trichlorophenol	0.308	0.327	0.297	0.279	0.295	0.283	0.310	0.293	0.312	0.301	5.04
45)	T	2,4,5-Trichlorophenol	0.348	0.309	0.337	0.309	0.317	0.311	0.329	0.314	0.323	0.322	4.32
46)	S	2-Fluorobiphenyl	1.238	1.188	1.067	0.970	0.976	0.920	0.987	0.926	0.972	1.027	11.12
47)	T	2-Chloronaphthalene	0.931	0.978	0.829	0.784	0.761	0.738	0.778	0.744	0.771	0.813	10.49
48)	T	2-Nitroaniline	0.268	0.254	0.237	0.225	0.230	0.233	0.256	0.246	0.254	0.245	5.94
49)	T	1,4-Dinitrobenzene	0.102	0.146	0.128	0.126	0.121	0.122	0.139	0.136	0.140	0.129	10.28
50)	T	1,3-Dinitrobenzene	0.169	0.131	0.141	0.145	0.139	0.143	0.157	0.148	0.148	0.147	7.48
51)	T	Dimethyl phthalate	1.130	1.111	1.037	0.925	0.941	0.923	0.970	0.913	0.952	0.989	8.42
52)	T	Acenaphthylene	1.297	1.377	1.312	1.193	1.179	1.169	1.255	1.182	1.232	1.244	5.79
53)	T	2,6-Dinitrotoluene	0.236	0.213	0.202	0.202	0.210	0.206	0.221	0.209	0.216	0.213	5.02
54)	T	1,2-Dinitrobenzene	0.096	0.089	0.094	0.088	0.086	0.089	0.095	0.090	0.092	0.091	3.82
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.395	0.407	0.383	0.389	0.397	0.396	0.419	0.409	0.406	0.400	2.77
57)	T	3-Chloroaniline	0.202	0.187	0.203	0.200	0.200	0.199	0.208	0.203	0.203	0.201	2.82
58)	T	2,6-Dichlorophenol	0.300	0.375	0.339	0.357	0.362	0.374	0.392	0.378	0.378	0.362	7.68
59)	T	1-chloro-2-nitrobenzene	0.152	0.179	0.191	0.180	0.180	0.185	0.189	0.183	0.184	0.180	6.36
60)	T	Caprolactam	0.150	0.175	0.213	0.215	0.213	0.225	0.244	0.230	0.227	0.210	14.05
61)	T	1,2,4,5-Tetrachlorobenzene	0.596	0.583	0.579	0.544	0.531	0.530	0.537	0.516	0.519	0.548	5.43
62)	T	Biphenyl	1.132	1.104	1.120	1.094	1.057	1.061	1.093	1.046	1.050	1.084	2.94
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.248	0.338	0.326	0.319	0.317	0.318	0.331	0.337	0.341	0.319	8.83
65)	T	Acenaphthene	1.363	1.314	1.204	1.106	1.083	1.042	1.074	1.080	1.107	1.153	9.97
66)	T	2,4-Dinitrophenol			0.174	0.168	0.187	0.215	0.242	0.250	0.257	0.213	17.56
67)	T	Dibenzofuran	2.377	2.261	1.986	1.905	1.815	1.738	1.800	1.748	1.794	1.936	12.00
68)	T	2,4-Dinitrotoluene	0.506	0.560	0.460	0.452	0.441	0.460	0.460	0.463	0.471	0.475	7.73
69)	T	4-Nitrophenol	0.282	0.331	0.331	0.326	0.316	0.305	0.329	0.346	0.345	0.323	6.20
70)	T	2,3,5,6-Tetrachlorophenol	0.441	0.426	0.460	0.443	0.456	0.437	0.464	0.465	0.478	0.452	3.65
71)	T	2,3,4,6-Tetrachlorophenol	0.385	0.451	0.449	0.425	0.445	0.431	0.437	0.442	0.448	0.435	4.74
72)	T	Diethyl phthalate	1.707	1.826	1.602	1.465	1.488	1.399	1.423	1.414	1.441	1.529	9.81

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.829	1.686	1.572	1.487	1.429	1.398	1.444	1.412	1.445	1.523	9.66
74)	T	4-Chlorophenyl-phenylether	0.920	0.966	0.887	0.754	0.766	0.703	0.750	0.723	0.745	0.801	11.96
75)	T	4-Nitroaniline	0.301	0.357	0.373	0.348	0.342	0.309	0.321	0.322	0.318	0.333	7.13
76)	T	4,6-Dinitro-o-cresol	0.180	0.212	0.253	0.269	0.274	0.278	0.297	0.314	0.317	0.266	17.15
77)	T	NDPA/DPA	1.353	1.467	1.261	1.271	1.207	1.192	1.215	1.189	1.208	1.263	7.35
78)	T	Azobenzene	1.586	1.589	1.442	1.406	1.365	1.340	1.427	1.407	1.451	1.446	6.06
79)	S	2,4,6-Tribromophenol	0.233	0.268	0.232	0.253	0.245	0.244	0.253	0.252	0.264	0.249	4.96
80)	T	4-Bromophenyl-phenylether	0.570	0.626	0.473	0.489	0.472	0.452	0.479	0.464	0.474	0.500	11.64
81)	T	Hexachlorobenzene	0.612	0.703	0.623	0.558	0.532	0.505	0.528	0.526	0.532	0.569	11.29
82)	T	Pentachlorophenol	0.346	0.345	0.300	0.323	0.361	0.371	0.392	0.404	0.409	0.361	10.19
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.212	0.234	0.218	0.220	0.232	0.262	0.276	0.284	0.287	0.247	12.11
85)	T	Pentachloronitrobenzene	0.234	0.253	0.232	0.279	0.261	0.290	0.299	0.290	0.294	0.270	9.62
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.569	0.477	0.491	0.517	0.491	0.463	0.513	0.526	0.531	0.509	6.32
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.330	1.366	1.146	1.122	0.987	0.987	1.054	1.012	1.050	1.117	12.71
90)	T	Anthracene	1.346	1.213	1.150	1.084	0.998	1.020	1.080	1.029	1.074	1.111	9.97
91)	T	Carbazole	1.222	1.101	1.027	1.019	0.920	0.926	0.999	0.969	0.976	1.018	9.28
92)	T	Di-n-butylphthalate	1.297	1.305	1.177	1.136	1.122	1.124	1.225	1.169	1.201	1.195	5.79
93)	T	Fluoranthene	1.673	1.551	1.365	1.334	1.226	1.231	1.329	1.288	1.296	1.366	10.96
94)	T	Benzidine	0.623	0.736	0.752	0.737	0.709	0.734	0.804	0.785	0.794	0.741	7.34
95)	T	Pyrene	1.722	1.662	1.471	1.406	1.298	1.301	1.394	1.337	1.368	1.440	10.65
96)	S	4-Terphenyl-d14	1.271	1.253	1.090	1.079	0.978	0.959	1.041	1.000	1.009	1.076	10.62
97)	T	Butyl benzyl phthalate	0.640	0.593	0.508	0.530	0.503	0.501	0.562	0.553	0.561	0.550	8.39
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.449	0.557	0.590	0.563	0.545	0.570	0.595	0.598	0.585	0.561	8.15
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.566	0.464	0.504	0.501	0.489	0.462	0.516	0.501	0.475	0.498	6.39
102)	T	Parathion	0.111	0.129	0.128	0.108	0.110	0.113	0.132	0.142	0.145	0.124	11.46
103)	T	3,3'-Dimethylbenzidine	0.534	0.640	0.710	0.782	0.830	0.801	0.917	0.934	0.966	0.791	18.10
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.886	1.694	1.517	1.409	1.348	1.308	1.417	1.345	1.379	1.478	13.03
106)	T	3,3'-Dichlorobenzidine	0.472	0.521	0.444	0.457	0.464	0.489	0.527	0.507	0.521	0.489	6.37
107)	T	Chrysene	1.853	1.775	1.481	1.363	1.296	1.258	1.301	1.256	1.277	1.429	16.08
108)	T	bis(2-Ethylhexyl)phthalate	0.892	0.841	0.769	0.757	0.799	0.796	0.849	0.817	0.835	0.817	5.15

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL21231**
Calibration dates	**: 06/24/24 16:56 06/25/24 04:24**		

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	1.452	1.362	1.285	1.241	1.299	1.297	1.432	1.390	1.413	1.352	5.49
110)	T	Benzo(b)fluoranthene	1.696	1.671	1.537	1.403	1.294	1.235	1.381	1.329	1.326	1.430	11.62
111)	T	Benzo(k)fluoranthene	1.681	1.662	1.379	1.328	1.239	1.269	1.288	1.171	1.188	1.356	14.02
112)	T	Benzo(a)pyrene	1.402	1.440	1.283	1.193	1.133	1.161	1.230	1.175	1.157	1.242	8.96
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.309	1.196	1.123	1.101	1.076	1.040	1.130	0.901	0.862	1.082	12.71
115)	T	Dibenzo[a,h]anthracene	1.237	1.190	1.068	1.055	1.022	0.999	1.041	0.883	0.880	1.042	11.47
116)	T	Benzo(g,h,i)perylene	1.225	1.168	1.042	1.002	0.980	0.938	0.975	0.728	0.620	0.964	19.83

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263	*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269	*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122	*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806	*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV112**	**Ical Ref**	**: ICAL21241**
Calibration dates	**: 06/25/24 20:18 06/26/24 07:31**		

Calibration Files

L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

Response Factor Report Dakota

Method Path : I:\8270\Dakota\240618ical\
Method File : FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine		0.786	0.710	0.659	0.643	0.654	0.698	0.677	0.732	0.695	6.84
3)	t	Pyridine		1.167	1.172	1.102	1.108	1.037	1.126	1.101	1.200	1.127	4.59
4)	S	2-Fluorophenol	0.966	1.260	0.955	1.007	0.936	1.001	1.026	1.025	1.074	1.028	9.40
5)	T	Aniline	1.975	1.916	1.678	1.563	1.542	1.601	1.678	1.666	1.737	1.706	8.77
6)	t	2-Chlorophenol	1.163	1.229	1.077	1.150	1.082	1.142	1.192	1.135	1.183	1.150	4.30
7)	S	Phenol-d6	1.400	1.288	1.294	1.315	1.217	1.212	1.299	1.291	1.359	1.297	4.61
8)	T	Phenol	1.495	1.615	1.513	1.477	1.422	1.453	1.560	1.499	1.569	1.512	4.02
9)	T	bis(2-Chloroethyl)ether	1.103	1.096	1.013	0.989	0.913	0.947	0.978	0.928	0.954	0.991	6.92
10)	T	1,3-Dichlorobenzene	1.343	1.761	1.529	1.484	1.405	1.440	1.490	1.433	1.437	1.480	7.98
11)	T	1,4-Dichlorobenzene	1.595	1.895	1.595	1.442	1.439	1.448	1.518	1.434	1.426	1.533	9.91
12)	T	1,2-Dichlorobenzene	1.606	1.609	1.547	1.392	1.375	1.377	1.429	1.376	1.376	1.454	7.06
13)	t	Benzyl alcohol	0.911	0.950	1.014	0.966	0.932	0.973	0.990	0.987	1.032	0.973	3.93
14)	T	bis(2-chloroisopropyl)ether	1.803	1.815	1.510	1.419	1.363	1.383	1.398	1.292	1.319	1.478	13.36
15)	T	2-Methylphenol	1.218	1.214	0.982	0.963	0.925	1.017	1.017	1.001	1.012	1.039	10.08
16)	T	Hexachloroethane		0.695	0.507	0.565	0.514	0.517	0.531	0.509	0.515	0.544	11.71
17)	T	n-Nitrosodi-n-propylamine	1.091	1.001	0.903	0.900	0.827	0.860	0.909	0.856	0.861	0.912	9.17
18)	T	3-Methylphenol/4-Methylphenol	1.189	1.295	1.008	1.043	1.023	1.043	1.120	1.067	1.070	1.095	8.48
19)	S	Nitrobenzene-d5	1.765	1.446	1.351	1.259	1.258	1.269	1.329	1.259	1.252	1.354	12.34
20)	T	Nitrobenzene	1.439	1.498	1.317	1.262	1.173	1.229	1.289	1.244	1.230	1.298	8.15
21)	T	Isophorone	2.502	2.250	2.352	2.205	2.129	2.261	2.306	2.231	2.240	2.275	4.63
22)	T	2-Nitrophenol		0.607	0.719	0.623	0.592	0.606	0.680	0.661	0.665	0.644	6.87
23)	T	2,4-Dimethylphenol	1.033	1.391	1.133	1.039	1.035	1.055	1.066	1.042	1.077	1.097	10.45
24)	T	bis(2-Chloroethoxy)methane	1.630	1.649	1.413	1.388	1.309	1.344	1.329	1.277	1.249	1.398	10.40
25)	T	2,4-Dichlorophenol	1.286	1.302	1.222	1.155	1.185	1.232	1.294	1.228	1.232	1.237	4.00
26)	T	1,2,4-Trichlorobenzene	1.757	1.841	1.645	1.517	1.399	1.464	1.478	1.411	1.383	1.544	10.74
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.135	0.979	1.006	1.075	0.994	1.006	1.038	1.051	1.038	1.036	4.62
29)	T	Acetophenone	1.665	1.844	1.789	1.723	1.699	1.725	1.849	1.854	1.795	1.772	3.99
30)	T	m-Toluidine	1.396	1.716	1.696	1.765	1.679	1.715	1.813	1.807	1.746	1.704	7.30
31)	T	2-Chloroaniline	1.565	1.723	1.683	1.684	1.566	1.595	1.688	1.688	1.636	1.648	3.58
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.495	0.453	0.520	0.424	0.404	0.435	0.431	0.437	0.450	8.61
34)	T	n-Decane	1.139	1.163	1.122	1.252	0.968	0.909	0.993	1.000	0.983	1.059	10.71
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.276	1.259	1.073	0.993	0.962	0.936	0.997	0.951	0.928	1.042	12.95
37)	T	Benzoic Acid				0.135	0.174	0.199	0.230	0.265	0.280	*L	0.9962
38)	T	4-Chloroaniline		0.177	0.129	0.114	0.112	0.120	0.120	0.120	0.124	0.127	16.33
39)	T	Hexachlorobutadiene	0.265	0.296	0.259	0.242	0.232	0.229	0.251	0.238	0.240	0.250	8.38
40)	T	p-Chloro-m-cresol	0.286	0.297	0.322	0.274	0.264	0.276	0.291	0.296	0.312	0.291	6.36
41)	T	2-Methylnaphthalene	0.861	0.883	0.773	0.720	0.682	0.689	0.724	0.702	0.708	0.749	9.97
42)	T	1-Methylnaphthalene	0.295	0.290	0.252	0.238	0.215	0.221	0.240	0.223	0.236	0.245	11.80
43)	T	Hexachlorocyclopentadiene	0.286	0.327	0.305	0.280	0.271	0.266	0.292	0.285	0.298	0.290	6.37
44)	T	2,4,6-Trichlorophenol	0.298	0.334	0.308	0.269	0.272	0.271	0.302	0.302	0.307	0.296	7.24
45)	T	2,4,5-Trichlorophenol	0.313	0.335	0.307	0.327	0.296	0.302	0.320	0.323	0.325	0.316	4.04

Response Factor Report Dakota

Method Path : I:\8270\Dakota\240618ical\
Method File : FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.201	1.208	1.058	0.976	0.922	0.925	0.942	0.908	0.884	1.003	12.42
47)	T	2-Chloronaphthalene	0.918	1.007	0.856	0.817	0.768	0.771	0.798	0.773	0.768	0.830	10.01
48)	T	2-Nitroaniline		0.231	0.214	0.224	0.192	0.206	0.228	0.235	0.239	0.221	7.19
49)	T	1,4-Dinitrobenzene		0.123	0.135	0.107	0.102	0.109	0.117	0.122	0.125	0.117	9.29
50)	T	1,3-Dinitrobenzene	0.118	0.134	0.117	0.121	0.117	0.127	0.134	0.136	0.137	0.127	6.88
51)	T	Dimethyl phthalate	1.326	1.213	1.060	0.985	0.935	0.940	0.968	0.946	0.918	1.032	13.89
52)	T	Acenaphthylene	1.407	1.352	1.319	1.237	1.170	1.177	1.203	1.170	1.122	1.240	7.84
53)	T	2,6-Dinitrotoluene		0.245	0.202	0.186	0.188	0.192	0.211	0.202	0.204	0.204	9.27
54)	T	1,2-Dinitrobenzene		0.075	0.070	0.072	0.072	0.077	0.075	0.076	0.076	0.074	3.47
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.245	0.276	0.278	0.259	0.265	0.261	0.280	0.283	0.277	0.269	4.67
57)	T	3-Chloroaniline	0.134	0.150	0.172	0.148	0.147	0.146	0.150	0.153	0.150	0.150	6.48
58)	T	2,6-Dichlorophenol	0.381	0.339	0.390	0.378	0.366	0.372	0.392	0.391	0.368	0.375	4.50
59)	T	1-chloro-2-nitrobenzene	0.164	0.163	0.167	0.153	0.150	0.147	0.151	0.155	0.149	0.155	4.71
60)	T	Caprolactam		0.116	0.116	0.129	0.137	0.135	0.145	0.147	0.145	0.134	9.32
61)	T	1,2,4,5-Tetrachlorobenzene	0.538	0.544	0.514	0.500	0.495	0.481	0.489	0.485	0.450	0.499	5.85
62)	T	Biphenyl	1.101	1.175	1.077	1.103	1.092	1.039	1.068	1.015	0.948	1.069	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline		0.344	0.276	0.272	0.279	0.281	0.307	0.308	0.308	0.297	8.21
65)	T	Acenaphthene		1.465	1.101	1.076	0.989	1.003	1.037	0.999	0.977	1.081	14.92
66)	T	2,4-Dinitrophenol			0.130	0.159	0.178	0.193	0.220	0.227	0.230	*L	0.9988
67)	T	Dibenzofuran	2.444	2.207	2.008	1.908	1.732	1.749	1.793	1.675	1.611	1.903	14.37
68)	T	2,4-Dinitrotoluene	0.381	0.432	0.363	0.396	0.390	0.400	0.430	0.430	0.415	0.404	6.06
69)	T	4-Nitrophenol	0.265	0.255	0.252	0.232	0.235	0.236	0.252	0.255	0.256	0.249	4.62
70)	T	2,3,5,6-Tetrachlorophenol	0.510	0.483	0.394	0.395	0.396	0.396	0.435	0.423	0.416	0.428	9.89
71)	T	2,3,4,6-Tetrachlorophenol			0.417	0.398	0.387	0.395	0.413	0.398	0.397	0.401	2.58
72)	T	Diethyl phthalate	1.789	2.017	1.526	1.478	1.418	1.419	1.476	1.392	1.369	1.543	14.10
73)	T	Fluorene	1.688	1.764	1.449	1.417	1.352	1.340	1.410	1.331	1.284	1.448	11.47
74)	T	4-Chlorophenyl-phenylether		0.958	0.757	0.759	0.701	0.687	0.724	0.667	0.648	0.738	13.19
75)	T	4-Nitroaniline	0.314	0.248	0.290	0.297	0.281	0.286	0.309	0.309	0.298	0.292	6.89
76)	T	4,6-Dinitro-o-cresol			0.205	0.224	0.235	0.259	0.285	0.291	0.285	0.255	13.41
77)	T	NDPA/DPA	1.538	1.476	1.207	1.264	1.147	1.148	1.202	1.126	1.079	1.243	12.82
78)	T	Azobenzene	1.323	1.527	1.290	1.285	1.173	1.166	1.240	1.157	1.111	1.252	10.01
79)	S	2,4,6-Tribromophenol	0.182	0.270	0.271	0.279	0.256	0.257	0.283	0.275	0.281	0.261	11.95
80)	T	4-Bromophenyl-phenylether	0.601	0.587	0.470	0.494	0.454	0.437	0.469	0.451	0.453	0.491	12.38
81)	T	Hexachlorobenzene	0.746	0.724	0.663	0.600	0.527	0.546	0.562	0.562	0.555	0.609	13.36
82)	T	Pentachlorophenol				0.345	0.322	0.349	0.385	0.402	0.409	0.369	9.46
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.204	0.206	0.221	0.252	0.259	0.271	0.236	12.17
85)	T	Pentachloronitrobenzene		0.211	0.196	0.204	0.212	0.227	0.237	0.239	0.234	0.220	7.35
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.501	0.434	0.457	0.488	0.408	0.387	0.461	0.446	0.469	0.450	8.03
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.389	1.311	1.143	1.041	0.979	0.989	1.003	0.964	0.915	1.081	15.31
90)	T	Anthracene	1.202	1.198	1.134	1.011	0.994	0.974	1.012	0.958	0.903	1.043	10.37

Response Factor Report Dakota

Method Path : I:\8270\Dakota\240618ical\
Method File : FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

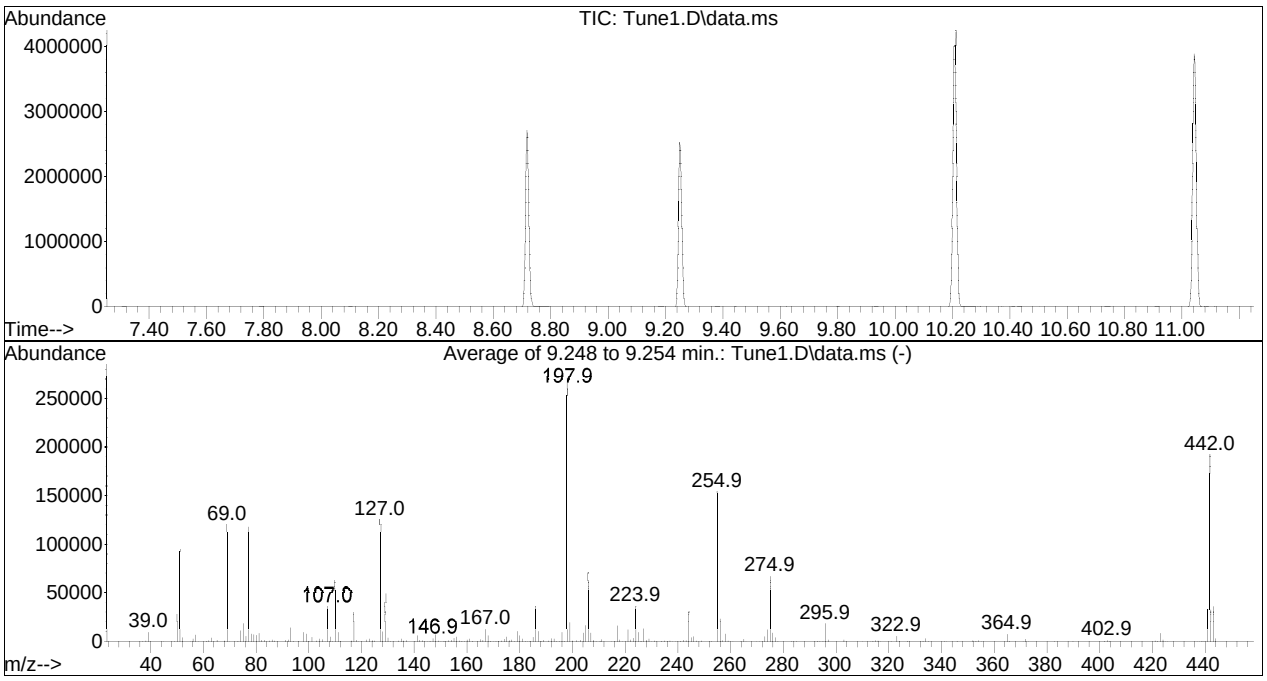
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.139	1.126	1.022	0.962	0.926	0.934	0.973	0.927	0.883	0.988	9.13
92)	T	Di-n-butylphthalate	1.240	1.248	1.138	1.064	1.059	1.094	1.148	1.123	1.096	1.134	6.08
93)	T	Fluoranthene	1.648	1.516	1.382	1.290	1.193	1.215	1.239	1.223	1.145	1.317	12.71
94)	T	Benzidine	0.694	0.758	0.715	0.714	0.693	0.728	0.780	0.777	0.744	0.734	4.50
95)	T	Pyrene	1.677	1.499	1.398	1.405	1.256	1.283	1.303	1.242	1.138	1.356	11.86
96)	S	4-Terphenyl-d14	1.355	1.182	1.079	1.027	0.961	0.960	0.994	0.924	0.879	1.040	14.25
97)	T	Butyl benzyl phthalate	0.505	0.519	0.475	0.460	0.469	0.505	0.546	0.553	0.555	0.510	7.18
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.507	0.480	0.514	0.479	0.507	0.531	0.556	0.564	0.547	0.521	5.96
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.355	0.341	0.341	0.310	0.308	0.282	0.311	0.312	0.314	0.319	6.97
102)	T	Parathion			0.075	0.087	0.081	0.080	0.103	0.113	0.121	*Q	0.9980
103)	T	3,3'-Dimethylbenzidine			0.610	0.670	0.663	0.678	0.820	0.863	0.839	0.735	13.90
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.578	1.572	1.346	1.278	1.233	1.224	1.294	1.254	1.227	1.334	10.65
106)	T	3,3'-Dichlorobenzidine	0.484	0.529	0.452	0.457	0.473	0.483	0.529	0.530	0.519	0.495	6.44
107)	T	Chrysene		1.701	1.424	1.279	1.189	1.164	1.201	1.096	1.076	1.266	16.35
108)	T	bis(2-Ethylhexyl)phthalate	0.777	0.743	0.696	0.687	0.710	0.753	0.810	0.776	0.801	0.750	5.99
109)	T	Di-n-octylphthalate	1.165	1.176	1.080	1.081	1.199	1.255	1.410	1.422	1.471	1.251	11.90
110)	T	Benzo(b)fluoranthene	1.665	1.586	1.438	1.347	1.295	1.329	1.373	1.361	1.425	1.424	8.68
111)	T	Benzo(k)fluoranthene	1.538	1.571	1.398	1.356	1.333	1.248	1.339	1.242	1.168	1.355	9.82
112)	T	Benzo(a)pyrene	1.384	1.371	1.250	1.199	1.179	1.207	1.269	1.234	1.263	1.262	5.72
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.341	1.277	1.250	1.156	1.117	1.143	1.239	1.293	1.298	1.235	6.36
115)	T	Dibenzo[a,h]anthracene	1.241	1.314	1.115	1.137	1.065	1.087	1.173	1.144	1.067	1.149	7.23
116)	T	Benzo(g,h,i)perylene	1.292	1.267	1.116	1.118	1.048	1.039	1.121	1.097	1.063	1.129	8.04

(#) = Out of Range

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune1.D
Acq On : 18 Jun 2024 11:59 am
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024



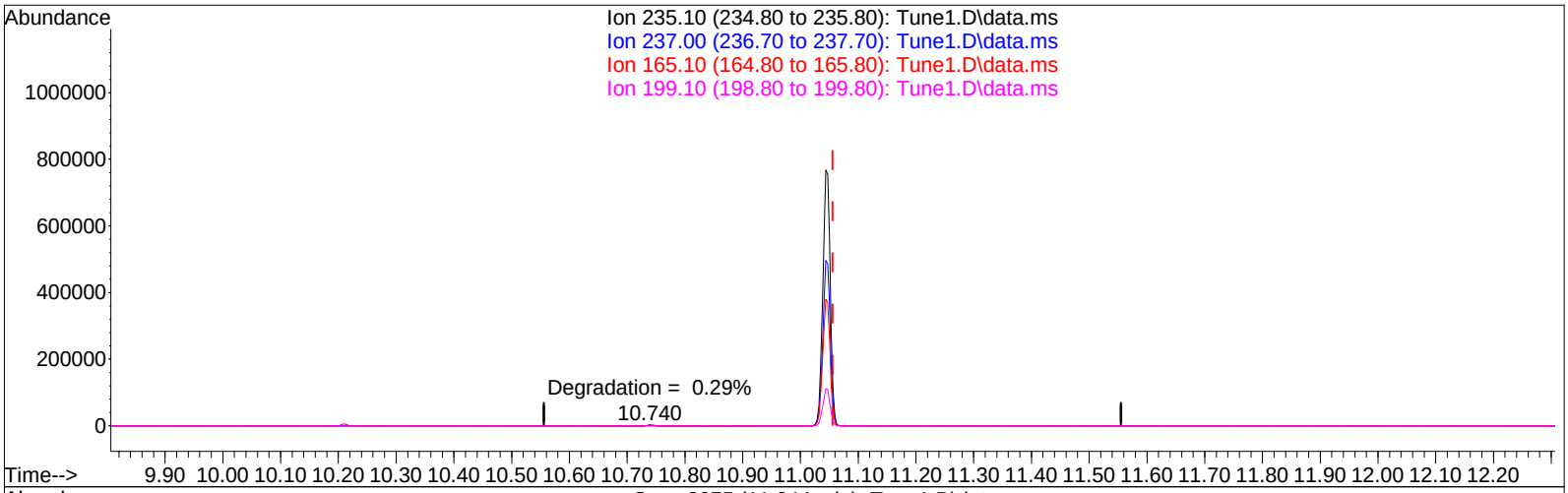
Spectrum Information: Average of 9.248 to 9.254 min.

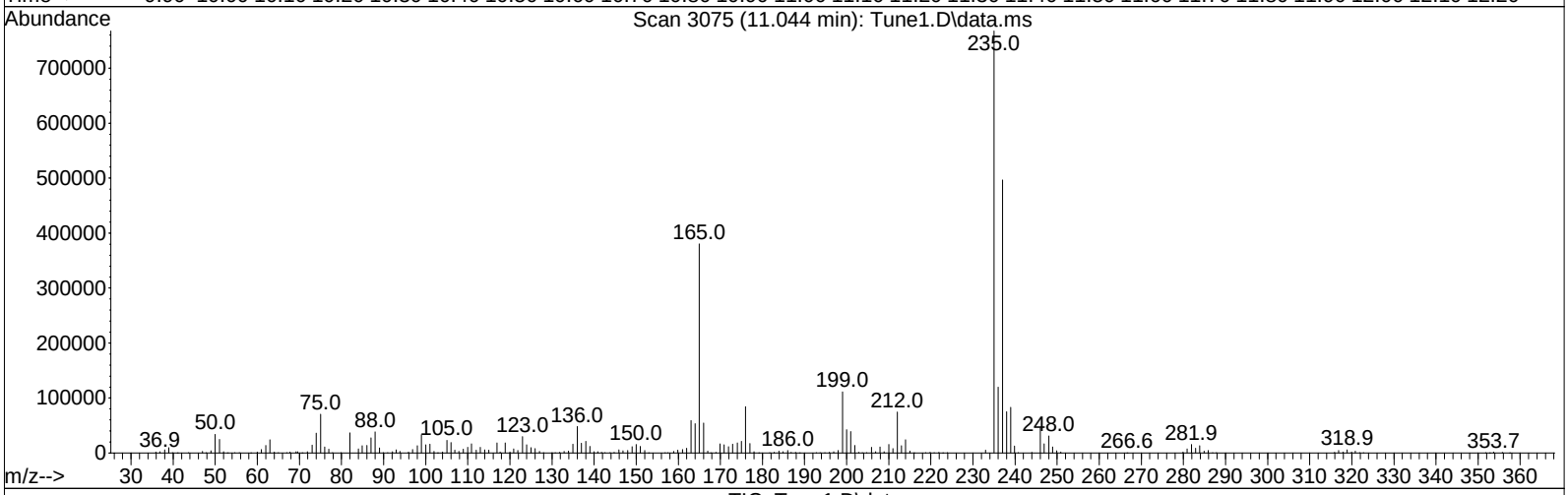
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.9	94856	PASS
68	69	0.00	2	1.1	1333	PASS
69	69	100	100	100.0	119693	PASS
70	69	0.00	2	0.4	482	PASS
127	198	10	80	46.0	124888	PASS
197	198	0.00	2	0.4	1045	PASS
198	198	100	100	100.0	271424	PASS
199	198	5	9	7.0	18957	PASS
275	198	10	60	24.6	66819	PASS
365	198	1	100	2.8	7470	PASS
441	442	0.01	24	17.0	32731	PASS
442	198	50	100	70.7	192021	PASS
443	442	15	24	18.5	35472	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune1.D
Acq On : 18 Jun 2024 11:59 am
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 18 14:42:09 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(6) DDT (T)

11.044min (-0.012) 112.93

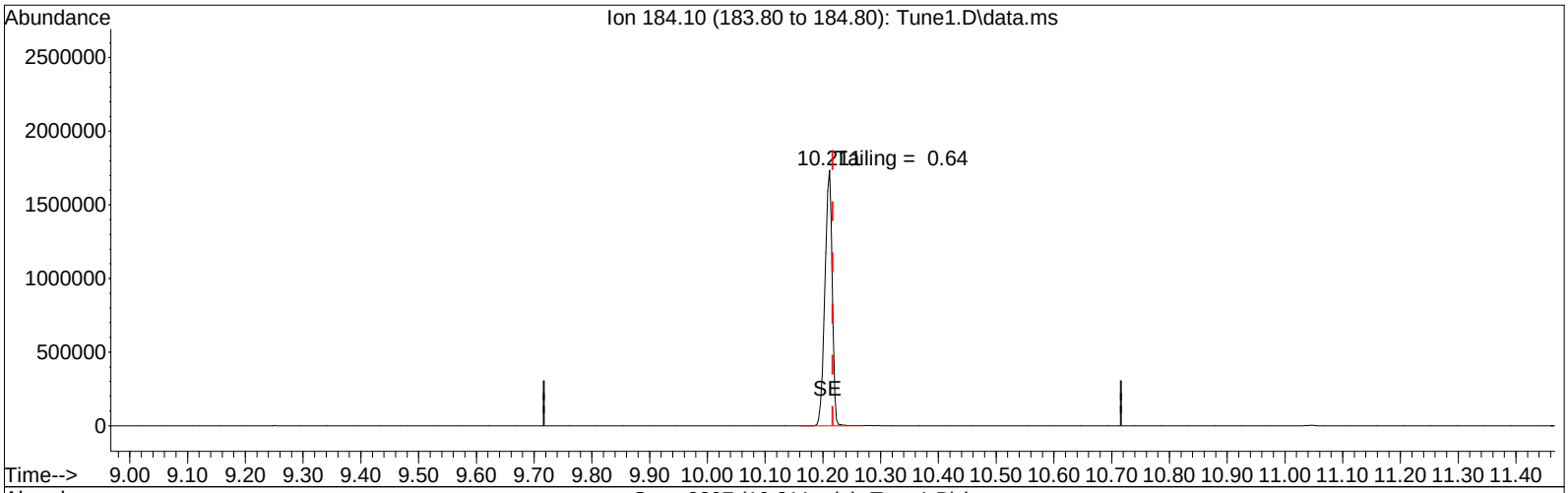
response 688362

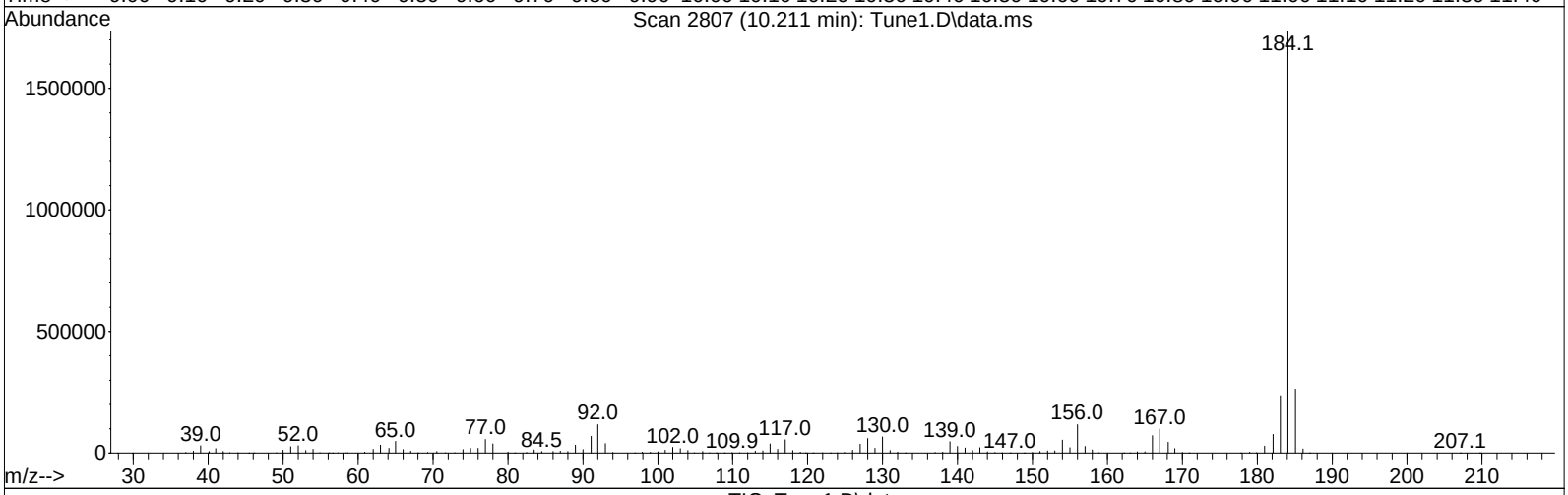
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	66.20	64.81
165.10	47.40	49.06
199.10	13.90	14.30

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune1.D
Acq On : 18 Jun 2024 11:59 am
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 18 14:42:09 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(3) Benzidine (T)

10.211min (-0.006) 149.21

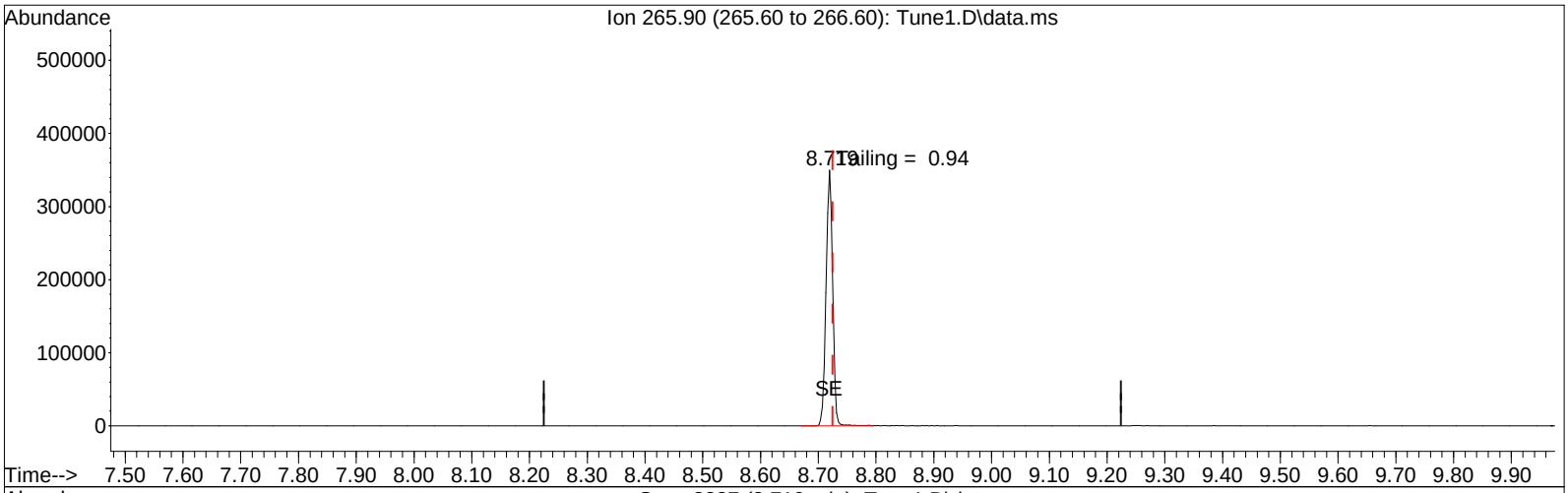
response 1519005

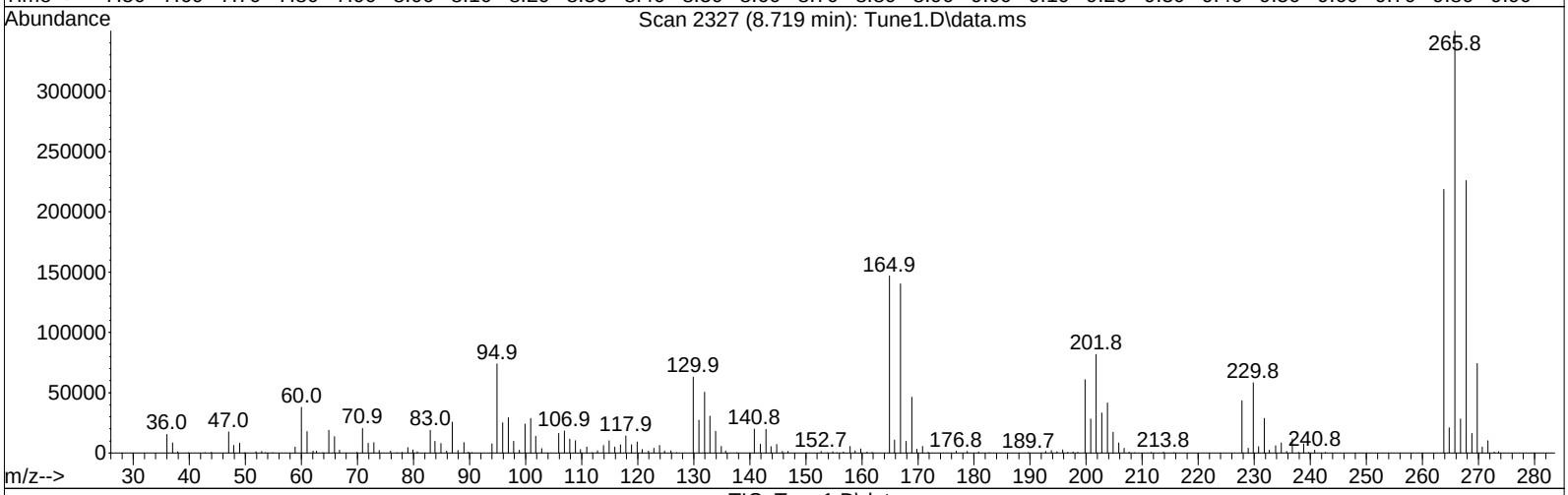
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune1.D
Acq On : 18 Jun 2024 11:59 am
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 18 14:42:09 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune1.D\data.ms

(1) Pentachlorophenol (T)

8.719min (-0.006) 133.32

response 280011

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL9.D
Acq On : 18 Jun 2024 12:22 pm
Operator : Dakota:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1938219,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 20:55:01 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.527	152	32023	4.000 ug/ml	0.00
Standard Area 1 = 28474			Recovery = 112.46%		
35) IS1_Naphthalene-d8	5.764	136	109607	4.000 ug/ml	0.00
Standard Area 1 = 106396			Recovery = 103.02%		
63) IS1_Acenaphthene-d10	7.461	164	75182	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 104.87%		
88) IS1_Phenanthrene-d10	8.884	188	170124	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 103.48%		
104) IS1_Chrysene-d12	11.498	240	161651	4.000 ug/ml	0.00
Standard Area 1 = 172424			Recovery = 93.75%		
113) IS1_Perylene-d12	12.937	264	202690	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 98.70%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.255	112	429903	52.977 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2648.85%#		
7) Phenol-d6	4.222	99	544127	54.144 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2707.20%#		
19) Nitrobenzene-d5	5.074	82	501221	48.199 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4819.90%#		
46) 2-Fluorobiphenyl	6.836	172	1210986	47.338 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4733.80%#		
79) 2,4,6-Tribromophenol	8.228	330	263721	51.993 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2599.65%#		
96) 4-Terphenyl-d14	10.460	244	1869222	44.994 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4499.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.847	74	293089	54.149 ug/ml#	77
3) Pyridine	1.879	79	480289	55.483 ug/ml#	47
5) Aniline	4.213	93	695265	52.969 ug/ml	94
6) 2-Chlorophenol	4.325	128	473340	50.666 ug/ml#	88
8) Phenol	4.238	94	628210	52.084 ug/ml#	88
9) Bis(2-chloroethyl)ether	4.297	93	381702	49.550 ug/ml	95
10) 1,3-Dichlorobenzene	4.471	146	575337	49.058 ug/ml	94
11) 1,4-Dichlorobenzene	4.545	146	570972	48.096 ug/ml	94
12) 1,2-Dichlorobenzene	4.691	146	550802	49.026 ug/ml	94
13) Benzyl alcohol	4.688	79	413053	52.563 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.828	45	528136	47.438 ug/ml#	39

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL9.D
Acq On : 18 Jun 2024 12:22 pm
Operator : Dakota:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1938219,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 20:55:01 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.822	108	405290	49.796	ug/ml	97
16) Hexachloroethane	5.018	117	206096	49.109	ug/ml#	45
17) n-Nitrosodi-n-propylamine	4.962	70	344844	48.710	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.980	108	428324	49.453	ug/ml	96
20) Nitrobenzene	5.092	77	492494	48.865	ug/ml	95
21) Isophorone	5.338	82	896664	49.051	ug/ml	93
22) 2-Nitrophenol	5.406	139	266018	51.696	ug/ml	89
23) 2,4-Dimethylphenol	5.490	107	430981	50.761	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.574	93	500114	46.748	ug/ml#	94
25) 2,4-Dichlorophenol	5.646	162	493351	48.792	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.720	180	553674	47.016	ug/ml#	97
36) Naphthalene	5.785	128	1271471	47.990	ug/ml	97
37) Benzoic Acid	5.658	105	383687	65.274	ug/ml	93
38) 4-Chloroaniline	5.860	65	170017	51.671	ug/ml	83
39) Hexachlorobutadiene	5.935	225	329481	50.125	ug/ml	99
40) p-Chloro-m-cresol	6.357	107	427284	55.035	ug/ml	90
41) 2-Methylnaphthalene	6.463	142	970253	50.114	ug/ml	95
42) 1-Methylnaphthalene	6.553	115	322696	51.123	ug/ml	97
43) Hexachlorocyclopentadiene	6.631	237	408473	53.398	ug/ml	98
44) 2,4,6-Trichlorophenol	6.749	196	420499	53.560	ug/ml	99
45) 2,4,5-Trichlorophenol	6.780	196	445083	52.257	ug/ml	98
47) 2-Chloronaphthalene	6.926	162	1051546	48.917	ug/ml	92
48) 2-Nitroaniline	7.044	138	328023	55.145	ug/ml#	82
49) 1,4-Dinitrobenzene	7.178	168	171689	55.333	ug/ml	81
50) 1,3-Dinitrobenzene	7.252	168	187949	52.704	ug/ml#	1
51) Dimethyl phthalate	7.252	163	1257706	48.106	ug/ml#	97
52) Acenaphthylene	7.324	152	1537093	47.137	ug/ml	97
53) 2,6-Dinitrotoluene	7.290	165	279820	50.732	ug/ml#	75
54) 1,2-Dinitrobenzene	7.336	168	103986	49.800	ug/ml#	1
64) 3-Nitroaniline	7.445	138	289717	52.423	ug/ml#	89
65) Acenaphthene	7.495	154	917856	47.874	ug/ml	91
66) 2,4-Dinitrophenol	7.545	184	215971	55.680	ug/ml#	82
67) Dibenzofuran	7.666	168	1513673	45.472	ug/ml	91
68) 2,4-Dinitrotoluene	7.678	165	390108	49.985	ug/ml	88
69) 4-Nitrophenol	7.641	65	240339	52.391	ug/ml#	80
70) 2,3,5,6-Tetrachlorophenol	7.756	232	391212	50.096	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	7.796	232	373087	49.117	ug/ml	98
72) Diethyl phthalate	7.939	149	1286686	47.297	ug/ml	99
73) Fluorene	7.995	166	1206793	46.699	ug/ml	92
74) 4-Chlorophenyl phenyl ...	8.014	204	609183	45.952	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL9.D
Acq On : 18 Jun 2024 12:22 pm
Operator : Dakota:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1938219,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 20:55:01 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.042	138	279929	50.083	ug/ml#	80
76)	4,6-Dinitro-o-cresol	8.070	198	267911	52.378	ug/ml#	55
77)	NDPA/DPA	8.135	169	1014423	45.926	ug/ml	90
78)	Azobenzene	8.166	77	1044134	46.171	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.480	248	425836M3	49.989	ug/ml	
81)	Hexachlorobenzene	8.530	284	521963	50.107	ug/ml#	80
82)	Pentachlorophenol	8.723	266	383919	55.617	ug/ml	99
89)	Phenanthrene	8.909	178	1944915	45.917	ug/ml	96
90)	Anthracene	8.962	178	1921197	45.499	ug/ml	95
91)	Carbazole	9.130	167	1878114	46.310	ug/ml	96
92)	Di-n-butylphthalate	9.521	149	2330122	48.871	ug/ml	97
93)	Fluoranthene	10.056	202	2435151	46.657	ug/ml#	90
94)	Benzidine	10.214	184	1582844	49.358	ug/ml#	93
95)	Pyrene	10.270	202	2419850	44.012	ug/ml	95
97)	Butyl benzyl phthalate	10.982	149	1180604	52.844	ug/ml	86
105)	Benzo(a)anthracene	11.486	228	2480140	48.761	ug/ml	96
106)	3,3'-Dichlorobenzidine	11.492	252	1048160	51.267	ug/ml#	95
107)	Chrysene	11.529	228	2174632	45.493	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	11.613	149	1617842	51.226	ug/ml#	93
109)	Di-n-octylphthalate	12.285	149	2971538	55.166	ug/ml#	72
110)	Benzo(b)fluoranthene	12.583	252	2878936	52.737	ug/ml#	91
111)	Benzo(k)fluoranthene	12.614	252	2360151M3	45.145	ug/ml	
112)	Benzo(a)pyrene	12.894	252	2551340M2	50.995	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	13.901	276	3287551M6	54.475	ug/mL	
115)	Dibenzo(a,h)anthracene	13.922	278	2702348	47.189	ug/ml#	88
116)	Benzo(ghi)perylene	14.121	276	2693960	49.226	ug/ml#	84

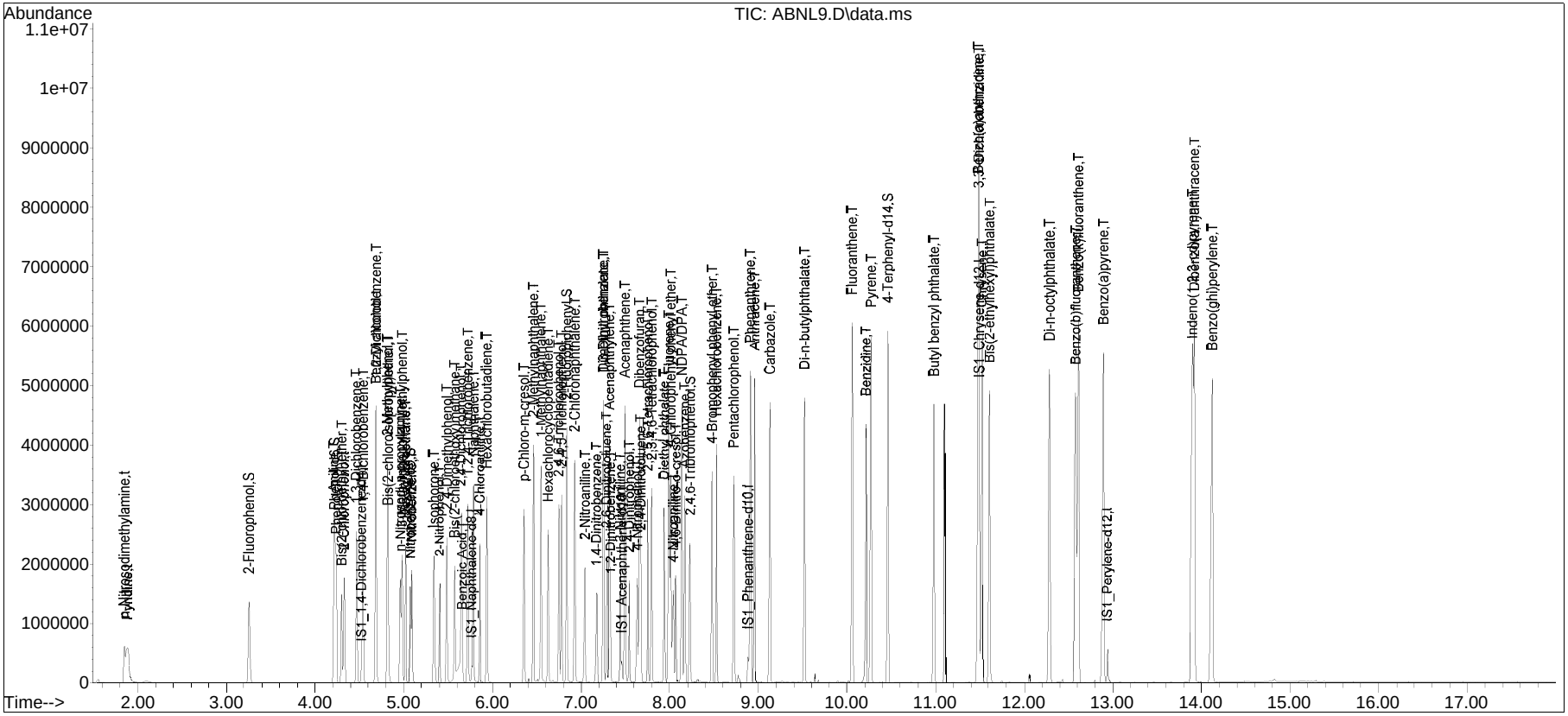
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL9.D
Acq On : 18 Jun 2024 12:22 pm
Operator : Dakota:cmm
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1938219,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 20:55:01 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

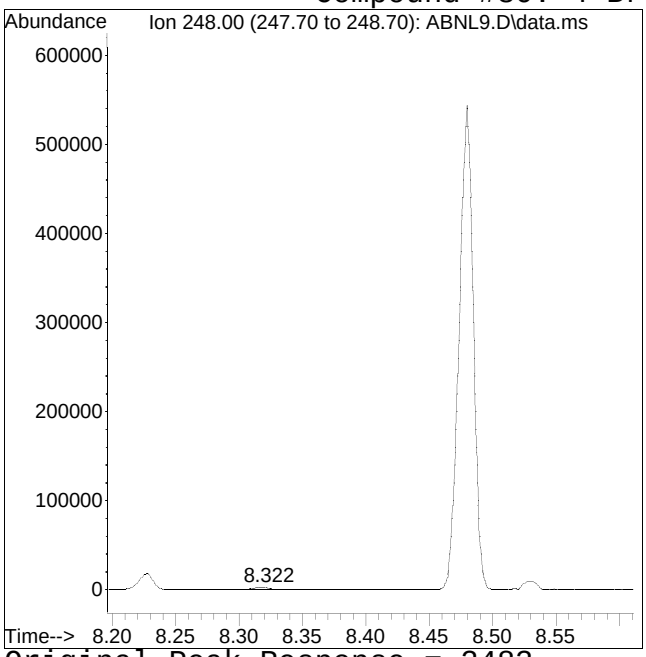
Sub List : ABNical - ABN ical sublistcal\ABNL6.D•

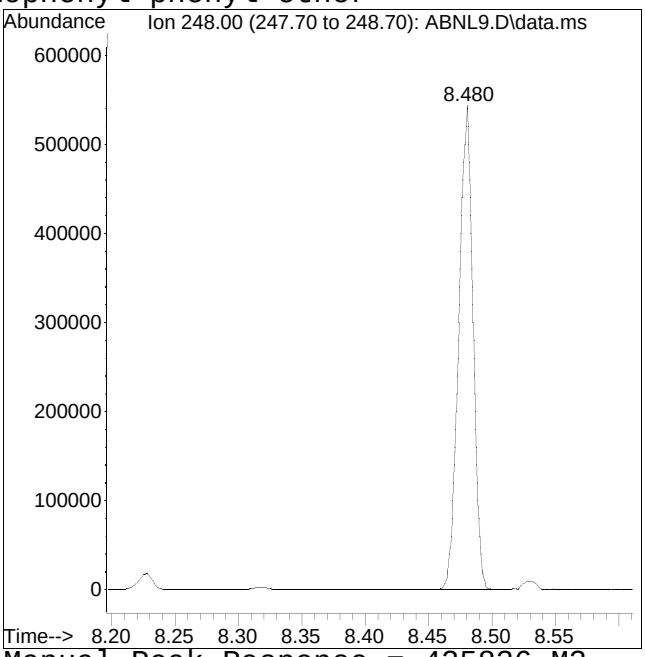


Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL9.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 12:22 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/19/2024 4:30 pm

Compound #80: 4-Bromophenyl phenyl ether



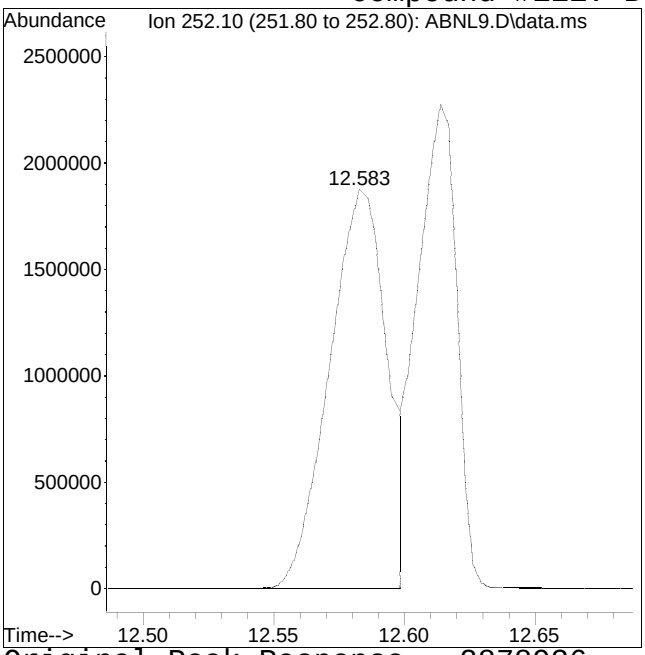


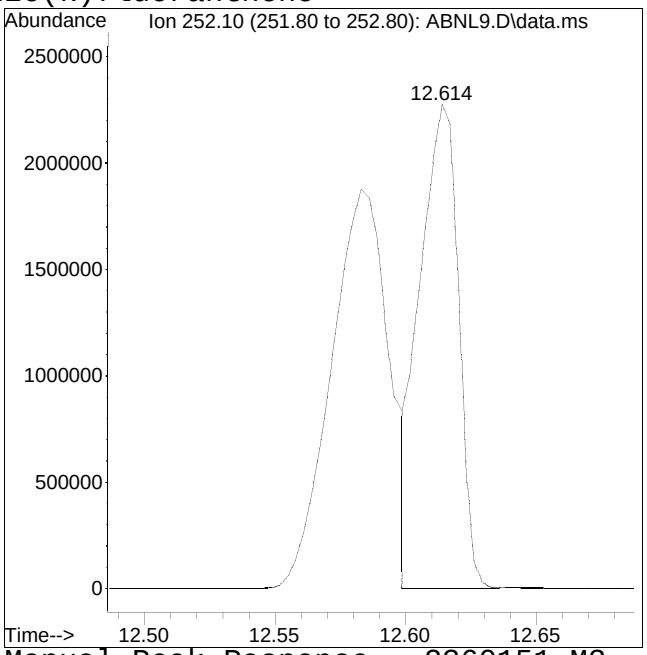
Original Peak Response = 2483 Manual Peak Response = 425836 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL9.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 12:22 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/19/2024 4:30 pm

Compound #111: Benzo(k)fluoranthene



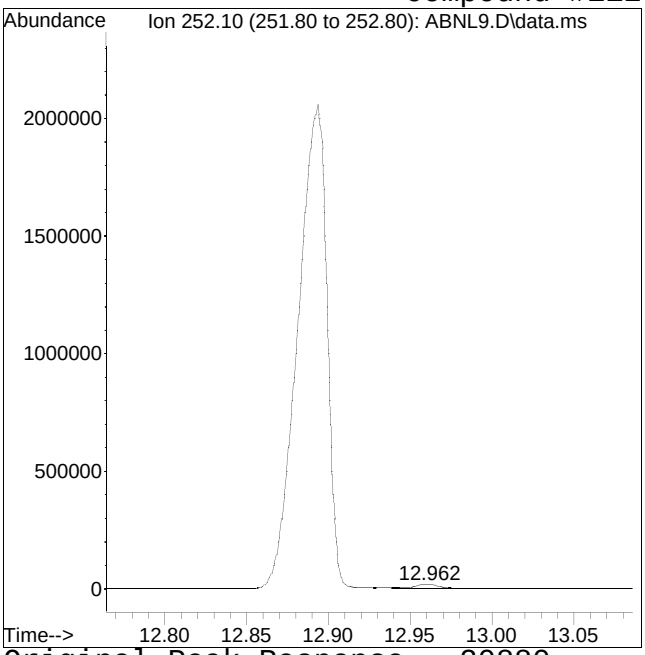


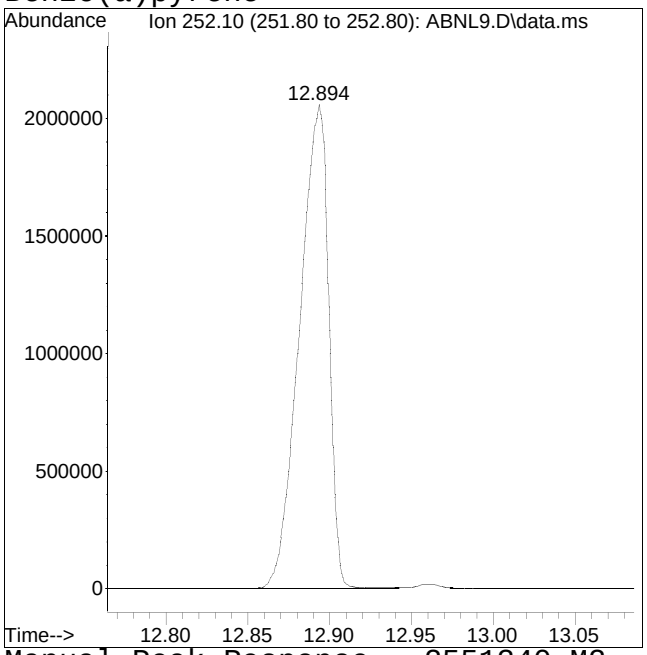
Original Peak Response = 2878936 Manual Peak Response = 2360151 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL9.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 12:22 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/19/2024 4:30 pm

Compound #112: Benzo(a)pyrene



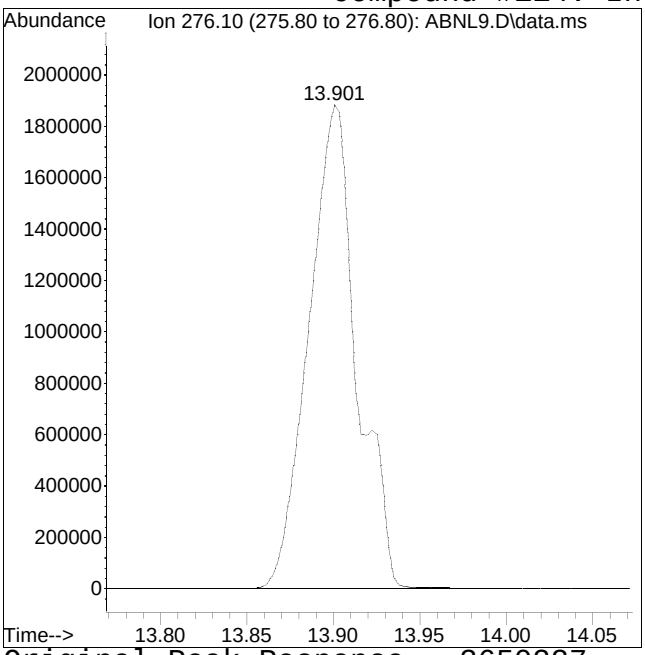


Original Peak Response = 20880 Manual Peak Response = 2551340 M2
M2 = Peak not found by automatic integration algorithm.

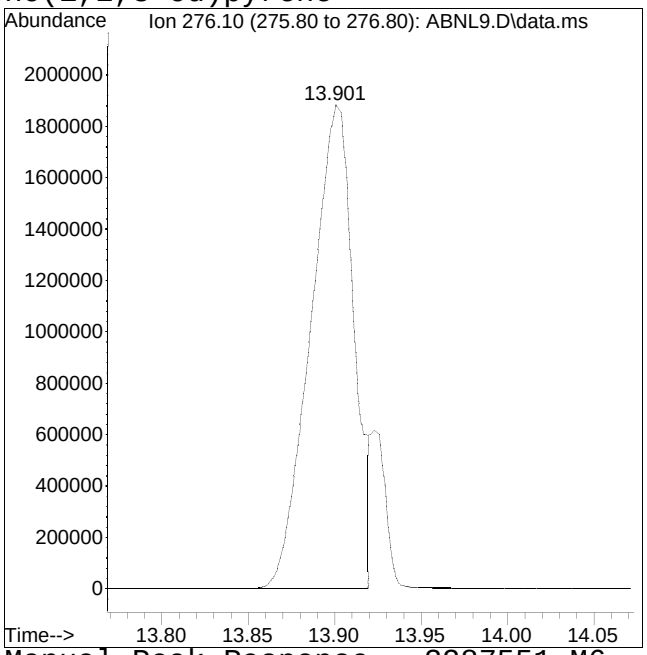
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL9.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 12:22 pm Instrument : Dakota
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/19/2024 4:30 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 3650227



Manual Peak Response = 3287551 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL8.D
Acq On : 18 Jun 2024 12:45 pm
Operator : Dakota:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1938219,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 20:53:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 20:53:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.527	152	28313	4.000	ug/ml	0.00
Standard Area 1 = 28474			Recovery = 99.43%			
35) IS1_Naphthalene-d8	5.760	136	98532	4.000	ug/ml	0.00
Standard Area 1 = 106396			Recovery = 92.61%			
63) IS1_Acenaphthene-d10	7.461	164	66993	4.000	ug/ml	0.00
Standard Area 1 = 71692			Recovery = 93.45%			
88) IS1_Phenanthrene-d10	8.884	188	154338	4.000	ug/ml	0.00
Standard Area 1 = 164397			Recovery = 93.88%			
104) IS1_Chrysene-d12	11.492	240	159544	4.000	ug/ml	0.00
Standard Area 1 = 172424			Recovery = 92.53%			
113) IS1_Perylene-d12	12.934	264	189174	4.000	ug/ml	0.00
Standard Area 1 = 205352			Recovery = 92.12%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.252	112	181354	25.078	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1253.90%#			
7) Phenol-d6	4.216	99	228399	25.027	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1251.35%#			
19) Nitrobenzene-d5	5.070	82	222702	22.759	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2275.90%#			
46) 2-Fluorobiphenyl	6.833	172	559208	21.975	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2197.50%#			
79) 2,4,6-Tribromophenol	8.222	330	114938	26.722	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1336.10%#			
96) 4-Terphenyl-d14	10.457	244	890855	21.383	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2138.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.841	74	119852	24.483	ug/ml#	76
3) Pyridine	1.872	79	194848	24.610	ug/ml#	46
5) Aniline	4.210	93	294753	24.388	ug/ml	98
6) 2-Chlorophenol	4.321	128	200818	24.717	ug/ml#	90
8) Phenol	4.228	94	265318	24.904	ug/ml	92
9) Bis(2-chloroethyl)ether	4.293	93	164209	23.069	ug/ml	95
10) 1,3-Dichlorobenzene	4.471	146	253506	23.987	ug/ml	94
11) 1,4-Dichlorobenzene	4.542	146	253723	22.952	ug/ml	94
12) 1,2-Dichlorobenzene	4.691	146	243529	23.303	ug/ml	95
13) Benzyl alcohol	4.685	79	174731	25.649	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.825	45	228624	21.148	ug/ml#	39

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL8.D
Acq On : 18 Jun 2024 12:45 pm
Operator : Dakota:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1938219,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 20:53:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 20:53:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.819	108	177130	23.882	ug/ml	98
16) Hexachloroethane	5.015	117	90006	22.910	ug/ml#	45
17) n-Nitrosodi-n-propylamine	4.952	70	151494	23.079	ug/ml#	87
18) 3-Methylphenol/4-Methy...	4.974	108	188769	24.177	ug/ml	96
20) Nitrobenzene	5.089	77	220114	23.641	ug/ml	94
21) Isophorone	5.332	82	394753	24.392	ug/ml#	93
22) 2-Nitrophenol	5.403	139	117018	25.932	ug/ml	89
23) 2,4-Dimethylphenol	5.484	107	184391	23.524	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.571	93	225933	22.210	ug/ml#	96
25) 2,4-Dichlorophenol	5.642	162	217331	24.774	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.717	180	249649	22.242	ug/ml#	96
36) Naphthalene	5.782	128	585513	22.194	ug/ml	99
37) Benzoic Acid	5.611	105	163241	42.682	ug/ml	95
38) 4-Chloroaniline	5.854	65	73775	23.290	ug/ml	79
39) Hexachlorobutadiene	5.934	225	146821	23.518	ug/ml	98
40) p-Chloro-m-cresol	6.354	107	182479	25.801	ug/ml	90
41) 2-Methylnaphthalene	6.460	142	432045	23.024	ug/ml	94
42) 1-Methylnaphthalene	6.550	115	137130	22.253	ug/ml	94
43) Hexachlorocyclopentadiene	6.631	237	175799	24.643	ug/ml	100
44) 2,4,6-Trichlorophenol	6.749	196	185884	25.698	ug/ml	98
45) 2,4,5-Trichlorophenol	6.777	196	198925	25.694	ug/ml	98
47) 2-Chloronaphthalene	6.923	162	476090	22.800	ug/ml#	91
48) 2-Nitroaniline	7.038	138	144654	27.178	ug/ml#	82
49) 1,4-Dinitrobenzene	7.168	168	75199	26.459	ug/ml	82
50) 1,3-Dinitrobenzene	7.246	168	83912	27.515	ug/ml#	1
51) Dimethyl phthalate	7.243	163	582587	22.288	ug/ml#	97
52) Acenaphthylene	7.318	152	720600	23.100	ug/ml	99
53) 2,6-Dinitrotoluene	7.283	165	124589	24.792	ug/ml#	76
54) 1,2-Dinitrobenzene	7.327	168	46698	25.760	ug/ml#	1
64) 3-Nitroaniline	7.436	138	128855	26.249	ug/ml#	90
65) Acenaphthene	7.492	154	418485	21.548	ug/ml	89
66) 2,4-Dinitrophenol	7.535	184	95178	35.138	ug/ml#	82
67) Dibenzofuran	7.660	168	701414	21.181	ug/ml	91
68) 2,4-Dinitrotoluene	7.669	165	180175	26.967	ug/ml	87
69) 4-Nitrophenol	7.632	65	106928	25.885	ug/ml#	81
70) 2,3,5,6-Tetrachlorophenol	7.753	232	177175	24.612	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	7.793	232	166706	24.756	ug/ml	97
72) Diethyl phthalate	7.933	149	582838	21.899	ug/ml	99
73) Fluorene	7.989	166	557468	22.363	ug/ml	92
74) 4-Chlorophenyl phenyl ...	8.011	204	279486	21.006	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL8.D
Acq On : 18 Jun 2024 12:45 pm
Operator : Dakota:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1938219,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 20:53:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 20:53:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.026	138	129198	26.671	ug/ml#	78
76)	4,6-Dinitro-o-cresol	8.060	198	121997	30.140	ug/ml#	53
77)	NDPA/DPA	8.129	169	471662	21.948	ug/ml	91
78)	Azobenzene	8.160	77	484257	22.479	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.477	248	188642	22.446	ug/ml#	79
81)	Hexachlorobenzene	8.527	284	235114	22.497	ug/ml#	79
82)	Pentachlorophenol	8.719	266	168504	28.705	ug/ml	99
89)	Phenanthrene	8.906	178	929543	21.471	ug/ml	98
90)	Anthracene	8.956	178	923623	22.269	ug/ml	97
91)	Carbazole	9.127	167	894254	22.909	ug/ml	98
92)	Di-n-butylphthalate	9.518	149	1082787	24.582	ug/ml	97
93)	Fluoranthene	10.053	202	1179667	22.567	ug/ml#	90
94)	Benzidine	10.208	184	749164	26.749	ug/ml#	93
95)	Pyrene	10.264	202	1197700	22.125	ug/ml	98
97)	Butyl benzyl phthalate	10.979	149	533132	27.800	ug/ml	85
105)	Benzo(a)anthracene	11.482	228	1250710	23.045	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.486	252	528711	27.239	ug/ml#	96
107)	Chrysene	11.520	228	1092845	20.655	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	11.610	149	774243	26.254	ug/ml#	92
109)	Di-n-octylphthalate	12.281	149	1418410	29.757	ug/ml#	71
110)	Benzo(b)fluoranthene	12.577	252	1357564	23.748	ug/ml#	92
111)	Benzo(k)fluoranthene	12.605	252	1238952	22.226	ug/ml#	92
112)	Benzo(a)pyrene	12.884	252	1230415	24.376	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	13.891	276	1529247	26.560	ug/mL#	87
115)	Dibenzo(a,h)anthracene	13.913	278	1352615	24.618	ug/ml#	87
116)	Benzo(ghi)perylene	14.106	276	1296935	23.993	ug/ml#	83

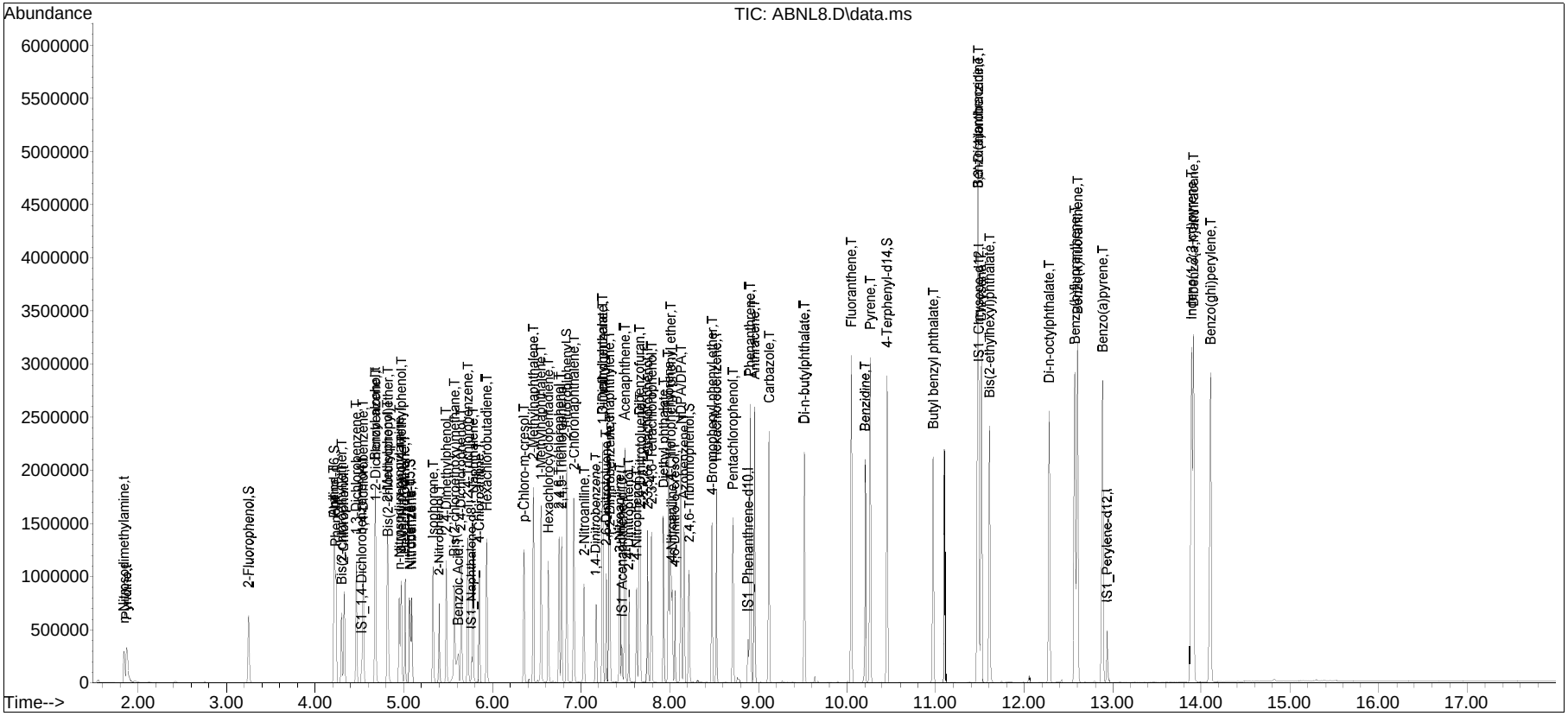
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL8.D
Acq On : 18 Jun 2024 12:45 pm
Operator : Dakota:cmm
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1938219,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 20:53:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 20:53:00 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNL8.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 12:45 pm	Instrument	: Dakota
Sample	: IL3,32,,ABNL25 Lot# 10779	Quant Date	: 6/19/2024 8:53 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL7.D
Acq On : 18 Jun 2024 1:07 pm
Operator : Dakota:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1938219,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 20:53:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.527	152	29758	4.000 ug/ml	# 0.00
Standard Area 1 = 28474			Recovery = 104.51%		
35) IS1_Naphthalene-d8	5.761	136	107070	4.000 ug/ml	0.00
Standard Area 1 = 106396			Recovery = 100.63%		
63) IS1_Acenaphthene-d10	7.458	164	71326	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 99.49%		
88) IS1_Phenanthrene-d10	8.881	188	164668	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 100.16%		
104) IS1_Chrysene-d12	11.489	240	168837	4.000 ug/ml	0.00
Standard Area 1 = 172424			Recovery = 97.92%		
113) IS1_Perylene-d12	12.934	264	199363	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 97.08%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.252	112	76323	10.121 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 506.05%#		
7) Phenol-d6	4.213	99	96602	10.344 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 517.20%#		
19) Nitrobenzene-d5	5.067	82	98863	10.231 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1023.10%#		
46) 2-Fluorobiphenyl	6.830	172	252239	10.094 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1009.40%#		
79) 2,4,6-Tribromophenol	8.219	330	50456	10.485 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 524.25%#		
96) 4-Terphenyl-d14	10.454	244	409081	10.173 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1017.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.844	74	51919	10.322 ug/ml#	74
3) Pyridine	1.872	79	83739	10.410 ug/ml#	47
5) Aniline	4.210	93	124872	10.238 ug/ml	94
6) 2-Chlorophenol	4.322	128	88680	10.215 ug/ml#	89
8) Phenol	4.225	94	116083	10.357 ug/ml#	88
9) Bis(2-chloroethyl)ether	4.294	93	72724	10.159 ug/ml	93
10) 1,3-Dichlorobenzene	4.468	146	110857	10.172 ug/ml	93
11) 1,4-Dichlorobenzene	4.542	146	112911	10.235 ug/ml	94
12) 1,2-Dichlorobenzene	4.688	146	106342	10.186 ug/ml	93
13) Benzyl alcohol	4.682	79	73627	10.082 ug/ml	97
14) Bis(2-chloroisopropyl)...	4.825	45	104007	10.053 ug/ml#	43

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL7.D
Acq On : 18 Jun 2024 1:07 pm
Operator : Dakota:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1938219,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 20:53:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	75623	9.999	ug/ml	96
16) Hexachloroethane	5.015	117	39507	10.130	ug/ml#	41
17) n-Nitrosodi-n-propylamine	4.952	70	67620	10.279	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.971	108	83352	10.356	ug/ml	97
20) Nitrobenzene	5.086	77	95873	10.236	ug/ml	94
21) Isophorone	5.329	82	171545	10.098	ug/ml#	93
22) 2-Nitrophenol	5.400	139	50564	10.574	ug/ml#	86
23) 2,4-Dimethylphenol	5.484	107	79326	10.054	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.568	93	98877	9.946	ug/ml	96
25) 2,4-Dichlorophenol	5.642	162	96273	10.246	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.717	180	109924	10.045	ug/ml#	96
36) Naphthalene	5.779	128	266967	10.315	ug/ml	99
37) Benzoic Acid	5.577	105	61686	10.743	ug/ml	91
38) 4-Chloroaniline	5.854	65	32182	10.012	ug/ml	74
39) Hexachlorobutadiene	5.931	225	67179	10.462	ug/ml	95
40) p-Chloro-m-cresol	6.351	107	77916	10.273	ug/ml	90
41) 2-Methylnaphthalene	6.460	142	193699	10.242	ug/ml	97
42) 1-Methylnaphthalene	6.550	115	64177	10.408	ug/ml	97
43) Hexachlorocyclopentadiene	6.631	237	78151	10.458	ug/ml	98
44) 2,4,6-Trichlorophenol	6.746	196	80789	10.534	ug/ml	99
45) 2,4,5-Trichlorophenol	6.777	196	85634	10.292	ug/ml	99
47) 2-Chloronaphthalene	6.923	162	213599	10.172	ug/ml#	91
48) 2-Nitroaniline	7.035	138	61009	10.499	ug/ml	83
49) 1,4-Dinitrobenzene	7.165	168	31398	10.359	ug/ml	84
50) 1,3-Dinitrobenzene	7.243	168	35788	10.273	ug/ml#	1
51) Dimethyl phthalate	7.240	163	259234	10.150	ug/ml#	98
52) Acenaphthylene	7.318	152	322061	10.110	ug/ml	99
53) 2,6-Dinitrotoluene	7.280	165	56474	10.482	ug/ml#	75
54) 1,2-Dinitrobenzene	7.321	168	20149	9.878	ug/ml#	1
64) 3-Nitroaniline	7.433	138	54713	10.435	ug/ml#	89
65) Acenaphthene	7.489	154	184940	10.168	ug/ml	89
66) 2,4-Dinitrophenol	7.532	184	39203	10.653	ug/ml#	80
67) Dibenzofuran	7.656	168	319695	10.123	ug/ml	90
68) 2,4-Dinitrotoluene	7.666	165	76757	10.367	ug/ml	89
69) 4-Nitrophenol	7.625	65	44875	10.311	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	7.750	232	77507	10.462	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	7.790	232	73659	10.222	ug/ml	98
72) Diethyl phthalate	7.930	149	263148	10.196	ug/ml	100
73) Fluorene	7.989	166	251371	10.253	ug/ml	91
74) 4-Chlorophenyl phenyl ...	8.008	204	129013	10.258	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL7.D
Acq On : 18 Jun 2024 1:07 pm
Operator : Dakota:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1938219,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 20:53:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	8.017	138	55093	10.390	ug/ml	#	79
76)	4,6-Dinitro-o-cresol	8.054	198	50867	10.482	ug/ml	#	55
77)	NDPA/DPA	8.126	169	214367	10.230	ug/ml		91
78)	Azobenzene	8.157	77	221108	10.306	ug/ml		97
80)	4-Bromophenyl phenyl e...	8.474	248	83660	10.352	ug/ml	#	78
81)	Hexachlorobenzene	8.524	284	100242	10.143	ug/ml	#	80
82)	Pentachlorophenol	8.716	266	68684	10.488	ug/ml		98
89)	Phenanthrene	8.906	178	412994	10.073	ug/ml		99
90)	Anthracene	8.953	178	416532	10.191	ug/ml		98
91)	Carbazole	9.124	167	400658	10.207	ug/ml		99
92)	Di-n-butylphthalate	9.518	149	472729	10.243	ug/ml	#	98
93)	Fluoranthene	10.050	202	510093	10.097	ug/ml	#	90
94)	Benzidine	10.205	184	321183	10.347	ug/ml	#	93
95)	Pyrene	10.261	202	536335	10.078	ug/ml		99
97)	Butyl benzyl phthalate	10.976	149	224764	10.394	ug/ml		84
105)	Benzo(a)anthracene	11.479	228	545998	10.278	ug/ml		98
106)	3,3'-Dichlorobenzidine	11.483	252	223112	10.448	ug/ml	#	94
107)	Chrysene	11.514	228	507103	10.157	ug/ml		98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	341975	10.367	ug/ml	#	90
109)	Di-n-octylphthalate	12.278	149	595279	10.581	ug/ml	#	71
110)	Benzo(b)fluoranthene	12.570	252	579333	10.161	ug/ml	#	92
111)	Benzo(k)fluoranthene	12.598	252	565294	10.353	ug/ml	#	92
112)	Benzo(a)pyrene	12.878	252	535605	10.250	ug/ml	#	91
114)	Indeno(1,2,3-cd)pyrene	13.882	276	617499	10.403	ug/mL	#	86
115)	Dibenzo(a,h)anthracene	13.907	278	584691	10.380	ug/ml	#	88
116)	Benzo(ghi)perylene	14.096	276	558770	10.381	ug/ml	#	83

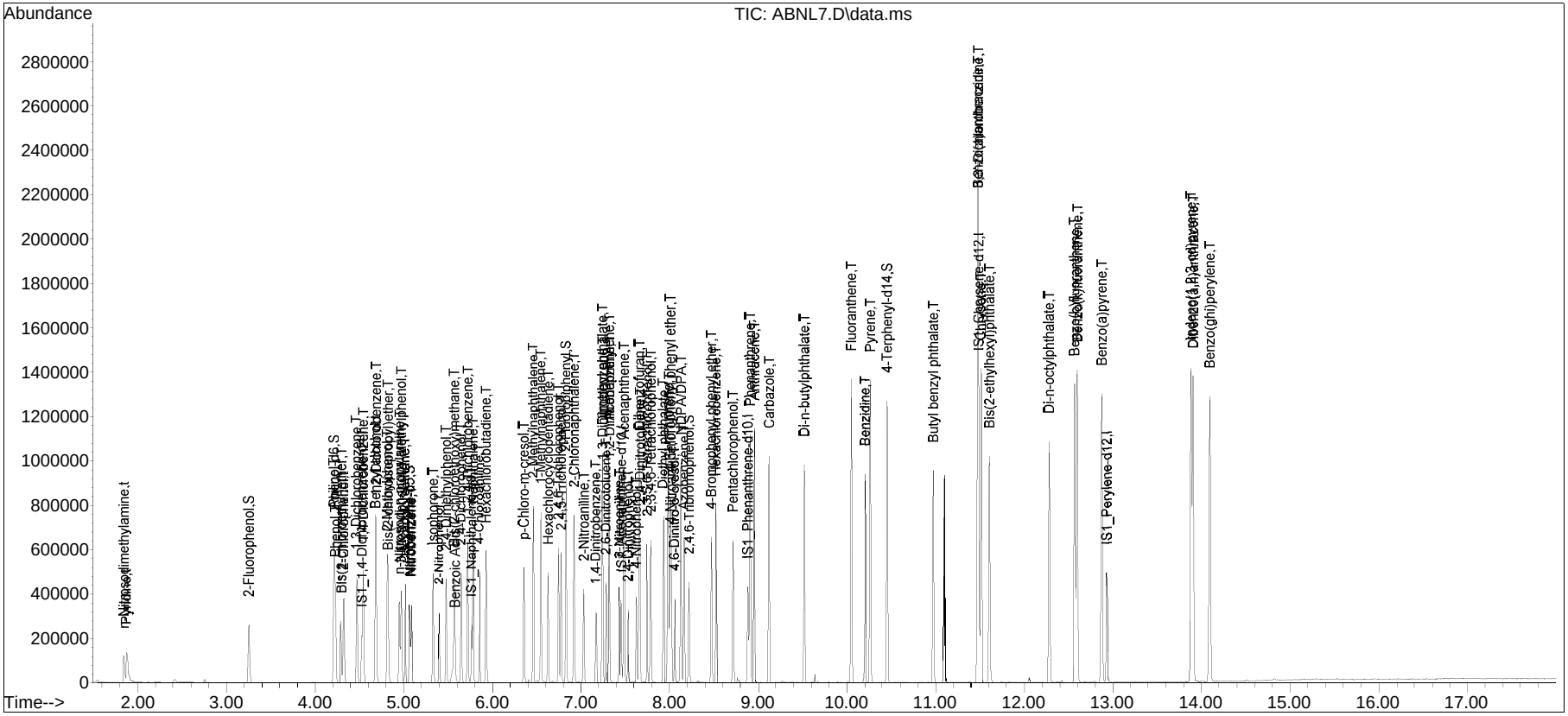
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL7.D
Acq On : 18 Jun 2024 1:07 pm
Operator : Dakota:cmm
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1938219,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 19 20:53:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNL7.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 1:07 pm	Instrument	: Dakota
Sample	: IL4,32,,ABNL10 Lot# 10780	Quant Date	: 6/19/2024 4:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL6.D
Acq On : 18 Jun 2024 1:30 pm
Operator : Dakota:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1938219,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 20:51:49 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.526	152	28474	4.000	ug/ml	0.00
Standard Area 1 = 28474			Recovery = 100.00%			
35) IS1_Naphthalene-d8	5.760	136	106396	4.000	ug/ml	0.00
Standard Area 1 = 106396			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	7.457	164	71692	4.000	ug/ml	0.00
Standard Area 1 = 71692			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	8.881	188	164397	4.000	ug/ml	0.00
Standard Area 1 = 164397			Recovery = 100.00%			
104) IS1_Chrysene-d12	11.489	240	172424	4.000	ug/ml	0.00
Standard Area 1 = 172424			Recovery = 100.00%			
113) IS1_Perylene-d12	12.931	264	205352	4.000	ug/ml	0.00
Standard Area 1 = 205352			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.252	112	35640	4.939	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 246.95%#			
7) Phenol-d6	4.213	99	43141	4.828	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 241.40%#			
19) Nitrobenzene-d5	5.067	82	45167	4.885	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 488.50%#			
46) 2-Fluorobiphenyl	6.830	172	122995	4.953	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 495.30%#			
79) 2,4,6-Tribromophenol	8.219	330	23010	4.757	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.85%#			
96) 4-Terphenyl-d14	10.454	244	197249	4.913	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 491.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.844	74	23288	4.839	ug/ml#	77
3) Pyridine	1.878	79	36908	4.795	ug/ml#	48
5) Aniline	4.209	93	56970	4.881	ug/ml	93
6) 2-Chlorophenol	4.321	128	40643	4.893	ug/ml#	88
8) Phenol	4.225	94	51710	4.822	ug/ml#	87
9) Bis(2-chloroethyl)ether	4.293	93	33703	4.920	ug/ml	93
10) 1,3-Dichlorobenzene	4.467	146	51243	4.914	ug/ml	93
11) 1,4-Dichlorobenzene	4.542	146	51539	4.883	ug/ml	94
12) 1,2-Dichlorobenzene	4.688	146	49020	4.907	ug/ml	92
13) Benzyl alcohol	4.682	79	34649	4.959	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.825	45	49234	4.973	ug/ml#	42

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL6.D
Acq On : 18 Jun 2024 1:30 pm
Operator : Dakota:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1938219,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 20:51:49 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	36190	5.001	ug/ml	100
16) Hexachloroethane	5.014	117	18415	4.935	ug/ml#	46
17) n-Nitrosodi-n-propylamine	4.952	70	30598	4.861	ug/ml#	86
18) 3-Methylphenol/4-Methy...	4.971	108	37136	4.822	ug/ml	93
20) Nitrobenzene	5.086	77	43749	4.882	ug/ml	94
21) Isophorone	5.328	82	80473	4.951	ug/ml	93
22) 2-Nitrophenol	5.403	139	21564	4.713	ug/ml	92
23) 2,4-Dimethylphenol	5.484	107	37543	4.973	ug/ml	97
24) Bis(2-chloroethoxy)met...	5.568	93	47820	5.027	ug/ml	97
25) 2,4-Dichlorophenol	5.642	162	43847	4.877	ug/ml#	92
26) 1,2,4-Trichlorobenzene	5.717	180	52121	4.978	ug/ml#	96
36) Naphthalene	5.779	128	124542	4.843	ug/ml	99
37) Benzoic Acid	5.558	105	26410	4.629	ug/ml	92
38) 4-Chloroaniline	5.854	65	15950	4.994	ug/ml	85
39) Hexachlorobutadiene	5.934	225	30428	4.769	ug/ml	98
40) p-Chloro-m-cresol	6.351	107	36652	4.863	ug/ml	94
41) 2-Methylnaphthalene	6.457	142	91696	4.879	ug/ml	96
42) 1-Methylnaphthalene	6.550	115	29386	4.796	ug/ml	95
43) Hexachlorocyclopentadiene	6.631	237	35425	4.771	ug/ml	99
44) 2,4,6-Trichlorophenol	6.746	196	36069	4.733	ug/ml	99
45) 2,4,5-Trichlorophenol	6.774	196	40130	4.854	ug/ml	98
47) 2-Chloronaphthalene	6.923	162	102539	4.914	ug/ml#	91
48) 2-Nitroaniline	7.035	138	27429	4.750	ug/ml	84
49) 1,4-Dinitrobenzene	7.165	168	14519	4.821	ug/ml	88
50) 1,3-Dinitrobenzene	7.240	168	16835	4.863	ug/ml#	1
51) Dimethyl phthalate	7.240	163	124987	4.925	ug/ml#	98
52) Acenaphthylene	7.318	152	156520	4.945	ug/ml	100
53) 2,6-Dinitrotoluene	7.280	165	25481	4.759	ug/ml#	78
54) 1,2-Dinitrobenzene	7.318	168	10258	5.061	ug/ml#	1
64) 3-Nitroaniline	7.433	138	25203	4.782	ug/ml#	96
65) Acenaphthene	7.489	154	89879	4.916	ug/ml	91
66) 2,4-Dinitrophenol	7.532	184	17285	4.673	ug/ml#	81
67) Dibenzofuran	7.656	168	156757	4.938	ug/ml#	87
68) 2,4-Dinitrotoluene	7.663	165	35846	4.817	ug/ml	92
69) 4-Nitrophenol	7.625	65	21192	4.844	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	7.750	232	35515	4.769	ug/ml	96
71) 2,3,4,6-Tetrachlorophenol	7.790	232	35414	4.889	ug/ml	97
72) Diethyl phthalate	7.927	149	127165	4.902	ug/ml	99
73) Fluorene	7.986	166	120093	4.873	ug/ml	90
74) 4-Chlorophenyl phenyl ...	8.008	204	61579	4.871	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL6.D
Acq On : 18 Jun 2024 1:30 pm
Operator : Dakota:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1938219,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 20:51:49 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.014	138	25611	4.805	ug/ml#	79
76)	4,6-Dinitro-o-cresol	8.051	198	23211	4.759	ug/ml#	57
77)	NDPA/DPA	8.123	169	102894	4.885	ug/ml	91
78)	Azobenzene	8.157	77	104525	4.847	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.474	248	39187	4.824	ug/ml#	79
81)	Hexachlorobenzene	8.524	284	48956	4.928	ug/ml#	78
82)	Pentachlorophenol	8.716	266	31306	4.756	ug/ml	97
89)	Phenanthrene	8.903	178	203160	4.963	ug/ml	100
90)	Anthracene	8.952	178	200115	4.904	ug/ml	99
91)	Carbazole	9.123	167	191901	4.897	ug/ml	98
92)	Di-n-butylphthalate	9.518	149	224760	4.878	ug/ml	98
93)	Fluoranthene	10.050	202	249730	4.951	ug/ml#	91
94)	Benzidine	10.205	184	149564	4.826	ug/ml#	94
95)	Pyrene	10.261	202	263584	4.961	ug/ml	99
97)	Butyl benzyl phthalate	10.976	149	103695	4.803	ug/ml	84
105)	Benzo(a)anthracene	11.479	228	263725	4.861	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.482	252	104149	4.776	ug/ml#	95
107)	Chrysene	11.514	228	250932	4.921	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	162254	4.816	ug/ml#	90
109)	Di-n-octylphthalate	12.278	149	270586	4.710	ug/ml#	71
110)	Benzo(b)fluoranthene	12.567	252	286466	4.920	ug/ml#	92
111)	Benzo(k)fluoranthene	12.595	252	268983	4.824	ug/ml#	91
112)	Benzo(a)pyrene	12.878	252	260163	4.875	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	13.882	276	293395	4.799	ug/mL#	85
115)	Dibenzo(a,h)anthracene	13.904	278	279053	4.810	ug/ml#	88
116)	Benzo(ghi)perylene	14.096	276	266674	4.810	ug/ml#	84

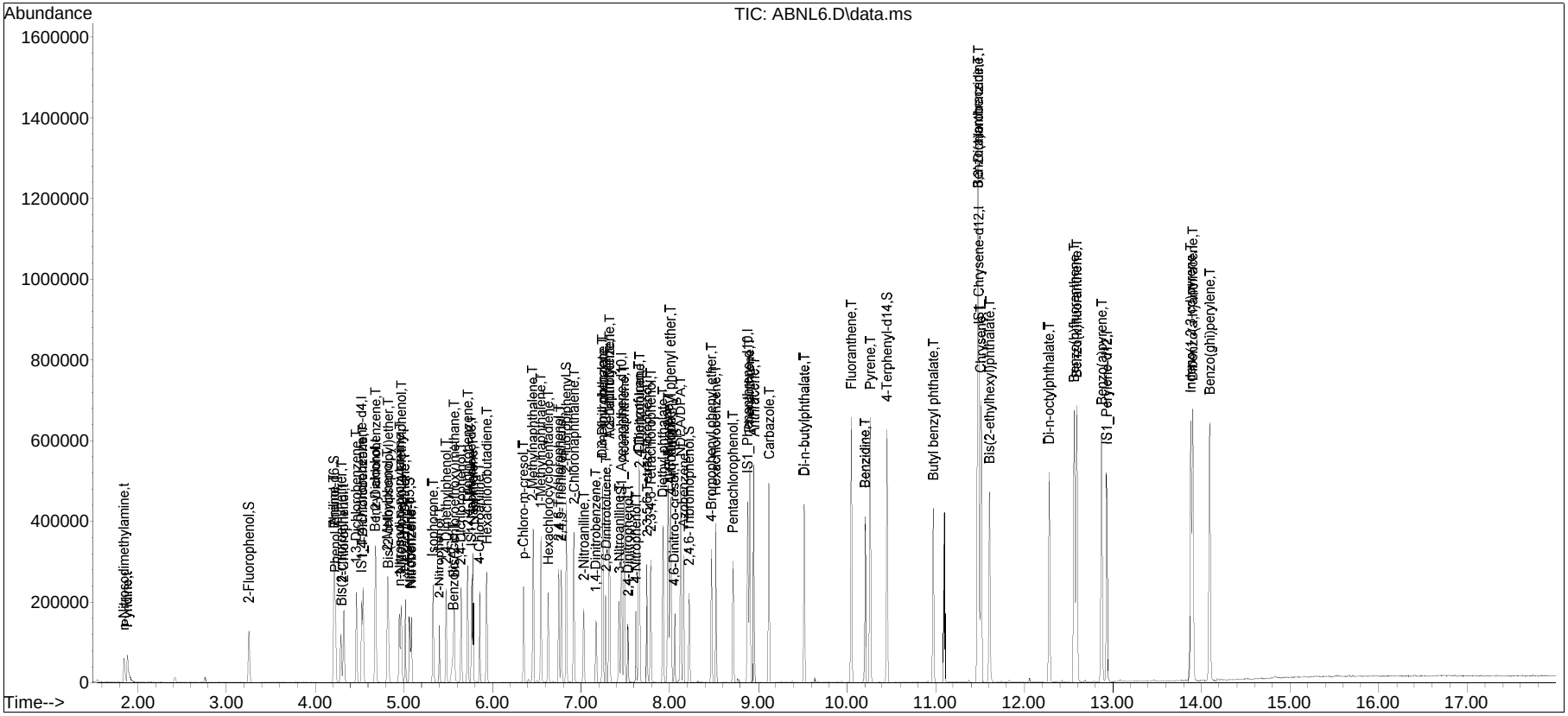
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL6.D
Acq On : 18 Jun 2024 1:30 pm
Operator : Dakota:cmm
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1938219,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 19 20:51:49 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNL6.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 1:30 pm	Instrument	: Dakota
Sample	: IL5,32,,ABNL5 Lot# 10781	Quant Date	: 6/19/2024 4:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL5.D
Acq On : 18 Jun 2024 1:52 pm
Operator : Dakota:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1938219,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 20:50:39 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.527	152	30688	4.000	ug/ml	0.00
Standard Area 1 = 28474			Recovery = 107.78%			
35) IS1_Naphthalene-d8	5.760	136	111213	4.000	ug/ml	0.00
Standard Area 1 = 106396			Recovery = 104.53%			
63) IS1_Acenaphthene-d10	7.457	164	75234	4.000	ug/ml	0.00
Standard Area 1 = 71692			Recovery = 104.94%			
88) IS1_Phenanthrene-d10	8.881	188	172450	4.000	ug/ml	0.00
Standard Area 1 = 164397			Recovery = 104.90%			
104) IS1_Chrysene-d12	11.486	240	176714	4.000	ug/ml	0.00
Standard Area 1 = 172424			Recovery = 102.49%			
113) IS1_Perylene-d12	12.934	264	212733	4.000	ug/ml	0.00
Standard Area 1 = 205352			Recovery = 103.59%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.252	112	17955	2.309	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 115.45%#			
7) Phenol-d6	4.213	99	23347	2.424	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.20%#			
19) Nitrobenzene-d5	5.067	82	24122	2.421	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 242.10%#			
46) 2-Fluorobiphenyl	6.830	172	64089	2.469	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 246.90%#			
79) 2,4,6-Tribromophenol	8.219	330	12043	2.373	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 118.65%#			
96) 4-Terphenyl-d14	10.454	244	103544	2.459	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 245.90%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.847	74	12333	2.378	ug/ml#	76
3) Pyridine	1.888	79	21253	2.562	ug/ml#	45
5) Aniline	4.210	93	29570	2.351	ug/ml	93
6) 2-Chlorophenol	4.321	128	20748	2.317	ug/ml#	90
8) Phenol	4.225	94	27278	2.360	ug/ml#	86
9) Bis(2-chloroethyl)ether	4.297	93	17518	2.373	ug/ml	94
10) 1,3-Dichlorobenzene	4.471	146	26947	2.398	ug/ml	94
11) 1,4-Dichlorobenzene	4.542	146	27608	2.427	ug/ml	96
12) 1,2-Dichlorobenzene	4.691	146	26367	2.449	ug/ml	95
13) Benzyl alcohol	4.682	79	17879	2.374	ug/ml	96
14) Bis(2-chloroisopropyl)...	4.825	45	26146	2.451	ug/ml#	44

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL5.D
Acq On : 18 Jun 2024 1:52 pm
Operator : Dakota:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1938219,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 20:50:39 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	17743	2.275	ug/ml	94
16) Hexachloroethane	5.015	117	9868	2.454	ug/ml#	44
17) n-Nitrosodi-n-propylamine	4.952	70	15864	2.338	ug/ml#	88
18) 3-Methylphenol/4-Methy...	4.971	108	19624	2.364	ug/ml	96
20) Nitrobenzene	5.089	77	22503	2.330	ug/ml	97
21) Isophorone	5.328	82	40829	2.331	ug/ml#	93
22) 2-Nitrophenol	5.400	139	11347	2.301	ug/ml#	89
23) 2,4-Dimethylphenol	5.481	107	19853	2.440	ug/ml	95
24) Bis(2-chloroethoxy)met...	5.568	93	25100	2.448	ug/ml#	96
25) 2,4-Dichlorophenol	5.639	162	22732	2.346	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.717	180	26824	2.377	ug/ml#	92
36) Naphthalene	5.779	128	66893	2.488	ug/ml	99
37) Benzoic Acid	5.546	105	12105	2.030	ug/ml	93
38) 4-Chloroaniline	5.854	65	7794	2.335	ug/ml	74
39) Hexachlorobutadiene	5.934	225	16120	2.417	ug/ml	98
40) p-Chloro-m-cresol	6.351	107	18379	2.333	ug/ml	89
41) 2-Methylnaphthalene	6.457	142	47385	2.412	ug/ml	95
42) 1-Methylnaphthalene	6.550	115	14959	2.336	ug/ml	91
43) Hexachlorocyclopentadiene	6.631	237	18855	2.429	ug/ml	97
44) 2,4,6-Trichlorophenol	6.746	196	18938	2.377	ug/ml	98
45) 2,4,5-Trichlorophenol	6.774	196	20577	2.381	ug/ml	99
47) 2-Chloronaphthalene	6.923	162	53356	2.446	ug/ml#	90
48) 2-Nitroaniline	7.032	138	13372	2.216	ug/ml	88
49) 1,4-Dinitrobenzene	7.165	168	7070	2.246	ug/ml	92
50) 1,3-Dinitrobenzene	7.237	168	8109	2.241	ug/ml#	1
51) Dimethyl phthalate	7.237	163	65002	2.450	ug/ml#	98
52) Acenaphthylene	7.314	152	81340	2.458	ug/ml	99
53) 2,6-Dinitrotoluene	7.277	165	13064	2.334	ug/ml#	79
54) 1,2-Dinitrobenzene	7.318	168	4977	2.349	ug/ml#	1
64) 3-Nitroaniline	7.430	138	13126	2.373	ug/ml#	91
65) Acenaphthene	7.489	154	46508	2.424	ug/ml	88
66) 2,4-Dinitrophenol	7.532	184	8362	2.154	ug/ml#	80
67) Dibenzofuran	7.656	168	81429	2.445	ug/ml	90
68) 2,4-Dinitrotoluene	7.663	165	18354	2.350	ug/ml	94
69) 4-Nitrophenol	7.625	65	11034	2.404	ug/ml#	87
70) 2,3,5,6-Tetrachlorophenol	7.750	232	18611	2.382	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	7.790	232	18212	2.396	ug/ml	97
72) Diethyl phthalate	7.924	149	66668	2.449	ug/ml	98
73) Fluorene	7.986	166	63564	2.458	ug/ml	92
74) 4-Chlorophenyl phenyl ...	8.008	204	32983	2.486	ug/ml#	84

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL5.D
Acq On : 18 Jun 2024 1:52 pm
Operator : Dakota:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1938219,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 20:50:39 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	8.014	138	13211	2.362	ug/ml	#	81
76)	4,6-Dinitro-o-cresol	8.051	198	11065	2.162	ug/ml	#	58
77)	NDPA/DPA	8.123	169	53917	2.439	ug/ml		91
78)	Azobenzene	8.157	77	55164	2.438	ug/ml		97
80)	4-Bromophenyl phenyl e...	8.474	248	21360	2.506	ug/ml	#	79
81)	Hexachlorobenzene	8.524	284	24767	2.376	ug/ml	#	83
82)	Pentachlorophenol	8.716	266	15144	2.192	ug/ml		98
89)	Phenanthrene	8.903	178	105533	2.458	ug/ml		99
90)	Anthracene	8.952	178	107094	2.502	ug/ml		99
91)	Carbazole	9.120	167	99837	2.429	ug/ml		99
92)	Di-n-butylphthalate	9.518	149	114128	2.361	ug/ml	#	98
93)	Fluoranthene	10.050	202	128627	2.431	ug/ml	#	90
94)	Benzidine	10.205	184	74668	2.297	ug/ml	#	93
95)	Pyrene	10.261	202	135398	2.429	ug/ml		100
97)	Butyl benzyl phthalate	10.976	149	50563	2.233	ug/ml		85
105)	Benzo(a)anthracene	11.476	228	136182	2.449	ug/ml		99
106)	3,3'-Dichlorobenzidine	11.482	252	52187	2.335	ug/ml	#	96
107)	Chrysene	11.510	228	131266	2.512	ug/ml		98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	78447	2.272	ug/ml	#	89
109)	Di-n-octylphthalate	12.278	149	132401	2.248	ug/ml	#	71
110)	Benzo(b)fluoranthene	12.567	252	143080	2.398	ug/ml	#	93
111)	Benzo(k)fluoranthene	12.592	252	147241	2.576	ug/ml	#	92
112)	Benzo(a)pyrene	12.875	252	130216	2.381	ug/ml	#	92
114)	Indeno(1,2,3-cd)pyrene	13.879	276	148462	2.344	ug/mL	#	86
115)	Dibenzo(a,h)anthracene	13.904	278	141577	2.356	ug/ml	#	88
116)	Benzo(ghi)perylene	14.096	276	139364	2.426	ug/ml	#	83

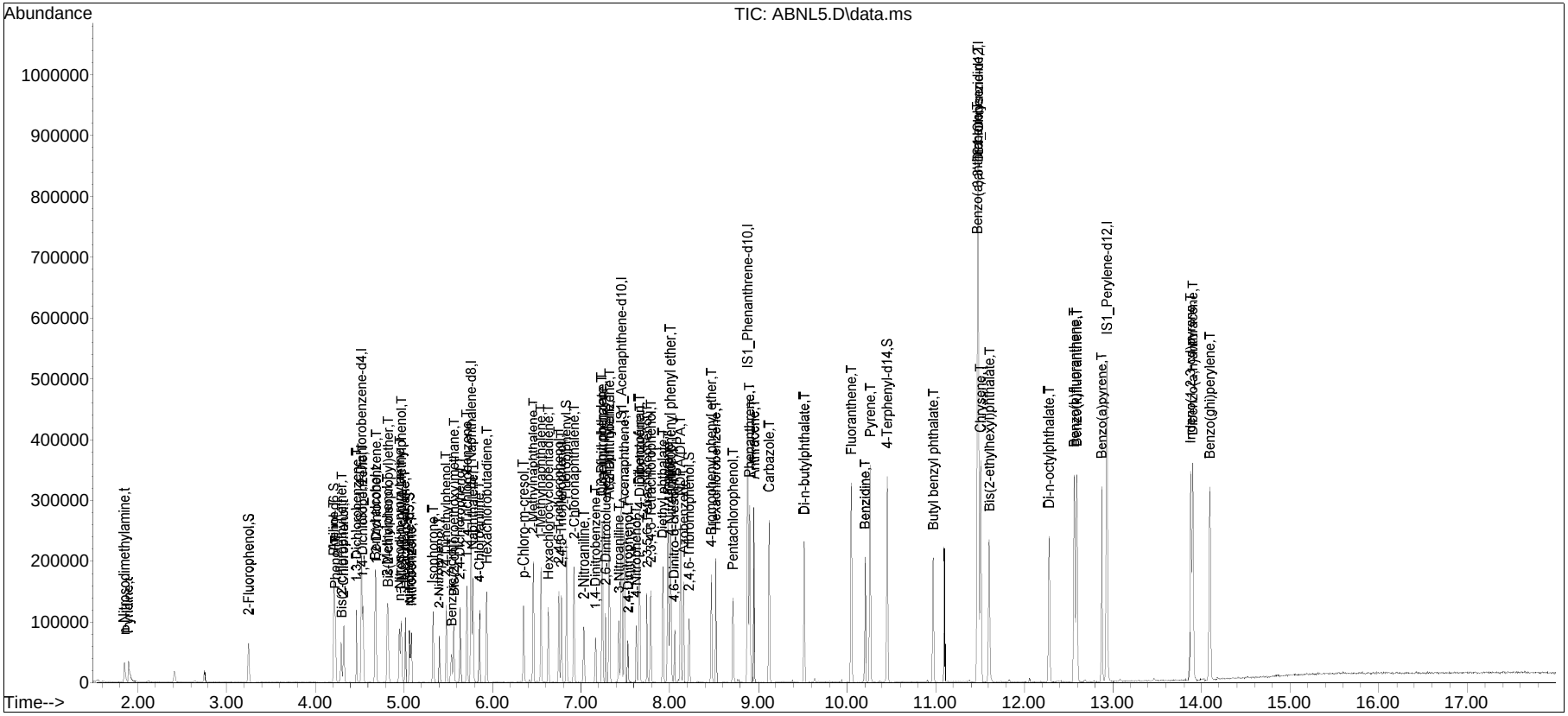
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL5.D
Acq On : 18 Jun 2024 1:52 pm
Operator : Dakota:cmm
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1938219,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 20:50:39 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNL5.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 1:52 pm	Instrument	: Dakota
Sample	: IL6,32,,ABNL2.5 Lot# 10782	Quant Date	: 6/19/2024 4:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL4.D
Acq On : 18 Jun 2024 2:15 pm
Operator : Dakota:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1938219,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 20:48:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.527	152	29988	4.000	ug/ml	0.00
Standard Area 1 = 28474			Recovery = 105.32%			
35) IS1_Naphthalene-d8	5.761	136	109054	4.000	ug/ml	0.00
Standard Area 1 = 106396			Recovery = 102.50%			
63) IS1_Acenaphthene-d10	7.458	164	73193	4.000	ug/ml	0.00
Standard Area 1 = 71692			Recovery = 102.09%			
88) IS1_Phenanthrene-d10	8.881	188	174341	4.000	ug/ml	0.00
Standard Area 1 = 164397			Recovery = 106.05%			
104) IS1_Chrysene-d12	11.486	240	183285	4.000	ug/ml	0.00
Standard Area 1 = 172424			Recovery = 106.30%			
113) IS1_Perylene-d12	12.931	264	215179	4.000	ug/ml	0.00
Standard Area 1 = 205352			Recovery = 104.79%			
System Monitoring Compounds						
4) 2-Fluorophenol	3.249	112	7548	0.993	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 49.65%			
7) Phenol-d6	4.213	99	9857	1.047	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.35%			
19) Nitrobenzene-d5	5.071	82	9438	0.969	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 96.90%			
46) 2-Fluorobiphenyl	6.830	172	26621	1.046	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 104.60%			
79) 2,4,6-Tribromophenol	8.219	330	5104	1.034	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 51.70%			
96) 4-Terphenyl-d14	10.454	244	44776	1.052	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 105.20%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.847	74	4939	0.974	ug/ml#	72
3) Pyridine	1.897	79	8260	1.019	ug/ml#	44
5) Aniline	4.210	93	11715	0.953	ug/ml#	87
6) 2-Chlorophenol	4.322	128	8619	0.985	ug/ml#	89
8) Phenol	4.225	94	11072	0.980	ug/ml#	59
9) Bis(2-chloroethyl)ether	4.297	93	7415	1.028	ug/ml	95
10) 1,3-Dichlorobenzene	4.468	146	11123	1.013	ug/ml	93
11) 1,4-Dichlorobenzene	4.542	146	10810	0.972	ug/ml	91
12) 1,2-Dichlorobenzene	4.688	146	10436	0.992	ug/ml	95
13) Benzyl alcohol	4.685	79	7245	0.985	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.825	45	10637	1.020	ug/ml#	41

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL4.D
Acq On : 18 Jun 2024 2:15 pm
Operator : Dakota:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1938219,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 20:48:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	7219	0.947	ug/ml	97
16) Hexachloroethane	5.015	117	4236	1.078	ug/ml#	57
17) n-Nitrosodi-n-propylamine	4.952	70	6748	1.018	ug/ml#	78
18) 3-Methylphenol/4-Methy...	4.974	108	7817	0.964	ug/ml	98
20) Nitrobenzene	5.089	77	9463	1.003	ug/ml	95
21) Isophorone	5.332	82	16531	0.966	ug/ml#	92
22) 2-Nitrophenol	5.403	139	4667	0.968	ug/ml#	87
23) 2,4-Dimethylphenol	5.481	107	7790	0.980	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.568	93	10406	1.039	ug/ml#	95
25) 2,4-Dichlorophenol	5.639	162	8659	0.914	ug/ml#	87
26) 1,2,4-Trichlorobenzene	5.717	180	11370	1.031	ug/ml#	95
36) Naphthalene	5.779	128	27079	1.027	ug/ml	98
37) Benzoic Acid	5.537	105	3676	0.629	ug/ml	94
38) 4-Chloroaniline	5.854	65	3111	0.950	ug/ml#	70
39) Hexachlorobutadiene	5.935	225	6588	1.007	ug/ml	99
40) p-Chloro-m-cresol	6.351	107	7467	0.967	ug/ml	93
41) 2-Methylnaphthalene	6.457	142	19623	1.019	ug/ml	97
42) 1-Methylnaphthalene	6.550	115	6486	1.033	ug/ml	94
43) Hexachlorocyclopentadiene	6.631	237	7630	1.003	ug/ml	98
44) 2,4,6-Trichlorophenol	6.746	196	7347	0.941	ug/ml	94
45) 2,4,5-Trichlorophenol	6.777	196	8905	1.051	ug/ml	93
47) 2-Chloronaphthalene	6.923	162	22275	1.041	ug/ml#	91
48) 2-Nitroaniline	7.035	138	6119	1.034	ug/ml#	78
49) 1,4-Dinitrobenzene	7.165	168	2912	0.943	ug/ml	82
50) 1,3-Dinitrobenzene	7.240	168	3298	0.930	ug/ml#	1
51) Dimethyl phthalate	7.237	163	26868	1.033	ug/ml#	97
52) Acenaphthylene	7.315	152	33719	1.039	ug/ml	98
53) 2,6-Dinitrotoluene	7.277	165	5074	0.925	ug/ml#	82
54) 1,2-Dinitrobenzene	7.321	168	1969	0.948	ug/ml#	1
64) 3-Nitroaniline	7.430	138	4969	0.924	ug/ml#	96
65) Acenaphthene	7.489	154	19685	1.055	ug/ml	88
66) 2,4-Dinitrophenol	7.532	184	2917	0.772	ug/ml#	88
67) Dibenzofuran	7.657	168	34912	1.077	ug/ml	89
68) 2,4-Dinitrotoluene	7.663	165	7239	0.953	ug/ml	97
69) 4-Nitrophenol	7.625	65	4240	0.949	ug/ml#	82
70) 2,3,5,6-Tetrachlorophenol	7.750	232	7226	0.950	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	7.790	232	7285	0.985	ug/ml	96
72) Diethyl phthalate	7.927	149	27048	1.021	ug/ml	98
73) Fluorene	7.986	166	25929	1.031	ug/ml	89
74) 4-Chlorophenyl phenyl ...	8.008	204	13884	1.076	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL4.D
Acq On : 18 Jun 2024 2:15 pm
Operator : Dakota:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1938219,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 20:48:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.014	138	5428	0.998	ug/ml#	82
76)	4,6-Dinitro-o-cresol	8.048	198	4091	0.822	ug/ml#	59
77)	NDPA/DPA	8.123	169	23132	1.076	ug/ml	95
78)	Azobenzene	8.157	77	23510	1.068	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.474	248	9032	1.089	ug/ml#	79
81)	Hexachlorobenzene	8.524	284	10977	1.082	ug/ml#	78
82)	Pentachlorophenol	8.716	266	6320	0.940	ug/ml	96
89)	Phenanthrene	8.903	178	45355	1.045	ug/ml	100
90)	Anthracene	8.953	178	44079	1.019	ug/ml	99
91)	Carbazole	9.120	167	41945	1.009	ug/ml	99
92)	Di-n-butylphthalate	9.518	149	46396	0.950	ug/ml	99
93)	Fluoranthene	10.050	202	56245	1.052	ug/ml#	91
94)	Benzidine	10.202	184	31116	0.947	ug/ml#	93
95)	Pyrene	10.261	202	61219	1.087	ug/ml	99
97)	Butyl benzyl phthalate	10.976	149	20056	0.876	ug/ml#	84
105)	Benzo(a)anthracene	11.476	228	58560	1.015	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.479	252	20942	0.903	ug/ml#	96
107)	Chrysene	11.511	228	58626	1.082	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	31465	0.879	ug/ml#	88
109)	Di-n-octylphthalate	12.278	149	49523	0.811	ug/ml#	72
110)	Benzo(b)fluoranthene	12.567	252	61725	0.997	ug/ml#	93
111)	Benzo(k)fluoranthene	12.592	252	62143	1.048	ug/ml#	94
112)	Benzo(a)pyrene	12.875	252	54920	0.968	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	13.876	276	62167	0.970	ug/mL#	85
115)	Dibenzo(a,h)anthracene	13.901	278	61181	1.006	ug/ml#	89
116)	Benzo(ghi)perylene	14.093	276	60142	1.035	ug/ml#	84

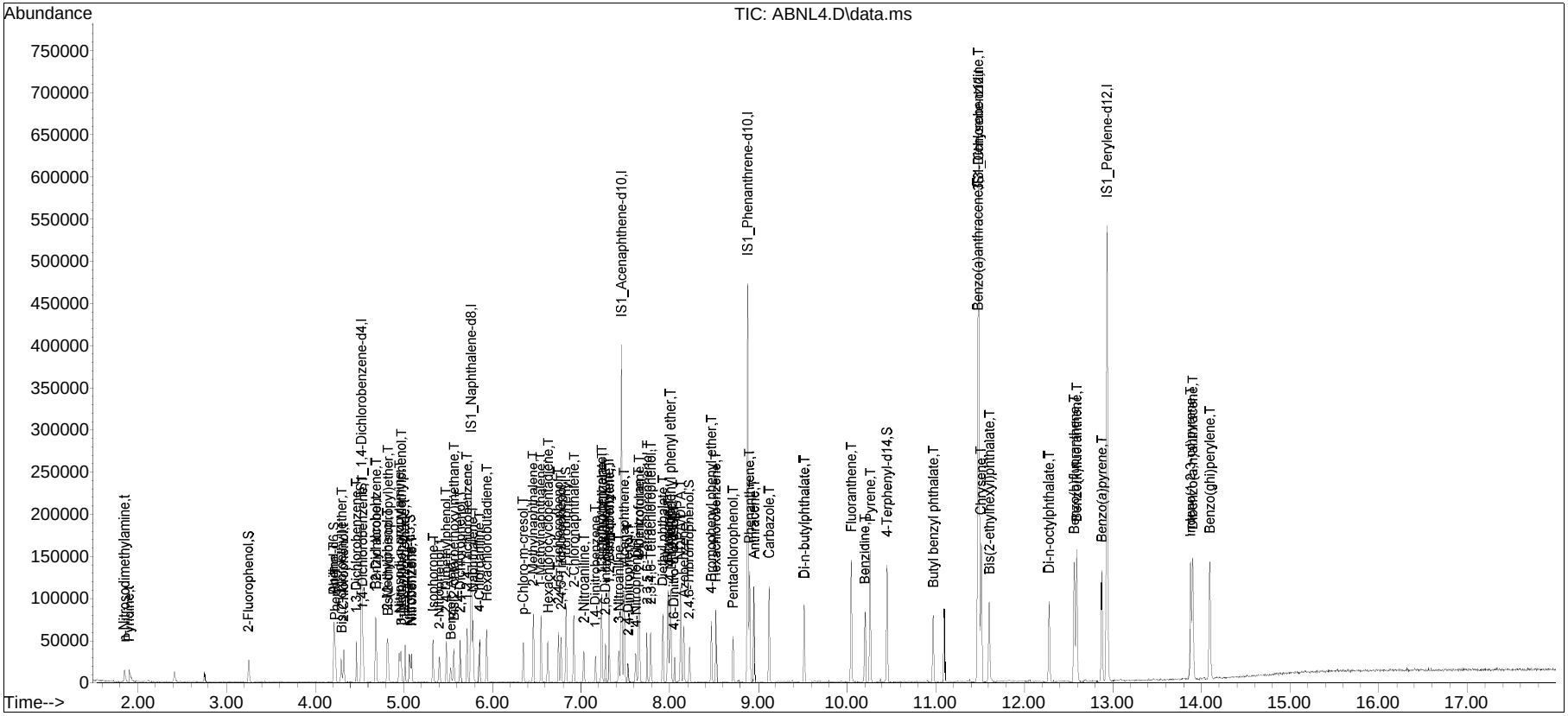
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL4.D
Acq On : 18 Jun 2024 2:15 pm
Operator : Dakota:cmm
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1938219,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 20:48:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNL4.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 2:15 pm	Instrument	: Dakota
Sample	: IL7,32,,ABNL1 Lot# 10783	Quant Date	: 6/19/2024 4:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL3.D
Acq On : 18 Jun 2024 2:38 pm
Operator : Dakota:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1938219,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 20:47:07 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.527	152	30767	4.000 ug/ml	0.00
Standard Area 1 = 28474			Recovery = 108.05%		
35) IS1_Naphthalene-d8	5.760	136	106830	4.000 ug/ml #	0.00
Standard Area 1 = 106396			Recovery = 100.41%		
63) IS1_Acenaphthene-d10	7.457	164	73911	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 103.10%		
88) IS1_Phenanthrene-d10	8.881	188	169060	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 102.84%		
104) IS1_Chrysene-d12	11.486	240	173682	4.000 ug/ml #	0.00
Standard Area 1 = 172424			Recovery = 100.73%		
113) IS1_Perylene-d12	12.934	264	207926	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 101.25%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.255	112	3674	0.471 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.55%		
7) Phenol-d6	4.216	99	4978	0.516 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.80%		
19) Nitrobenzene-d5	5.070	82	5196	0.520 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.00%		
46) 2-Fluorobiphenyl	6.830	172	14125	0.567 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 56.70%		
79) 2,4,6-Tribromophenol	8.219	330	2505	0.502 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.10%		
96) 4-Terphenyl-d14	10.454	244	22804	0.552 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.20%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.860	74	2731	0.525 ug/ml#	71
3) Pyridine	1.925	79	4508M1	0.542 ug/ml	
5) Aniline	4.210	93	6453	0.512 ug/ml#	59
6) 2-Chlorophenol	4.325	128	4142	0.461 ug/ml#	84
8) Phenol	4.225	94	5819	0.502 ug/ml#	62
9) Bis(2-chloroethyl)ether	4.297	93	3897	0.527 ug/ml	95
10) 1,3-Dichlorobenzene	4.471	146	5880	0.522 ug/ml	90
11) 1,4-Dichlorobenzene	4.542	146	6135	0.538 ug/ml	91
12) 1,2-Dichlorobenzene	4.688	146	5951	0.551 ug/ml	96
13) Benzyl alcohol	4.688	79	3901	0.517 ug/ml	94
14) Bis(2-chloroisopropyl)...	4.825	45	5808	0.543 ug/ml#	48

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL3.D
Acq On : 18 Jun 2024 2:38 pm
Operator : Dakota:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1938219,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 20:47:07 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	3777	0.483	ug/ml	97
16) Hexachloroethane	5.018	117	1951	0.484	ug/ml#	26
17) n-Nitrosodi-n-propylamine	4.955	70	3473	0.511	ug/ml#	81
18) 3-Methylphenol/4-Methy...	4.971	108	3877	0.466	ug/ml#	91
20) Nitrobenzene	5.089	77	5066	0.523	ug/ml	91
21) Isophorone	5.332	82	9046	0.515	ug/ml	94
22) 2-Nitrophenol	5.400	139	2765	0.559	ug/ml#	79
23) 2,4-Dimethylphenol	5.484	107	4358	0.534	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.571	93	5433	0.529	ug/ml#	87
25) 2,4-Dichlorophenol	5.642	162	4700	0.484	ug/ml#	89
26) 1,2,4-Trichlorobenzene	5.717	180	6326	0.559	ug/ml	92
36) Naphthalene	5.779	128	14330	0.555	ug/ml	97
37) Benzoic Acid	5.530	105	1645	0.287	ug/ml	94
38) 4-Chloroaniline	5.854	65	1717	0.535	ug/ml	79
39) Hexachlorobutadiene	5.931	225	3465	0.541	ug/ml	98
40) p-Chloro-m-cresol	6.351	107	4302	0.569	ug/ml	97
41) 2-Methylnaphthalene	6.457	142	10329	0.547	ug/ml	97
42) 1-Methylnaphthalene	6.547	115	3370	0.548	ug/ml	93
43) Hexachlorocyclopentadiene	6.631	237	4069	0.546	ug/ml	96
44) 2,4,6-Trichlorophenol	6.746	196	4115	0.538	ug/ml	94
45) 2,4,5-Trichlorophenol	6.777	196	4102	0.494	ug/ml	92
47) 2-Chloronaphthalene	6.923	162	11429	0.545	ug/ml	93
48) 2-Nitroaniline	7.038	138	2862	0.494	ug/ml	86
49) 1,4-Dinitrobenzene	7.168	168	1797M3	0.594	ug/ml	
50) 1,3-Dinitrobenzene	7.240	168	1561	0.449	ug/ml#	1
51) Dimethyl phthalate	7.237	163	14153	0.555	ug/ml#	95
52) Acenaphthylene	7.318	152	17610	0.554	ug/ml	96
53) 2,6-Dinitrotoluene	7.277	165	2698	0.502	ug/ml#	75
54) 1,2-Dinitrobenzene	7.315	168	933	0.458	ug/ml#	1
64) 3-Nitroaniline	7.433	138	2552	0.470	ug/ml#	85
65) Acenaphthene	7.489	154	10176	0.540	ug/ml	83
66) 2,4-Dinitrophenol	7.532	184	1204	0.316	ug/ml#	88
67) Dibenzofuran	7.656	168	18554	0.567	ug/ml	89
68) 2,4-Dinitrotoluene	7.663	165	3353	0.437	ug/ml	95
69) 4-Nitrophenol	7.625	65	2326	0.516	ug/ml	92
70) 2,3,5,6-Tetrachlorophenol	7.750	232	3637	0.474	ug/ml	93
71) 2,3,4,6-Tetrachlorophenol	7.790	232	3849	0.515	ug/ml	93
72) Diethyl phthalate	7.927	149	14101	0.527	ug/ml	99
73) Fluorene	7.986	166	13389	0.527	ug/ml	89
74) 4-Chlorophenyl phenyl ...	8.008	204	6991	0.536	ug/ml#	85

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL3.D
Acq On : 18 Jun 2024 2:38 pm
Operator : Dakota:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1938219,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 20:47:07 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.014	138	2683	0.488	ug/ml#	81
76)	4,6-Dinitro-o-cresol	8.054	198	1896	0.377	ug/ml#	65
77)	NDPA/DPA	8.123	169	11149	0.513	ug/ml	88
78)	Azobenzene	8.157	77	11915	0.536	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.474	248	4345	0.519	ug/ml#	81
81)	Hexachlorobenzene	8.524	284	6124	0.598	ug/ml#	79
82)	Pentachlorophenol	8.716	266	2851	0.420	ug/ml	97
89)	Phenanthrene	8.903	178	24157	0.574	ug/ml	98
90)	Anthracene	8.952	178	23974	0.571	ug/ml	98
91)	Carbazole	9.120	167	21595	0.536	ug/ml	98
92)	Di-n-butylphthalate	9.515	149	24054	0.508	ug/ml#	98
93)	Fluoranthene	10.050	202	29198	0.563	ug/ml#	90
94)	Benzidine	10.205	184	15100	0.474	ug/ml#	93
95)	Pyrene	10.261	202	29549	0.541	ug/ml	99
97)	Butyl benzyl phthalate	10.976	149	10030	0.452	ug/ml	89
105)	Benzo(a)anthracene	11.476	228	29221	0.535	ug/ml	96
106)	3,3'-Dichlorobenzidine	11.479	252	9808	0.446	ug/ml#	97
107)	Chrysene	11.510	228	30922	0.602	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	11.610	149	15106	0.445	ug/ml#	89
109)	Di-n-octylphthalate	12.278	149	23438	0.405	ug/ml#	73
110)	Benzo(b)fluoranthene	12.564	252	31213	0.532	ug/ml#	92
111)	Benzo(k)fluoranthene	12.592	252	30350	0.540	ug/ml#	92
112)	Benzo(a)pyrene	12.875	252	27147	0.505	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	13.879	276	32494M6	0.525	ug/mL	
115)	Dibenzo(a,h)anthracene	13.901	278	28981	0.493	ug/ml#	89
116)	Benzo(ghi)perylene	14.093	276	28997	0.517	ug/ml#	83

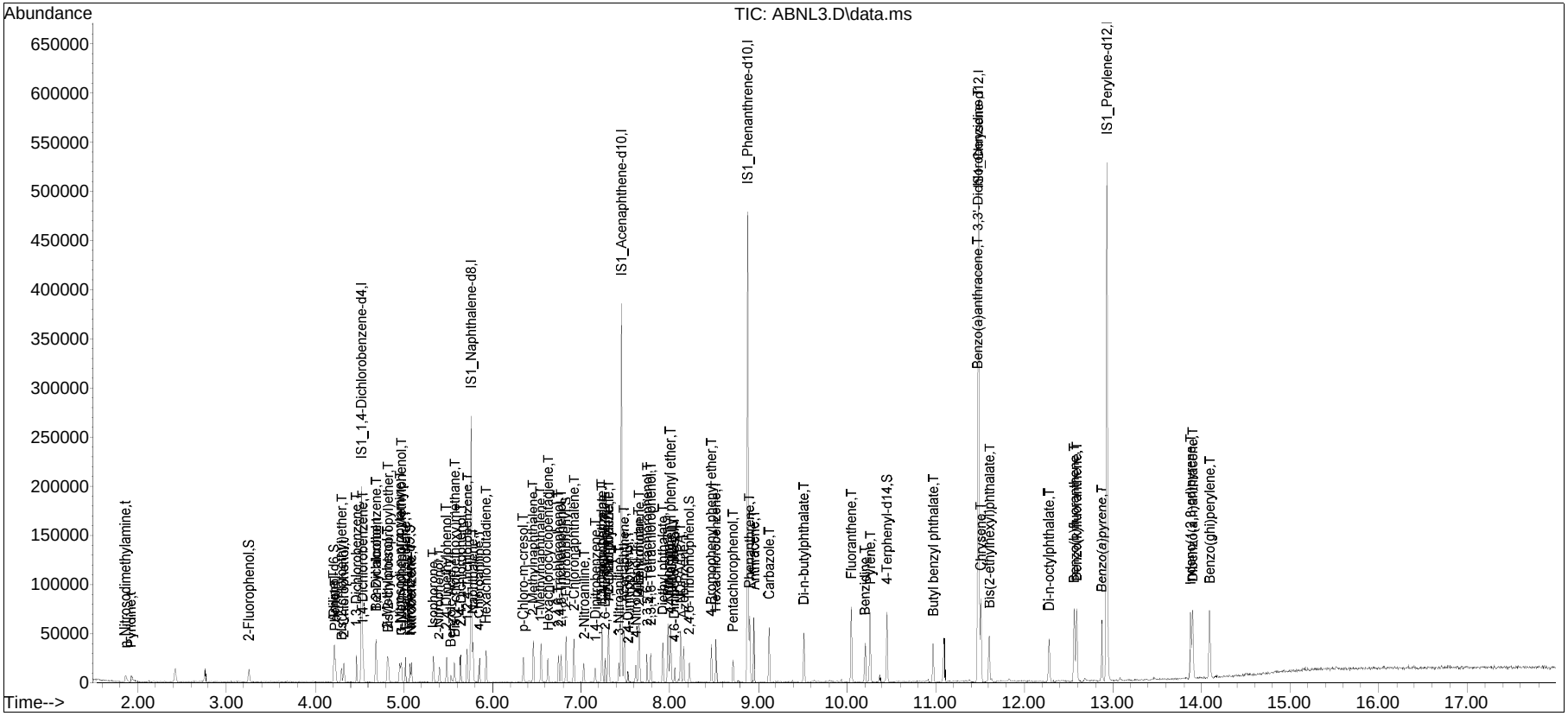
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL3.D
Acq On : 18 Jun 2024 2:38 pm
Operator : Dakota:cmm
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1938219,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 19 20:47:07 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

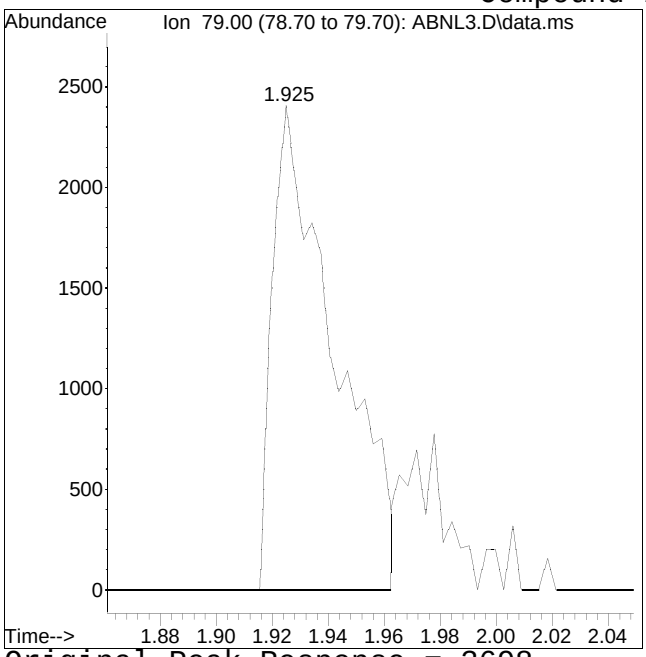
Sub List : ABNical - ABN ical sublistcal\ABNL6.D•

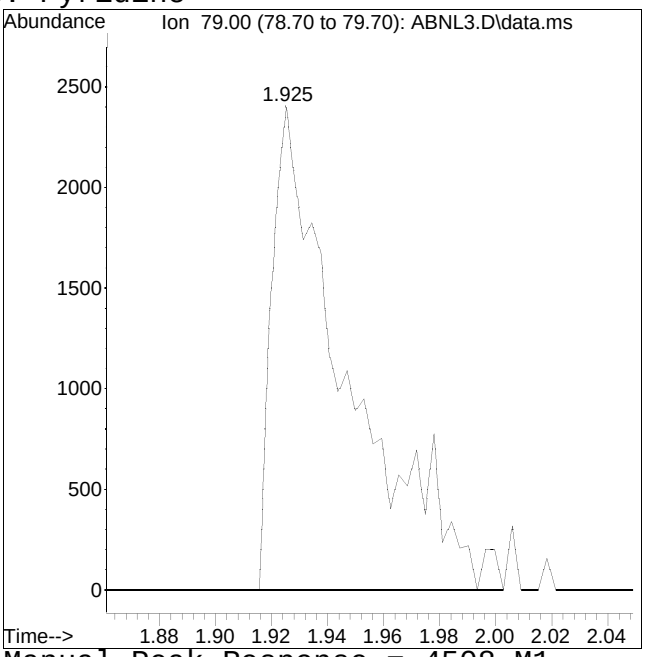


Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL3.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 2:38 pm Instrument : Dakota
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/19/2024 4:30 pm

Compound #3: Pyridine



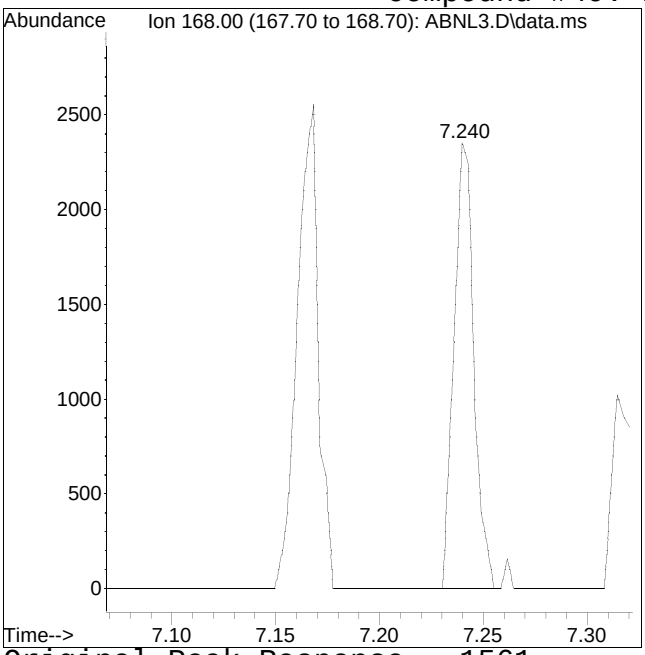


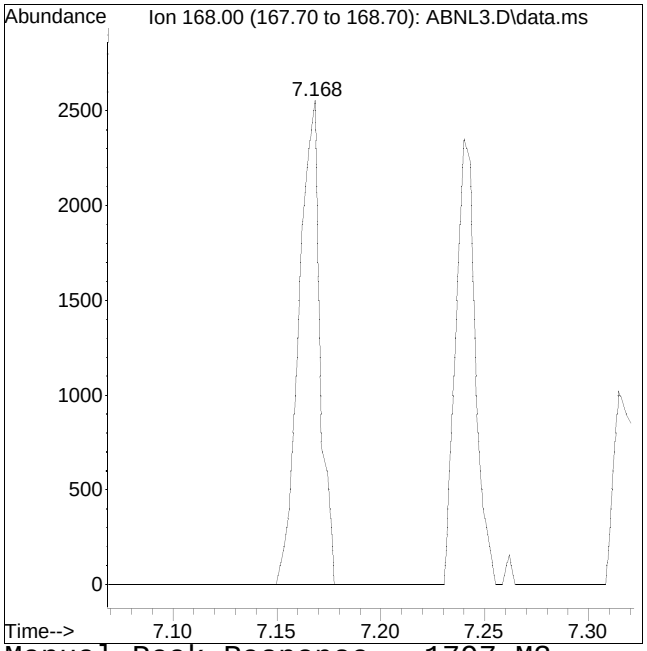
Original Peak Response = 3698 Manual Peak Response = 4508 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL3.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 2:38 pm Instrument : Dakota
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/19/2024 4:30 pm

Compound #49: 1,4-Dinitrobenzene





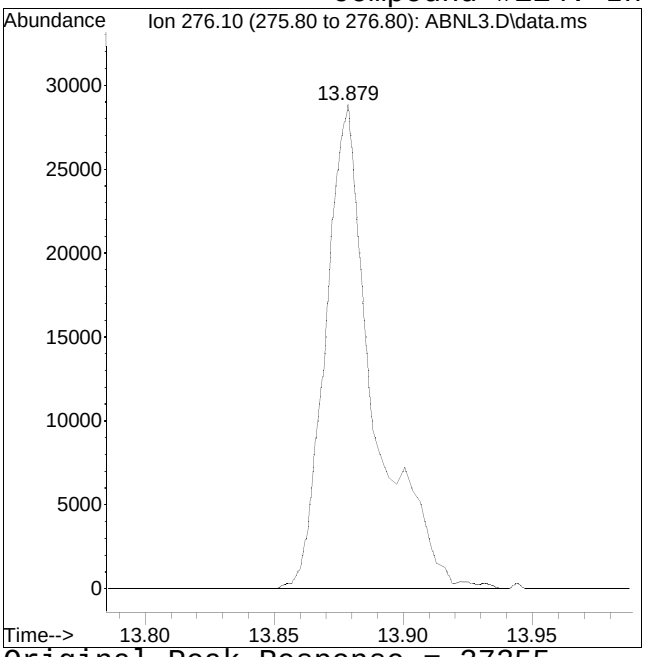
Original Peak Response = 1561 Manual Peak Response = 1797 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

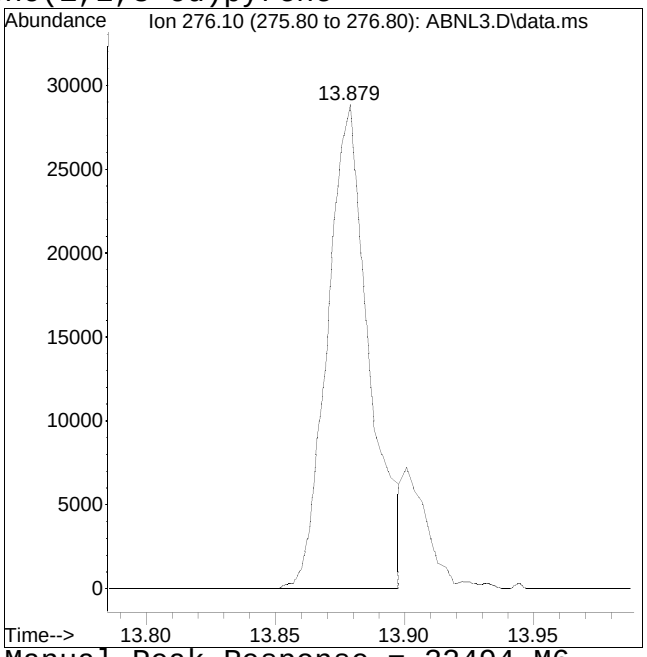
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL3.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 2:38 pm Instrument : Dakota
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/19/2024 4:30 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 37355



Manual Peak Response = 32494 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL2.D
Acq On : 18 Jun 2024 3:00 pm
Operator : Dakota:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1938219,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 20:45:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.526	152	29381	4.000 ug/ml	0.00
Standard Area 1 = 28474			Recovery = 103.19%		
35) IS1_Naphthalene-d8	5.760	136	102035	4.000 ug/ml	# 0.00
Standard Area 1 = 106396			Recovery = 95.90%		
63) IS1_Acenaphthene-d10	7.457	164	67046	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 93.52%		
88) IS1_Phenanthrene-d10	8.881	188	162304	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 98.73%		
104) IS1_Chrysene-d12	11.485	240	162388	4.000 ug/ml	0.00
Standard Area 1 = 172424			Recovery = 94.18%		
113) IS1_Perylene-d12	12.934	264	196649	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 95.76%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.255	112	1851	0.249 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.45%#		
7) Phenol-d6	4.213	99	1892	0.205 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.25%#		
19) Nitrobenzene-d5	5.070	82	2124	0.223 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.30%#		
46) 2-Fluorobiphenyl	6.830	172	6161	0.259 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.90%#		
79) 2,4,6-Tribromophenol	8.222	330	904	0.200 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.00%#		
96) 4-Terphenyl-d14	10.454	244	9595	0.242 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 24.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.863	74	1154	0.232 ug/ml#	78
3) Pyridine	1.950	79	1714M1	0.216 ug/ml	
5) Aniline	4.213	93	2815	0.234 ug/ml#	92
6) 2-Chlorophenol	4.321	128	1806	0.211 ug/ml#	83
8) Phenol	4.225	94	2373	0.214 ug/ml	97
9) Bis(2-chloroethyl)ether	4.300	93	1610	0.228 ug/ml	96
10) 1,3-Dichlorobenzene	4.471	146	2587M3	0.240 ug/ml	
11) 1,4-Dichlorobenzene	4.545	146	2784	0.256 ug/ml	96
12) 1,2-Dichlorobenzene	4.694	146	2363	0.229 ug/ml	91
13) Benzyl alcohol	4.685	79	1395	0.193 ug/ml#	78
14) Bis(2-chloroisopropyl)...	4.828	45	2666	0.261 ug/ml#	37

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL2.D
Acq On : 18 Jun 2024 3:00 pm
Operator : Dakota:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1938219,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 20:45:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.819	108	1783	0.239	ug/ml#	89
16) Hexachloroethane	5.018	117	1021	0.265	ug/ml#	63
17) n-Nitrosodi-n-propylamine	4.955	70	1471	0.226	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.974	108	1903	0.239	ug/ml#	96
20) Nitrobenzene	5.092	77	2201	0.238	ug/ml#	87
21) Isophorone	5.335	82	3305	0.197	ug/ml#	90
22) 2-Nitrophenol	5.403	139	891	0.189	ug/ml#	79
23) 2,4-Dimethylphenol	5.481	107	2043	0.262	ug/ml#	79
24) Bis(2-chloroethoxy)met...	5.571	93	2422	0.247	ug/ml#	84
25) 2,4-Dichlorophenol	5.639	162	1912	0.206	ug/ml#	87
26) 1,2,4-Trichlorobenzene	5.717	180	2704	0.250	ug/ml#	94
36) Naphthalene	5.779	128	6421	0.260	ug/ml	99
37) Benzoic Acid	5.533	105	359M2	0.066	ug/ml	
38) 4-Chloroaniline	5.854	65	901	0.294	ug/ml	86
39) Hexachlorobutadiene	5.934	225	1511	0.247	ug/ml#	87
40) p-Chloro-m-cresol	6.351	107	1515	0.210	ug/ml#	80
41) 2-Methylnaphthalene	6.460	142	4506	0.250	ug/ml	99
42) 1-Methylnaphthalene	6.550	115	1477	0.251	ug/ml	89
43) Hexachlorocyclopentadiene	6.631	237	1670	0.235	ug/ml#	93
44) 2,4,6-Trichlorophenol	6.749	196	1705M3	0.233	ug/ml	
45) 2,4,5-Trichlorophenol	6.774	196	1710	0.216	ug/ml	92
47) 2-Chloronaphthalene	6.923	162	5136	0.257	ug/ml#	89
48) 2-Nitroaniline	7.035	138	1179	0.213	ug/ml#	78
49) 1,4-Dinitrobenzene	7.162	168	626	0.217	ug/ml	78
50) 1,3-Dinitrobenzene	7.243	168	683	0.206	ug/ml#	1
51) Dimethyl phthalate	7.237	163	6188	0.254	ug/ml#	95
52) Acenaphthylene	7.318	152	6898	0.227	ug/ml	97
53) 2,6-Dinitrotoluene	7.277	165	1252	0.244	ug/ml#	71
54) 1,2-Dinitrobenzene	7.321	168	385M3	0.198	ug/ml	
64) 3-Nitroaniline	7.436	138	1152	0.234	ug/ml#	67
65) Acenaphthene	7.485	154	4912	0.287	ug/ml	99
66) 2,4-Dinitrophenol	7.532	184	302M2	0.087	ug/ml	
67) Dibenzofuran	7.656	168	7398	0.249	ug/ml	99
68) 2,4-Dinitrotoluene	7.666	165	1449	0.208	ug/ml	95
69) 4-Nitrophenol	7.625	65	856	0.209	ug/ml	90
70) 2,3,5,6-Tetrachlorophenol	7.746	232	1620M3	0.233	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	7.793	232	1464	0.216	ug/ml	97
72) Diethyl phthalate	7.924	149	6763	0.279	ug/ml	96
73) Fluorene	7.986	166	5912	0.257	ug/ml	93
74) 4-Chlorophenyl phenyl ...	8.008	204	3211	0.272	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL2.D
Acq On : 18 Jun 2024 3:00 pm
Operator : Dakota:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1938219,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 20:45:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.014	138	830	0.167	ug/ml#	89
76)	4,6-Dinitro-o-cresol	8.054	198	753	0.165	ug/ml#	66
77)	NDPA/DPA	8.123	169	4947	0.251	ug/ml	94
78)	Azobenzene	8.157	77	5118	0.254	ug/ml#	90
80)	4-Bromophenyl phenyl e...	8.474	248	1969	0.259	ug/ml#	82
81)	Hexachlorobenzene	8.520	284	2428	0.261	ug/ml#	74
82)	Pentachlorophenol	8.719	266	958	0.156	ug/ml	95
89)	Phenanthrene	8.903	178	10637	0.263	ug/ml	97
90)	Anthracene	8.952	178	9721M3	0.241	ug/ml	
91)	Carbazole	9.120	167	9134	0.236	ug/ml	98
92)	Di-n-butylphthalate	9.518	149	10125	0.223	ug/ml#	92
93)	Fluoranthene	10.050	202	12304	0.247	ug/ml#	94
94)	Benzidine	10.205	184	6149	0.201	ug/ml#	85
95)	Pyrene	10.261	202	12165	0.232	ug/ml	97
97)	Butyl benzyl phthalate	10.976	149	4214	0.198	ug/ml#	76
105)	Benzo(a)anthracene	11.476	228	12767	0.250	ug/ml	95
106)	3,3'-Dichlorobenzidine	11.479	252	4294	0.209	ug/ml	91
107)	Chrysene	11.510	228	13814	0.288	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	6035	0.190	ug/ml#	86
109)	Di-n-octylphthalate	12.281	149	9546	0.176	ug/ml#	76
110)	Benzo(b)fluoranthene	12.564	252	12876	0.235	ug/ml#	93
111)	Benzo(k)fluoranthene	12.595	252	12753	0.243	ug/ml#	94
112)	Benzo(a)pyrene	12.875	252	11133	0.222	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	13.879	276	12555	0.214	ug/mL#	89
115)	Dibenzo(a,h)anthracene	13.904	278	12917	0.232	ug/ml#	88
116)	Benzo(ghi)perylene	14.096	276	12453	0.235	ug/ml#	80

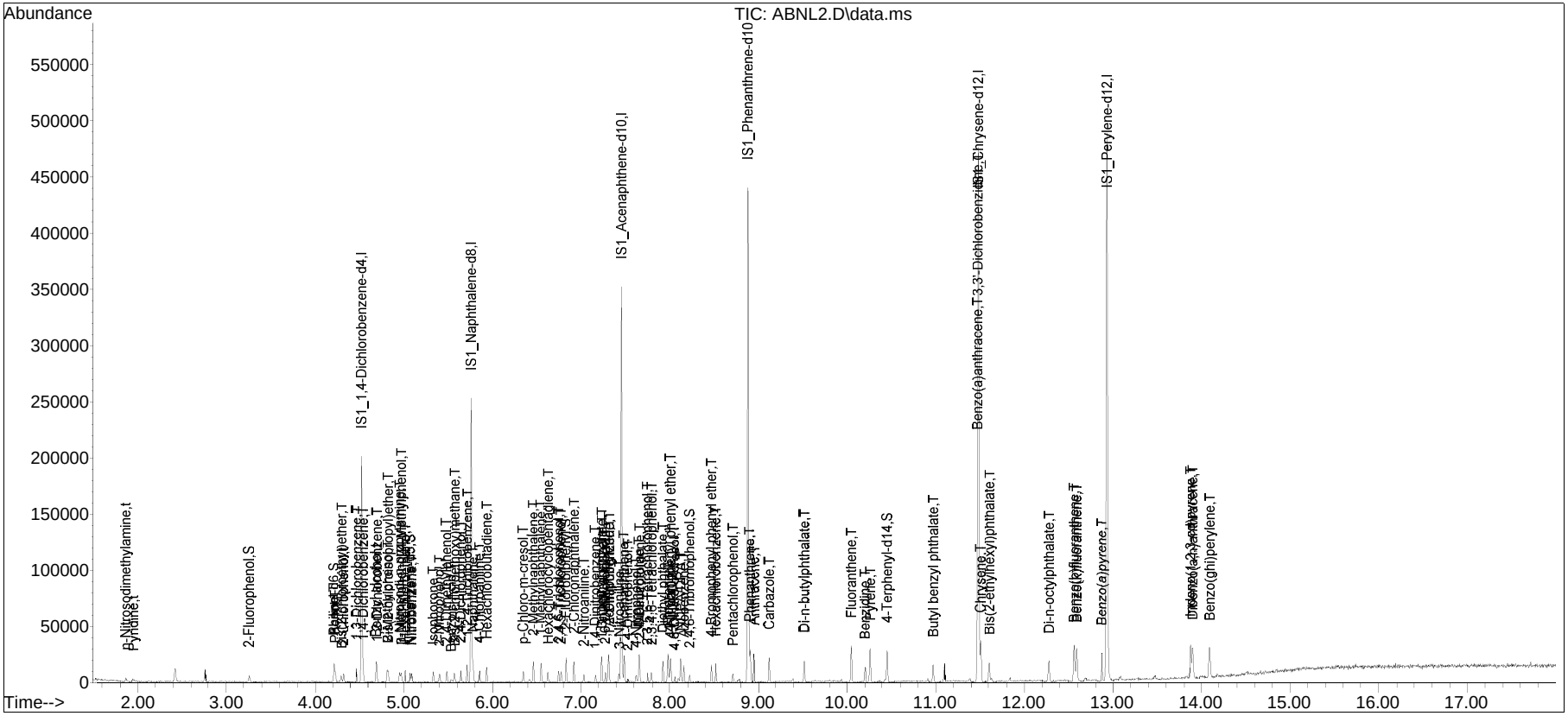
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL2.D
Acq On : 18 Jun 2024 3:00 pm
Operator : Dakota:cmm
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1938219,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 20:45:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

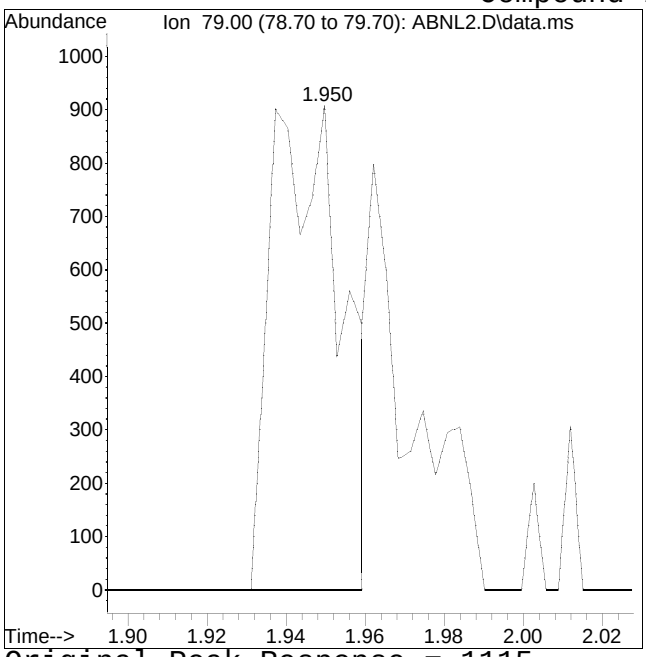
Sub List : ABNical - ABN ical sublistcal\ABNL6.D•

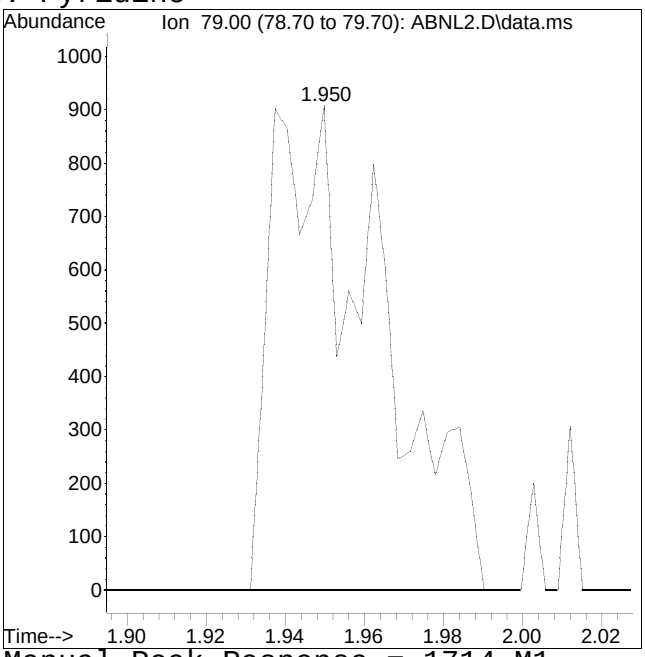


Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #3: Pyridine



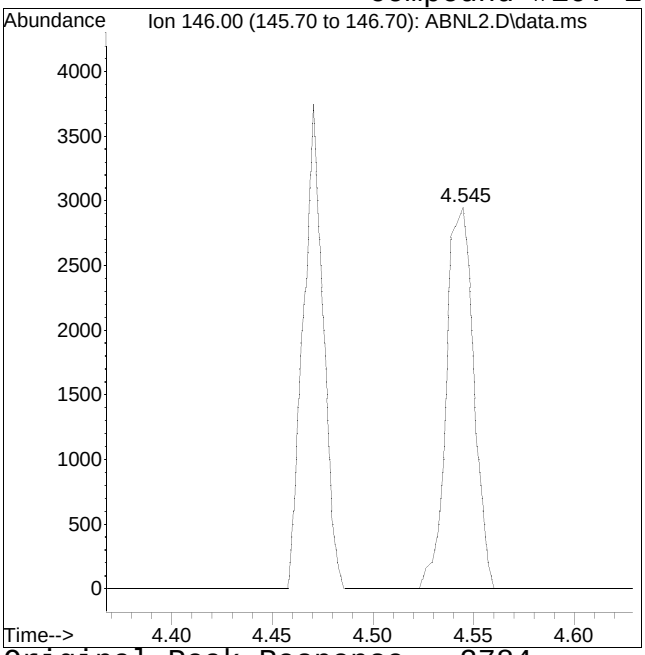


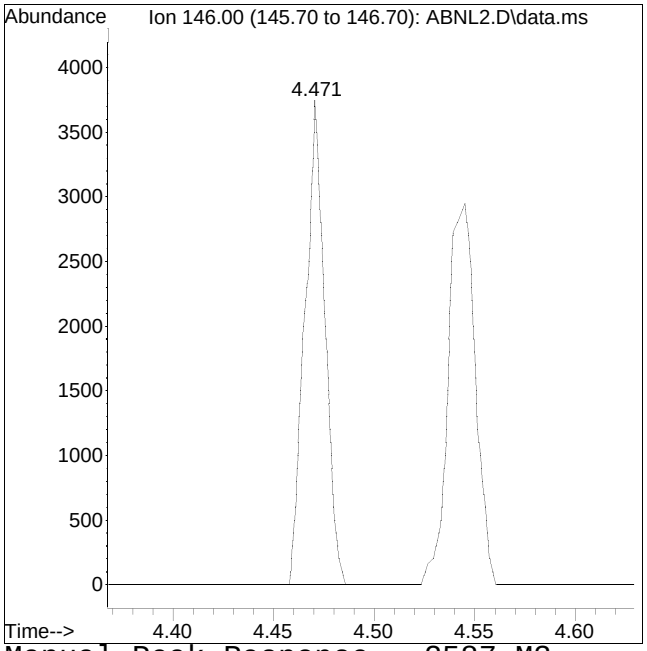
Original Peak Response = 1115 Manual Peak Response = 1714 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #10: 1,3-Dichlorobenzene



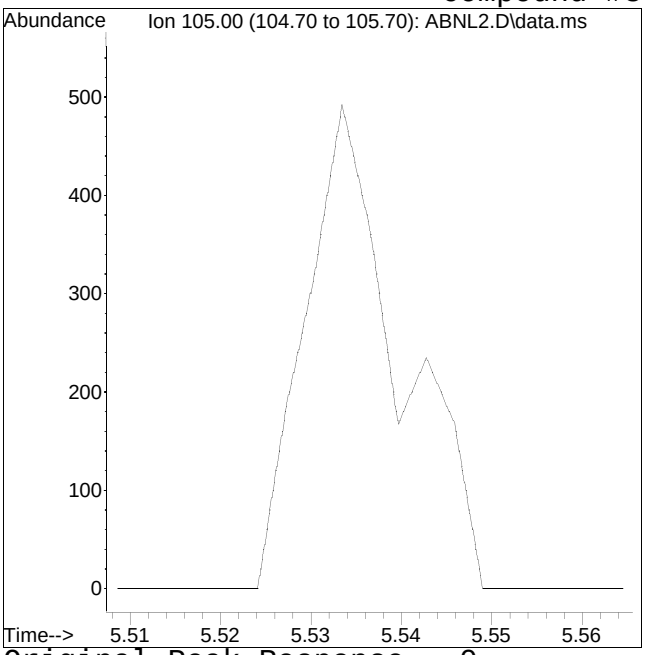


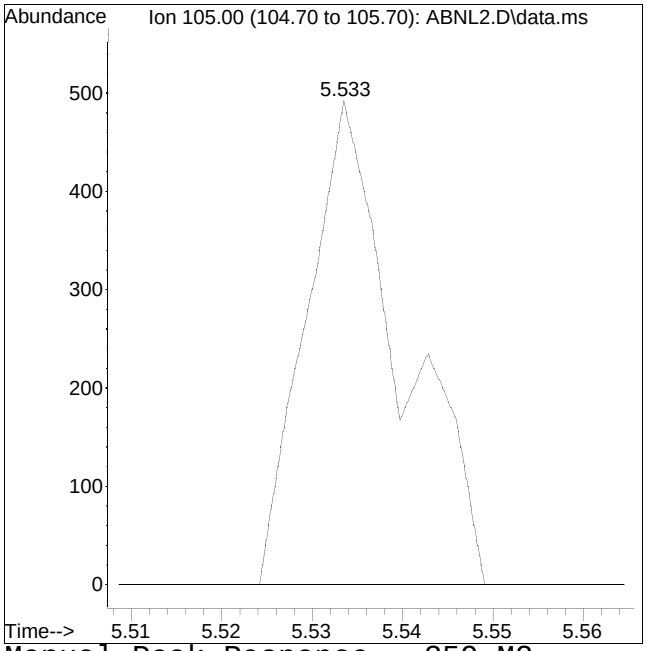
Original Peak Response = 2784 Manual Peak Response = 2587 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #37: Benzoic Acid



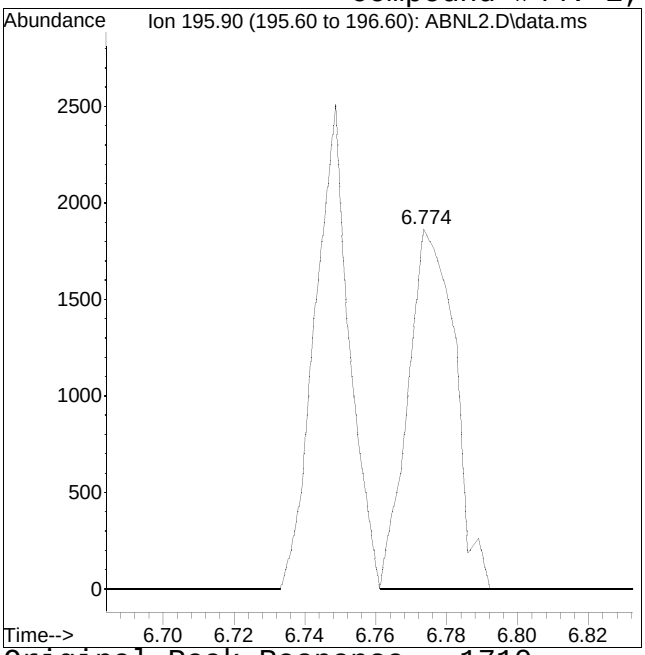


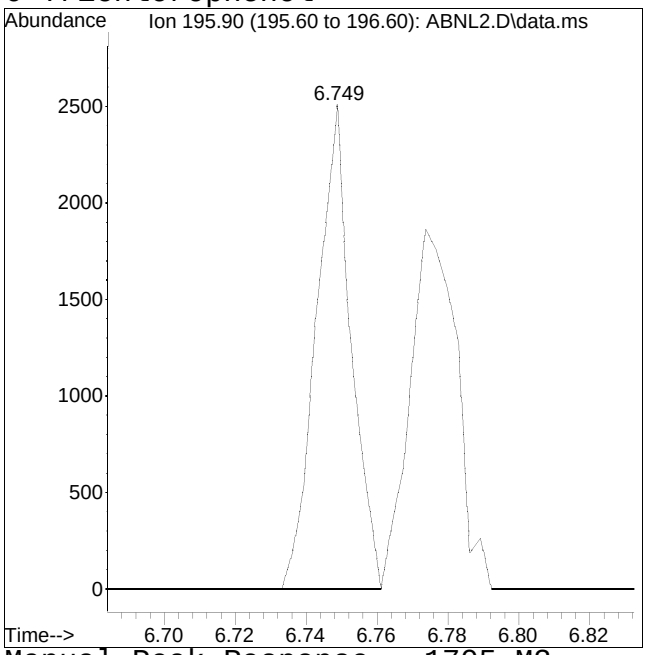
Original Peak Response = 0 Manual Peak Response = 359 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #44: 2,4,6-Trichlorophenol





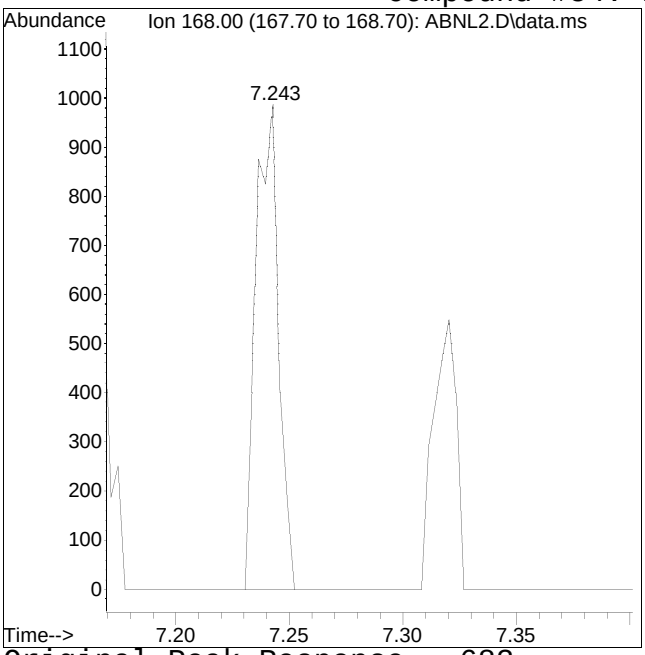
Original Peak Response = 1710 Manual Peak Response = 1705 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

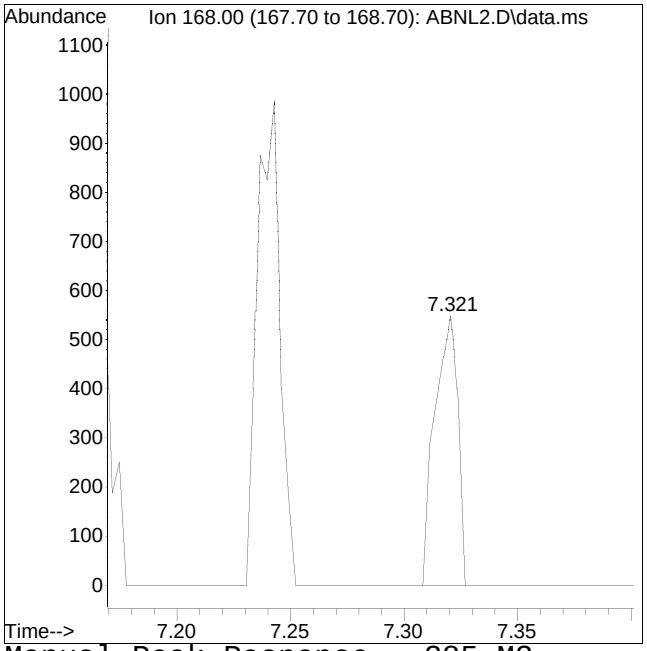
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 683



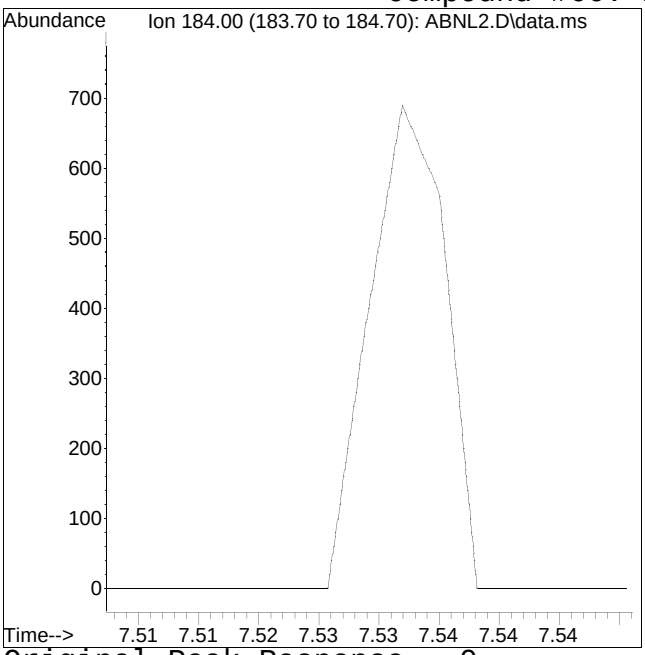
Manual Peak Response = 385 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

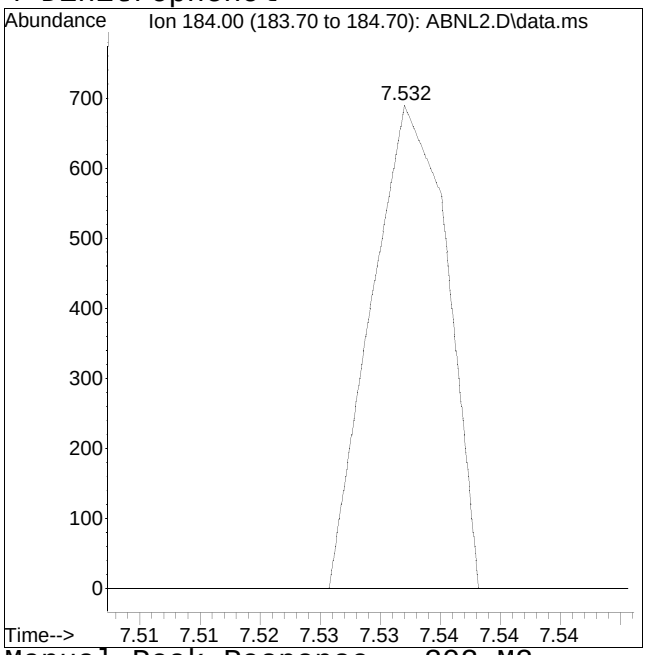
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



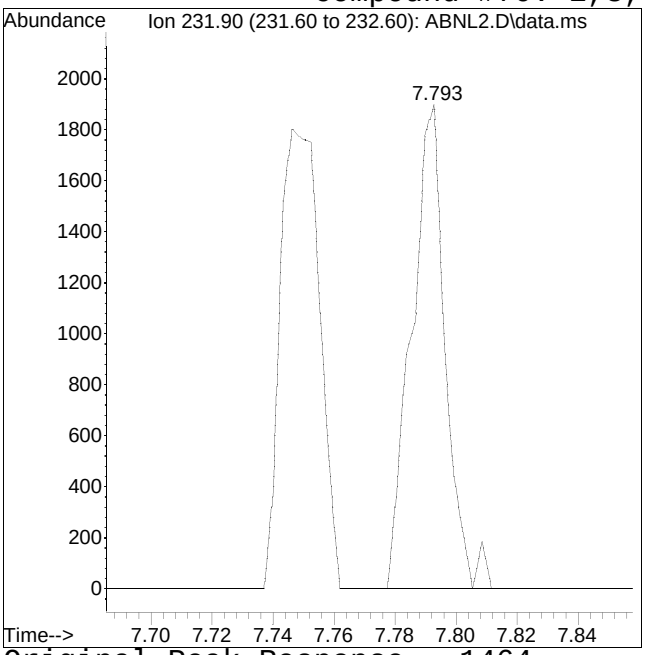
Manual Peak Response = 302 M2

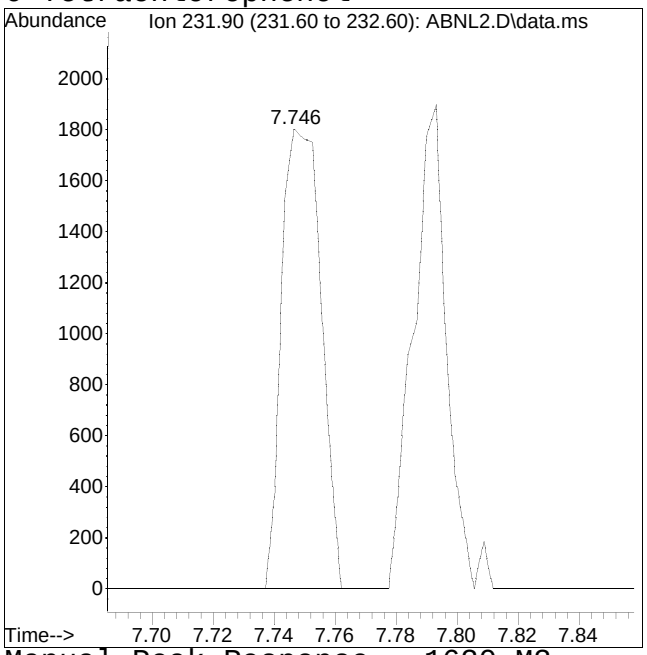
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #70: 2,3,5,6-Tetrachlorophenol





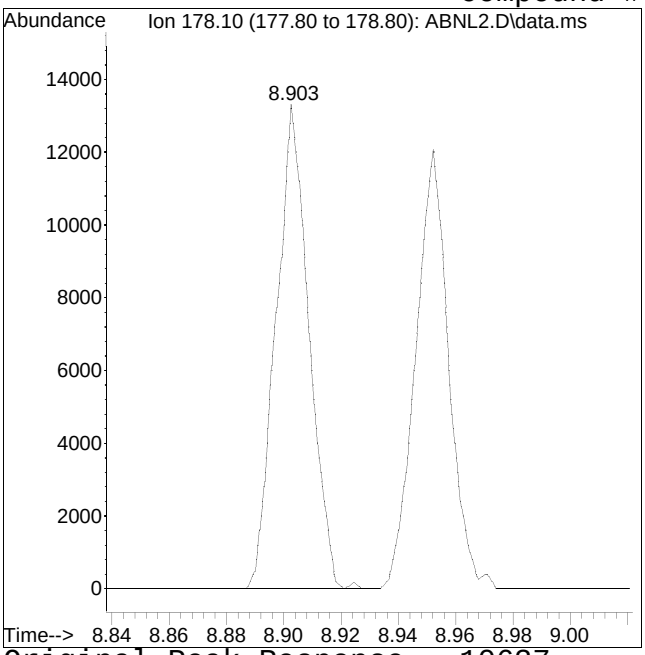
Original Peak Response = 1464 Manual Peak Response = 1620 M3

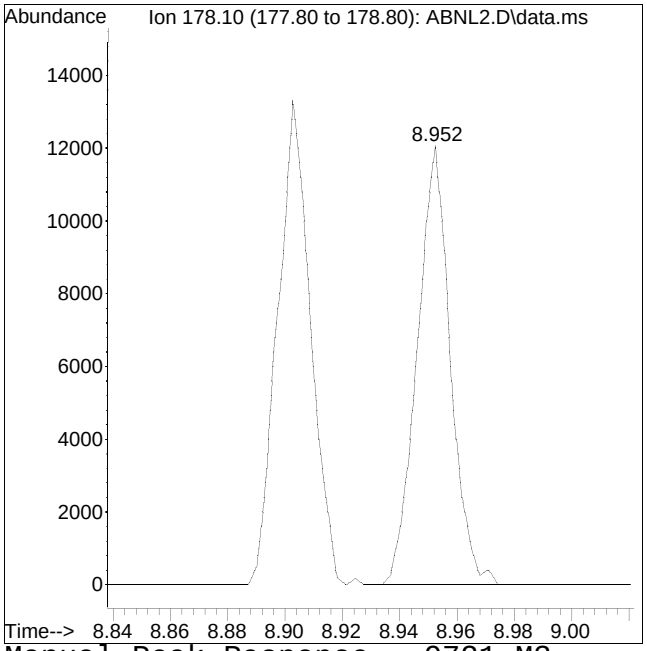
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL2.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:00 pm Instrument : Dakota
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/19/2024 4:30 pm

Compound #90: Anthracene





Original Peak Response = 10637 Manual Peak Response = 9721 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL1.D
Acq On : 18 Jun 2024 3:23 pm
Operator : Dakota:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1938219,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 19 16:37:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.527	152	30020	4.000 ug/ml	0.00
Standard Area 1 = 28474			Recovery = 105.43%		
35) IS1_Naphthalene-d8	5.760	136	102756	4.000 ug/ml	# 0.00
Standard Area 1 = 106396			Recovery = 96.58%		
63) IS1_Acenaphthene-d10	7.457	164	67199	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 93.73%		
88) IS1_Phenanthrene-d10	8.881	188	163260	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 99.31%		
104) IS1_Chrysene-d12	11.486	240	162239	4.000 ug/ml	0.00
Standard Area 1 = 172424			Recovery = 94.09%		
113) IS1_Perylene-d12	12.934	264	191665	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 93.33%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.262	112	725	0.095 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.75%#		
7) Phenol-d6	4.219	99	1051	0.112 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.60%#		
19) Nitrobenzene-d5	5.074	82	1325	0.136 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 13.60%#		
46) 2-Fluorobiphenyl	6.830	172	3084	0.129 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.90%#		
79) 2,4,6-Tribromophenol	8.219	330	306M2	0.067 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3.35%#		
96) 4-Terphenyl-d14	10.451	244	5532	0.139 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 13.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	0.000		0	N.D.	
3) Pyridine	0.000		0	N.D.	
5) Aniline	4.216	93	1482	0.120 ug/ml#	81
6) 2-Chlorophenol	4.324	128	873	0.100 ug/ml#	30
8) Phenol	4.231	94	1122	0.099 ug/ml#	68
9) Bis(2-chloroethyl)ether	4.300	93	828	0.115 ug/ml#	85
10) 1,3-Dichlorobenzene	4.467	146	1008	0.092 ug/ml#	53
11) 1,4-Dichlorobenzene	4.548	146	1197	0.108 ug/ml#	62
12) 1,2-Dichlorobenzene	4.694	146	1205	0.114 ug/ml#	72
13) Benzyl alcohol	4.691	79	684	0.093 ug/ml#	46

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL1.D
Acq On : 18 Jun 2024 3:23 pm
Operator : Dakota:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1938219,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 19 16:37:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	4.831	45	1353	0.130	ug/ml#	34
15) 2-Methylphenol	4.816	108	914	0.120	ug/ml#	87
16) Hexachloroethane	5.018	117	384M2	0.098	ug/ml	
17) n-Nitrosodi-n-propylamine	4.955	70	819	0.123	ug/ml#	59
18) 3-Methylphenol/4-Methy...	4.974	108	892	0.110	ug/ml#	91
20) Nitrobenzene	5.092	77	1080	0.114	ug/ml#	39
21) Isophorone	5.332	82	1878	0.110	ug/ml#	65
22) 2-Nitrophenol	5.406	139	504	0.104	ug/ml#	31
23) 2,4-Dimethylphenol	5.487	107	775	0.097	ug/ml#	72
24) Bis(2-chloroethoxy)met...	5.571	93	1223	0.122	ug/ml#	50
25) 2,4-Dichlorophenol	5.642	162	965	0.102	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.717	180	1319	0.119	ug/ml#	84
36) Naphthalene	5.779	128	3277	0.132	ug/ml#	52
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
39) Hexachlorobutadiene	5.934	225	681	0.111	ug/ml#	49
40) p-Chloro-m-cresol	6.354	107	734	0.101	ug/ml#	70
41) 2-Methylnaphthalene	6.460	142	2212	0.122	ug/ml	95
42) 1-Methylnaphthalene	6.550	115	759	0.128	ug/ml	87
43) Hexachlorocyclopentadiene	6.628	237	734	0.102	ug/ml#	27
44) 2,4,6-Trichlorophenol	6.746	196	766	0.104	ug/ml#	84
45) 2,4,5-Trichlorophenol	6.774	196	805	0.101	ug/ml#	85
47) 2-Chloronaphthalene	6.923	162	2357	0.117	ug/ml#	89
48) 2-Nitroaniline	7.035	138	629	0.113	ug/ml#	56
49) 1,4-Dinitrobenzene	7.165	168	292M2	0.100	ug/ml	
50) 1,3-Dinitrobenzene	7.243	168	303M2	0.091	ug/ml	
51) Dimethyl phthalate	7.234	163	3407	0.139	ug/ml#	77
52) Acenaphthylene	7.318	152	3614	0.118	ug/ml#	82
53) 2,6-Dinitrotoluene	7.280	165	526	0.102	ug/ml#	47
54) 1,2-Dinitrobenzene	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
65) Acenaphthene	7.492	154	2428	0.142	ug/ml	97
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.656	168	4106	0.138	ug/ml#	81
68) 2,4-Dinitrotoluene	7.666	165	640	0.092	ug/ml#	10
69) 4-Nitrophenol	7.622	65	445M3	0.109	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	7.750	232	857	0.123	ug/ml#	68
71) 2,3,4,6-Tetrachlorophenol	7.793	232	618	0.091	ug/ml#	71
72) Diethyl phthalate	7.927	149	3006	0.124	ug/ml#	88
73) Fluorene	7.986	166	2835	0.123	ug/ml#	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL1.D
Acq On : 18 Jun 2024 3:23 pm
Operator : Dakota:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1938219,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 19 16:37:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.008	204	1639	0.138	ug/ml#	64
75) 4-Nitroaniline	8.017	138	528	0.106	ug/ml#	69
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	8.123	169	2584	0.131	ug/ml	95
78) Azobenzene	8.157	77	2223	0.110	ug/ml#	56
80) 4-Bromophenyl phenyl e...	8.474	248	1009	0.133	ug/ml#	76
81) Hexachlorobenzene	8.520	284	1253	0.135	ug/ml#	33
82) Pentachlorophenol	8.716	266	438M2	0.071	ug/ml	
89) Phenanthrene	8.903	178	5668	0.139	ug/ml	97
90) Anthracene	8.949	178	4904	0.121	ug/ml	95
91) Carbazole	9.123	167	4647	0.119	ug/ml#	86
92) Di-n-butylphthalate	9.515	149	5061	0.111	ug/ml#	79
93) Fluoranthene	10.050	202	6725	0.134	ug/ml#	90
94) Benzidine	10.205	184	2833	0.092	ug/ml#	68
95) Pyrene	10.261	202	6846	0.130	ug/ml	96
97) Butyl benzyl phthalate	10.973	149	2063	0.096	ug/ml#	78
105) Benzo(a)anthracene	11.476	228	6401	0.125	ug/ml	98
106) 3,3'-Dichlorobenzidine	11.482	252	1965	0.096	ug/ml#	80
107) Chrysene	11.510	228	7053	0.147	ug/ml	98
108) Bis(2-ethylhexyl)phtha...	11.607	149	3150	0.099	ug/ml#	88
109) Di-n-octylphthalate	12.278	149	4725	0.087	ug/ml#	55
110) Benzo(b)fluoranthene	12.564	252	6752	0.123	ug/ml#	94
111) Benzo(k)fluoranthene	12.595	252	6237M3	0.119	ug/ml	
112) Benzo(a)pyrene	12.872	252	5612M3	0.112	ug/ml	
114) Indeno(1,2,3-cd)pyrene	13.879	276	6424	0.113	ug/mL#	87
115) Dibenzo(a,h)anthracene	13.897	278	5947	0.110	ug/ml#	90
116) Benzo(ghi)perylene	14.090	276	6192	0.120	ug/ml#	84

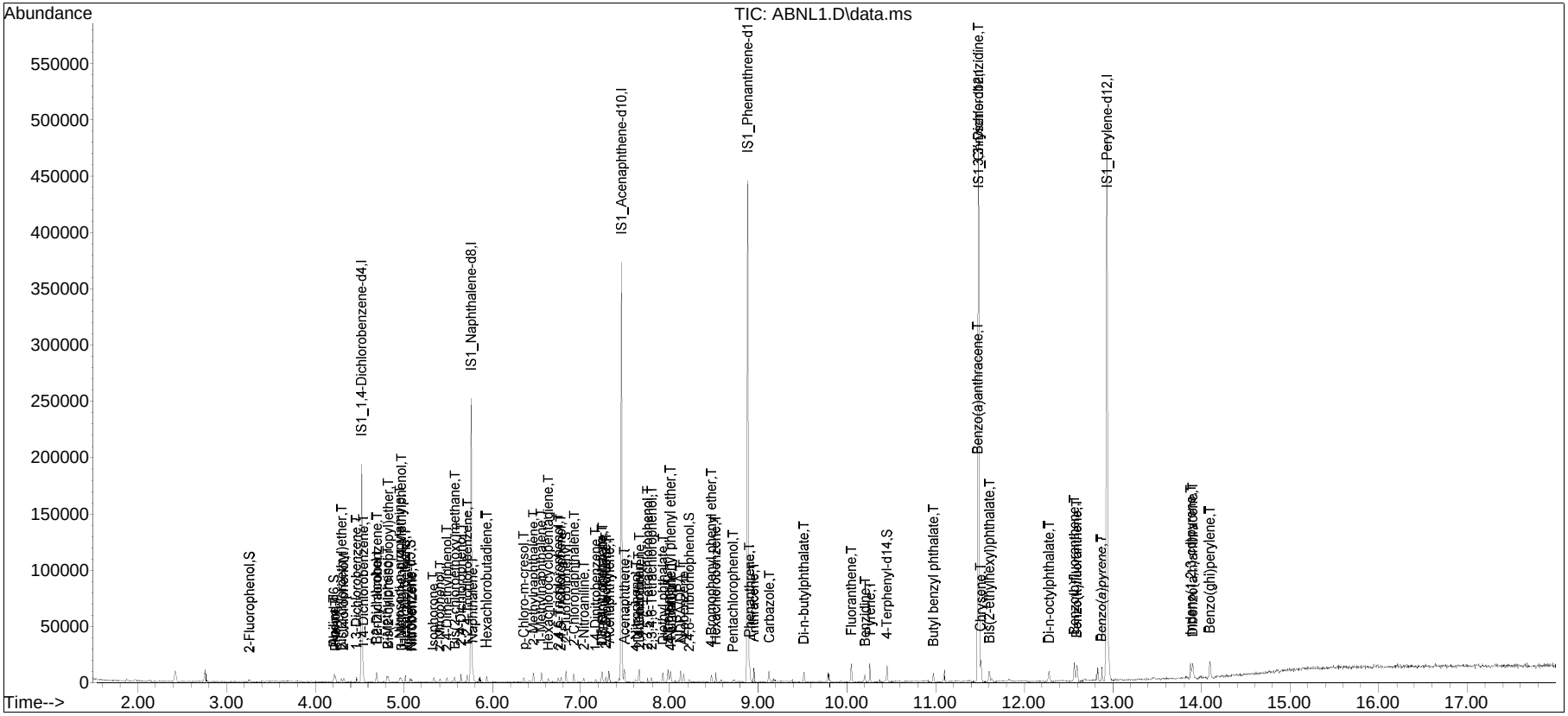
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNL1.D
Acq On : 18 Jun 2024 3:23 pm
Operator : Dakota:cmm
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1938219,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 19 16:37:37 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

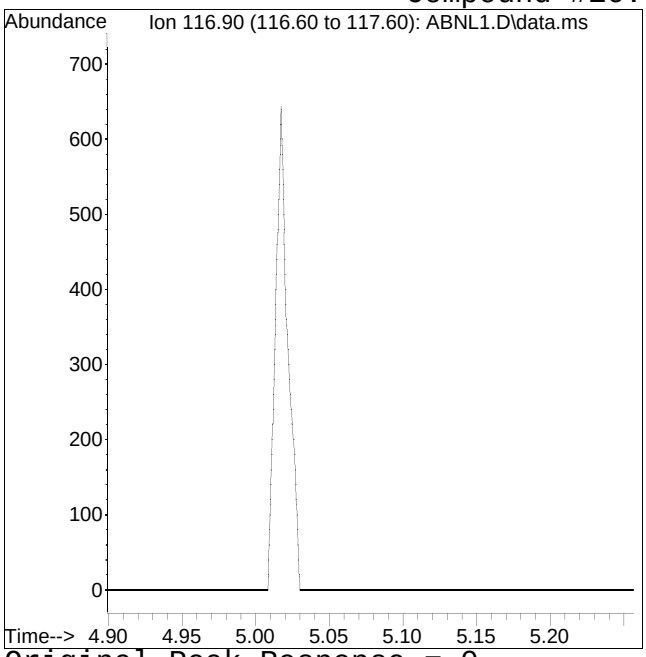
Sub List : ABNical - ABN ical sublistcal\ABNL6.D•



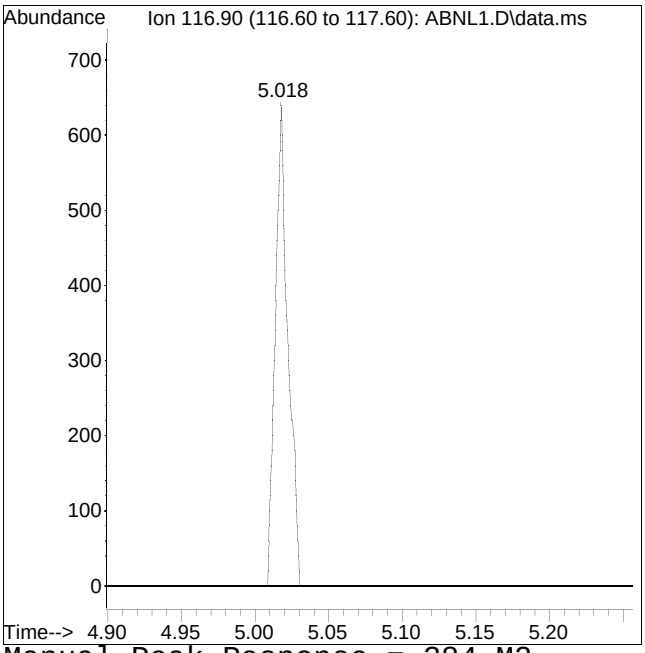
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #16: Hexachloroethane



Original Peak Response = 0



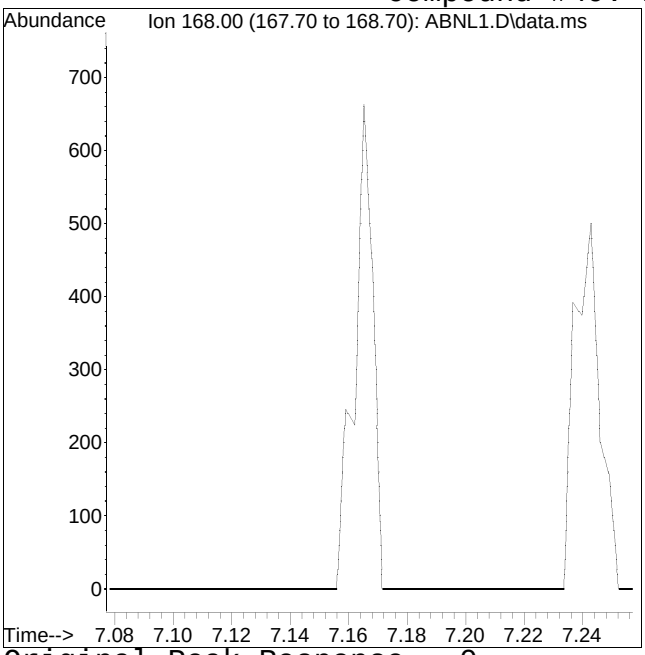
Manual Peak Response = 384 M2

M2 = Peak not found by automatic integration algorithm.

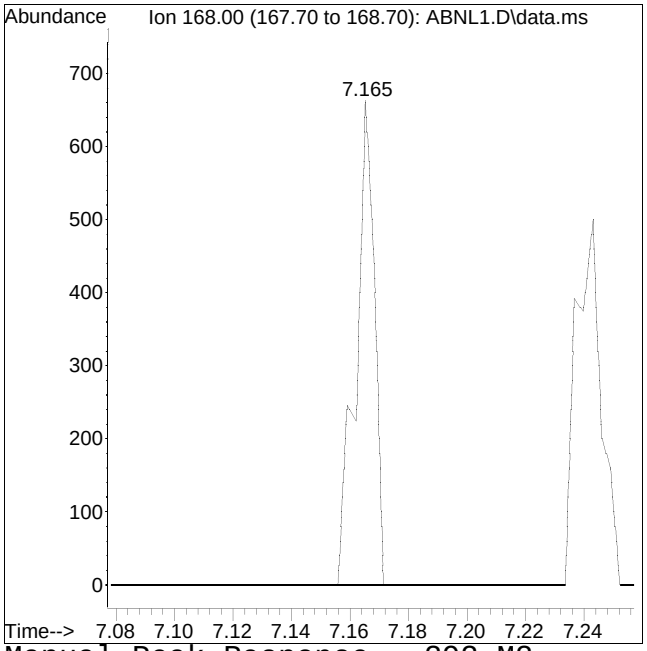
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



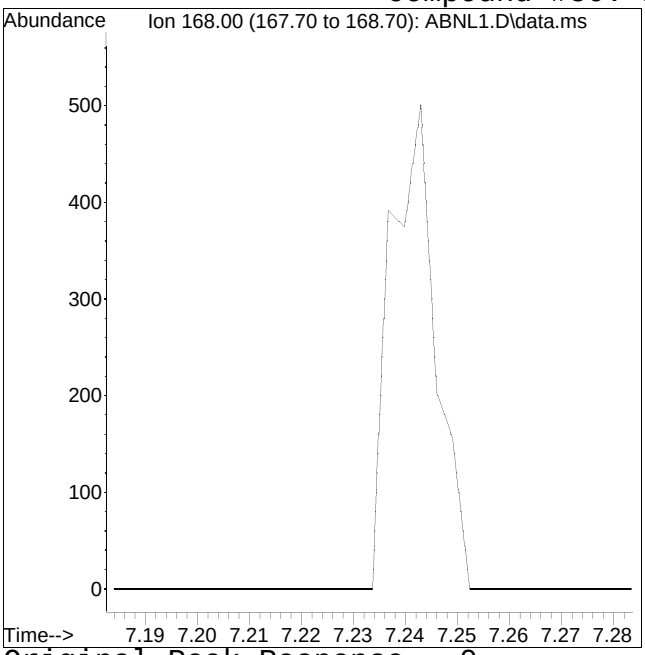
Manual Peak Response = 292 M2

M2 = Peak not found by automatic integration algorithm.

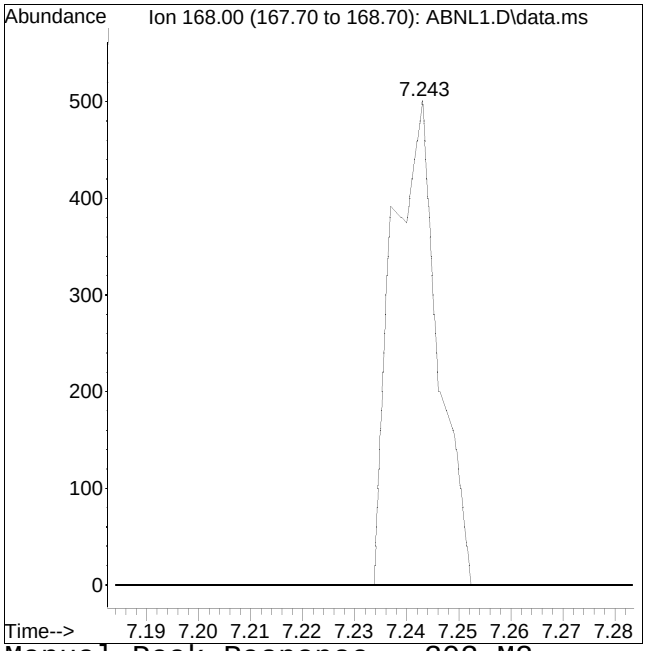
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



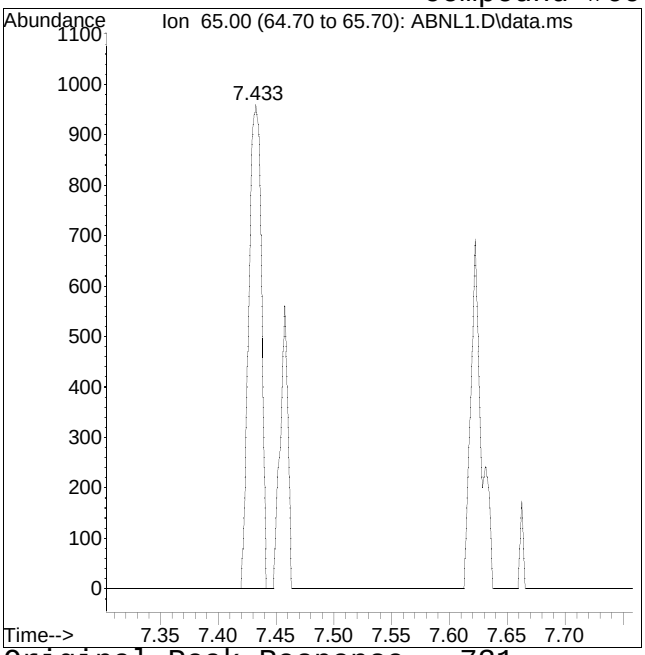
Manual Peak Response = 303 M2

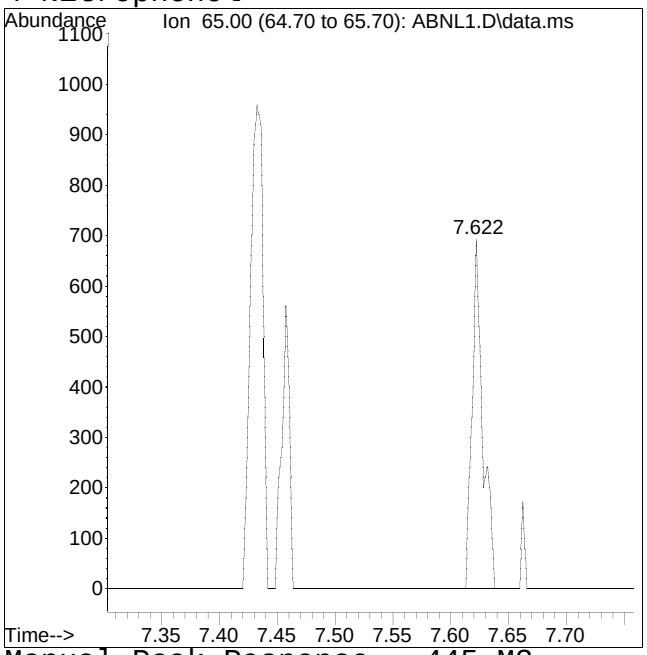
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #69: 4-Nitrophenol





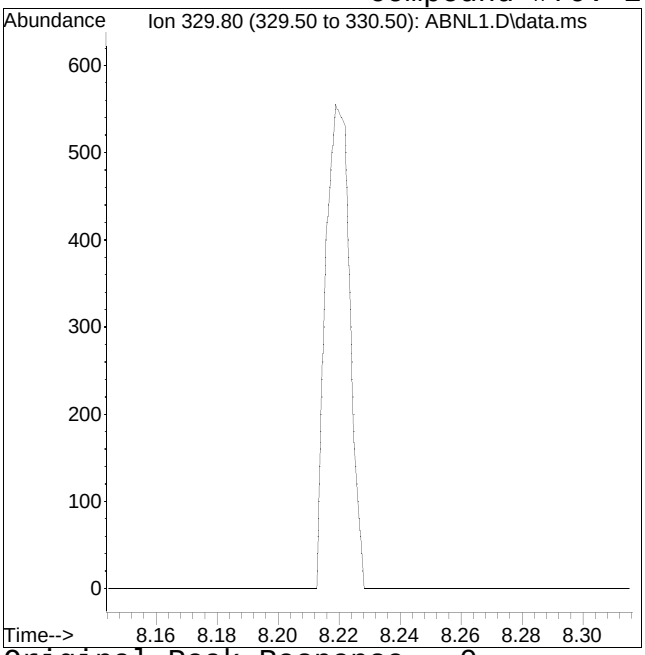
Original Peak Response = 731 Manual Peak Response = 445 M3

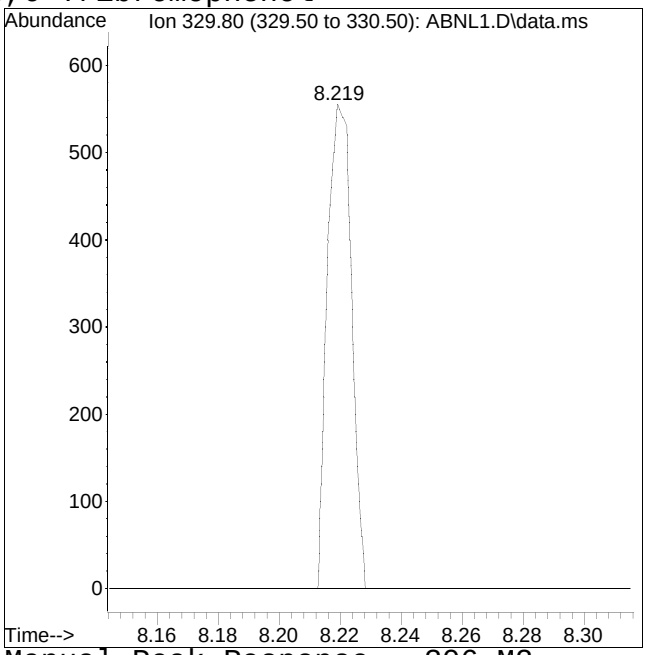
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #79: 2,4,6-Tribromophenol



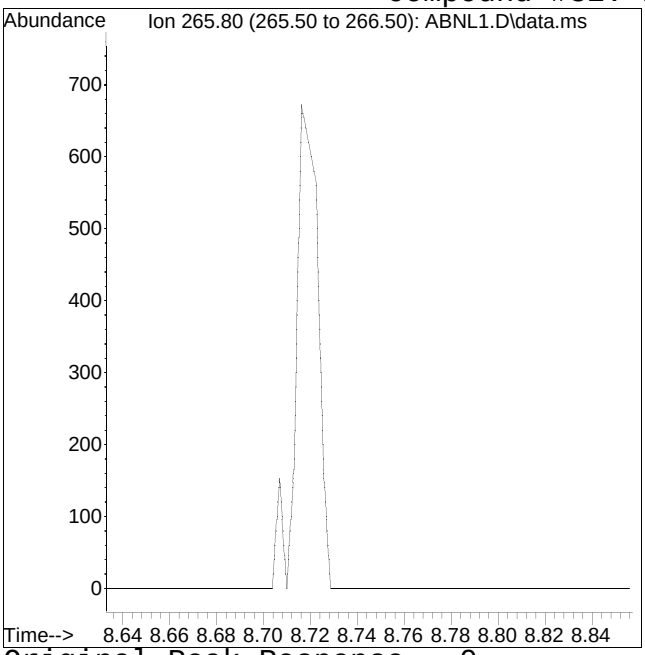


Original Peak Response = 0 Manual Peak Response = 306 M2
M2 = Peak not found by automatic integration algorithm.

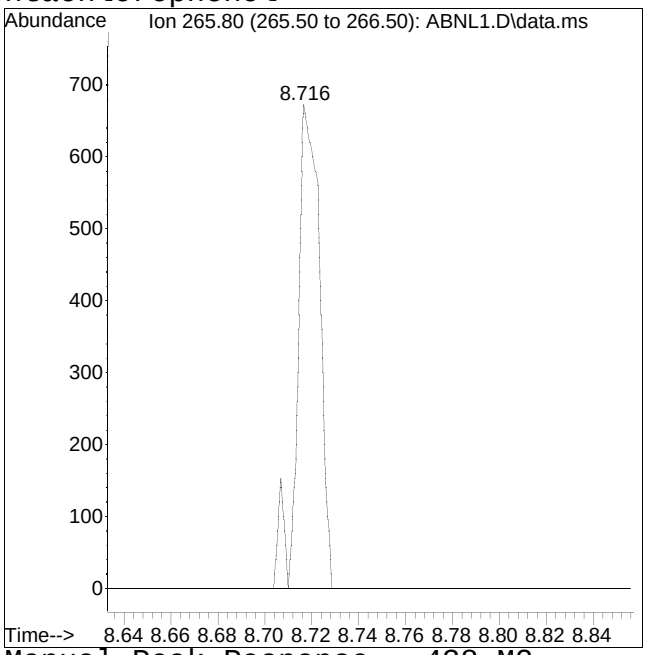
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #82: Pentachlorophenol



Original Peak Response = 0



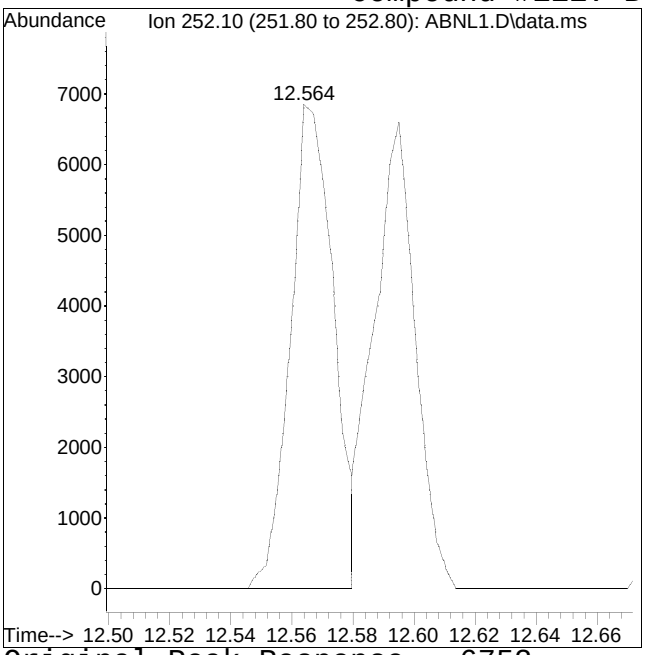
Manual Peak Response = 438 M2

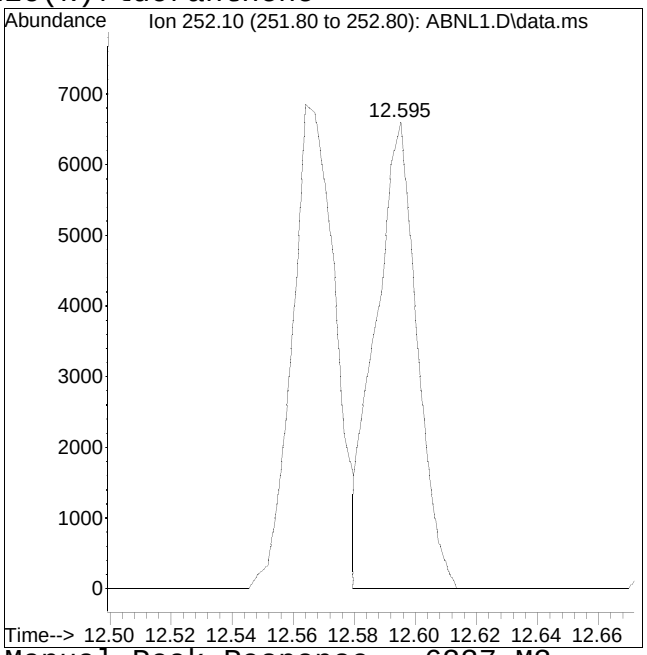
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #111: Benzo(k)fluoranthene



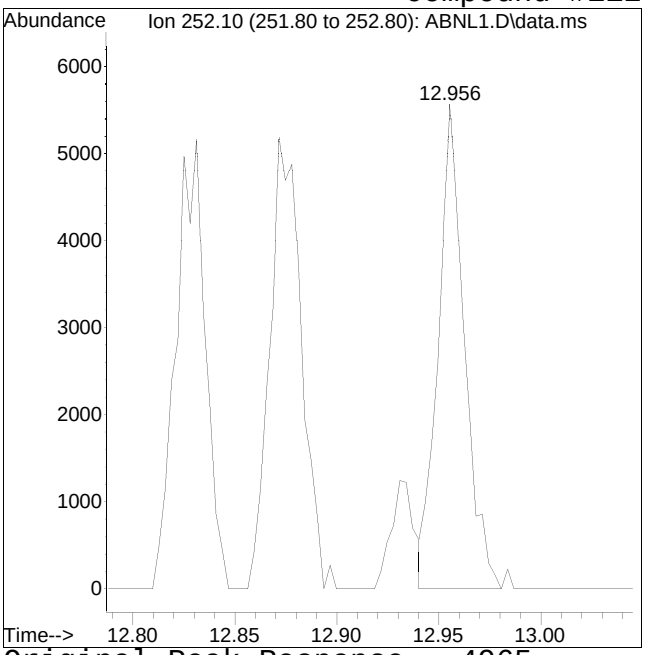


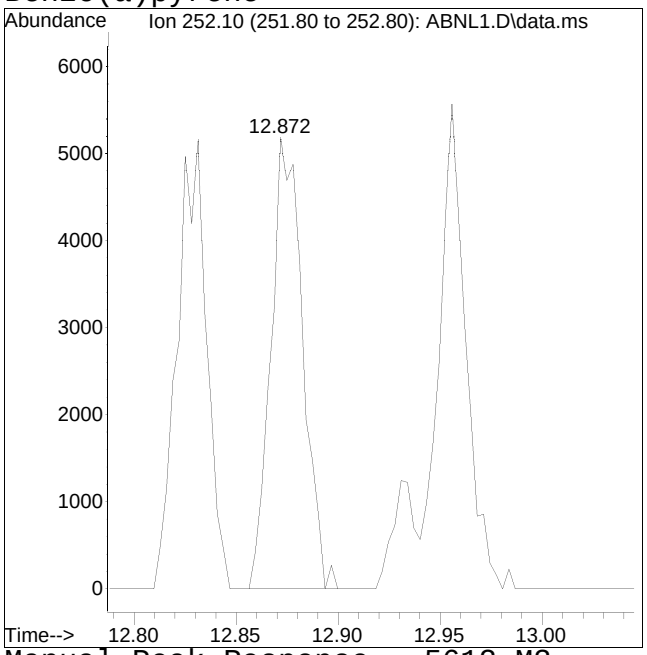
Original Peak Response = 6752 Manual Peak Response = 6237 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABNL1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 3:23 pm Instrument : Dakota
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/19/2024 4:29 pm

Compound #112: Benzo(a)pyrene





Original Peak Response = 4965 Manual Peak Response = 5612 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L9.D
Acq On : 18 Jun 2024 3:46 pm
Operator : Dakota:cmm
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1938219,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 22:03:50 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	30307	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery =	100.01%		
55) IS2_Naphthalene-d8	5.760	136	109401	4.000	ug/ml	# 0.00
Standard Area 1 = 110135			Recovery =	99.33%		
83) IS2_Acenaphthene-d10	7.457	164	71282	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery =	96.76%		
98) IS2_Phenanthrene-d10	8.881	188	163397	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery =	93.83%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.091	105	393413	51.605	ug/ml	98
29) Acetophenone	4.931	105	680116	52.042	ug/ml#	79
30) m-Toluidine	5.015	106	661483	50.892	ug/ml	95
31) 2-Chloroaniline	5.372	127	619663	51.265	ug/ml#	93
56) a-Terpineol	5.829	59	378479	53.039	ug/ml#	77
57) 3-Chloroaniline	5.838	65	205125	51.432	ug/ml	92
58) 2,6-Dichlorophenol	5.866	162	503483	49.441	ug/ml#	83
59) 1-chloro-2-nitrobenzene	6.118	111	203908	50.668	ug/ml#	1
60) Caprolactam	6.180	55	198518	53.871	ug/ml#	62
61) 1,2,4,5-Tetrachloroben...	6.631	216	615697	46.832	ug/ml	98
62) Biphenyl	6.923	154	1296874	45.619	ug/ml	96
84) Dichloran	8.592	206	241152	61.173	ug/ml#	56
85) Pentachloronitrobenzene	8.738	237	208287	51.457	ug/ml#	81
99) Diphenamid	9.795	167	1117906	51.572	ug/ml#	77

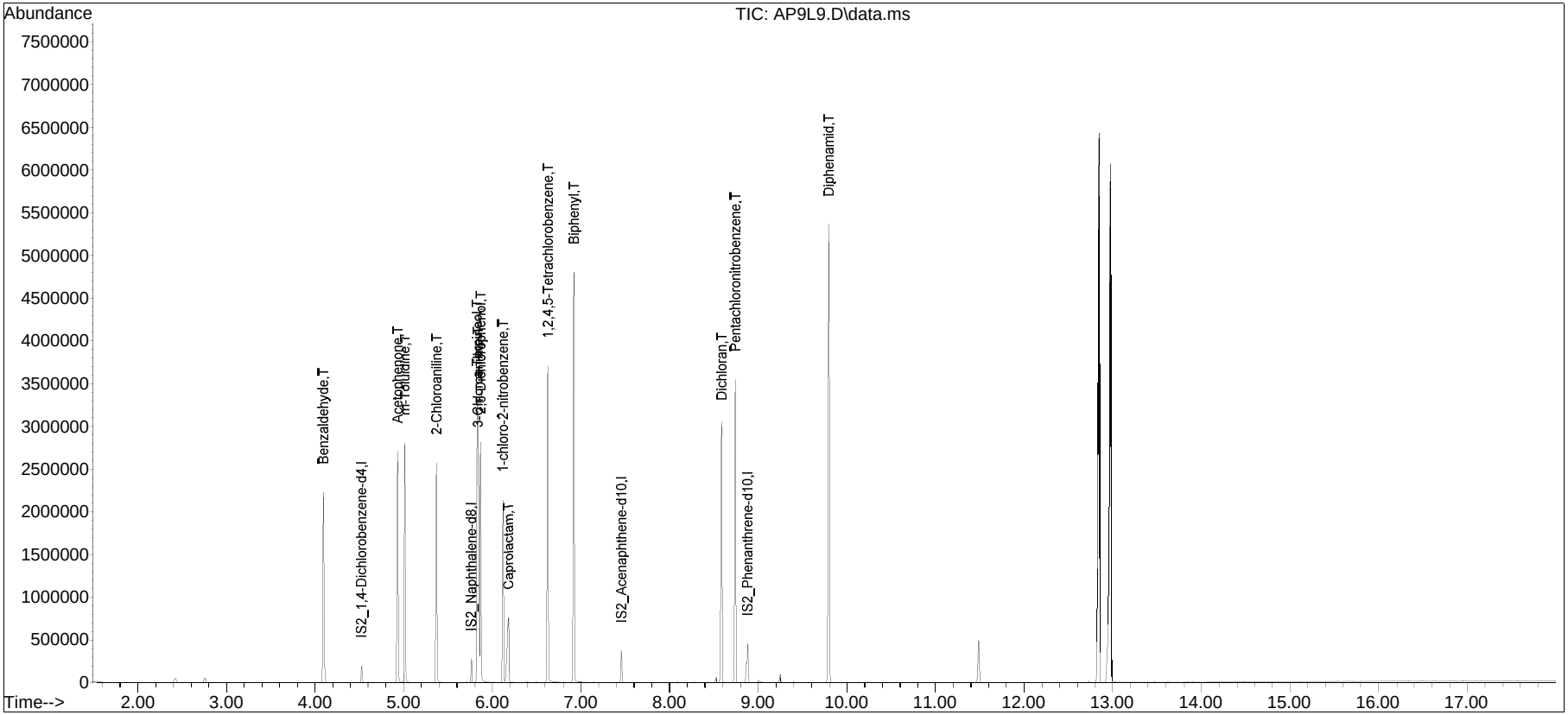
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L9.D
Acq On : 18 Jun 2024 3:46 pm
Operator : Dakota:cmm
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1938219,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 22:03:50 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L9.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 3:46 pm	Instrument	: Dakota
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 6/19/2024 4:33 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L8.D
Acq On : 18 Jun 2024 4:08 pm
Operator : Dakota:cmm
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1938219,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 22:03:24 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 22:03:25 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	30251	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery = 99.83%			
55) IS2_Naphthalene-d8	5.760	136	109951	4.000	ug/ml	# 0.00
Standard Area 1 = 110135			Recovery = 99.83%			
83) IS2_Acenaphthene-d10	7.458	164	72373	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery = 98.24%			
98) IS2_Phenanthrene-d10	8.881	188	165994	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery = 95.32%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.088	105	198785	25.433	ug/ml	99
29) Acetophenone	4.928	105	350493	26.386	ug/ml#	78
30) m-Toluidine	5.011	106	341582	26.836	ug/ml	95
31) 2-Chloroaniline	5.369	127	319145	25.677	ug/ml#	93
56) a-Terpineol	5.823	59	194231	26.542	ug/ml#	76
57) 3-Chloroaniline	5.835	65	105027	25.565	ug/ml	96
58) 2,6-Dichlorophenol	5.863	162	268563	26.117	ug/ml#	83
59) 1-chloro-2-nitrobenzene	6.115	111	106242	24.717	ug/ml#	1
60) Caprolactam	6.165	55	100694	28.237	ug/ml#	59
61) 1,2,4,5-Tetrachloroben...	6.628	216	332947	23.812	ug/ml	97
62) Biphenyl	6.920	154	697616	23.204	ug/ml	97
84) Dichloran	8.586	206	117294	29.331	ug/ml#	57
85) Pentachloronitrobenzene	8.735	237	107897	27.803	ug/ml#	79
99) Diphenamid	9.792	167	584710	27.595	ug/ml#	77

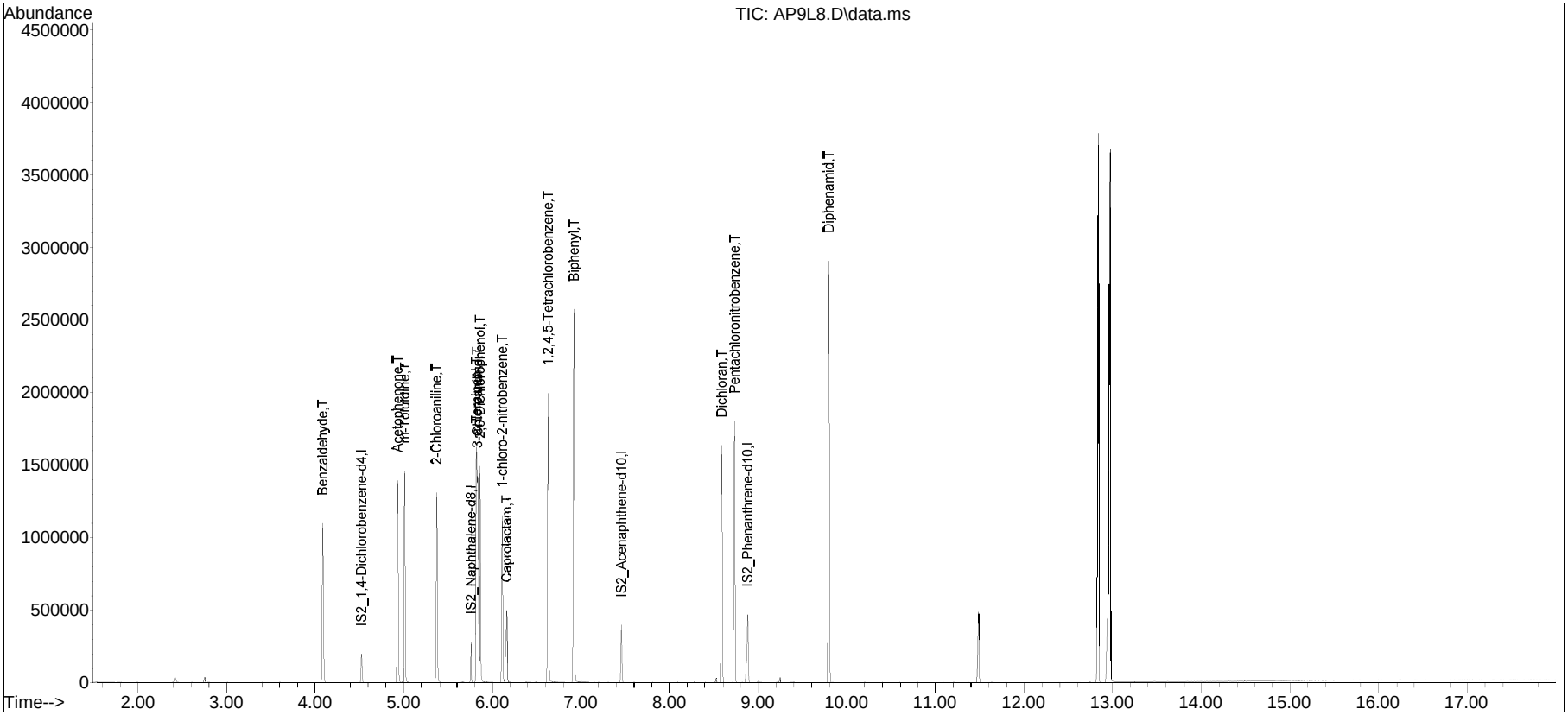
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L8.D
Acq On : 18 Jun 2024 4:08 pm
Operator : Dakota:cmm
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1938219,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 22:03:24 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 22:03:25 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L8.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 4:08 pm	Instrument	: Dakota
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 6/19/2024 10:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L7.D
Acq On : 18 Jun 2024 4:31 pm
Operator : Dakota:cmm
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1938219,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 19 22:02:31 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	30490	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery =	100.61%		
55) IS2_Naphthalene-d8	5.761	136	111776	4.000	ug/ml	0.00
Standard Area 1 = 110135			Recovery =	101.49%		
83) IS2_Acenaphthene-d10	7.458	164	74324	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery =	100.89%		
98) IS2_Phenanthrene-d10	8.881	188	173737	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery =	99.77%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.092	105	79159	10.321	ug/ml	95
29) Acetophenone	4.931	105	140959	10.721	ug/ml#	78
30) m-Toluidine	5.012	106	138228	10.571	ug/ml	96
31) 2-Chloroaniline	5.369	127	128694	10.583	ug/ml#	93
56) a-Terpineol	5.823	59	78144	10.718	ug/ml#	75
57) 3-Chloroaniline	5.835	65	41936	10.291	ug/ml	98
58) 2,6-Dichlorophenol	5.860	162	109676	10.541	ug/ml#	82
59) 1-chloro-2-nitrobenzene	6.115	111	42197	10.263	ug/ml#	1
60) Caprolactam	6.152	55	40585	10.779	ug/ml#	61
61) 1,2,4,5-Tetrachloroben...	6.628	216	136540	10.165	ug/ml#	97
62) Biphenyl	6.920	154	298421	10.274	ug/ml	98
84) Dichloran	8.586	206	46875	11.404	ug/ml#	55
85) Pentachloronitrobenzene	8.735	237	43956	10.415	ug/ml#	79
99) Diphenamid	9.792	167	241652	10.485	ug/ml#	77

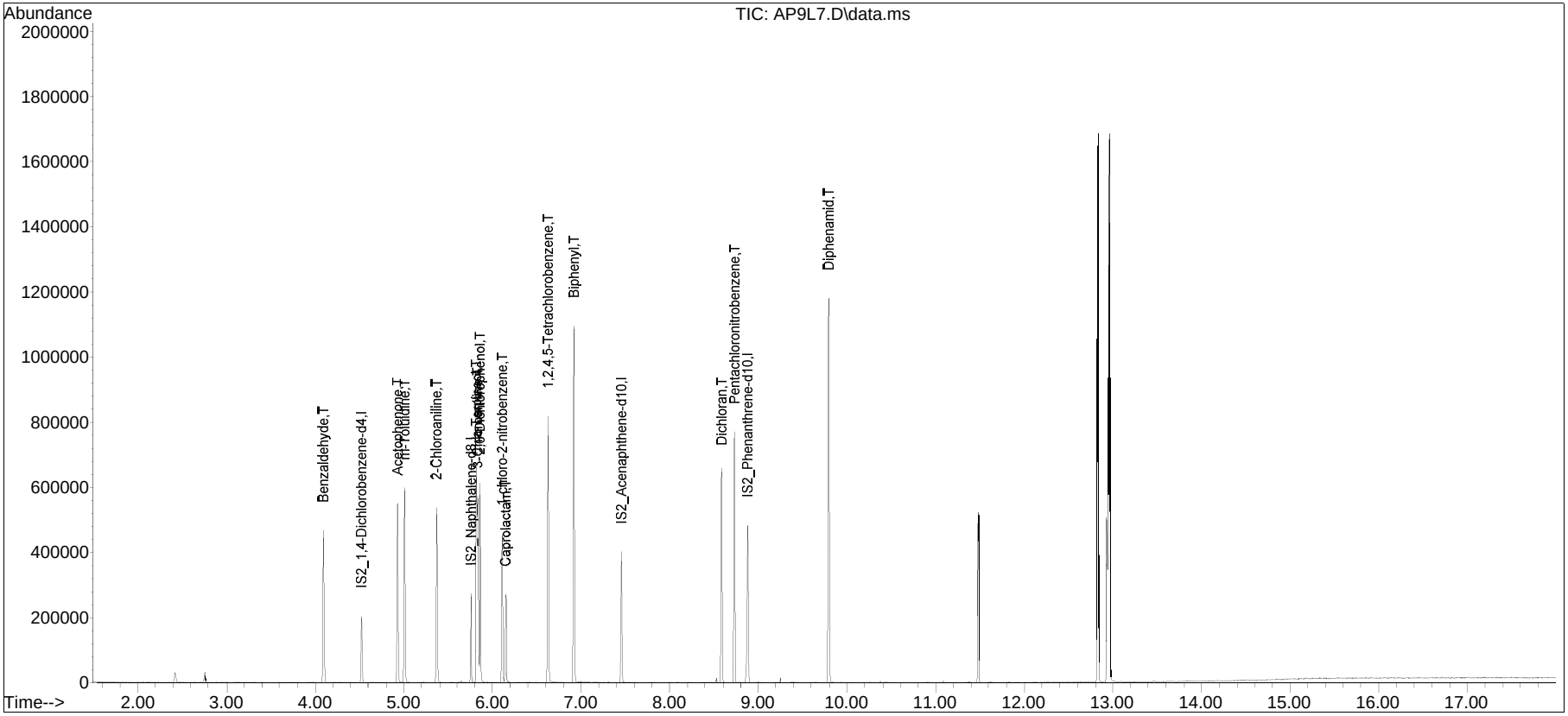
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L7.D
Acq On : 18 Jun 2024 4:31 pm
Operator : Dakota:cmm
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1938219,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 19 22:02:31 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L7.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 4:31 pm	Instrument	: Dakota
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L6.D
Acq On : 18 Jun 2024 4:54 pm
Operator : Dakota:cmm
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1938219,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 19 22:01:42 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	30304	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery =	100.00%		
55) IS2_Naphthalene-d8	5.760	136	110135	4.000	ug/ml	0.00
Standard Area 1 = 110135			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	7.457	164	73667	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	8.881	188	174138	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.091	105	38114	5.000	ug/ml	99
29) Acetophenone	4.931	105	65336	5.000	ug/ml#	76
30) m-Toluidine	5.011	106	64982	5.000	ug/ml	93
31) 2-Chloroaniline	5.372	127	60431	5.000	ug/ml#	92
56) a-Terpineol	5.819	59	35919	5.000	ug/ml#	74
57) 3-Chloroaniline	5.835	65	20075	5.000	ug/ml	96
58) 2,6-Dichlorophenol	5.860	162	51259	5.000	ug/ml#	83
59) 1-chloro-2-nitrobenzene	6.115	111	20257	5.000	ug/ml#	1
60) Caprolactam	6.149	55	18549	5.000	ug/ml#	57
61) 1,2,4,5-Tetrachloroben...	6.628	216	66176	5.000	ug/ml#	97
62) Biphenyl	6.920	154	143097	5.000	ug/ml	98
84) Dichloran	8.583	206	20370	5.000	ug/ml#	61
85) Pentachloronitrobenzene	8.732	237	20916	5.000	ug/ml#	79
99) Diphenamid	9.789	167	115507	5.000	ug/ml#	77

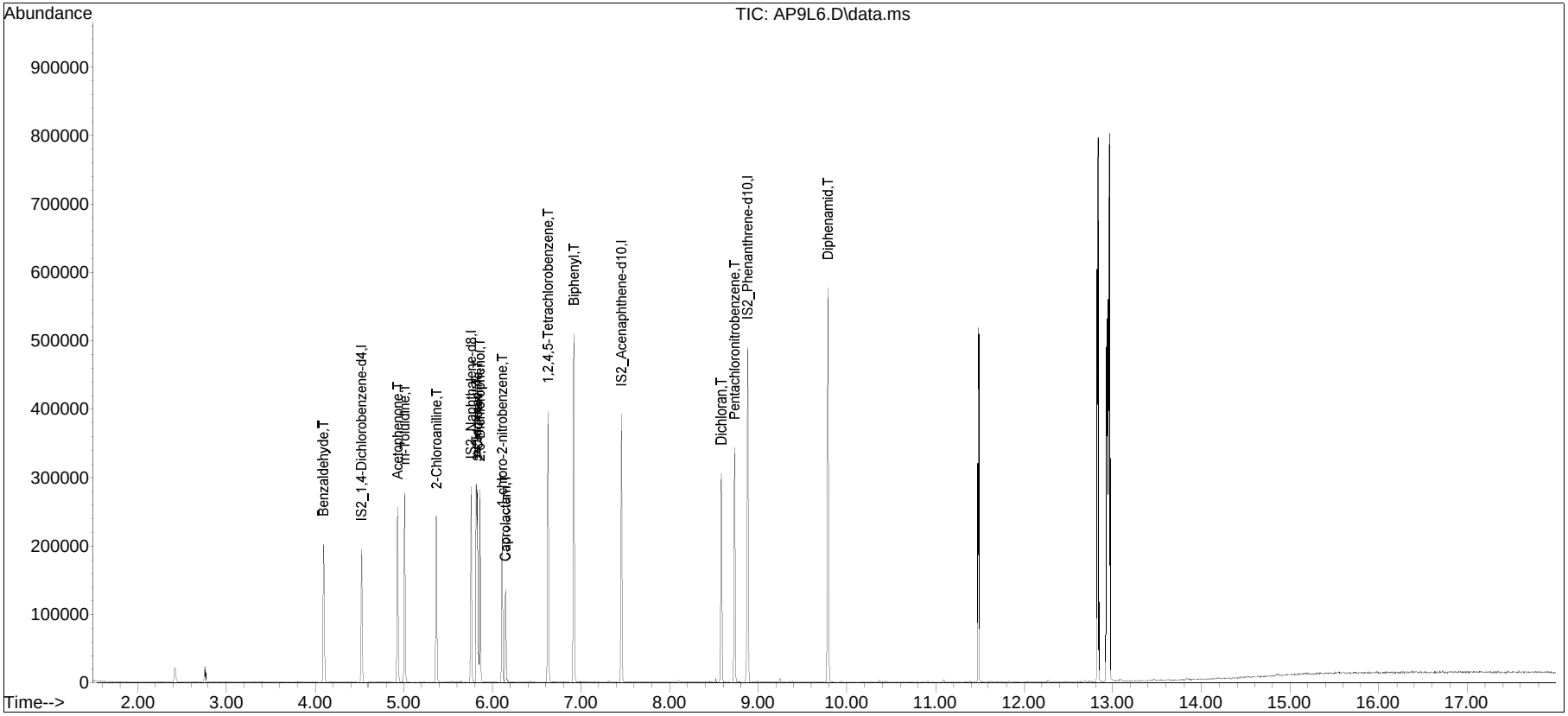
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L6.D
Acq On : 18 Jun 2024 4:54 pm
Operator : Dakota:cmm
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1938219,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 19 22:01:42 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L6.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 4:54 pm	Instrument	: Dakota
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L5.D
Acq On : 18 Jun 2024 5:16 pm
Operator : Dakota:cmm
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1938219,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 22:01:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	30125	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery = 99.41%			
55) IS2_Naphthalene-d8	5.760	136	106078	4.000	ug/ml	0.00
Standard Area 1 = 110135			Recovery = 96.32%			
83) IS2_Acenaphthene-d10	7.457	164	70993	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery = 96.37%			
98) IS2_Phenanthrene-d10	8.881	188	172001	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery = 98.77%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.095	105	18715	2.470	ug/ml	98
29) Acetophenone	4.931	105	31998	2.463	ug/ml#	79
30) m-Toluidine	5.015	106	31612	2.447	ug/ml	94
31) 2-Chloroaniline	5.372	127	29492	2.455	ug/ml#	93
56) a-Terpineol	5.820	59	17559	2.538	ug/ml#	77
57) 3-Chloroaniline	5.835	65	9733	2.517	ug/ml	98
58) 2,6-Dichlorophenol	5.860	162	24238	2.455	ug/ml#	81
59) 1-chloro-2-nitrobenzene	6.112	111	9932	2.545	ug/ml#	1
60) Caprolactam	6.146	55	9102	2.547	ug/ml#	60
61) 1,2,4,5-Tetrachloroben...	6.628	216	32815	2.574	ug/ml#	93
62) Biphenyl	6.920	154	72386	2.626	ug/ml	99
84) Dichloran	8.583	206	9157	2.332	ug/ml#	60
85) Pentachloronitrobenzene	8.732	237	9421	2.337	ug/ml#	85
99) Diphenamid	9.789	167	54534	2.390	ug/ml#	76

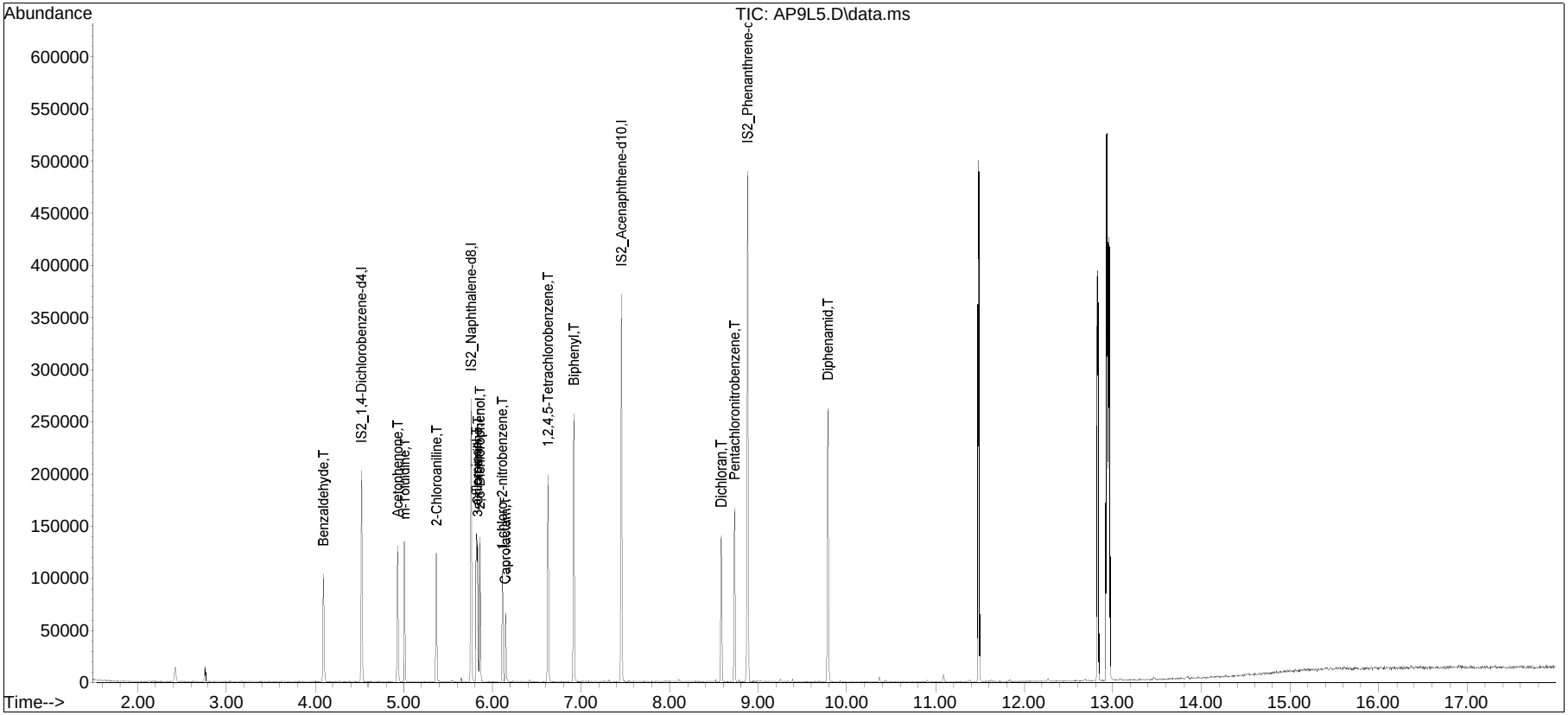
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L5.D
Acq On : 18 Jun 2024 5:16 pm
Operator : Dakota:cmm
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1938219,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 19 22:01:00 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L5.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 5:16 pm	Instrument	: Dakota
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L4.D
Acq On : 18 Jun 2024 5:39 pm
Operator : Dakota:cmm
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1938219,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 22:00:27 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.527	152	27819	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery = 91.80%			
55) IS2_Naphthalene-d8	5.761	136	101756	4.000	ug/ml	0.00
Standard Area 1 = 110135			Recovery = 92.39%			
83) IS2_Acenaphthene-d10	7.458	164	67416	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery = 91.51%			
98) IS2_Phenanthrene-d10	8.881	188	161837	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery = 92.94%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.095	105	7476	1.068	ug/ml	98
29) Acetophenone	4.934	105	11981	0.999	ug/ml#	79
30) m-Toluidine	5.012	106	12277	1.029	ug/ml	89
31) 2-Chloroaniline	5.372	127	11714	1.056	ug/ml#	90
56) a-Terpineol	5.823	59	6585	0.992	ug/ml#	62
57) 3-Chloroaniline	5.832	65	3772	1.017	ug/ml	97
58) 2,6-Dichlorophenol	5.860	162	9615	1.015	ug/ml#	83
59) 1-chloro-2-nitrobenzene	6.112	111	3885	1.038	ug/ml#	1
60) Caprolactam	6.146	55	3283	0.958	ug/ml#	72
61) 1,2,4,5-Tetrachloroben...	6.628	216	12723	1.040	ug/ml	97
62) Biphenyl	6.920	154	28054	1.061	ug/ml	99
84) Dichloran	8.583	206	3442	0.923	ug/ml#	57
85) Pentachloronitrobenzene	8.735	237	3439	0.898	ug/ml#	80
99) Diphenamid	9.789	167	19381	0.903	ug/ml#	76

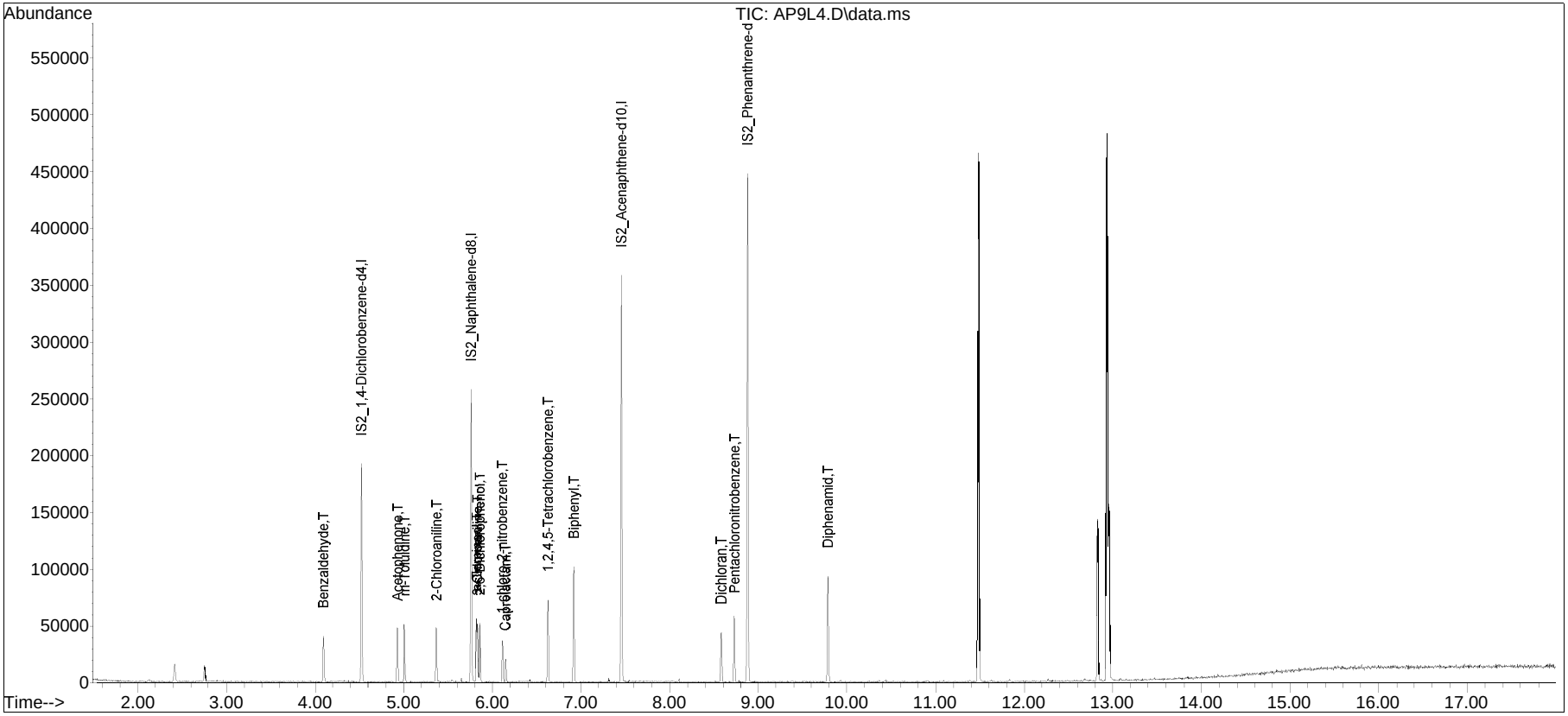
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L4.D
Acq On : 18 Jun 2024 5:39 pm
Operator : Dakota:cmm
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1938219,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 19 22:00:27 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L4.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 5:39 pm	Instrument	: Dakota
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L3.D
Acq On : 18 Jun 2024 6:02 pm
Operator : Dakota:cmm
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1938219,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 19 21:59:57 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.526	152	29400	4.000	ug/ml		0.00
Standard Area 1 = 30304			Recovery = 97.02%				
55) IS2_Naphthalene-d8	5.760	136	104451	4.000	ug/ml	#	0.00
Standard Area 1 = 110135			Recovery = 94.84%				
83) IS2_Acenaphthene-d10	7.457	164	68666	4.000	ug/ml		0.00
Standard Area 1 = 73667			Recovery = 93.21%				
98) IS2_Phenanthrene-d10	8.881	188	170936	4.000	ug/ml		0.00
Standard Area 1 = 174138			Recovery = 98.16%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.094	105	3698	0.500	ug/ml		92
29) Acetophenone	4.934	105	6576	0.519	ug/ml	#	77
30) m-Toluidine	5.014	106	6234	0.494	ug/ml		94
31) 2-Chloroaniline	5.369	127	6184	0.527	ug/ml	#	93
56) a-Terpineol	5.819	59	3630	0.533	ug/ml	#	71
57) 3-Chloroaniline	5.835	65	2240	0.588	ug/ml		79
58) 2,6-Dichlorophenol	5.860	162	5098	0.524	ug/ml	#	79
59) 1-chloro-2-nitrobenzene	6.115	111	2175	0.566	ug/ml	#	1
60) Caprolactam	6.149	55	1512	0.430	ug/ml	#	59
61) 1,2,4,5-Tetrachloroben...	6.628	216	6716	0.535	ug/ml		97
62) Biphenyl	6.920	154	14068	0.518	ug/ml		96
84) Dichloran	8.579	206	1860	0.490	ug/ml	#	55
85) Pentachloronitrobenzene	8.732	237	1683	0.432	ug/ml	#	80
99) Diphenamid	9.789	167	10978	0.484	ug/ml	#	73

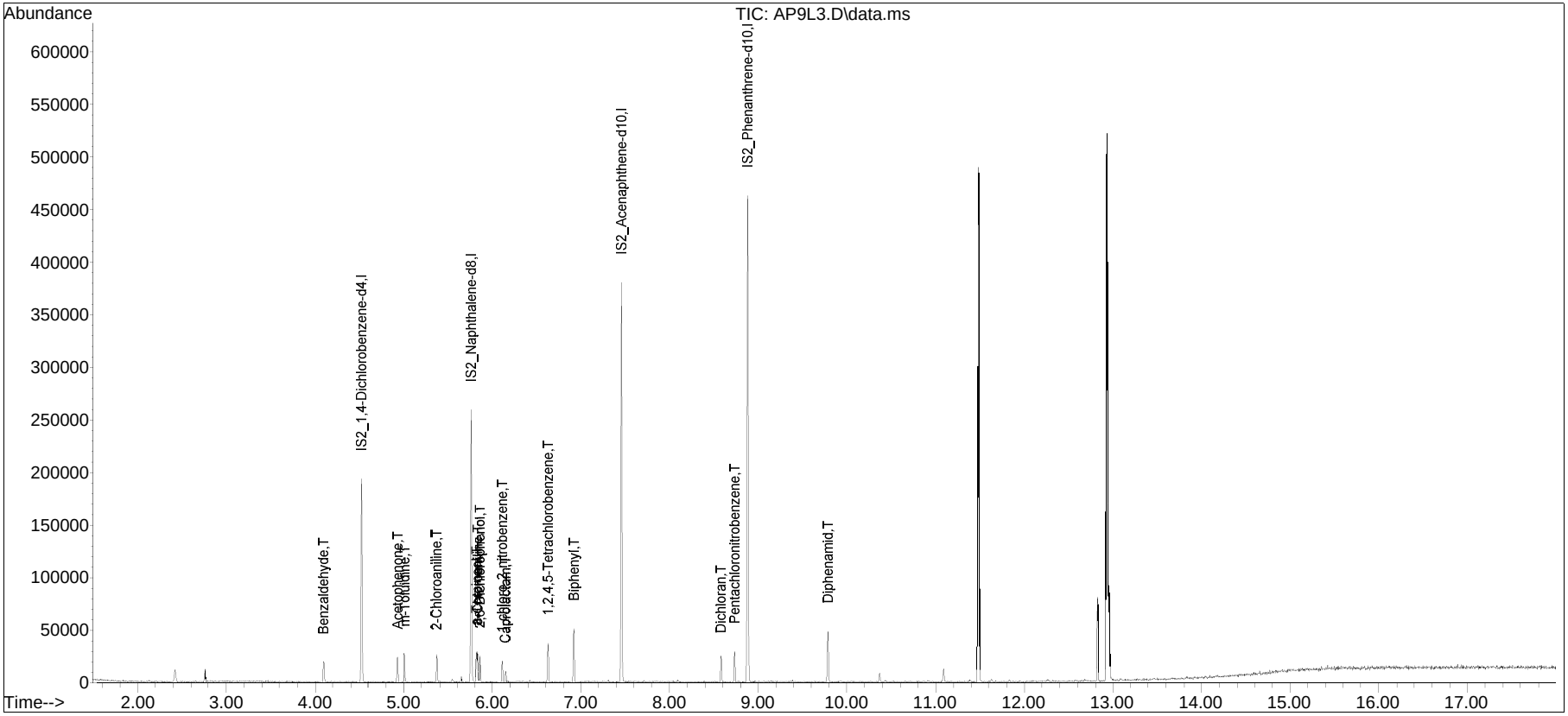
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L3.D
Acq On : 18 Jun 2024 6:02 pm
Operator : Dakota:cmm
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1938219,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 19 21:59:57 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L3.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 6:02 pm	Instrument	: Dakota
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L2.D
Acq On : 18 Jun 2024 6:24 pm
Operator : Dakota:cmm
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1938219,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 21:59:18 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.527	152	29817	4.000	ug/ml		0.00
Standard Area 1 = 30304			Recovery = 98.39%				
55) IS2_Naphthalene-d8	5.760	136	104745	4.000	ug/ml	#	0.00
Standard Area 1 = 110135			Recovery = 95.11%				
83) IS2_Acenaphthene-d10	7.458	164	69366	4.000	ug/ml		0.00
Standard Area 1 = 73667			Recovery = 94.16%				
98) IS2_Phenanthrene-d10	8.881	188	168769	4.000	ug/ml		0.00
Standard Area 1 = 174138			Recovery = 96.92%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.101	105	1460	0.195	ug/ml	#	75
29) Acetophenone	4.937	105	2749	0.214	ug/ml	#	65
30) m-Toluidine	5.015	106	2558	0.200	ug/ml	#	85
31) 2-Chloroaniline	5.372	127	2568	0.216	ug/ml	#	92
56) a-Terpineol	5.820	59	1448	0.212	ug/ml	#	73
57) 3-Chloroaniline	5.832	65	783	0.205	ug/ml		92
58) 2,6-Dichlorophenol	5.860	162	1775	0.182	ug/ml	#	76
59) 1-chloro-2-nitrobenzene	6.115	111	855	0.222	ug/ml	#	1
60) Caprolactam	6.158	55	609	0.173	ug/ml	#	43
61) 1,2,4,5-Tetrachloroben...	6.628	216	2850	0.226	ug/ml		97
62) Biphenyl	6.917	154	6156	0.226	ug/ml		98
84) Dichloran	8.576	206	630	0.164	ug/ml	#	60
85) Pentachloronitrobenzene	8.735	237	731	0.186	ug/ml	#	7
99) Diphenamid	9.789	167	4054	0.181	ug/ml	#	75

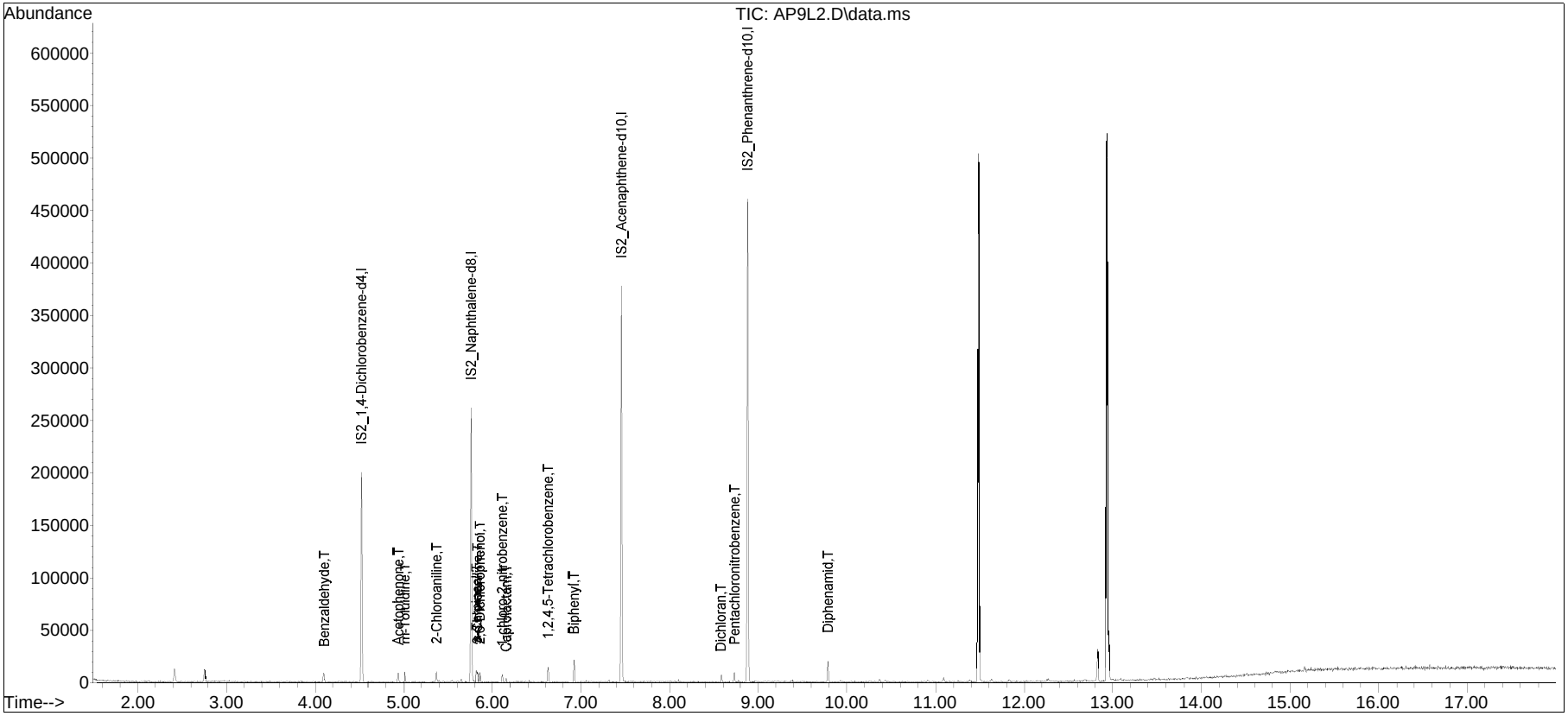
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L2.D
Acq On : 18 Jun 2024 6:24 pm
Operator : Dakota:cmm
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1938219,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 19 21:59:18 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9L2.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 6:24 pm	Instrument	: Dakota
Sample	: IL9,32,,AP9L0.2 Lot# 10794	Quant Date	: 6/19/2024 4:32 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L1.D
Acq On : 18 Jun 2024 6:47 pm
Operator : Dakota:cmm
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1938219,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 19 21:58:11 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	4.526	152	28965	4.000 ug/ml	0.00
Standard Area 1 = 30304			Recovery = 95.58%		
55) IS2_Naphthalene-d8	5.760	136	105546	4.000 ug/ml	0.00
Standard Area 1 = 110135			Recovery = 95.83%		
83) IS2_Acenaphthene-d10	7.457	164	70572	4.000 ug/ml	0.00
Standard Area 1 = 73667			Recovery = 95.80%		
98) IS2_Phenanthrene-d10	8.881	188	170228	4.000 ug/ml	0.00
Standard Area 1 = 174138			Recovery = 97.75%		
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	4.097	105	822	0.113 ug/ml	93
29) Acetophenone	4.930	105	1206	0.097 ug/ml#	39
30) m-Toluidine	5.011	106	1011	0.081 ug/ml#	87
31) 2-Chloroaniline	5.372	127	1133	0.098 ug/ml#	42
56) a-Terpineol	5.819	59	646	0.094 ug/ml#	32
57) 3-Chloroaniline	5.838	65	354M2	0.092 ug/ml	
58) 2,6-Dichlorophenol	5.860	162	1005	0.102 ug/ml#	51
59) 1-chloro-2-nitrobenzene	6.115	111	433M2	0.112 ug/ml	
60) Caprolactam	0.000		0	N.D.	
61) 1,2,4,5-Tetrachloroben...	6.624	216	1419	0.112 ug/ml#	84
62) Biphenyl	6.920	154	2906	0.106 ug/ml#	95
84) Dichloran	8.582	206	284M2	0.073 ug/ml	
85) Pentachloronitrobenzene	0.000		0	N.D.	
99) Diphenamid	9.788	167	2156	0.095 ug/ml#	70

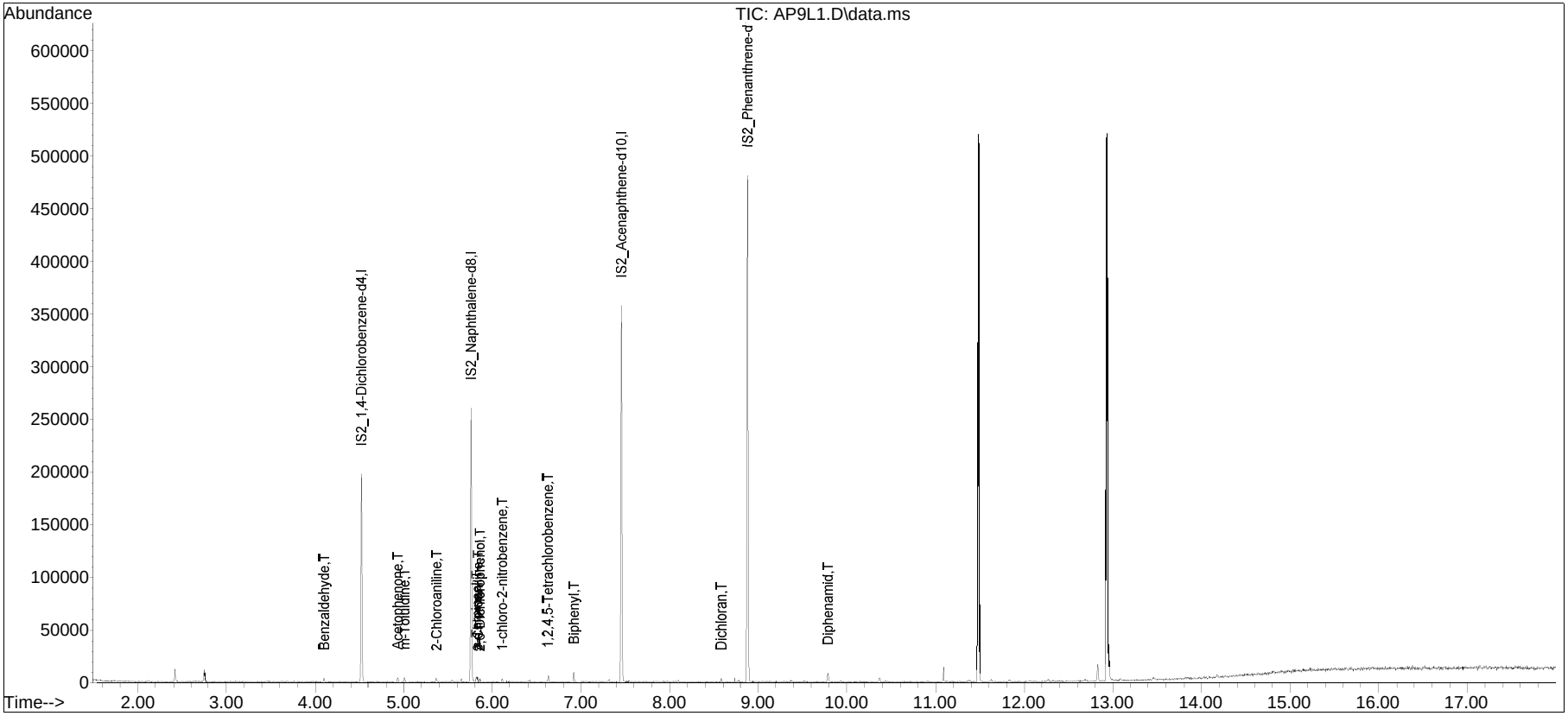
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9L1.D
Acq On : 18 Jun 2024 6:47 pm
Operator : Dakota:cmm
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1938219,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 19 21:58:11 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 16:29:12 2024
Response via : Initial Calibration

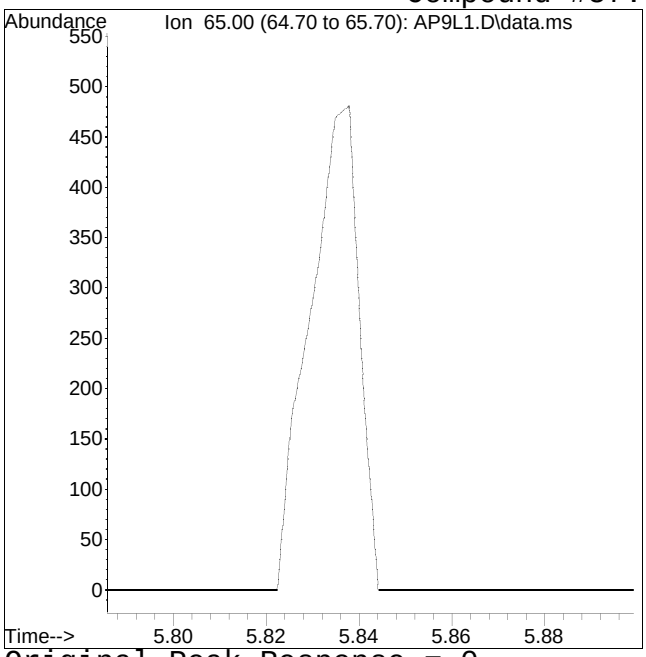
Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•



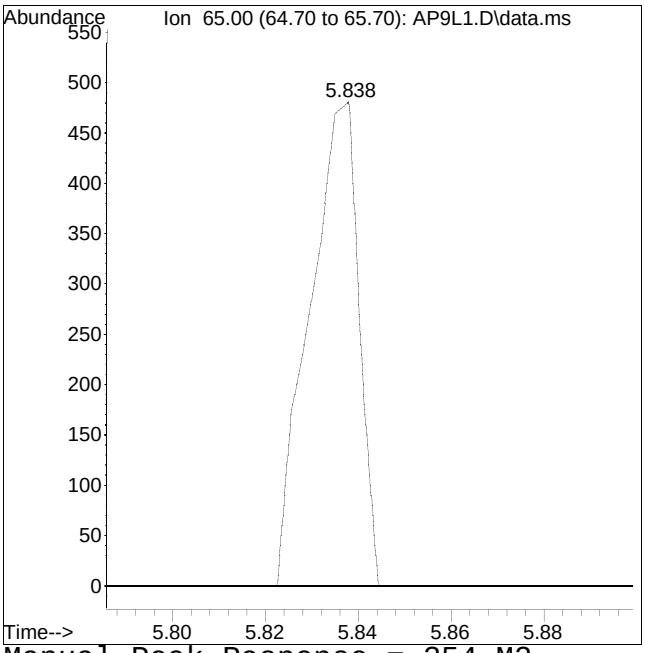
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : AP9L1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 6:47 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/19/2024 4:32 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



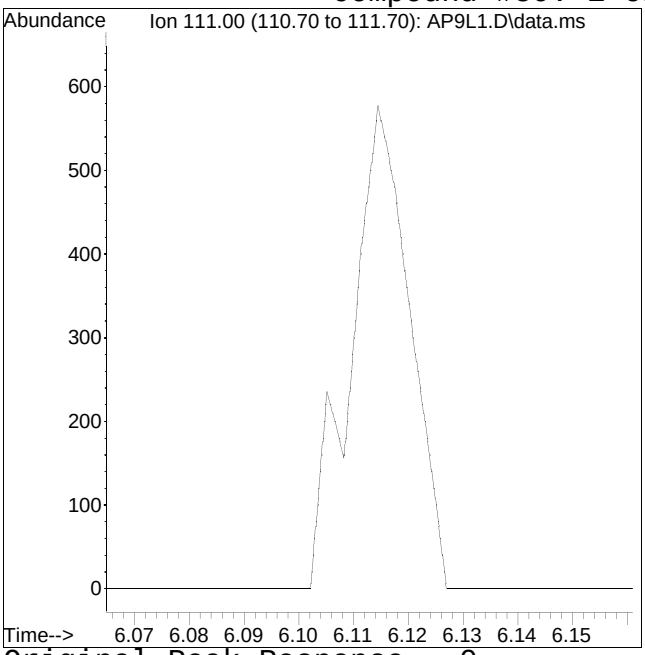
Manual Peak Response = 354 M2

M2 = Peak not found by automatic integration algorithm.

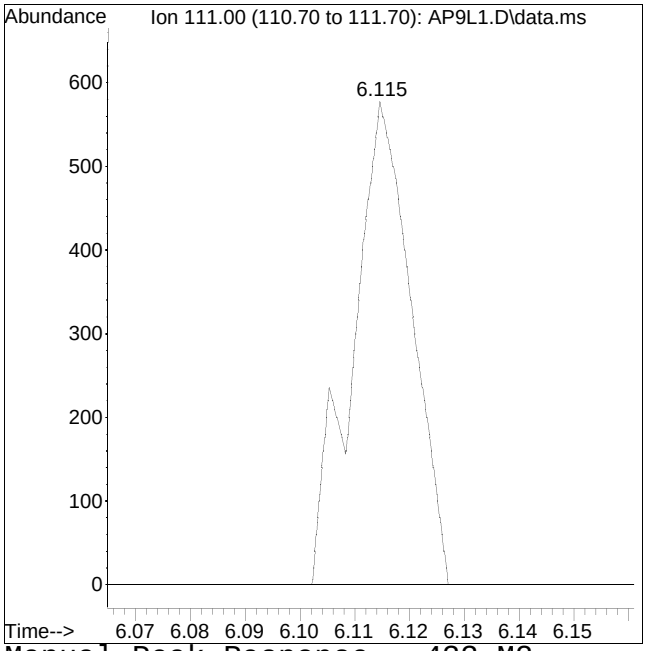
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : AP9L1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 6:47 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/19/2024 4:32 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



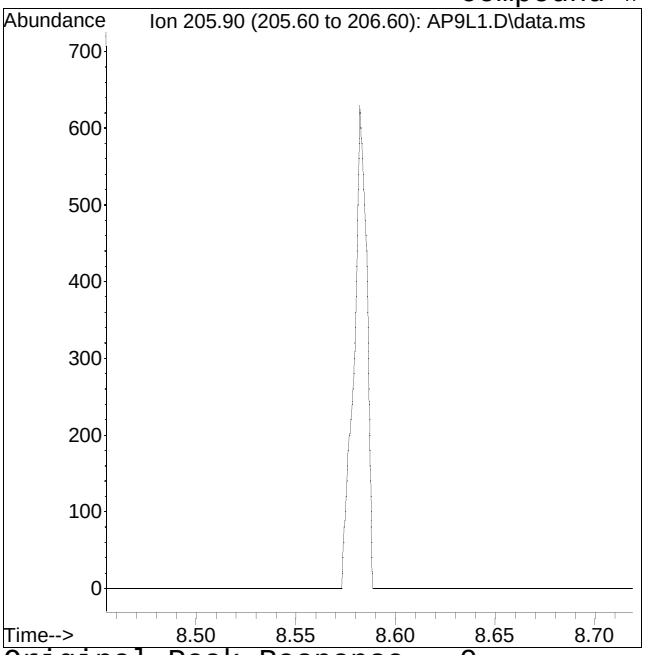
Manual Peak Response = 433 M2

M2 = Peak not found by automatic integration algorithm.

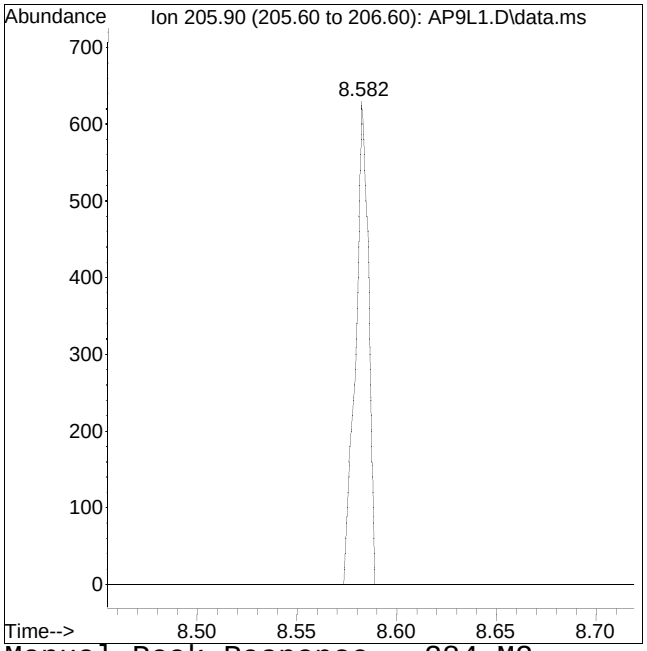
Manual Integration Report

Data Path : I:\8270\Dakota\240618ical\QMethod : FS240618RVT_14D_Dakota.m
Data File : AP9L1.D Operator : Dakota:cmm
Date Inj'd : 6/18/2024 6:47 pm Instrument : Dakota
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/19/2024 4:32 pm

Compound #84: Dichloran



Original Peak Response = 0



Manual Peak Response = 284 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	106	0.00
2	t	n-Nitrosodimethylamine		0.695	0.667	4.0	108	0.00
3	t	Pyridine		1.127	1.040	7.7	106	0.00
4	S	2-Fluorophenol		1.028	0.957	6.9	101	0.00
5	T	Aniline		1.706	1.553	9.0	103	0.00
6	t	2-Chlorophenol		1.150	1.093	5.0	102	0.00
7	S	Phenol-d6		1.297	1.207	6.9	106	0.00
8	T	Phenol		1.512	1.436	5.0	105	0.00
9	T	Bis(2-chloroethyl)ether		0.991	0.960	3.1	108	0.00
10	T	1,3-Dichlorobenzene		1.480	1.402	5.3	103	0.00
11	T	1,4-Dichlorobenzene		1.533	1.424	7.1	104	0.00
12	T	1,2-Dichlorobenzene		1.454	1.348	7.3	104	0.00
13	t	Benzyl alcohol		0.973	0.929	4.5	101	0.00
14	T	Bis(2-chloroisopropyl)ether		1.478	1.339	9.4	103	0.00
15	T	2-Methylphenol		1.039	0.939	9.6	98	0.00
16	T	Hexachloroethane		0.544	0.500	8.1	103	0.00
17	T	n-Nitrosodi-n-propylamine		0.912	0.823	9.8	102	0.00
18	T	3-Methylphenol/4-Methylphen		1.095	1.030	5.9	105	0.00
19	S	Nitrobenzene-d5		1.354	1.219	10.0	102	0.00
20	T	Nitrobenzene		1.298	1.243	4.2	107	0.00
21	T	Isophorone		2.275	2.187	3.9	103	0.00
22	T	2-Nitrophenol		0.644	0.585	9.2	102	0.00
23	T	2,4-Dimethylphenol		1.097	0.903	17.7	91	0.00
24	T	Bis(2-chloroethoxy)methane		1.398	1.277	8.7	101	0.00
25	T	2,4-Dichlorophenol		1.237	1.157	6.5	100	0.00
26	T	1,2,4-Trichlorobenzene		1.544	1.391	9.9	101	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	101	0.00
36	T	Naphthalene		1.042	0.953	8.5	103	0.00
37	T	Benzoic Acid	*	5.000	4.145	17.1	95	0.00
38	T	4-Chloroaniline		0.127	0.111	12.6	93	0.00
39	T	Hexachlorobutadiene		0.250	0.228	8.8	101	0.00
40	T	p-Chloro-m-cresol		0.291	0.279	4.1	102	0.00
41	T	2-Methylnaphthalene		0.749	0.696	7.1	102	0.00
42	T	1-Methylnaphthalene		0.245	0.231	5.7	106	0.00
43	T	Hexachlorocyclopentadiene		0.290	0.272	6.2	103	0.00
44	T	2,4,6-Trichlorophenol		0.296	0.281	5.1	105	0.00
45	T	2,4,5-Trichlorophenol		0.316	0.306	3.2	102	0.00
46	S	2-Fluorobiphenyl		1.003	0.946	5.7	103	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.830	0.769	7.3	101	0.00
48	T	2-Nitroaniline		0.221	0.208	5.9	102	0.00
49	T	1,4-Dinitrobenzene		0.117	0.112	4.3	104	0.00
50	T	1,3-Dinitrobenzene		0.127	0.120	5.5	95	0.00
51	T	Dimethyl phthalate		1.032	0.952	7.8	102	0.00
52	T	Acenaphthylene		1.240	1.192	3.9	102	0.00
53	T	2,6-Dinitrotoluene		0.204	0.194	4.9	102	0.00
54	T	1,2-Dinitrobenzene		0.074	0.071	4.1	92	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	104	0.00
64	T	3-Nitroaniline		0.297	0.281	5.4	104	0.00
65	T	Acenaphthene		1.081	1.018	5.8	105	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.397	12.1	101	0.00
67	T	Dibenzofuran		1.903	1.722	9.5	102	0.00
68	T	2,4-Dinitrotoluene		0.404	0.391	3.2	101	0.00
69	T	4-Nitrophenol		0.249	0.233	6.4	102	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.428	0.393	8.2	103	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.401	0.381	5.0	100	0.00
72	T	Diethyl phthalate		1.543	1.360	11.9	99	0.00
73	T	Fluorene		1.448	1.323	8.6	102	0.00
74	T	4-Chlorophenyl phenyl ether		0.738	0.670	9.2	101	0.00
75	T	4-Nitroaniline		0.292	0.274	6.2	100	0.00
76	T	4,6-Dinitro-o-cresol		0.255	0.243	4.7	97	0.00
77	T	NDPA/DPA		1.243	1.138	8.4	103	0.00
78	T	Azobenzene		1.252	1.186	5.3	106	0.00
79	S	2,4,6-Tribromophenol		0.261	0.250	4.2	101	0.00
80	T	4-Bromophenyl phenyl ether		0.491	0.429	12.6	102	0.00
81	T	Hexachlorobenzene		0.609	0.537	11.8	102	0.00
82	T	Pentachlorophenol		0.369	0.343	7.0	102	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	103	0.00
89	T	Phenanthrene		1.081	0.982	9.2	102	0.00
90	T	Anthracene		1.043	0.983	5.8	104	0.00
91	T	Carbazole		0.988	0.914	7.5	101	0.00
92	T	Di-n-butylphthalate		1.134	1.086	4.2	102	0.00
93	T	Fluoranthene		1.317	1.228	6.8	104	0.00
94	T	Benzidine		0.734	0.715	2.6	101	0.00
95	T	Pyrene		1.356	1.290	4.9	104	0.00
96	S	4-Terphenyl-d14		1.040	0.955	8.2	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.510	0.496	2.7	101	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	102	0.00
105	T	Benzo(a)anthracene	1.334	1.231	7.7	103	0.00
106	T	3,3'-Dichlorobenzidine	0.495	0.482	2.6	102	0.00
107	T	Chrysene	1.266	1.191	5.9	104	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.750	0.743	0.9	101	0.00
109	T	Di-n-octylphthalate	1.251	1.289	-3.0	105	0.00
110	T	Benzo(b)fluoranthene	1.424	1.348	5.3	103	0.00
111	T	Benzo(k)fluoranthene	1.355	1.266	6.6	104	0.00
112	T	Benzo(a)pyrene	1.262	1.262	0.0	107	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	100	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.235	1.157	6.3	102	0.00
115	T	Dibenzo(a,h)anthracene	1.149	1.137	1.0	105	0.00
116	T	Benzo(ghi)perylene	1.129	1.071	5.1	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.527	152	30237	4.000 ug/ml	0.00
Standard Area 1 = 28474			Recovery = 106.19%		
35) IS1_Naphthalene-d8	5.761	136	107423	4.000 ug/ml	# 0.00
Standard Area 1 = 106396			Recovery = 100.97%		
63) IS1_Acenaphthene-d10	7.458	164	74420	4.000 ug/ml	0.00
Standard Area 1 = 71692			Recovery = 103.81%		
88) IS1_Phenanthrene-d10	8.881	188	169300	4.000 ug/ml	0.00
Standard Area 1 = 164397			Recovery = 102.98%		
104) IS1_Chrysene-d12	11.486	240	175963	4.000 ug/ml	0.00
Standard Area 1 = 172424			Recovery = 102.05%		
113) IS1_Perylene-d12	12.934	264	205983	4.000 ug/ml	0.00
Standard Area 1 = 205352			Recovery = 100.31%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.252	112	36174	4.656 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 232.80%#		
7) Phenol-d6	4.213	99	45634	4.654 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 232.70%#		
19) Nitrobenzene-d5	5.067	82	46088	4.502 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 450.20%#		
46) 2-Fluorobiphenyl	6.830	172	127078	4.720 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 472.00%#		
79) 2,4,6-Tribromophenol	8.219	330	23240	4.778 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 238.90%#		
96) 4-Terphenyl-d14	10.454	244	202168	4.592 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 459.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	1.844	74	25197	4.797 ug/ml#	73
3) Pyridine	1.875	79	39303	4.615 ug/ml#	45
5) Aniline	4.210	93	58691	4.551 ug/ml	99
6) 2-Chlorophenol	4.322	128	41303	4.750 ug/ml#	90
8) Phenol	4.225	94	54279	4.750 ug/ml	93
9) Bis(2-chloroethyl)ether	4.294	93	36278	4.842 ug/ml	92
10) 1,3-Dichlorobenzene	4.468	146	52997	4.737 ug/ml	94
11) 1,4-Dichlorobenzene	4.542	146	53826	4.646 ug/ml	94
12) 1,2-Dichlorobenzene	4.688	146	50947	4.635 ug/ml	92
13) Benzyl alcohol	4.682	79	35123	4.776 ug/ml	98
14) Bis(2-chloroisopropyl)...	4.825	45	50620	4.531 ug/ml#	43

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	4.816	108	35480	4.519	ug/ml	97
16) Hexachloroethane	5.015	117	18884	4.590	ug/ml#	44
17) n-Nitrosodi-n-propylamine	4.952	70	31100	4.511	ug/ml#	85
18) 3-Methylphenol/4-Methy...	4.971	108	38945	4.703	ug/ml	99
20) Nitrobenzene	5.086	77	46988	4.789	ug/ml	91
21) Isophorone	5.329	82	82665	4.807	ug/ml#	93
22) 2-Nitrophenol	5.400	139	22094	4.539	ug/ml	89
23) 2,4-Dimethylphenol	5.481	107	34144	4.119	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.568	93	48273	4.566	ug/ml#	95
25) 2,4-Dichlorophenol	5.639	162	43736	4.676	ug/ml#	91
26) 1,2,4-Trichlorobenzene	5.717	180	52566	4.504	ug/ml#	95
36) Naphthalene	5.779	128	128000	4.575	ug/ml	98
37) Benzoic Acid	5.559	105	25027	4.145	ug/ml	88
38) 4-Chloroaniline	5.854	65	14911	4.374	ug/ml	74
39) Hexachlorobutadiene	5.932	225	30667	4.562	ug/ml	97
40) p-Chloro-m-cresol	6.351	107	37491	4.799	ug/ml	94
41) 2-Methylnaphthalene	6.457	142	93522	4.649	ug/ml	95
42) 1-Methylnaphthalene	6.550	115	31058	4.711	ug/ml	96
43) Hexachlorocyclopentadiene	6.631	237	36574	4.695	ug/ml	100
44) 2,4,6-Trichlorophenol	6.746	196	37725	4.745	ug/ml	99
45) 2,4,5-Trichlorophenol	6.774	196	41117	4.838	ug/ml	99
47) 2-Chloronaphthalene	6.923	162	103216	4.628	ug/ml#	92
48) 2-Nitroaniline	7.035	138	27916	4.696	ug/ml	84
49) 1,4-Dinitrobenzene	7.165	168	15031	4.765	ug/ml	78
50) 1,3-Dinitrobenzene	7.240	168	16051	4.718	ug/ml#	1
51) Dimethyl phthalate	7.237	163	127852	4.611	ug/ml#	98
52) Acenaphthylene	7.315	152	160020	4.807	ug/ml	100
53) 2,6-Dinitrotoluene	7.277	165	26005	4.751	ug/ml#	79
54) 1,2-Dinitrobenzene	7.318	168	9488	4.764	ug/ml#	1
64) 3-Nitroaniline	7.430	138	26142	4.734	ug/ml#	90
65) Acenaphthene	7.489	154	94690	4.708	ug/ml	91
66) 2,4-Dinitrophenol	7.532	184	17404	4.397	ug/ml#	80
67) Dibenzofuran	7.657	168	160164	4.524	ug/ml	88
68) 2,4-Dinitrotoluene	7.663	165	36363	4.835	ug/ml	91
69) 4-Nitrophenol	7.625	65	21715	4.694	ug/ml#	87
70) 2,3,5,6-Tetrachlorophenol	7.750	232	36554	4.595	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	7.790	232	35428	4.751	ug/ml	98
72) Diethyl phthalate	7.927	149	126509	4.407	ug/ml	99
73) Fluorene	7.986	166	123038	4.566	ug/ml	92
74) 4-Chlorophenyl phenyl ...	8.008	204	62368	4.545	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.017	138	25535	4.695	ug/ml#	79
76)	4,6-Dinitro-o-cresol	8.051	198	22581	4.760	ug/ml#	56
77)	NDPA/DPA	8.123	169	105835	4.576	ug/ml	92
78)	Azobenzene	8.157	77	110365	4.737	ug/ml	96
80)	4-Bromophenyl phenyl e...	8.474	248	39895	4.370	ug/ml#	79
81)	Hexachlorobenzene	8.524	284	50000	4.410	ug/ml#	79
82)	Pentachlorophenol	8.716	266	31883	4.646	ug/ml	99
89)	Phenanthrene	8.903	178	207829	4.541	ug/ml	100
90)	Anthracene	8.953	178	208056	4.714	ug/ml	99
91)	Carbazole	9.120	167	193451	4.626	ug/ml	99
92)	Di-n-butylphthalate	9.518	149	229888	4.788	ug/ml	99
93)	Fluoranthene	10.050	202	259812	4.661	ug/ml#	90
94)	Benzidine	10.205	184	151239	4.871	ug/ml#	94
95)	Pyrene	10.261	202	272963	4.757	ug/ml	99
97)	Butyl benzyl phthalate	10.976	149	104913	4.863	ug/ml	86
105)	Benzo(a)anthracene	11.476	228	270869	4.616	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.483	252	106055	4.870	ug/ml#	96
107)	Chrysene	11.514	228	261953	4.702	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.610	149	163373	4.950	ug/ml#	90
109)	Di-n-octylphthalate	12.278	149	283548	5.153	ug/ml#	71
110)	Benzo(b)fluoranthene	12.567	252	296436	4.731	ug/ml#	92
111)	Benzo(k)fluoranthene	12.595	252	278467	4.672	ug/ml#	93
112)	Benzo(a)pyrene	12.878	252	277472	4.999	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	13.879	276	297830	4.684	ug/mL#	86
115)	Dibenzo(a,h)anthracene	13.904	278	292850	4.949	ug/ml#	88
116)	Benzo(ghi)perylene	14.093	276	275749	4.743	ug/ml#	84

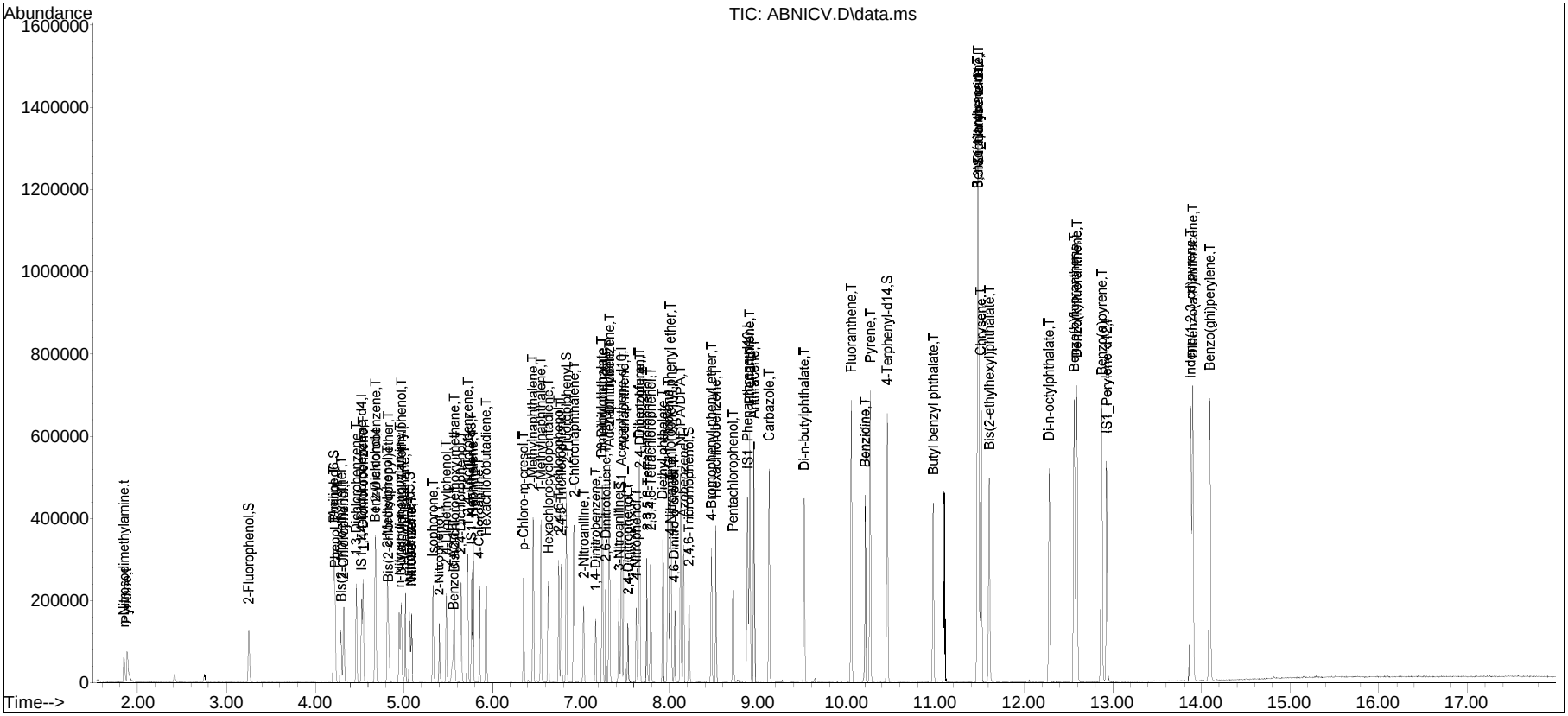
(#) = qualifier out of range (m) = manual integration (+) = signals summed

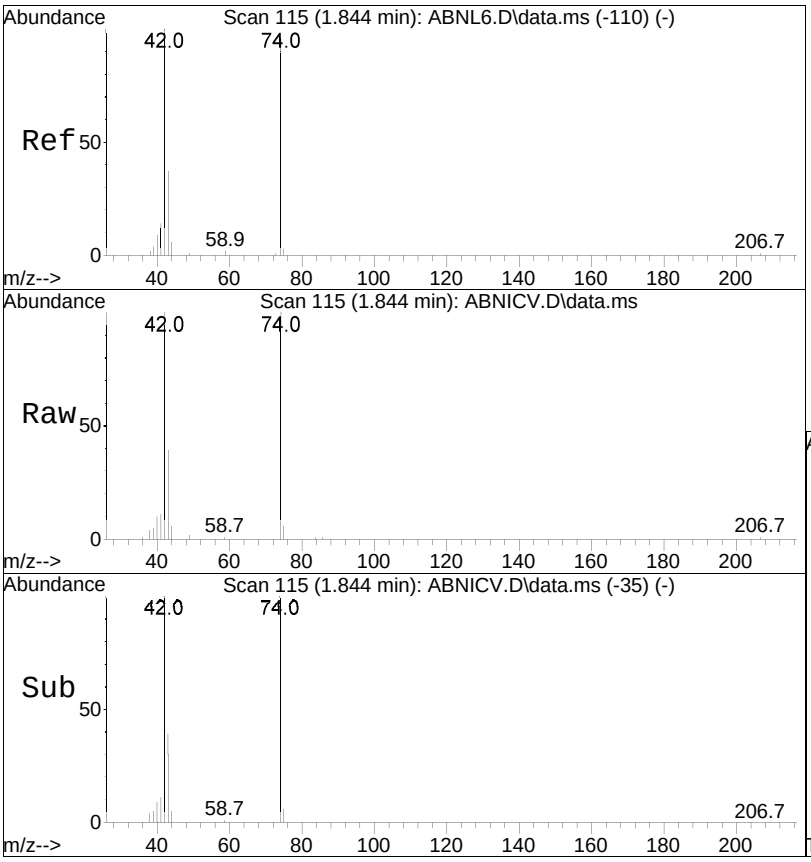
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ABNICV.D
Acq On : 18 Jun 2024 7:10 pm
Operator : Dakota:cmm
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1938219,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 19 21:02:20 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:01:37 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistcal\ABNL6.D•

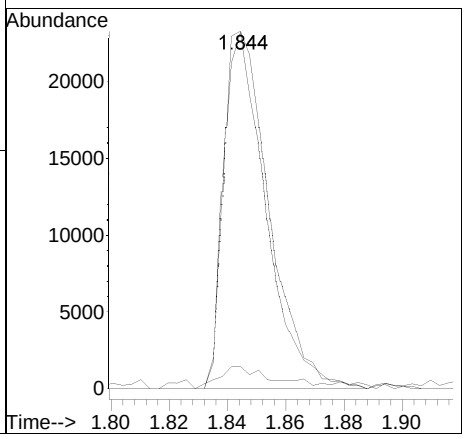


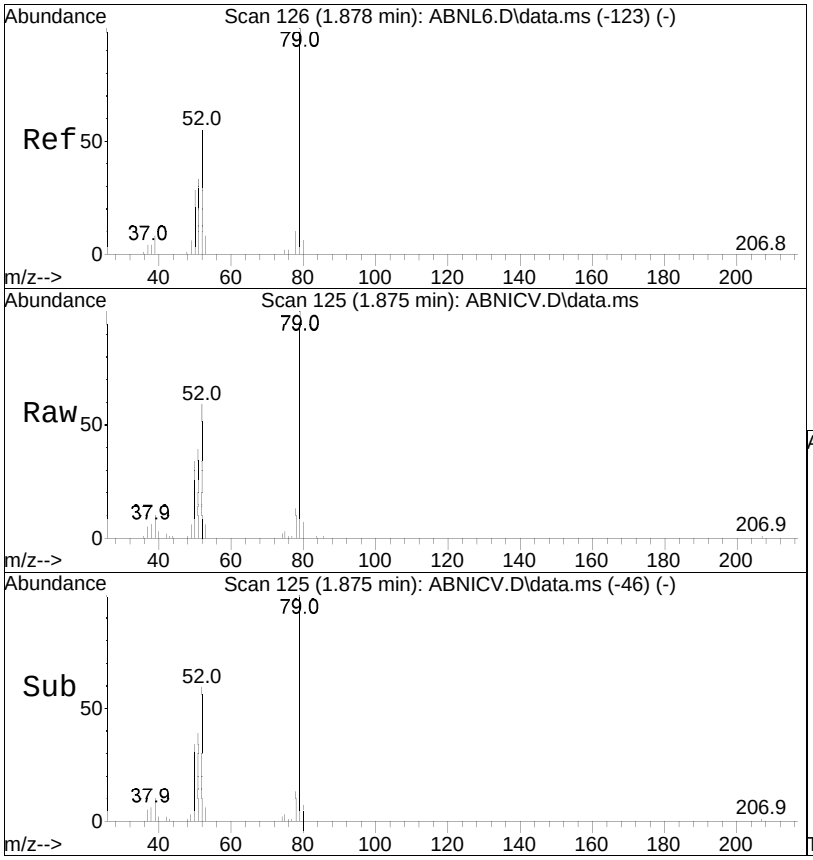


#2
n-Nitrosodimethylamine
Concen: 4.80 ug/ml
RT: 1.844 min Scan# 115
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 74 Resp: 25197

Ion	Ratio	Lower	Upper
74	100		
42	92.1	100.0	150.0#
44	7.6	6.7	10.1

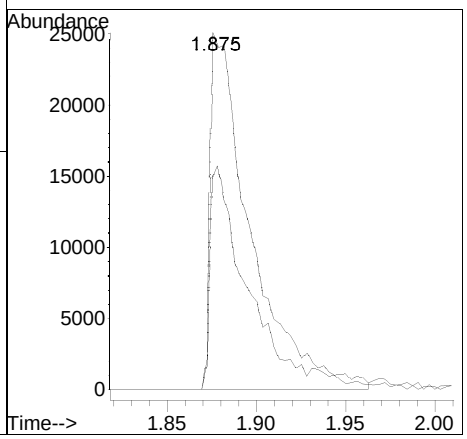


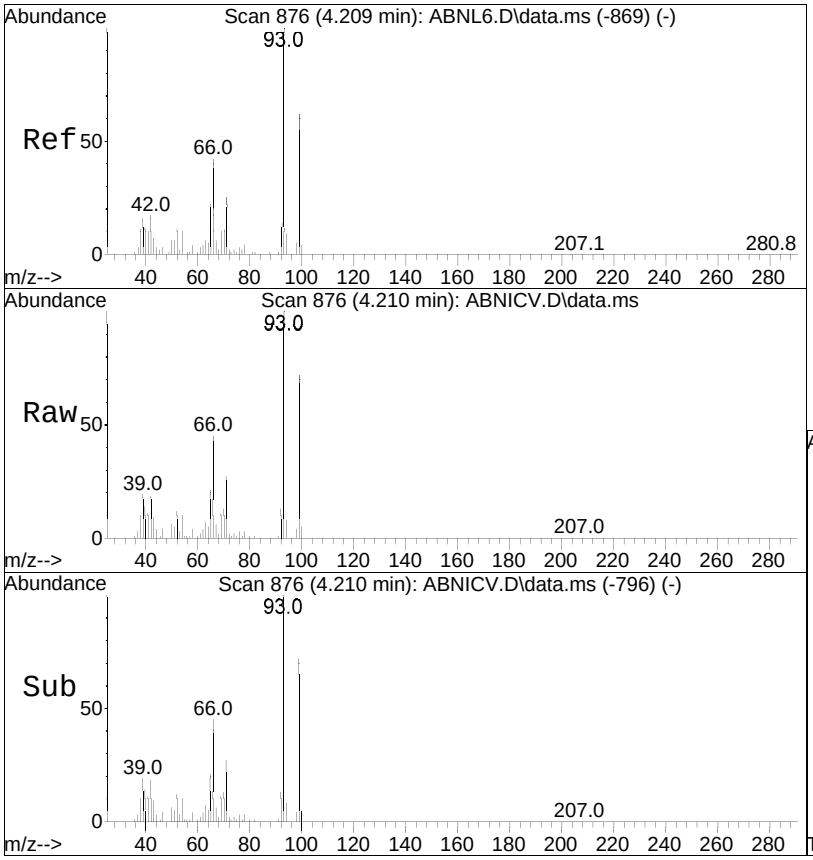


#3
Pyridine
Concen: 4.62 ug/ml
RT: 1.875 min Scan# 125
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 79 Resp: 39303

Ion	Ratio	Lower	Upper
79	100		
52	56.0	93.1	139.7#

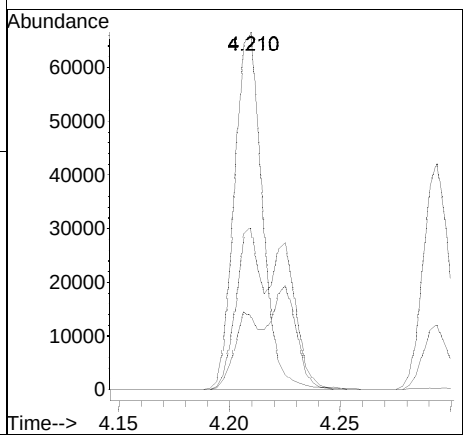


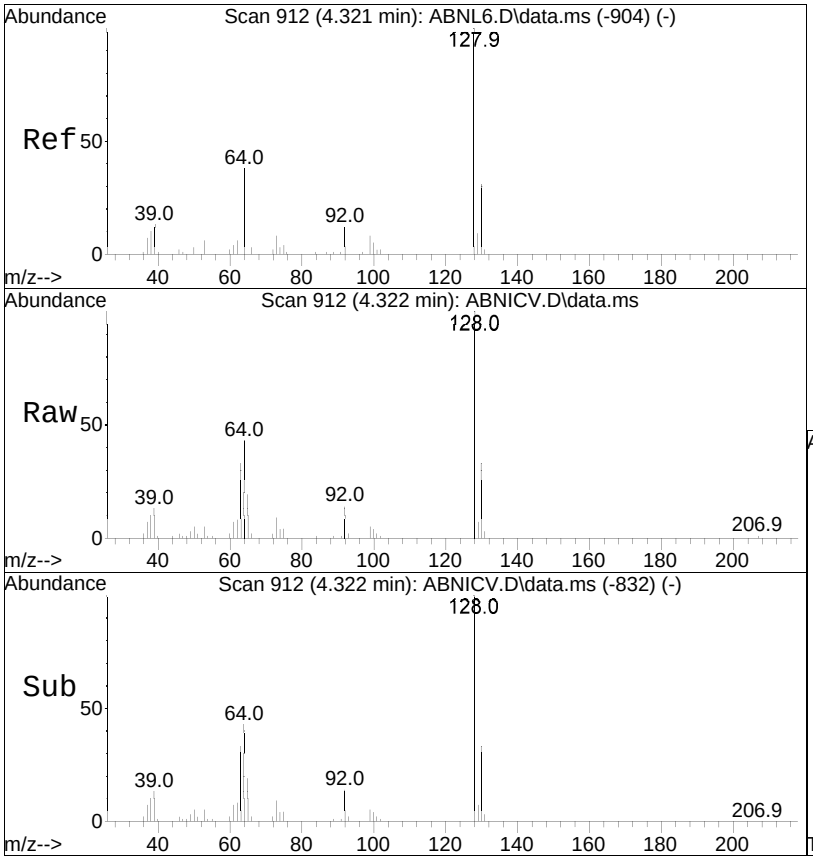


#5
Aniline
Concen: 4.55 ug/ml
RT: 4.210 min Scan# 876
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 93 Resp: 58691

Ion	Ratio	Lower	Upper
93	100		
66	41.1	32.6	49.0
65	21.4	17.6	26.4

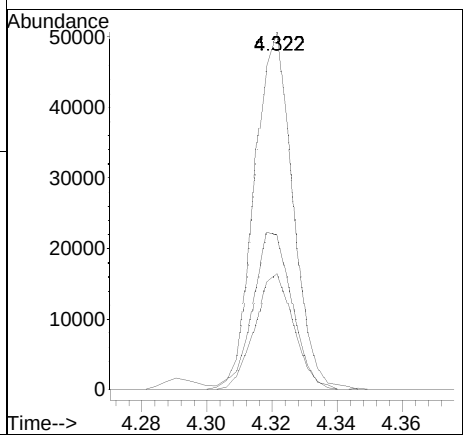


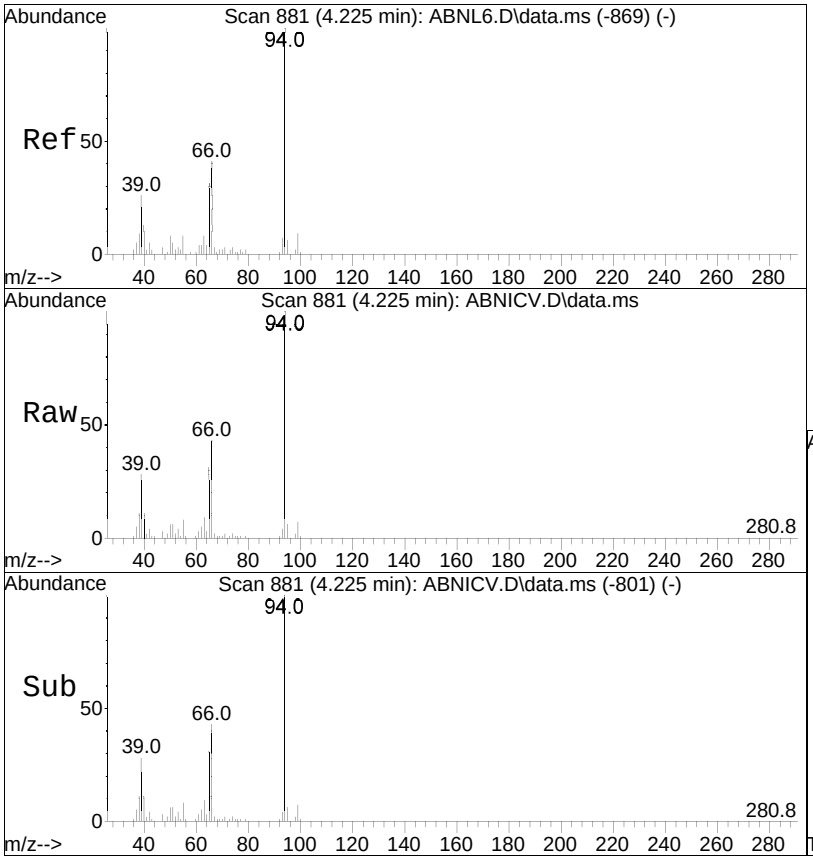


#6
2-Chlorophenol
Concen: 4.75 ug/ml
RT: 4.322 min Scan# 912
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:128 Resp: 41303

Ion	Ratio	Lower	Upper
128	100		
64	45.1	45.1	67.7#
130	33.0	26.2	39.4

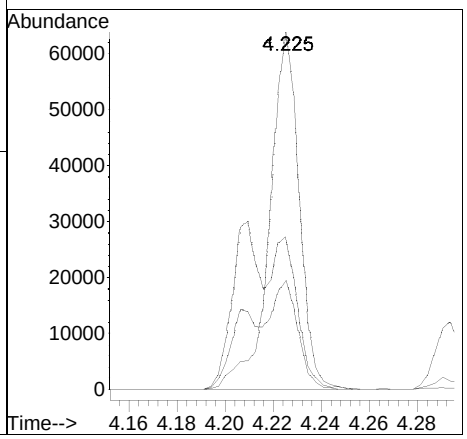


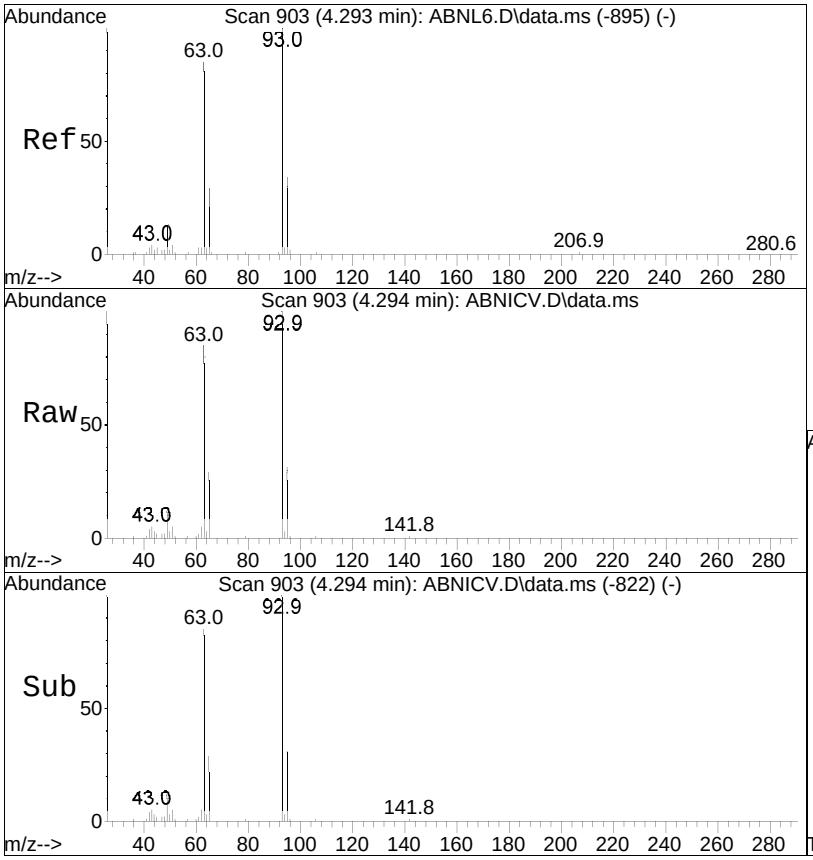


#8
Phenol
Concen: 4.75 ug/ml
RT: 4.225 min Scan# 881
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 94 Resp: 54279

Ion	Ratio	Lower	Upper
94	100		
65	27.1	26.0	39.0
66	38.6	33.8	50.8

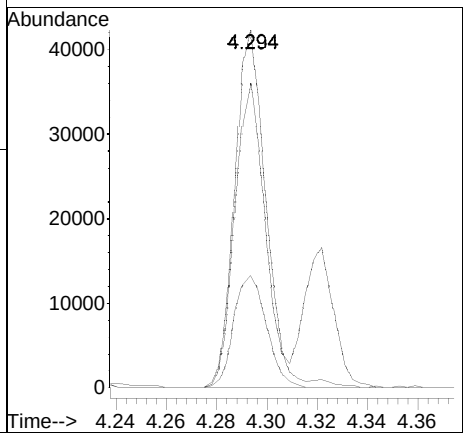


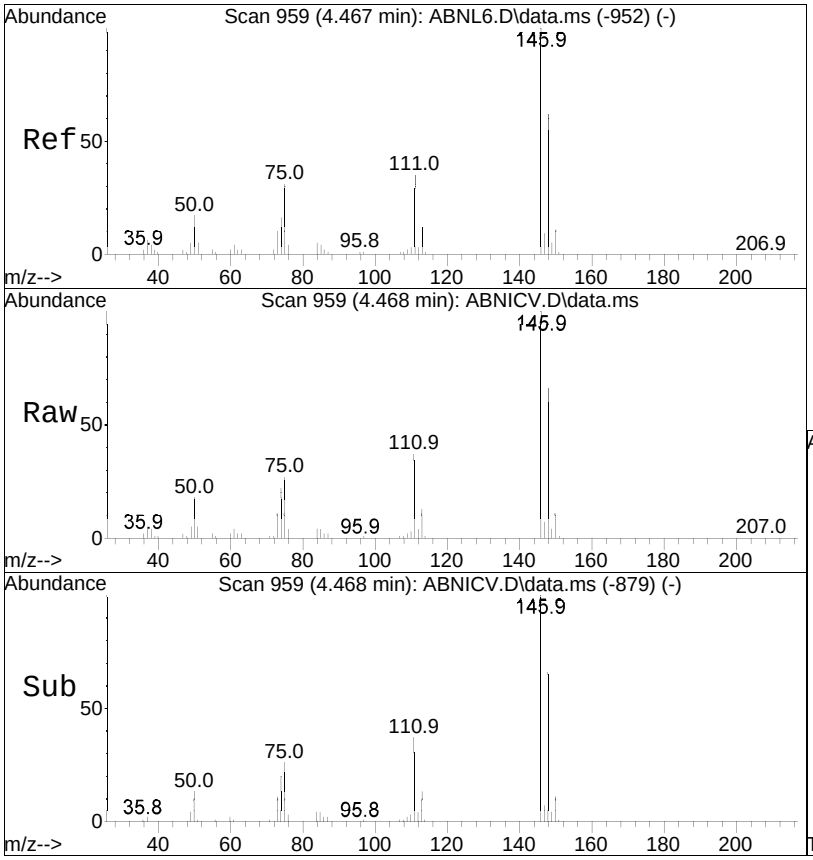


#9
Bis(2-chloroethyl)ether
Concen: 4.84 ug/ml
RT: 4.294 min Scan# 903
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 93 Resp: 36278

Ion	Ratio	Lower	Upper
93	100		
63	83.2	74.6	111.8
95	33.0	25.9	38.9

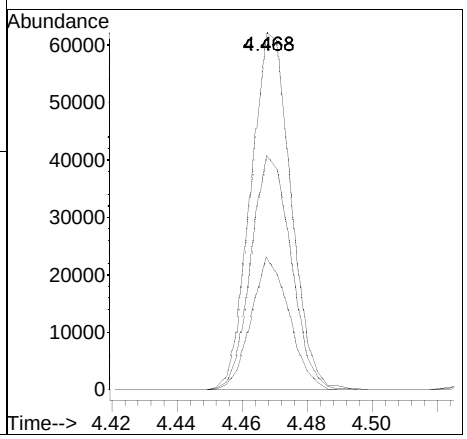


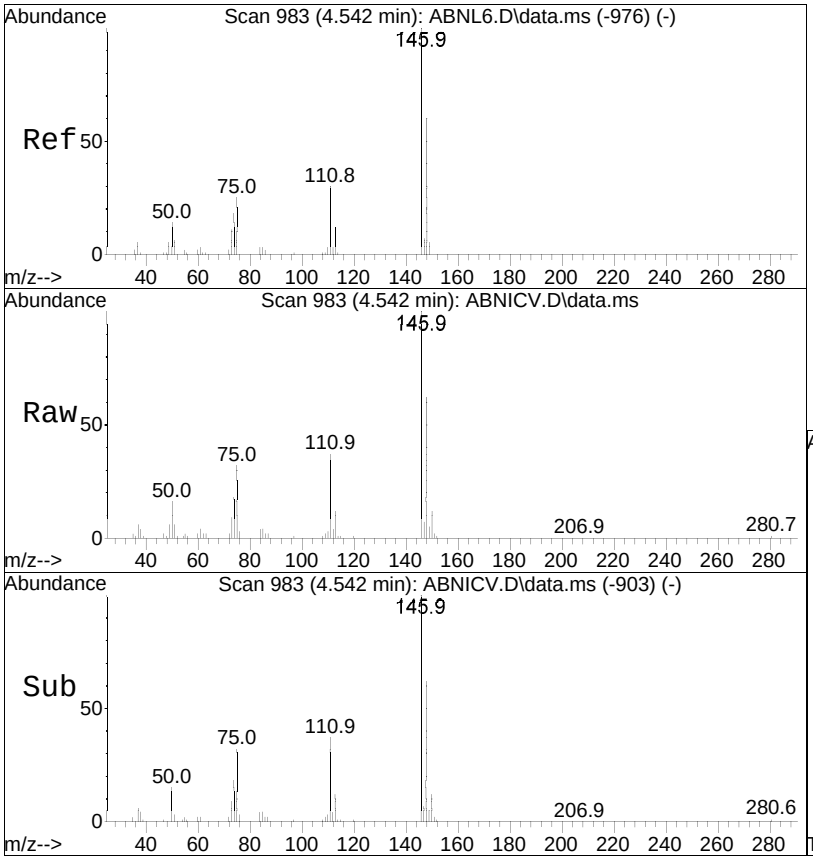


#10
1,3-Dichlorobenzene
Concen: 4.74 ug/ml
RT: 4.468 min Scan# 959
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:146 Resp: 52997

Ion	Ratio	Lower	Upper
146	100		
111	35.2	34.3	51.5
148	65.3	50.8	76.2

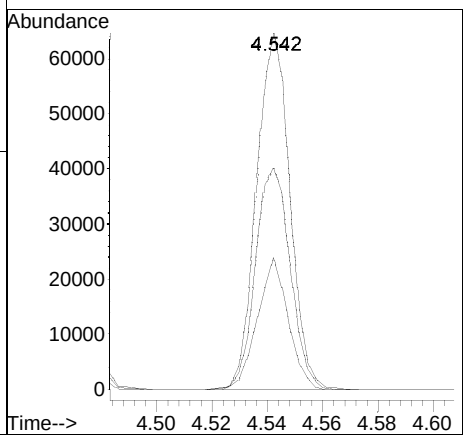


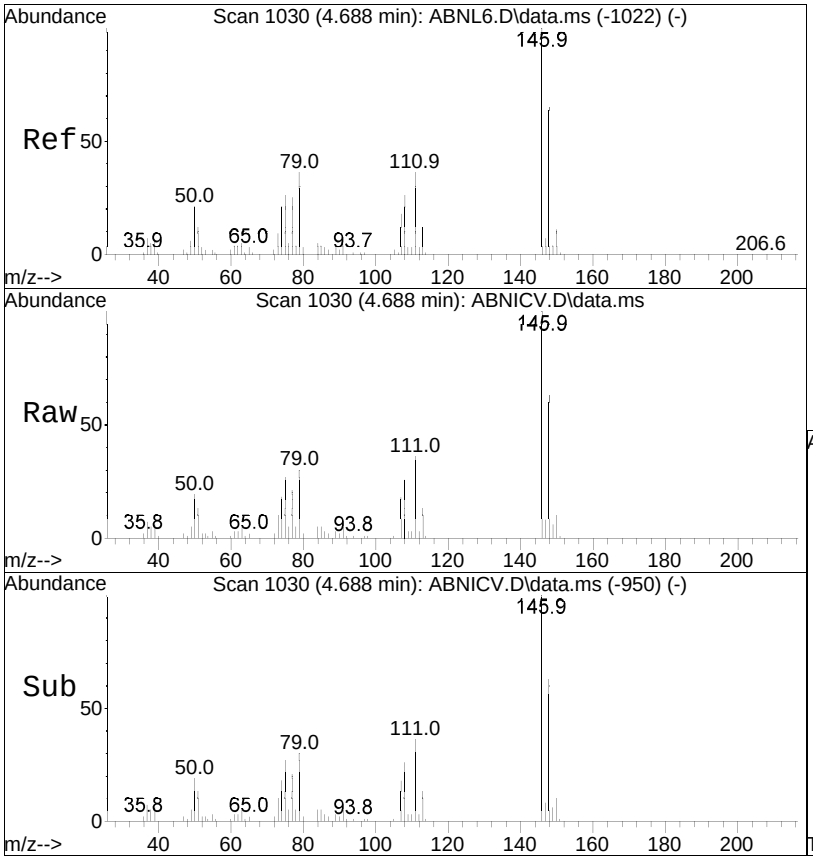


#11
1,4-Dichlorobenzene
Concen: 4.65 ug/ml
RT: 4.542 min Scan# 983
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:146 Resp: 53826

Ion	Ratio	Lower	Upper
146	100		
148	65.1	50.7	76.1
111	34.7	33.4	50.0

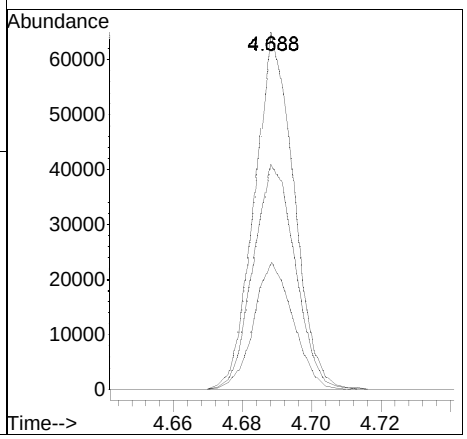


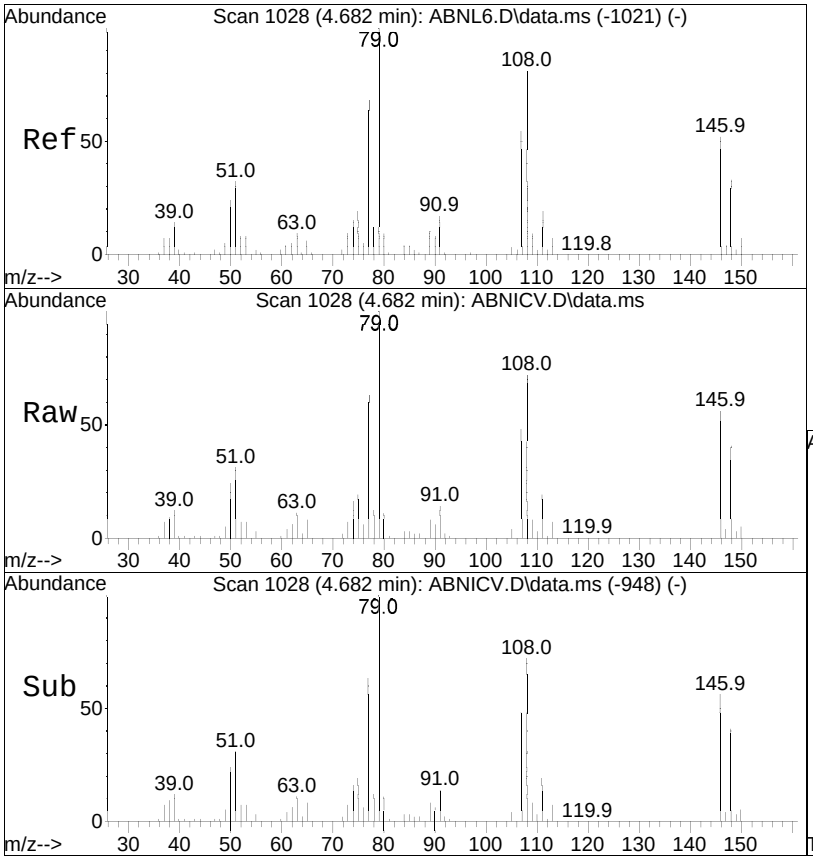


#12
1,2-Dichlorobenzene
Concen: 4.63 ug/ml
RT: 4.688 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:146 Resp: 50947

Ion	Ratio	Lower	Upper
146	100		
111	36.0	34.6	52.0
148	67.4	50.2	75.4

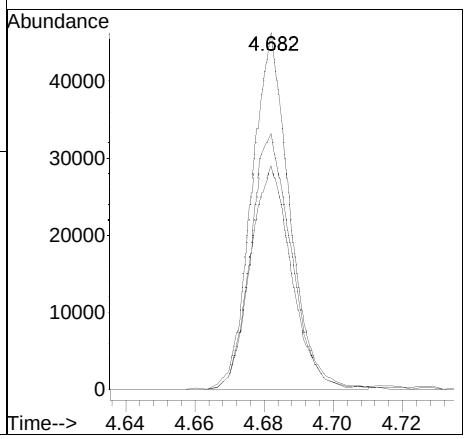


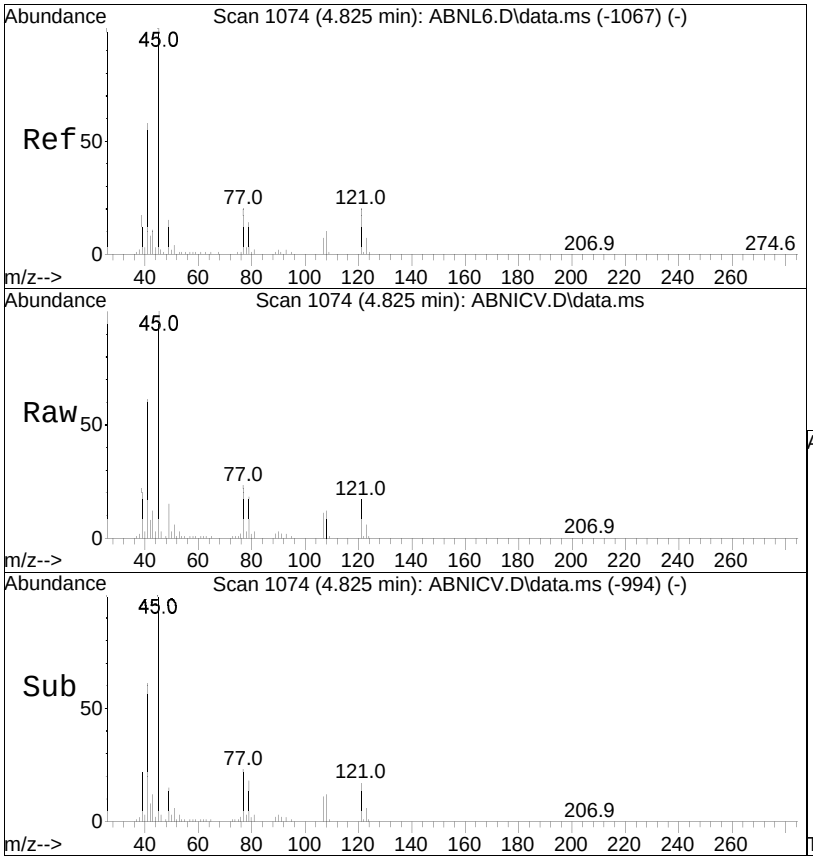


#13
Benzyl alcohol
Concen: 4.78 ug/ml
RT: 4.682 min Scan# 1028
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 79 Resp: 35123

Ion	Ratio	Lower	Upper
79	100		
77	69.3	54.9	82.3
108	76.5	63.1	94.7

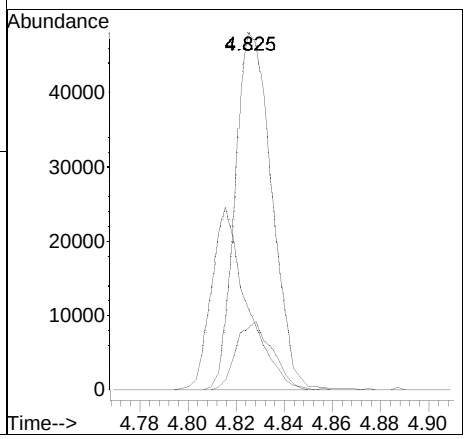


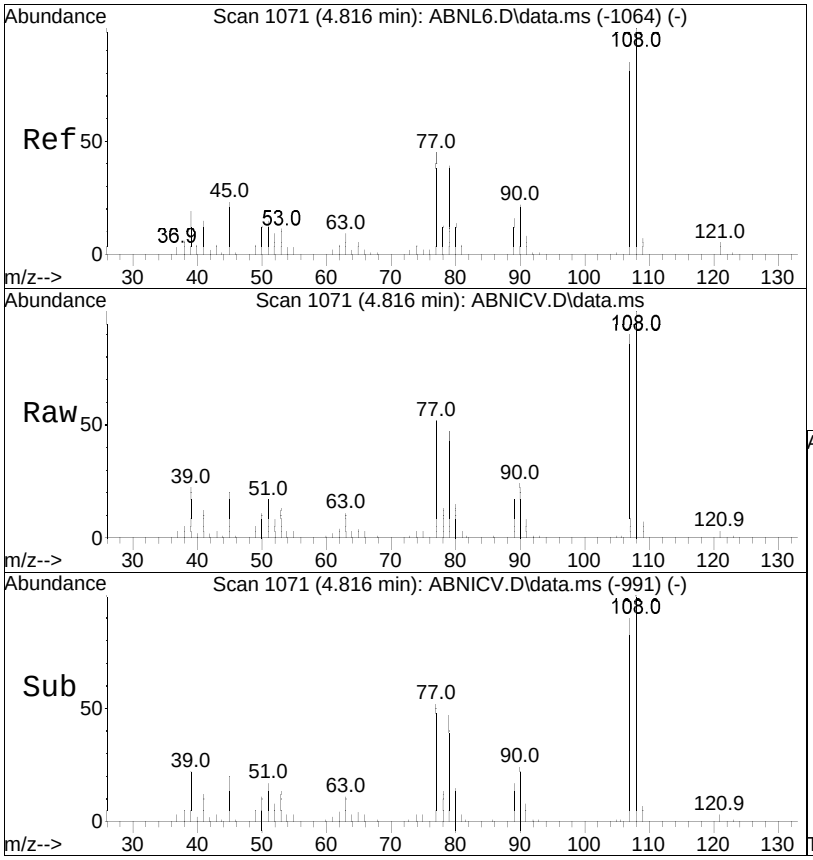


#14
Bis(2-chloroisopropyl)ether
Concen: 4.53 ug/ml
RT: 4.825 min Scan# 1074
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 45 Resp: 50620

Ion	Ratio	Lower	Upper
45	100		
121	18.8	9.8	14.6#
77	49.7	6.1	9.1#

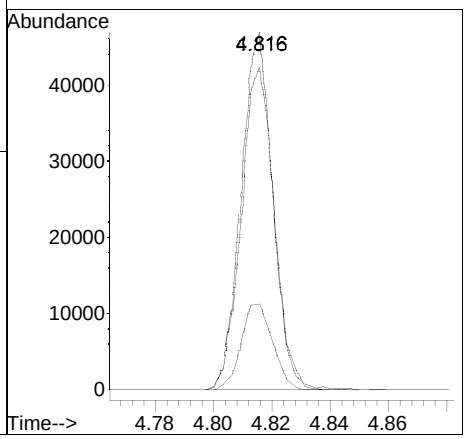


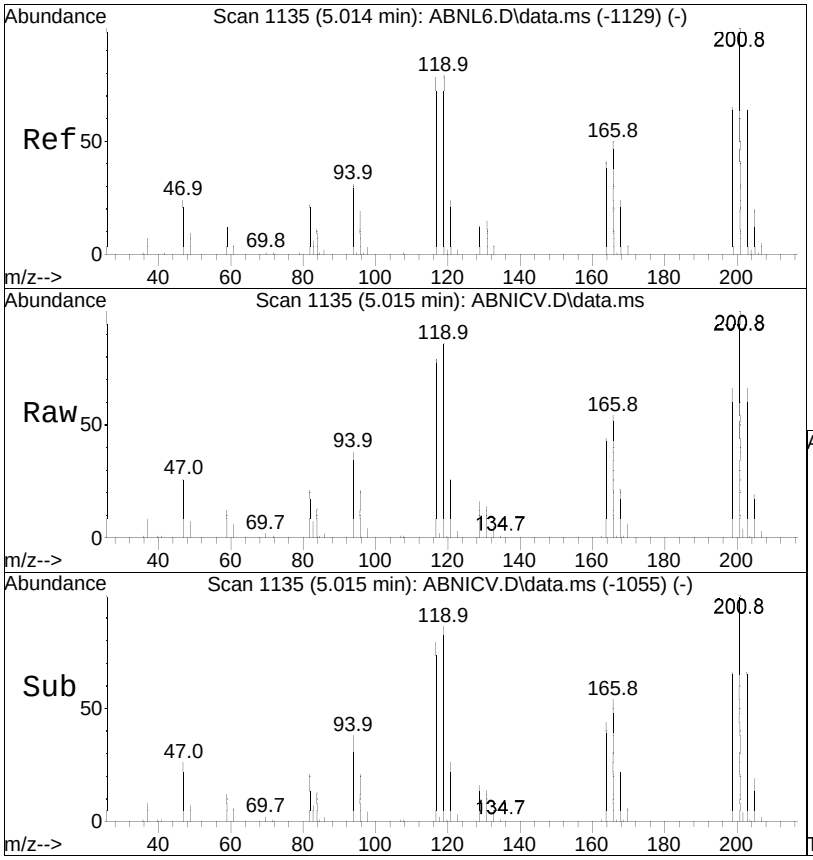


#15
2-Methylphenol
Concen: 4.52 ug/ml
RT: 4.816 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:108 Resp: 35480

Ion	Ratio	Lower	Upper
108	100		
107	92.0	70.7	106.1
90	23.9	18.7	28.1

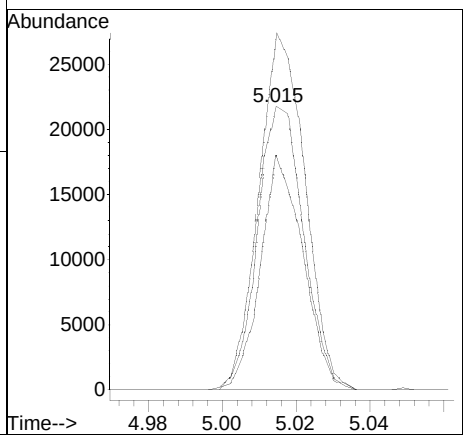


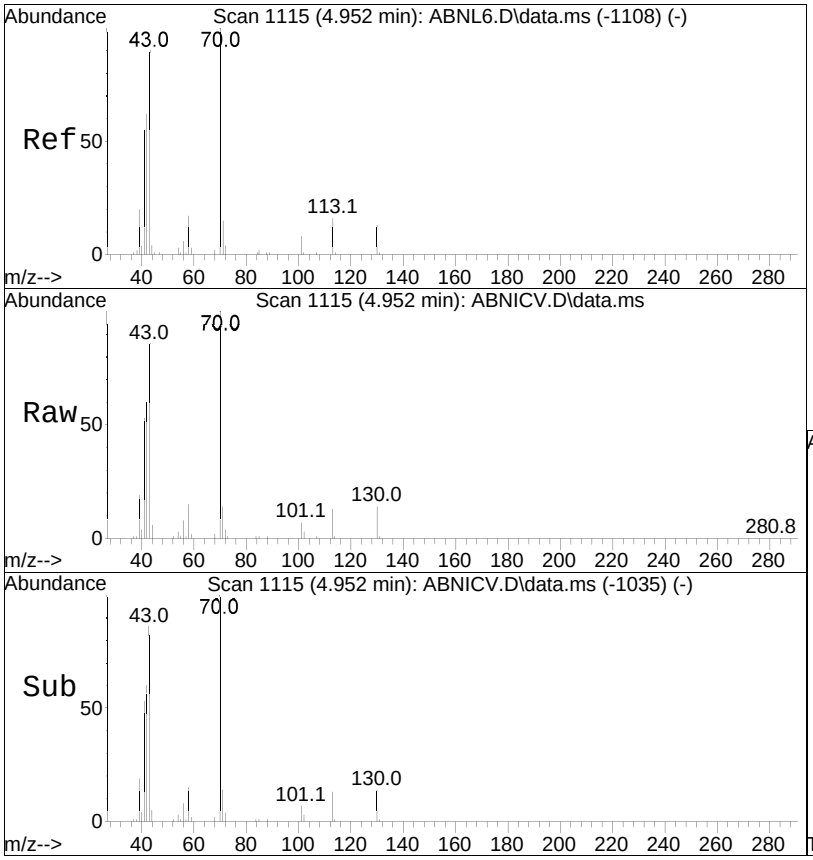


#16
Hexachloroethane
Concen: 4.59 ug/ml
RT: 5.015 min Scan# 1135
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:117 Resp: 18884

Ion	Ratio	Lower	Upper
117	100		
201	125.9	58.6	87.8#
199	76.4	36.9	55.3#

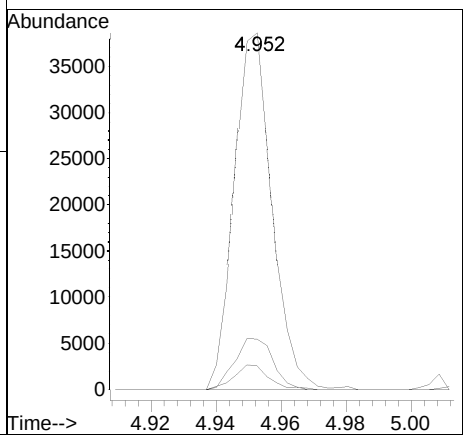


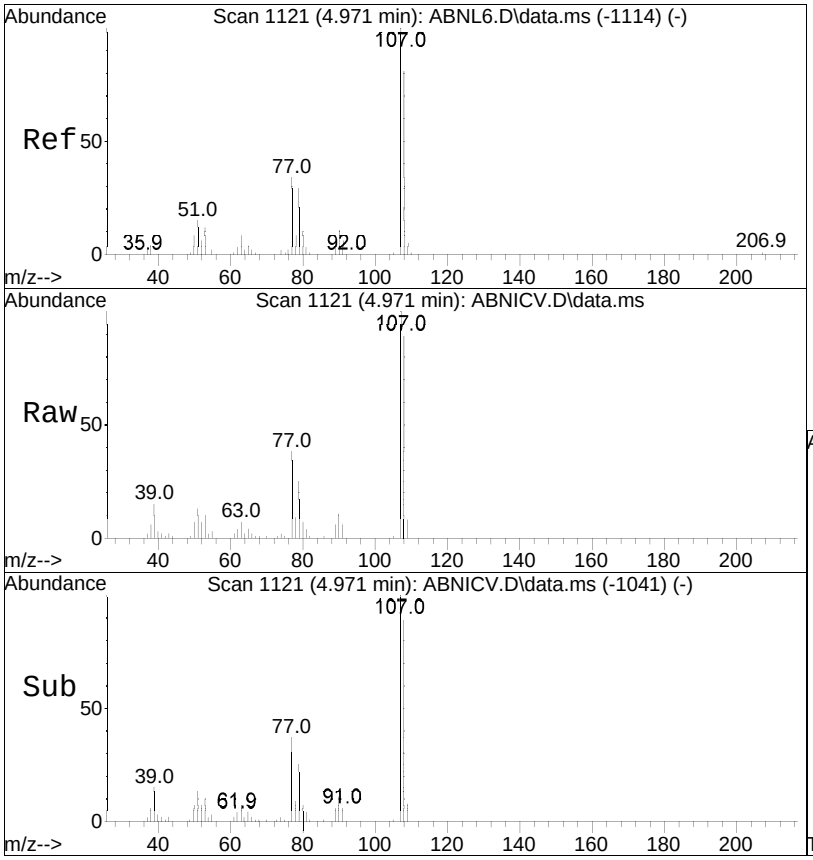


#17
n-Nitrosodi-n-propylamine
Concen: 4.51 ug/ml
RT: 4.952 min Scan# 1115
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 70 Resp: 31100

Ion	Ratio	Lower	Upper
70	100		
130	14.6	18.2	27.4#
101	6.4	7.8	11.8#

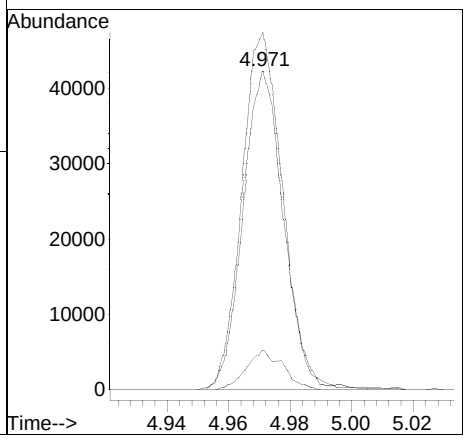


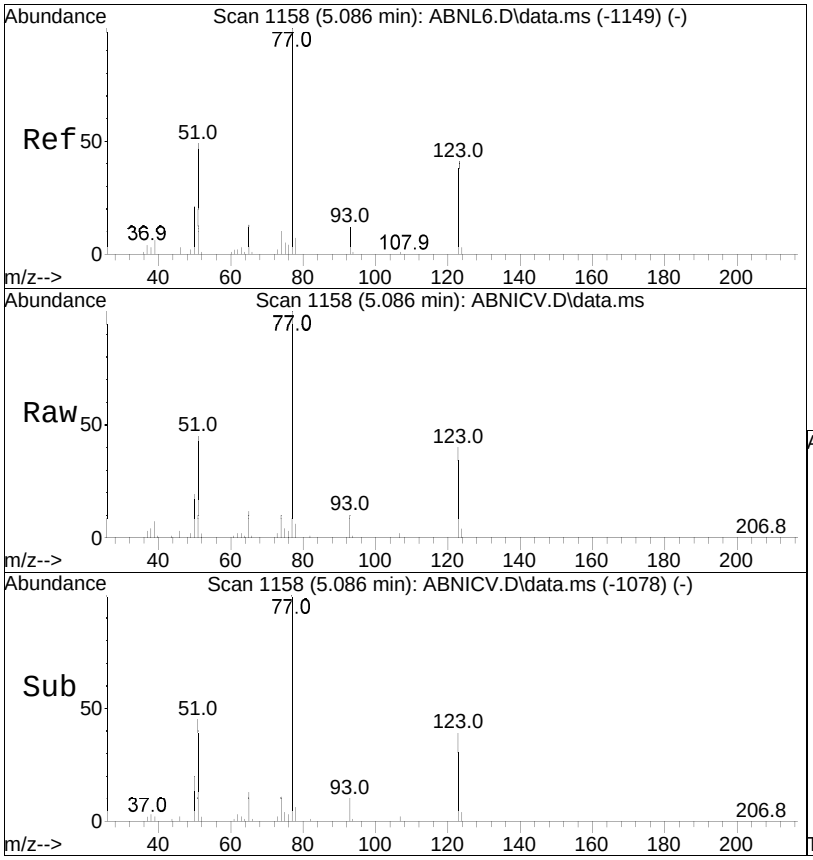


#18
3-Methylphenol/4-Methylphenol
Concen: 4.70 ug/ml
RT: 4.971 min Scan# 1121
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:108 Resp: 38945

Ion	Ratio	Lower	Upper
108	100		
107	111.7	88.6	132.8
90	11.2	8.8	13.2

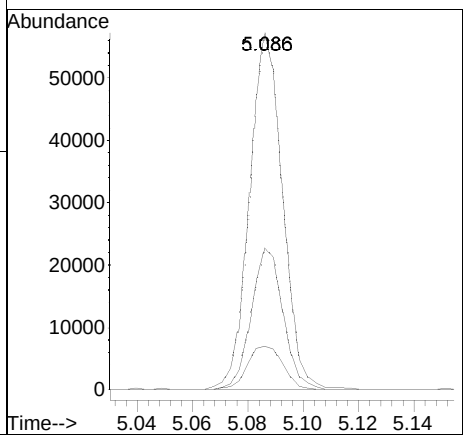


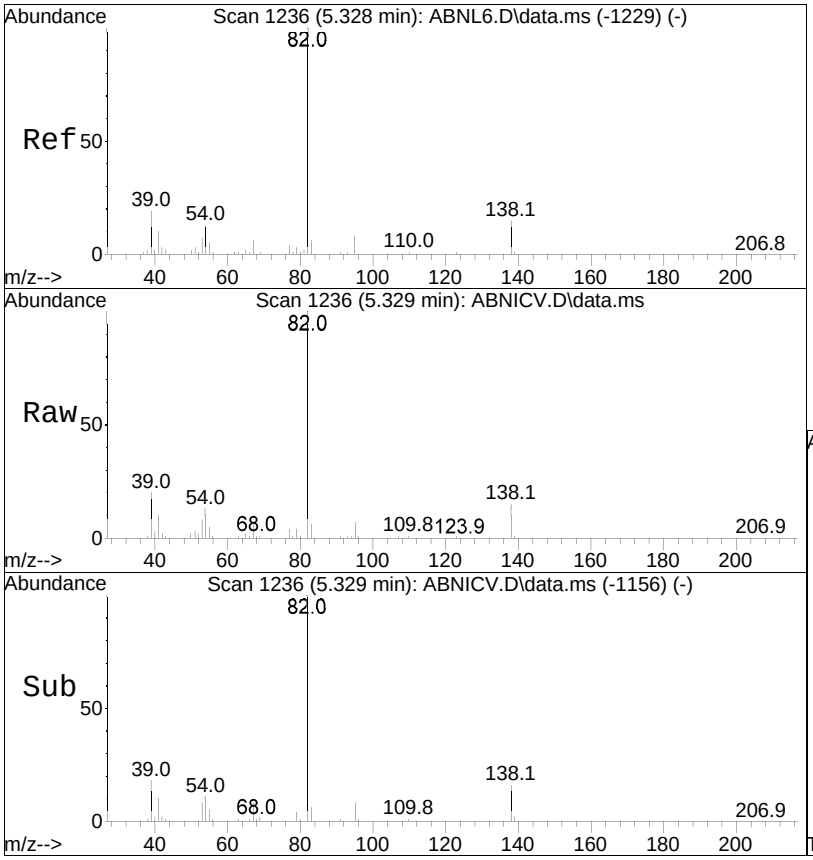


#20
Nitrobenzene
Concen: 4.79 ug/ml
RT: 5.086 min Scan# 1158
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 77 Resp: 46988

Ion	Ratio	Lower	Upper
77	100		
123	38.3	36.3	54.5
65	13.2	11.6	17.4

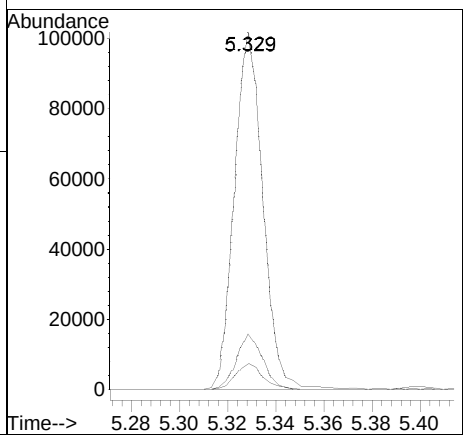


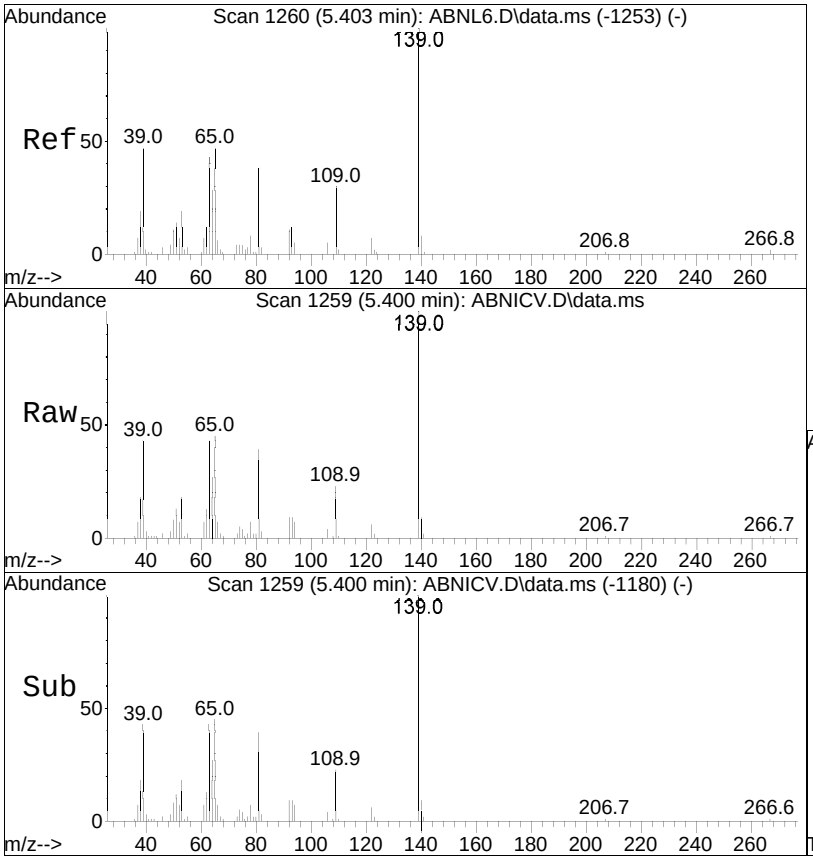


#21
Isophorone
Concen: 4.81 ug/ml
RT: 5.329 min Scan# 1236
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 82 Resp: 82665

Ion	Ratio	Lower	Upper
82	100		
138	14.4	14.7	22.1#
95	7.0	5.2	7.8

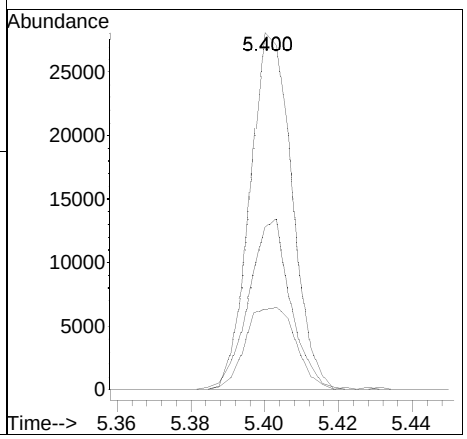


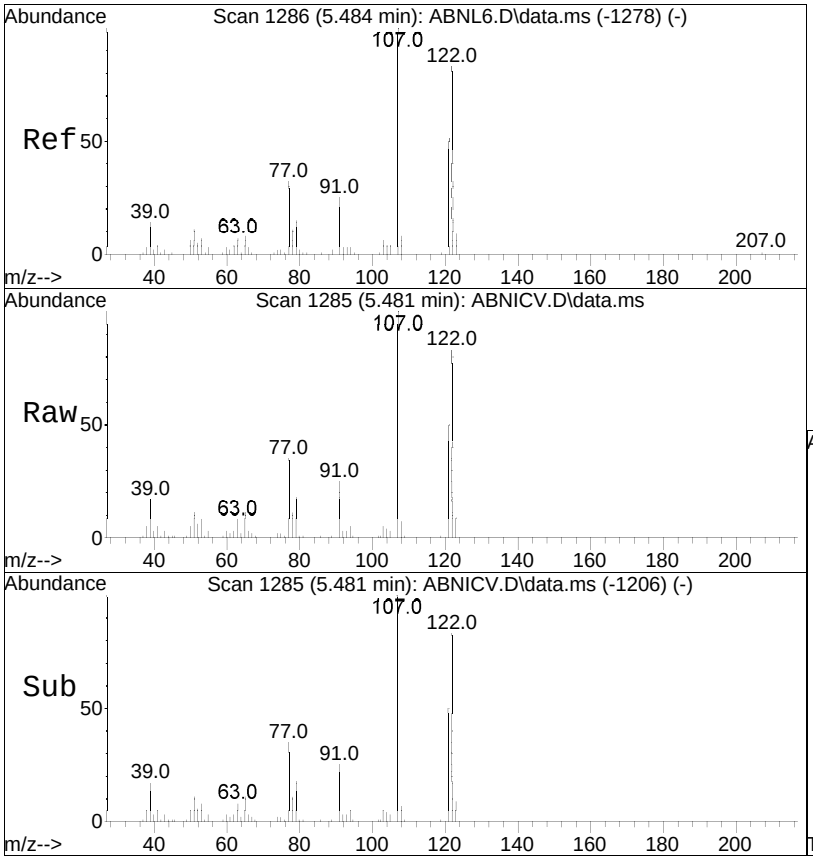


#22
2-Nitrophenol
Concen: 4.54 ug/ml
RT: 5.400 min Scan# 1259
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:139 Resp: 22094

Ion	Ratio	Lower	Upper
139	100		
109	27.6	19.4	29.0
65	47.7	46.1	69.1

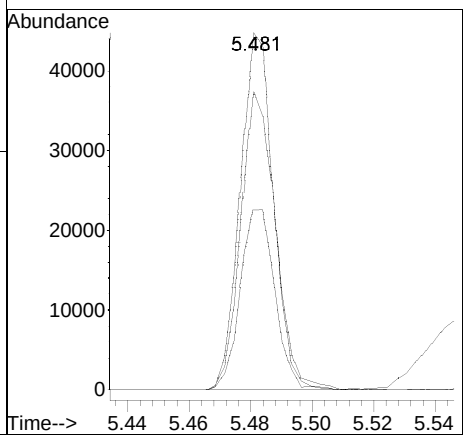


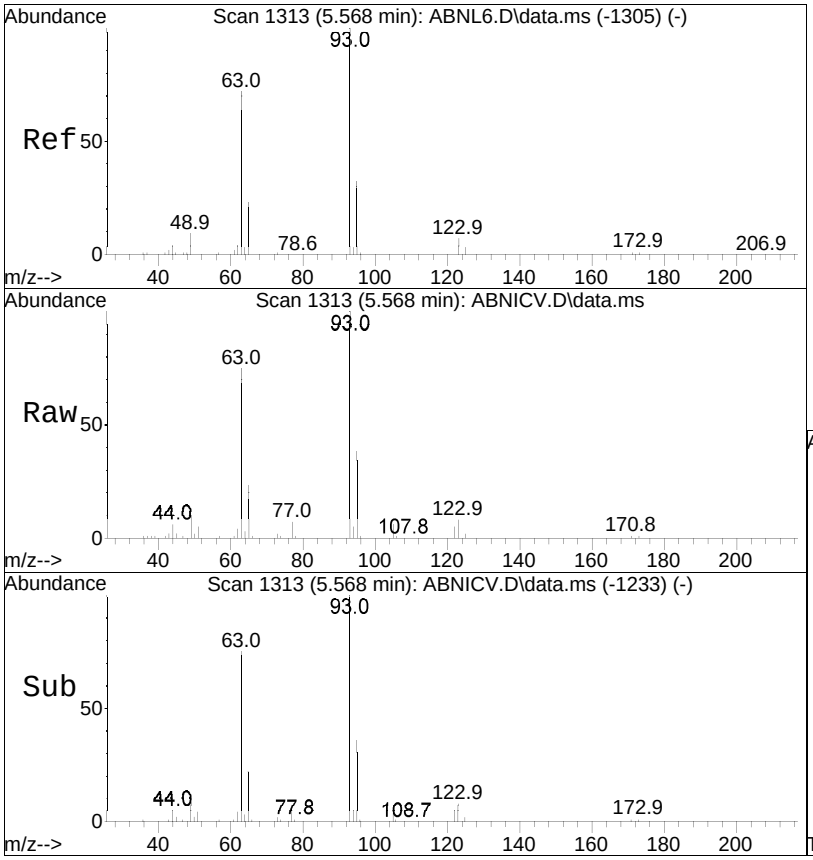


#23
2,4-Dimethylphenol
Concen: 4.12 ug/ml
RT: 5.481 min Scan# 1285
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:107 Resp: 34144

Ion	Ratio	Lower	Upper
107	100		
121	52.0	40.0	60.0
122	83.4	70.2	105.4

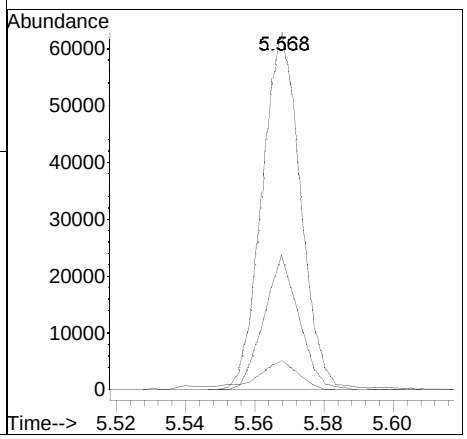


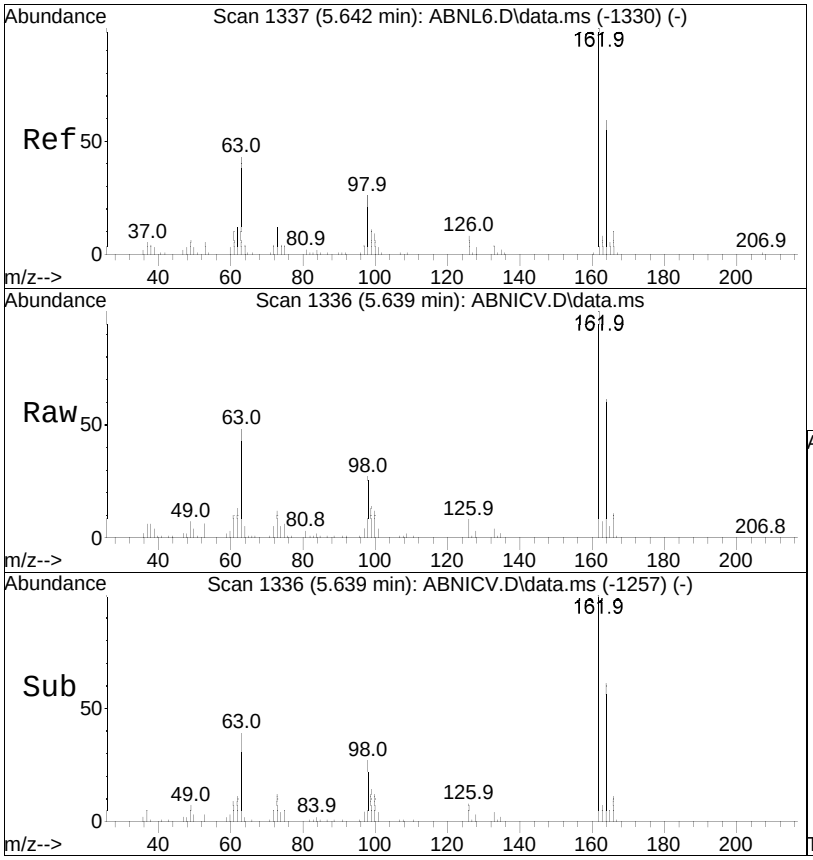


#24
Bis(2-chloroethoxy)methane
Concen: 4.57 ug/ml
RT: 5.568 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 93 Resp: 48273

Ion	Ratio	Lower	Upper
93	100		
95	34.5	25.8	38.8
123	9.9	10.1	15.1#

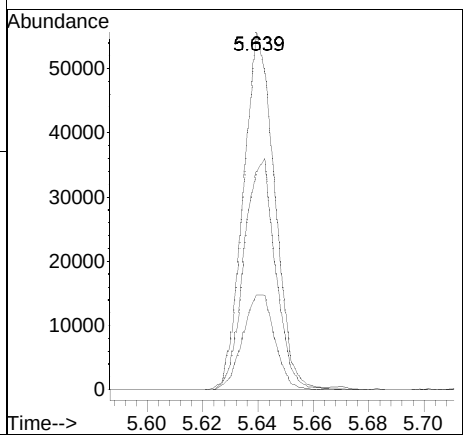


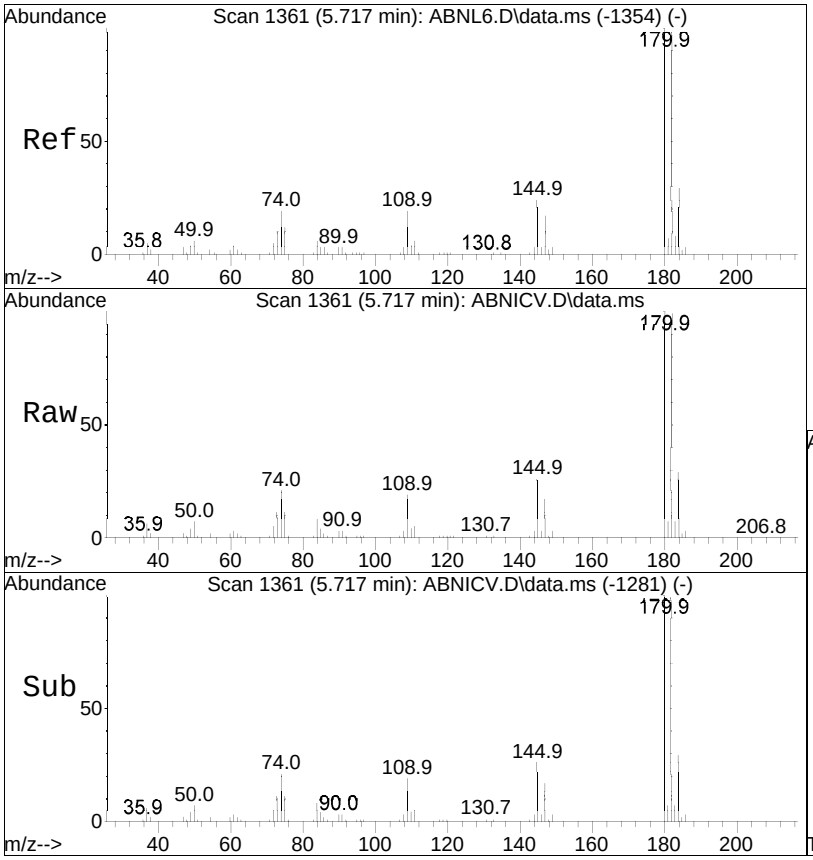


#25
2,4-Dichlorophenol
Concen: 4.68 ug/ml
RT: 5.639 min Scan# 1336
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:162 Resp: 43736

Ion	Ratio	Lower	Upper
162	100		
164	64.9	51.0	76.4
98	27.2	32.2	48.2#

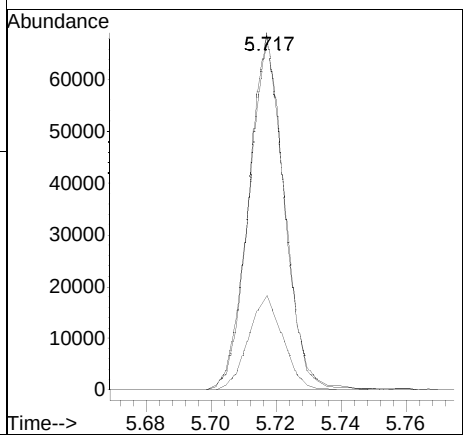


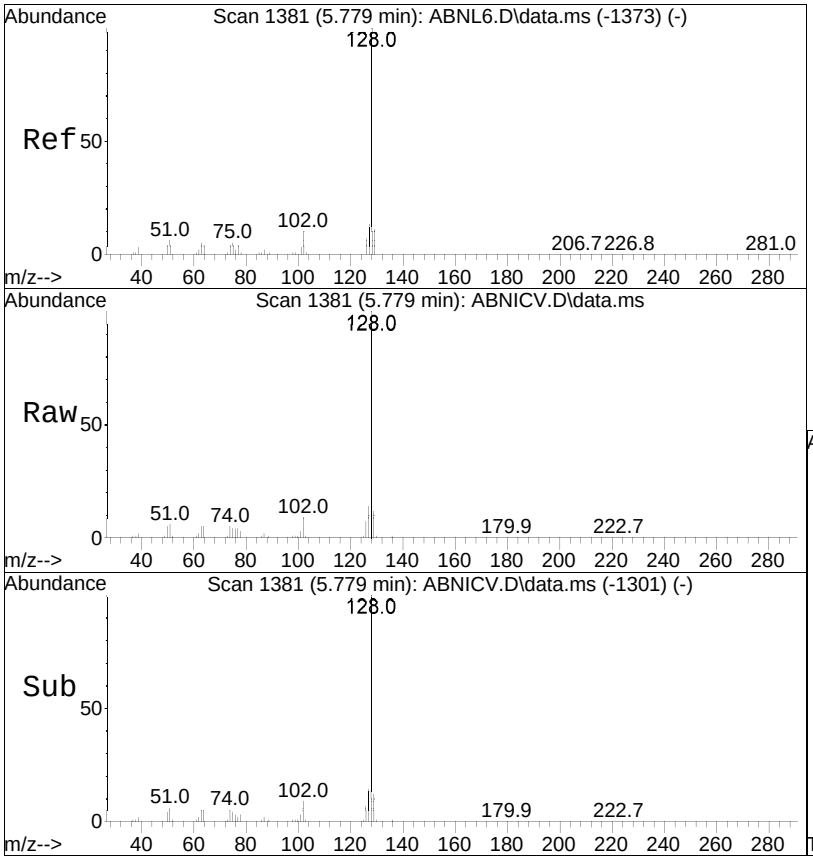


#26
1,2,4-Trichlorobenzene
Concen: 4.50 ug/ml
RT: 5.717 min Scan# 1361
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:180 Resp: 52566

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.0	114.0
145	25.5	25.7	38.5#

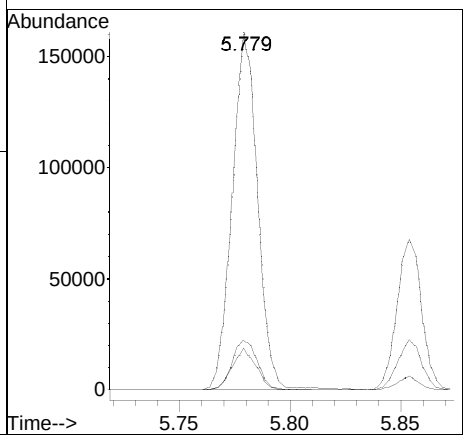


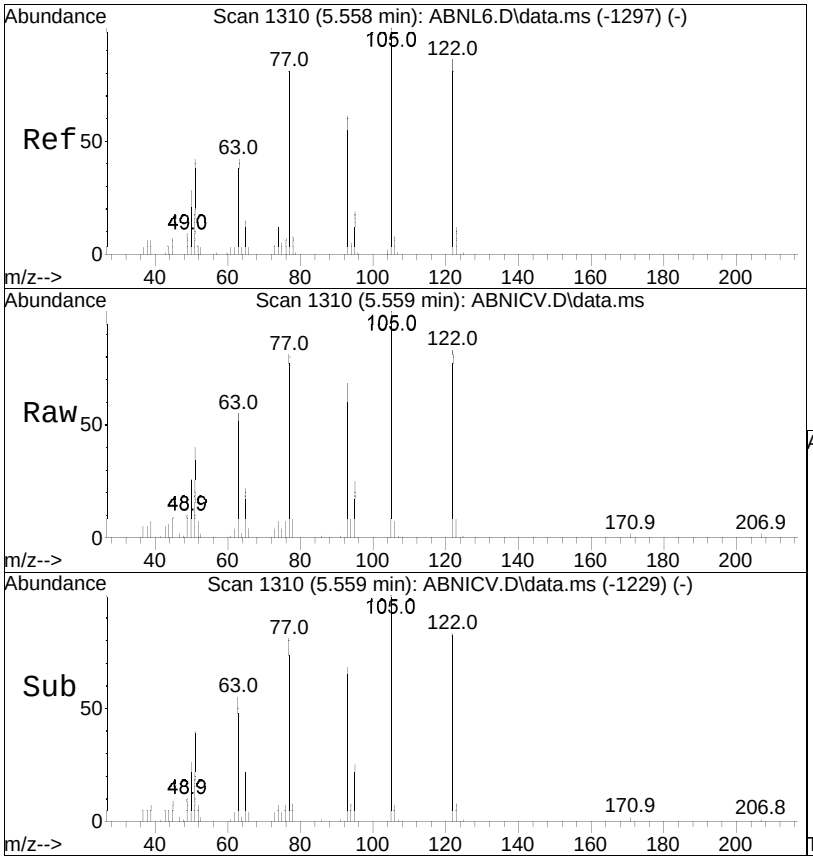


#36
Naphthalene
Concen: 4.58 ug/ml
RT: 5.779 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:128 Resp: 128000

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.7	13.1
127	14.0	10.3	15.5

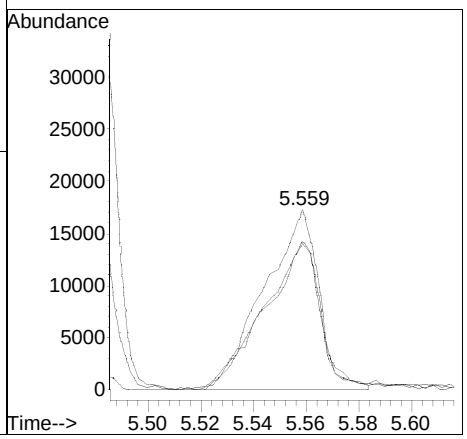


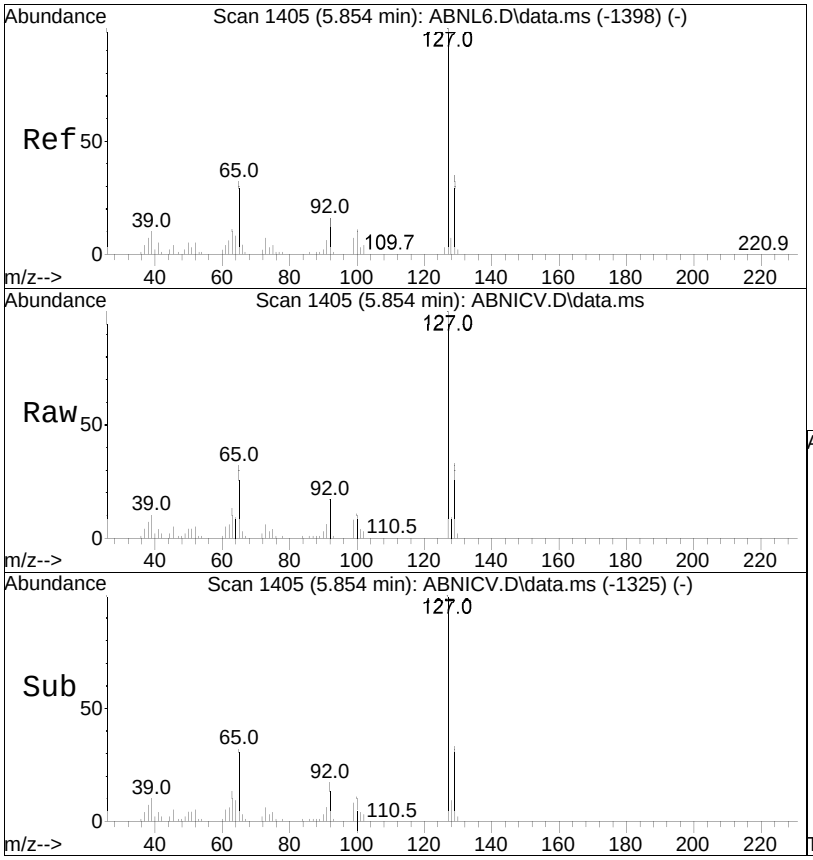


#37
Benzoic Acid
Concen: 4.15 ug/ml
RT: 5.559 min Scan# 1310
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:105 Resp: 25027

Ion	Ratio	Lower	Upper
105	100		
122	85.7	59.9	89.9
77	84.7	60.1	90.1

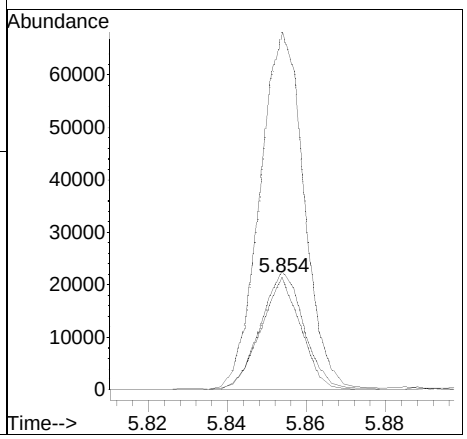


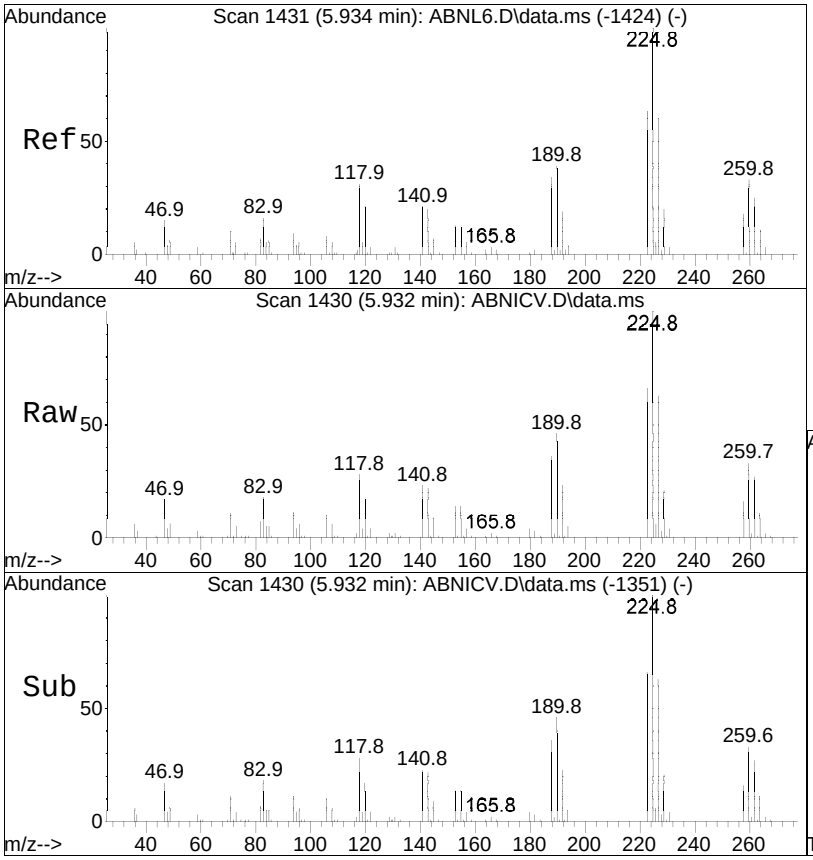


#38
4-Chloroaniline
Concen: 4.37 ug/ml
RT: 5.854 min Scan# 1405
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 65 Resp: 14911

Ion	Ratio	Lower	Upper
65	100		
127	352.9	237.6	356.4
129	114.2	76.3	114.5

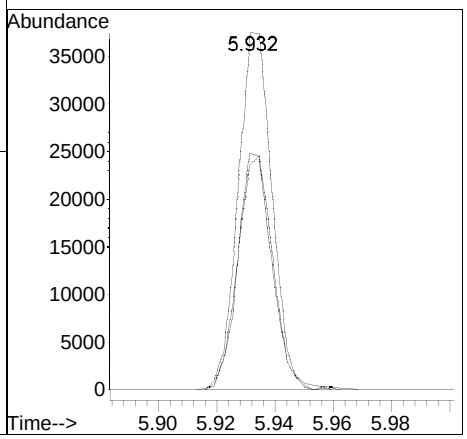


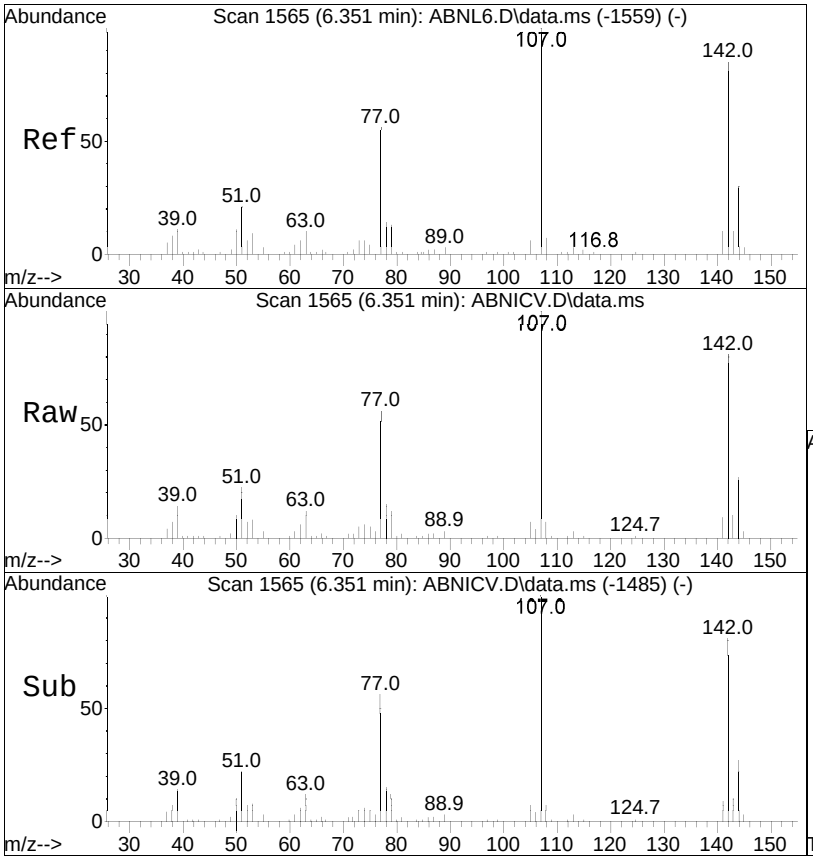


#39
Hexachlorobutadiene
Concen: 4.56 ug/ml
RT: 5.932 min Scan# 1430
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:225 Resp: 30667

Ion	Ratio	Lower	Upper
225	100		
223	65.6	50.3	75.5
227	67.1	52.2	78.2

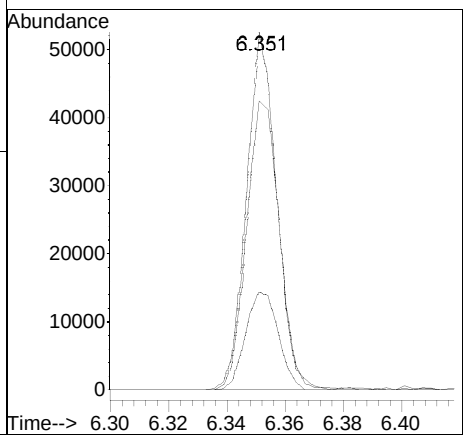


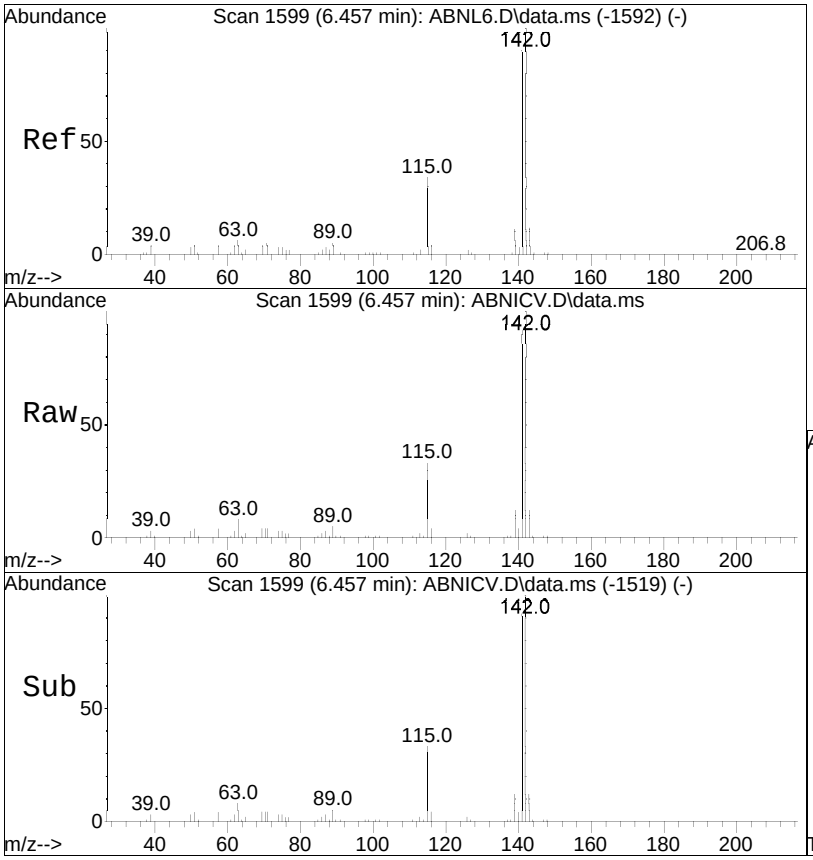


#40
p-Chloro-m-cresol
Concen: 4.80 ug/ml
RT: 6.351 min Scan# 1565
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:107 Resp: 37491

Ion	Ratio	Lower	Upper
107	100		
144	29.7	20.9	31.3
142	87.2	66.1	99.1

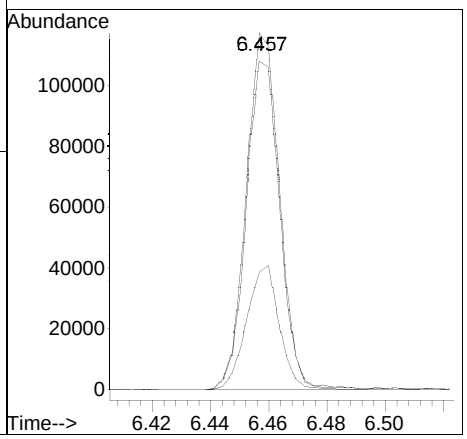


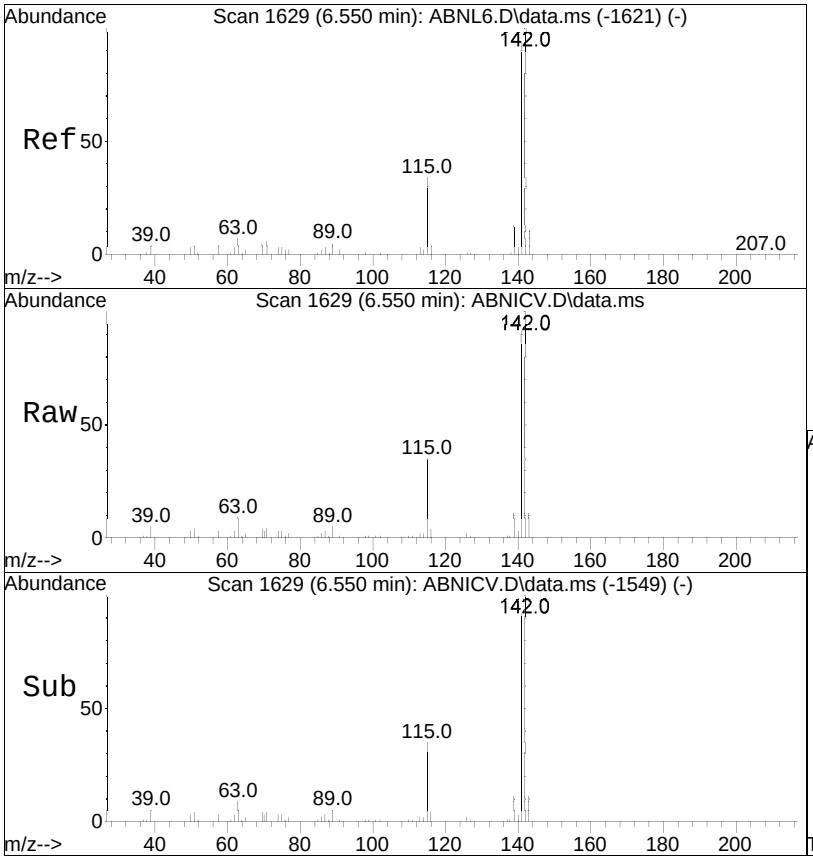


#41
2-Methylnaphthalene
Concen: 4.65 ug/ml
RT: 6.457 min Scan# 1599
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:142 Resp: 93522

Ion	Ratio	Lower	Upper
142	100		
141	92.6	69.6	104.4
115	34.2	26.6	40.0

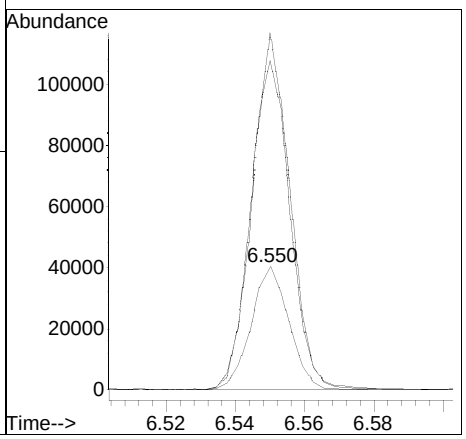


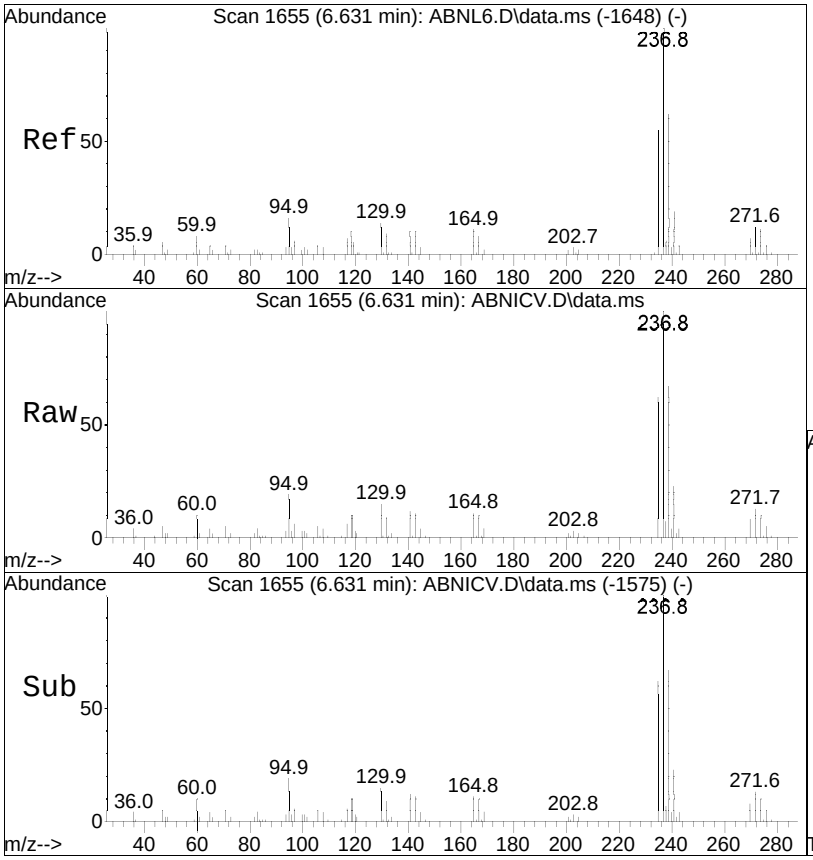


#42
1-Methylnaphthalene
Concen: 4.71 ug/ml
RT: 6.550 min Scan# 1629
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:115 Resp: 31058

Ion	Ratio	Lower	Upper
115	100		
141	273.7	207.8	311.6
142	285.4	226.8	340.2

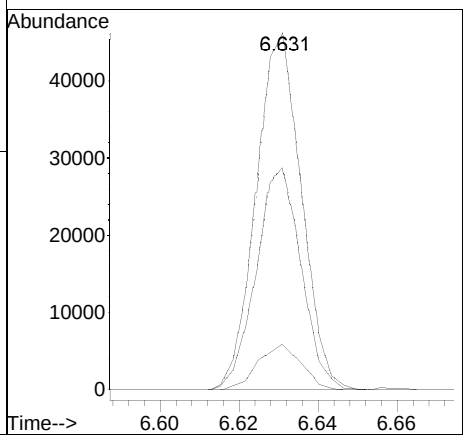


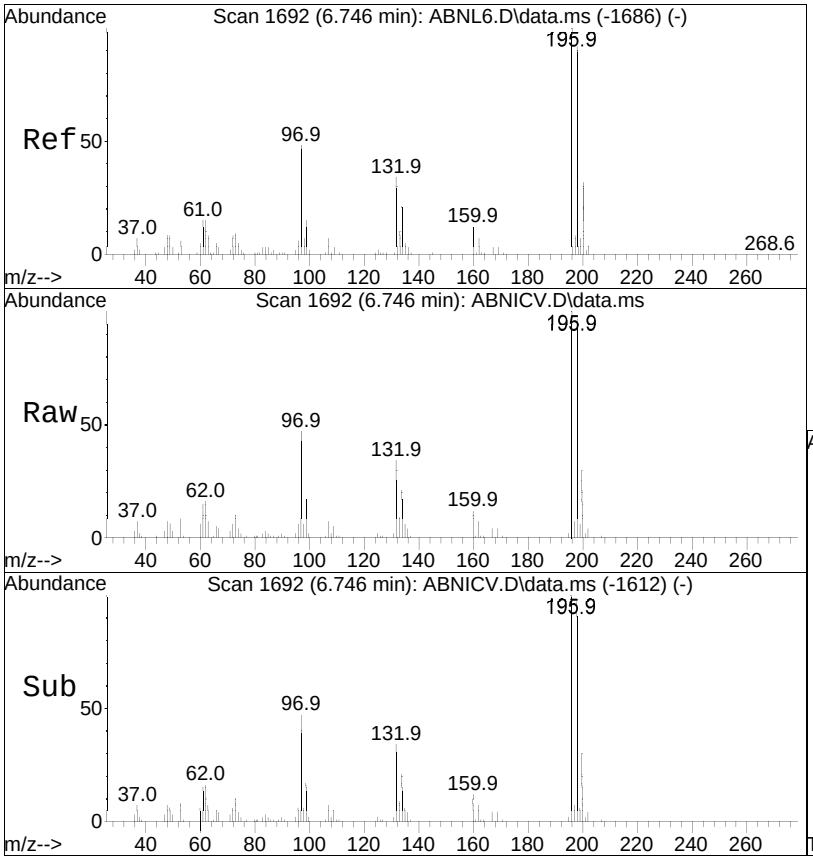


#43
Hexachlorocyclopentadiene
Concen: 4.69 ug/ml
RT: 6.631 min Scan# 1655
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:237 Resp: 36574

Ion	Ratio	Lower	Upper
237	100		
235	62.1	49.7	74.5
272	12.4	9.8	14.6

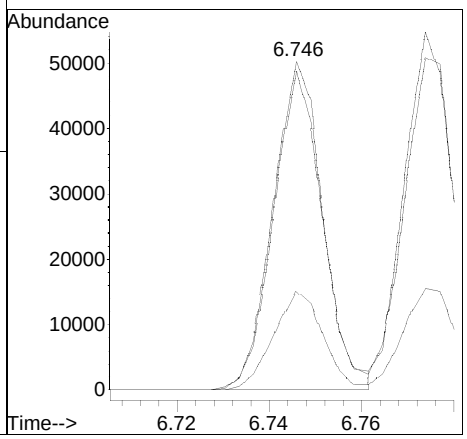


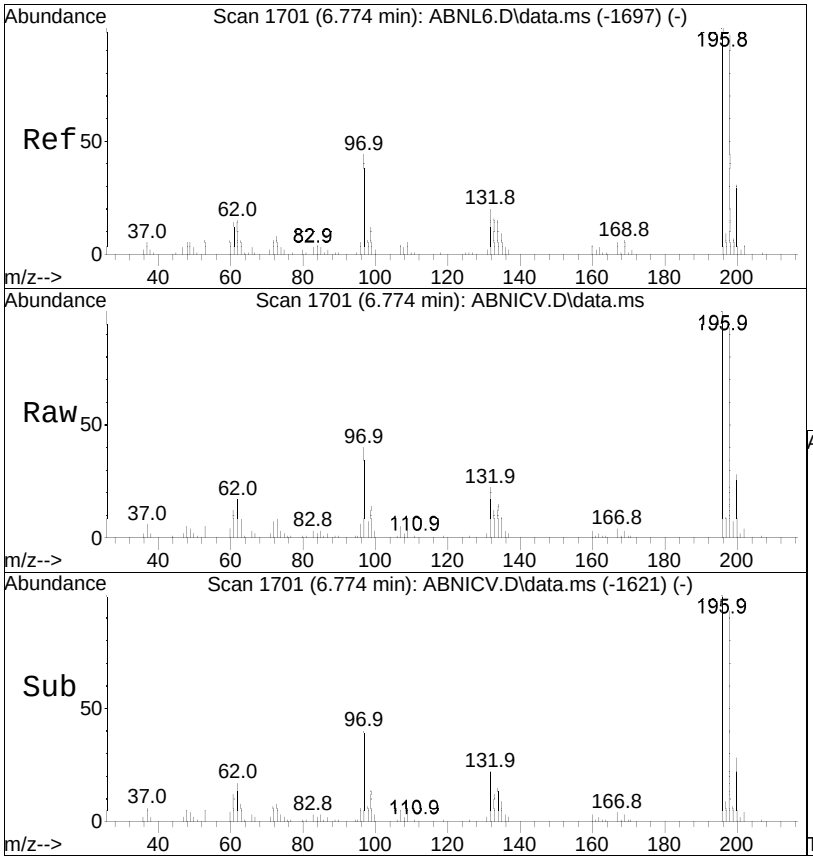


#44
2,4,6-Trichlorophenol
Concen: 4.75 ug/ml
RT: 6.746 min Scan# 1692
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:196 Resp: 37725

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.5	116.3
200	30.0	23.8	35.6

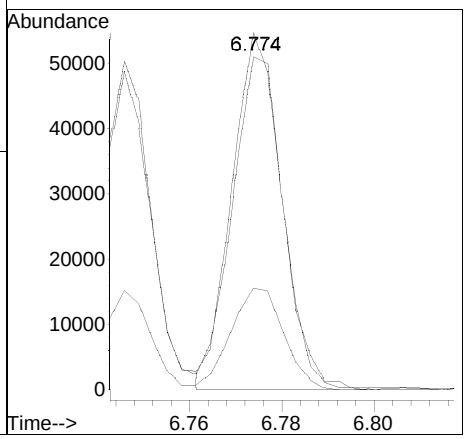


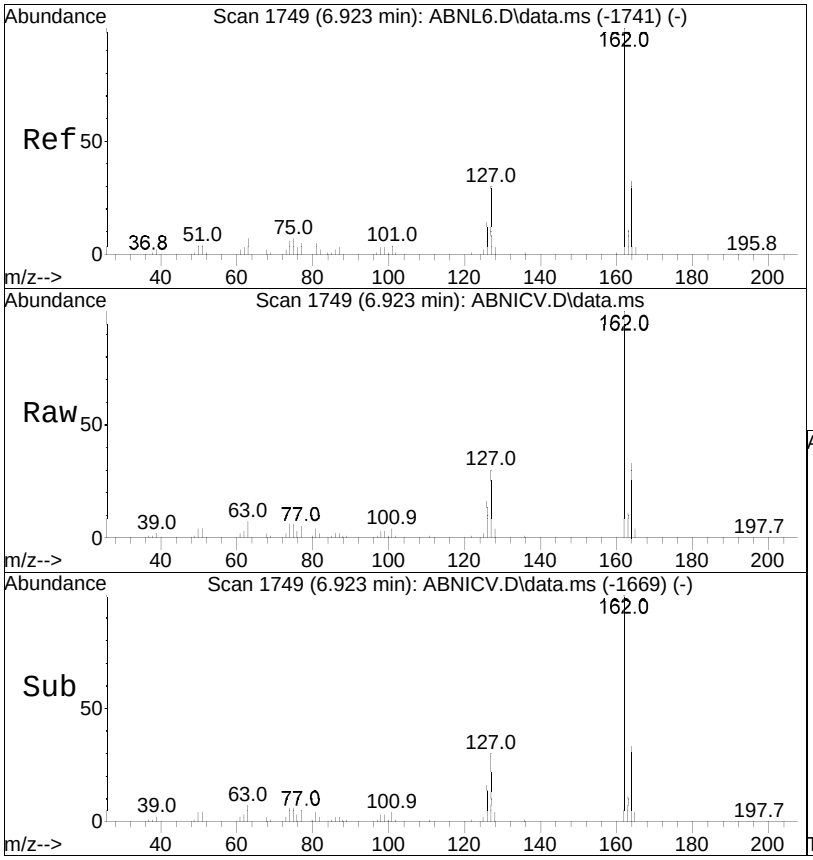


#45
2,4,5-Trichlorophenol
Concen: 4.84 ug/ml
RT: 6.774 min Scan# 1701
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:196 Resp: 41117

Ion	Ratio	Lower	Upper
196	100		
200	30.2	25.4	38.0
198	96.7	78.0	117.0

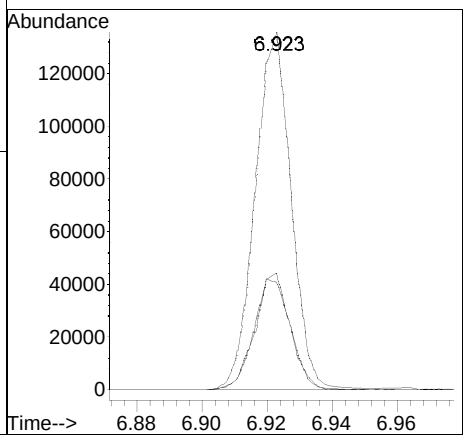


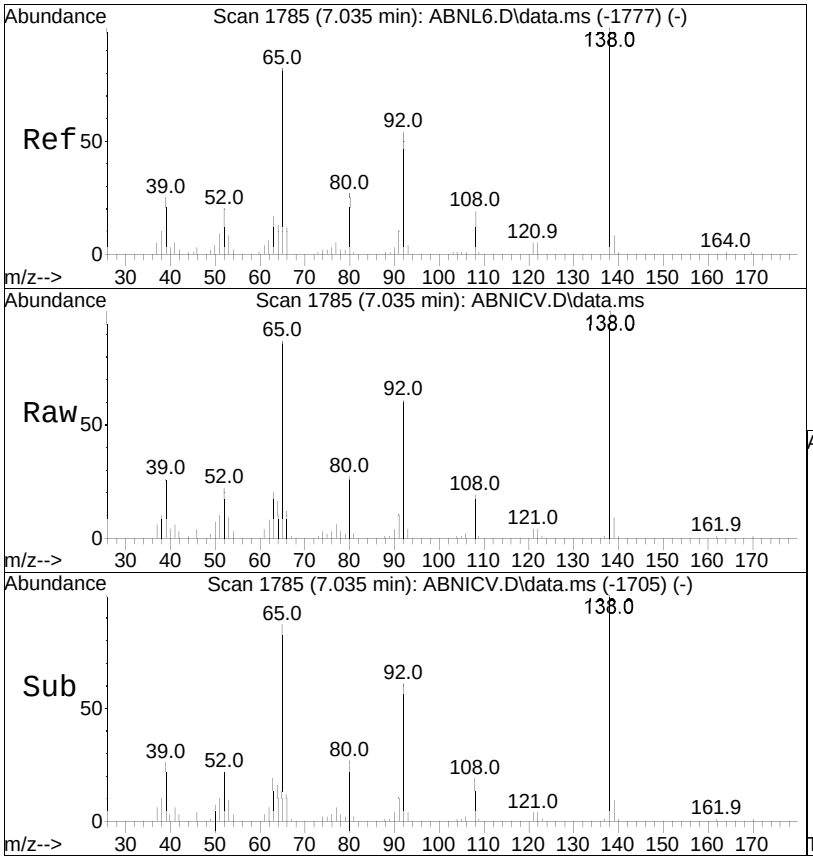


#47
2-Chloronaphthalene
Concen: 4.63 ug/ml
RT: 6.923 min Scan# 1749
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:162 Resp: 103216

Ion	Ratio	Lower	Upper
162	100		
127	31.4	32.2	48.4#
164	32.4	25.7	38.5

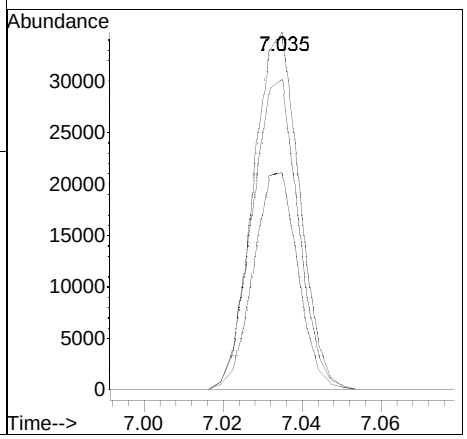


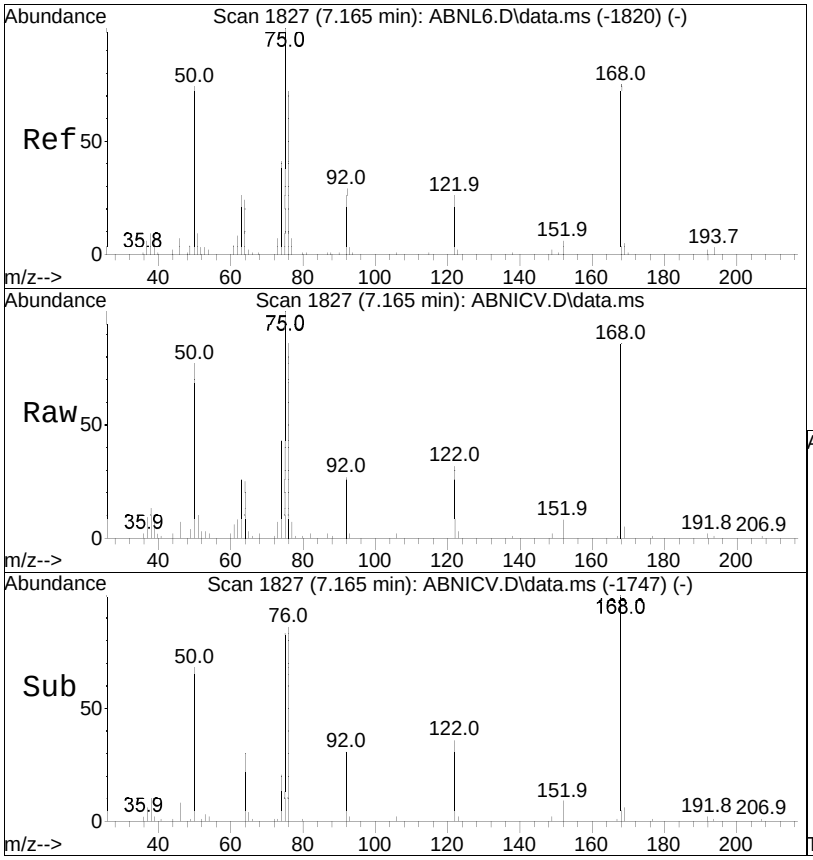


#48
2-Nitroaniline
Concen: 4.70 ug/ml
RT: 7.035 min Scan# 1785
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:138 Resp: 27916

Ion	Ratio	Lower	Upper
138	100		
92	58.8	53.5	80.3
65	86.8	86.3	129.5

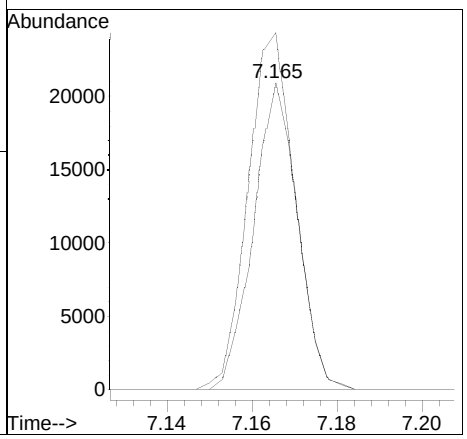


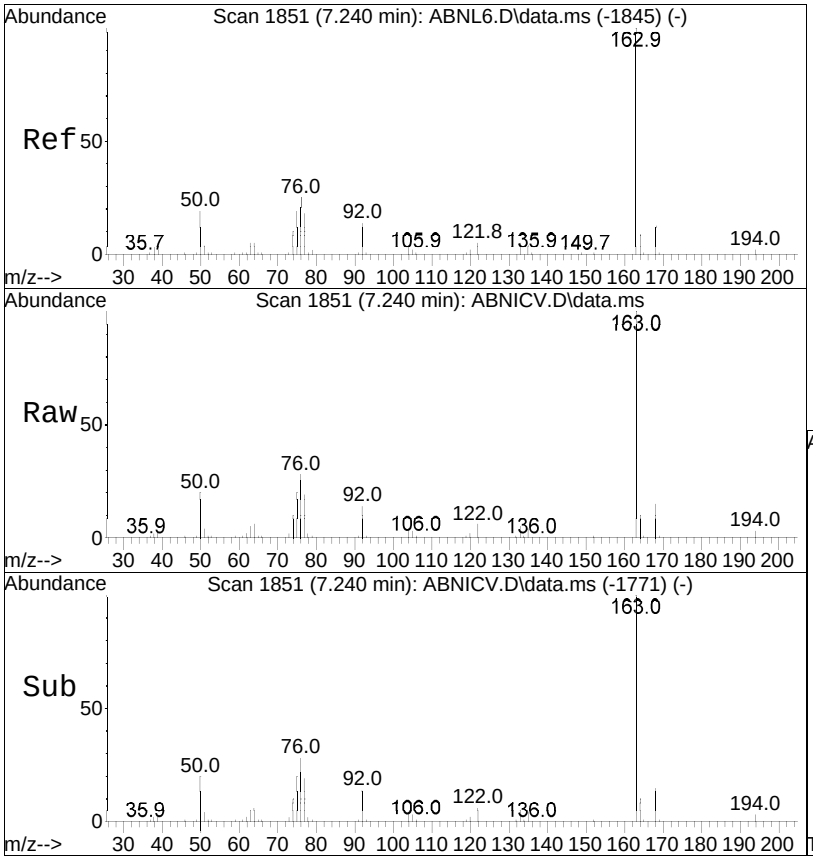


#49
1,4-Dinitrobenzene
Concen: 4.76 ug/ml
RT: 7.165 min Scan# 1827
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:168 Resp: 15031

Ion	Ratio	Lower	Upper
168	100		
75	124.1	121.8	182.8

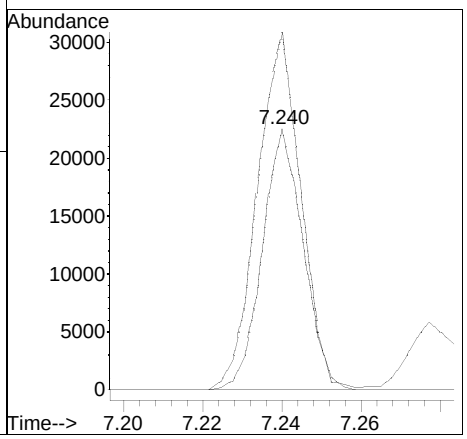


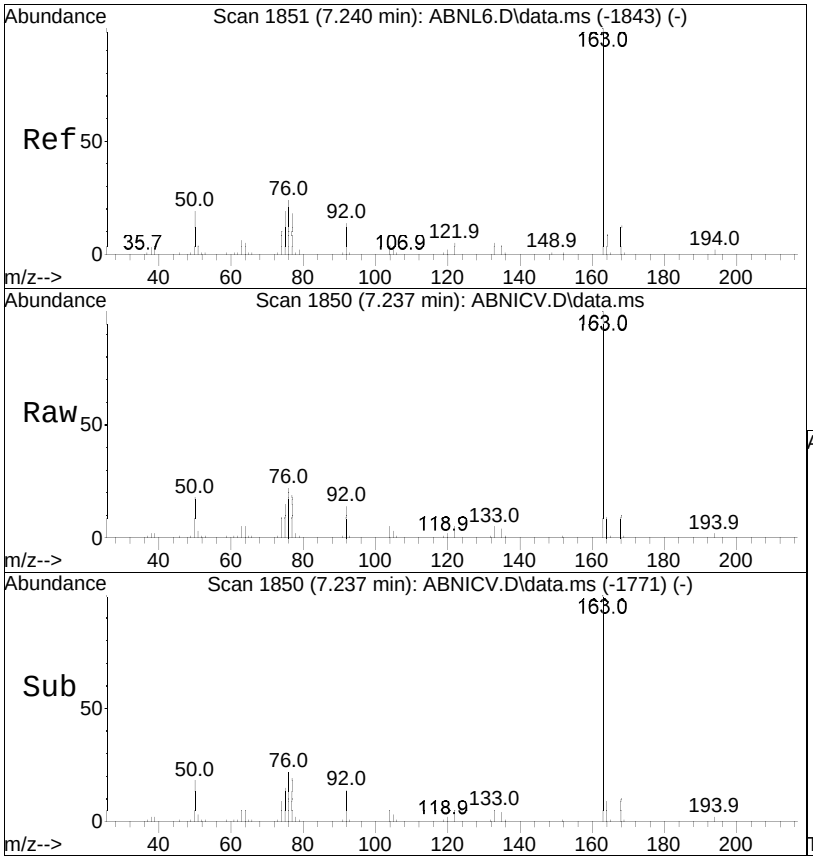


#50
1,3-Dinitrobenzene
Concen: 4.72 ug/ml
RT: 7.240 min Scan# 1851
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:168 Resp: 16051

Ion	Ratio	Lower	Upper
168	100		
75	145.5	22.7	34.1#

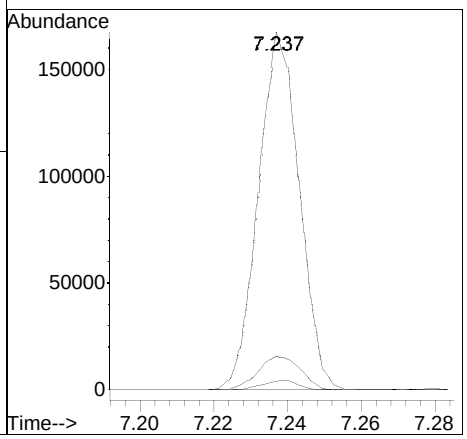


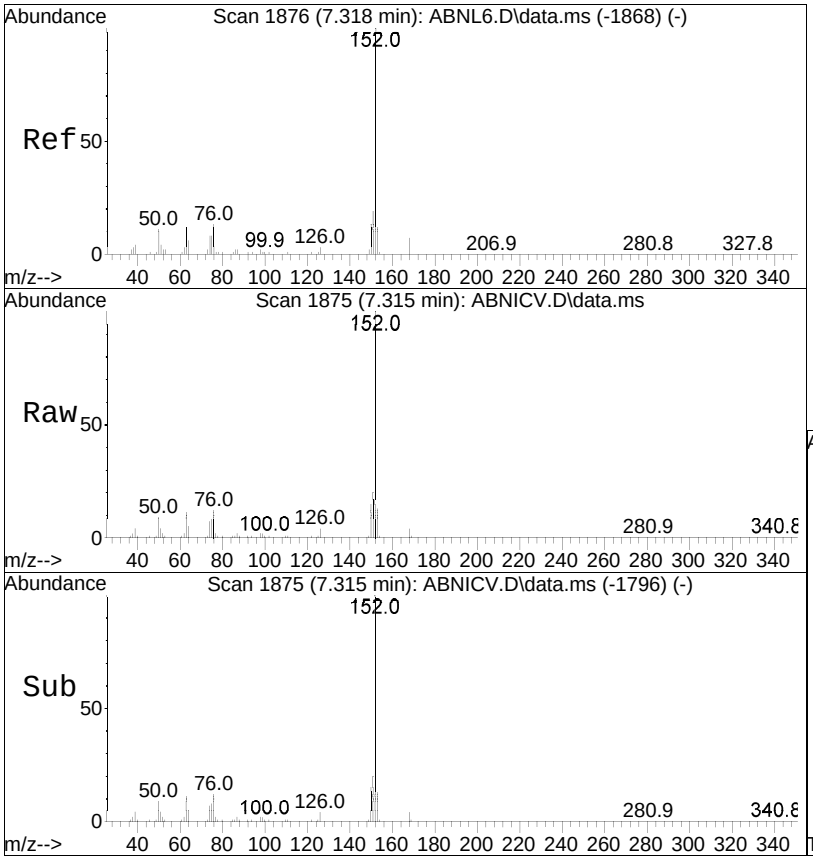


#51
Dimethyl phthalate
Concen: 4.61 ug/ml
RT: 7.237 min Scan# 1850
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:163 Resp: 127852

Ion	Ratio	Lower	Upper
163	100		
194	2.5	3.5	5.3#
164	10.0	7.9	11.9

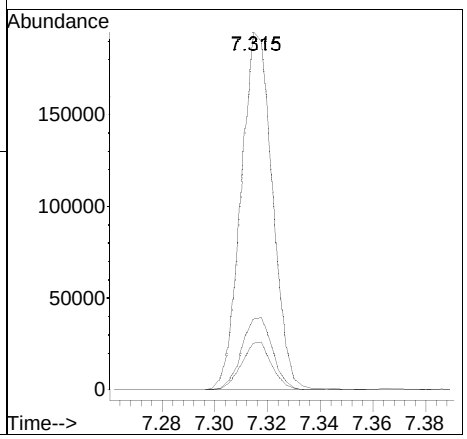


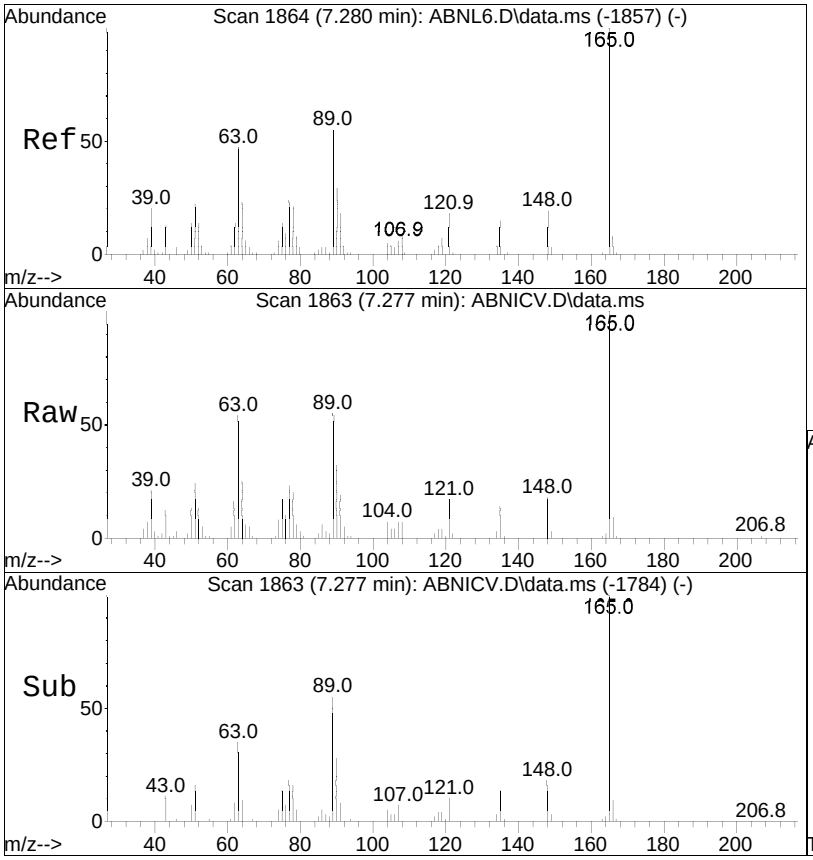


#52
Acenaphthylene
Concen: 4.81 ug/ml
RT: 7.315 min Scan# 1875
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:152 Resp: 160020

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.9	10.5	15.7

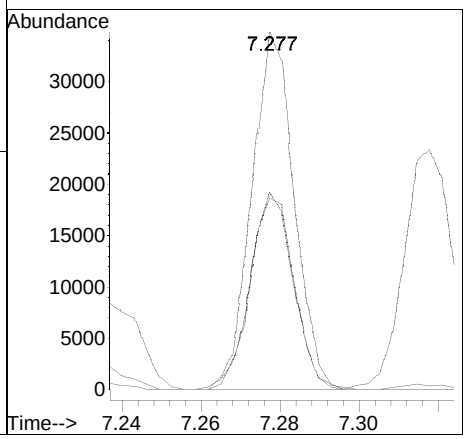


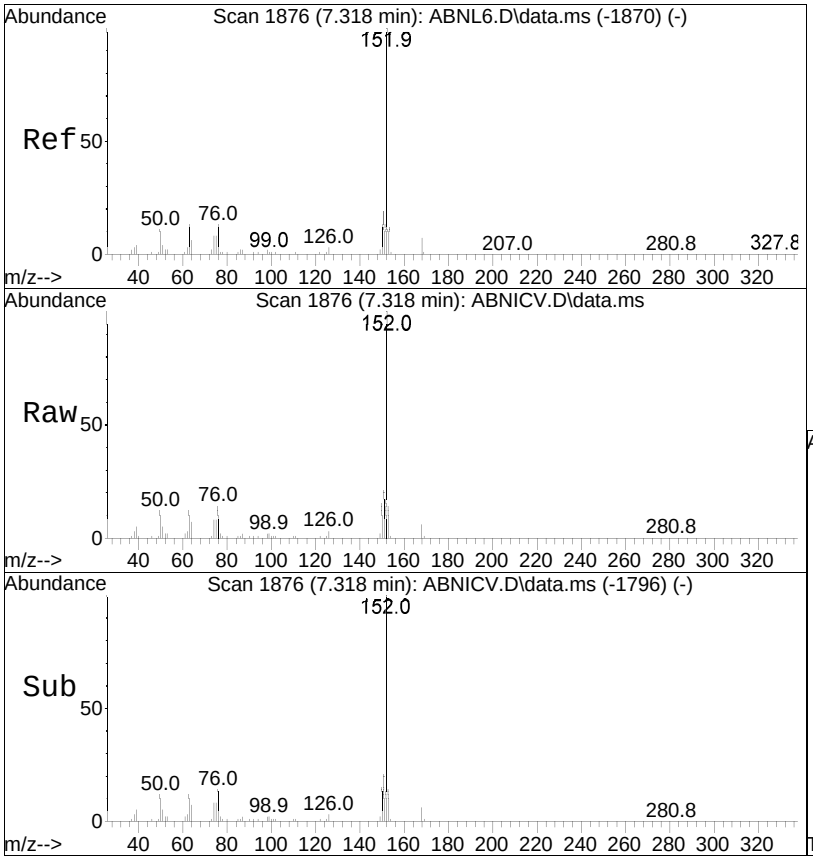


#53
2,6-Dinitrotoluene
Concen: 4.75 ug/ml
RT: 7.277 min Scan# 1863
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:165 Resp: 26005

Ion	Ratio	Lower	Upper
165	100		
89	55.5	54.2	81.2
63	56.5	64.2	96.2#

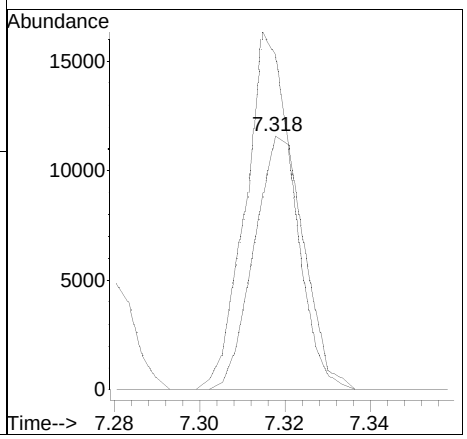


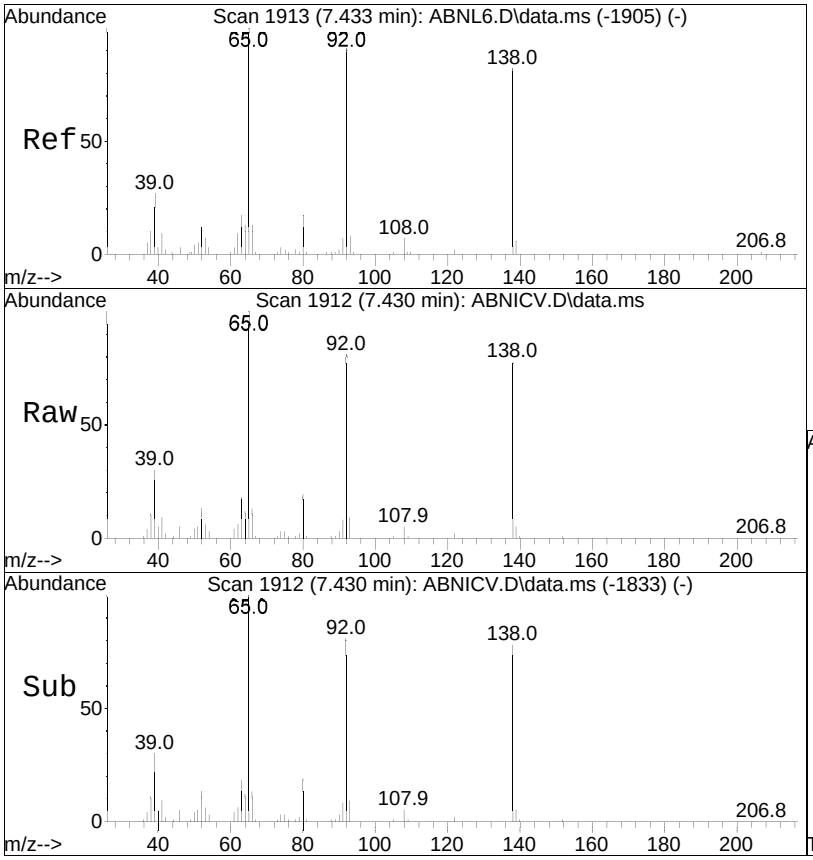


#54
1,2-Dinitrobenzene
Concen: 4.76 ug/ml
RT: 7.318 min Scan# 1876
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:168 Resp: 9488

Ion	Ratio	Lower	Upper
168	100		
75	133.2	30.9	46.3#

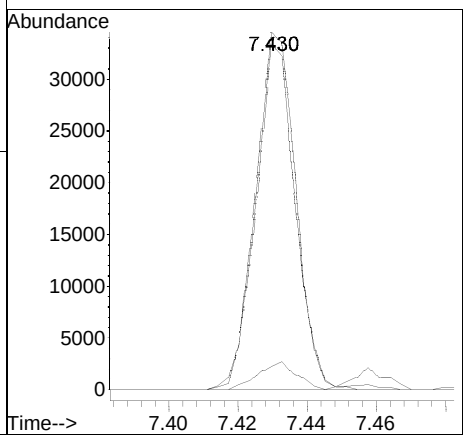


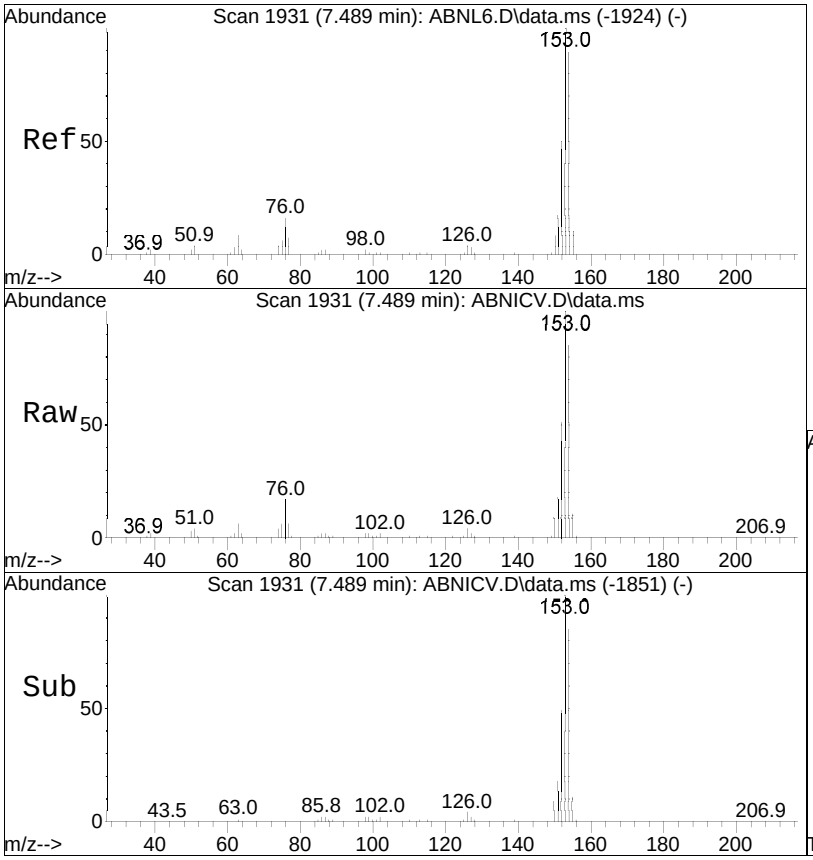


#64
3-Nitroaniline
Concen: 4.73 ug/ml
RT: 7.430 min Scan# 1912
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:138 Resp: 26142

Ion	Ratio	Lower	Upper
138	100		
92	106.3	93.4	140.2
108	7.8	9.5	14.3#

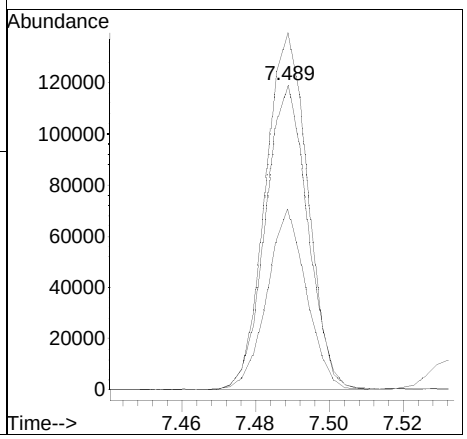


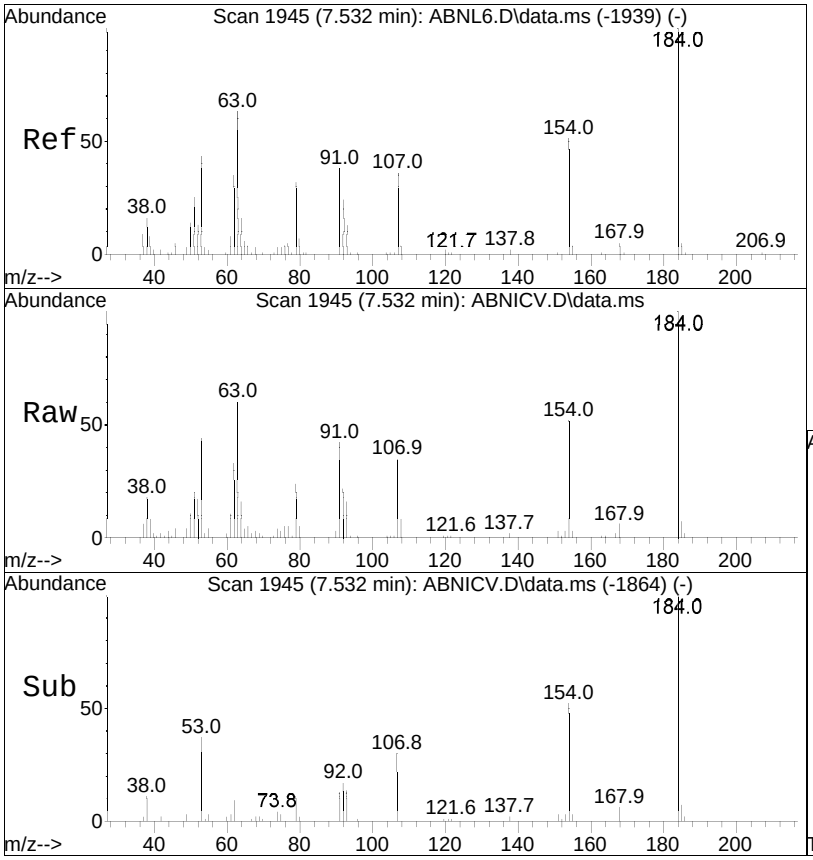


#65
Acenaphthene
Concen: 4.71 ug/ml
RT: 7.489 min Scan# 1931
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:154 Resp: 94690

Ion	Ratio	Lower	Upper
154	100		
153	117.5	85.3	127.9
152	56.4	41.4	62.0

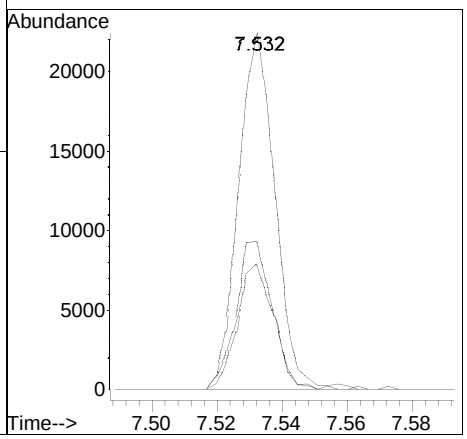


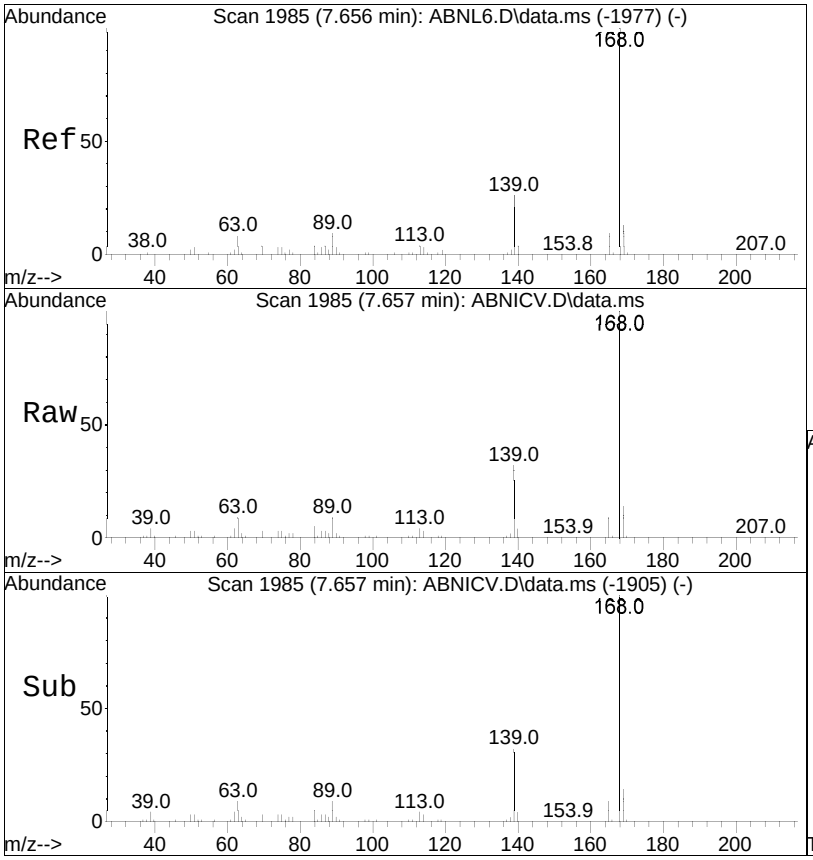


#66
2,4-Dinitrophenol
Concen: 4.40 ug/ml
RT: 7.532 min Scan# 1945
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:184 Resp: 17404

Ion	Ratio	Lower	Upper
184	100		
107	35.0	37.7	56.5#
91	41.7	46.3	69.5#

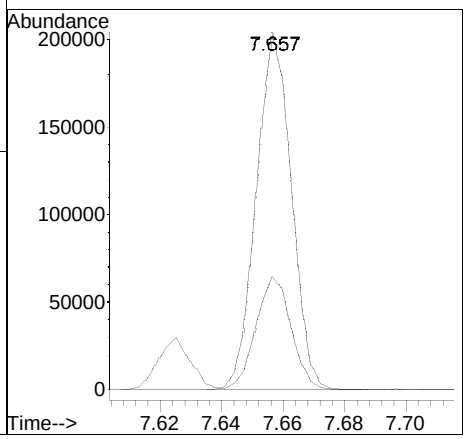


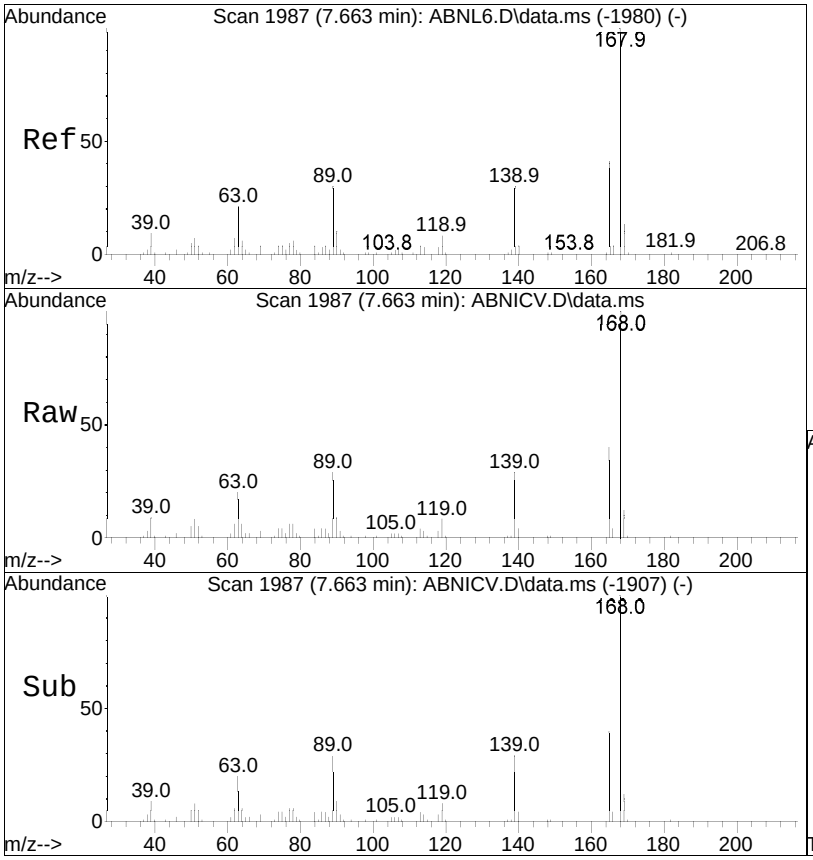


#67
Dibenzofuran
Concen: 4.52 ug/ml
RT: 7.657 min Scan# 1985
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:168 Resp: 160164

Ion	Ratio	Lower	Upper
168	100		
139	31.7	31.4	47.2

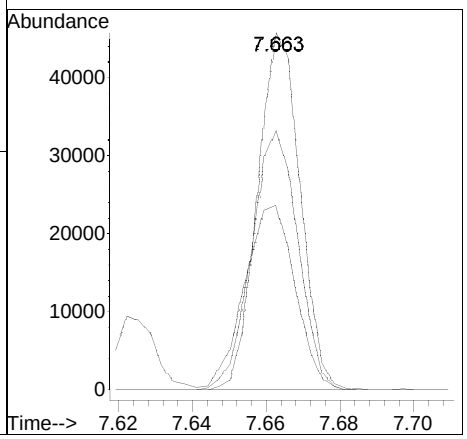


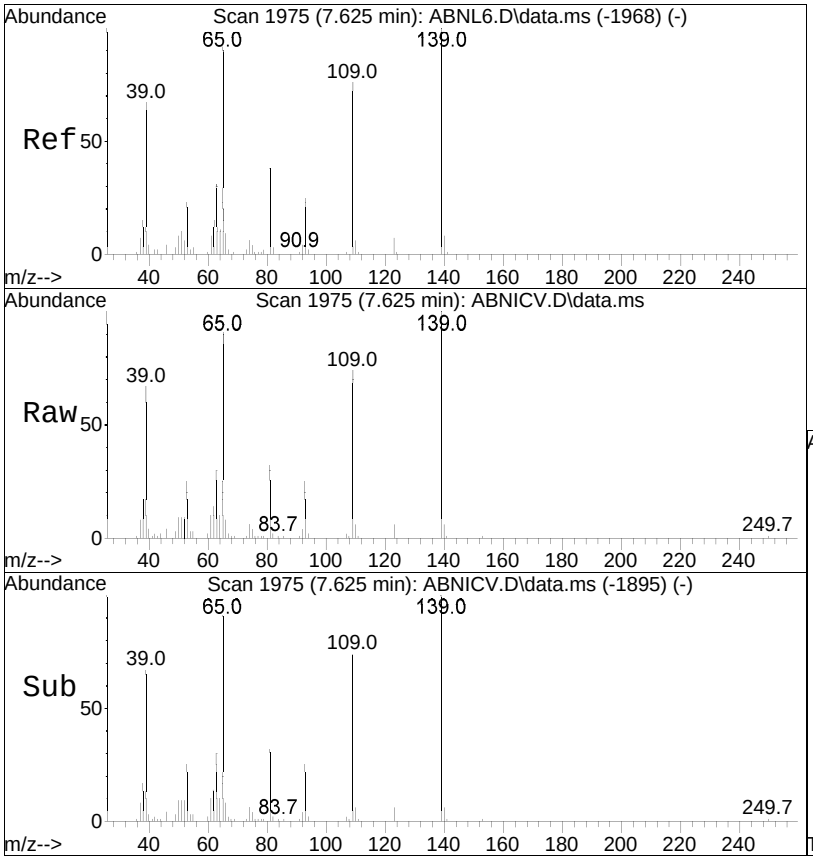


#68
2,4-Dinitrotoluene
Concen: 4.84 ug/ml
RT: 7.663 min Scan# 1987
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:165 Resp: 36363

Ion	Ratio	Lower	Upper
165	100		
89	79.0	72.0	108.0
63	61.9	52.7	79.1

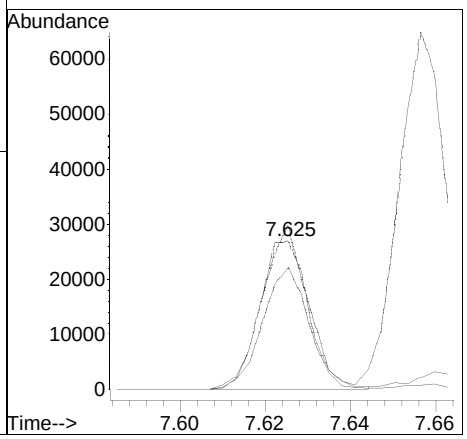


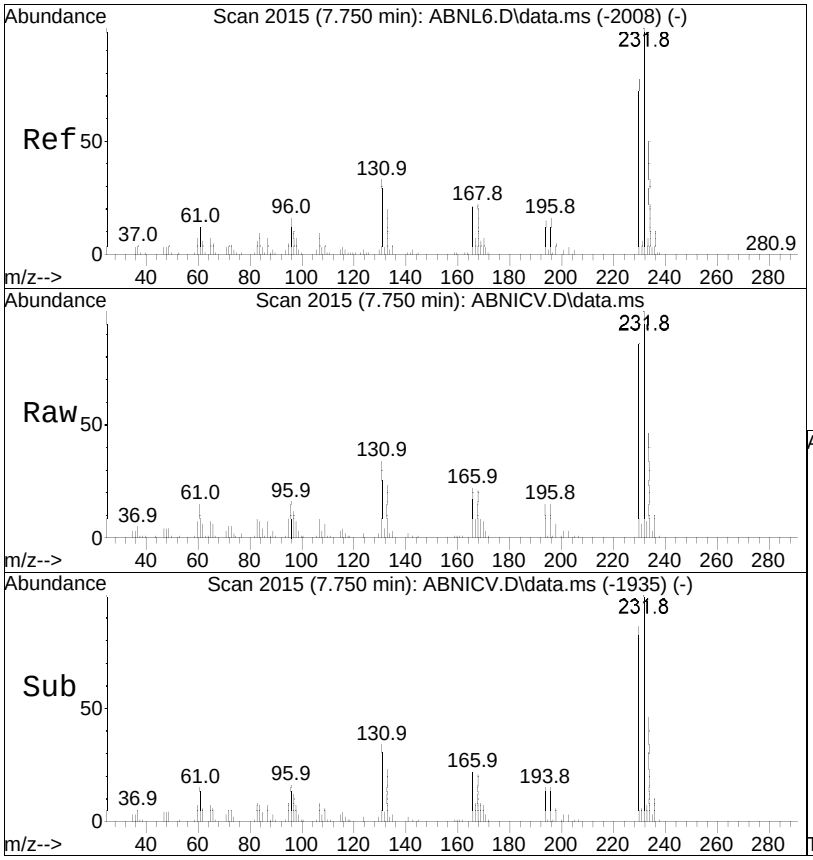


#69
4-Nitrophenol
Concen: 4.69 ug/ml
RT: 7.625 min Scan# 1975
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 65 Resp: 21715

Ion	Ratio	Lower	Upper
65	100		
109	77.1	47.4	71.2#
139	101.3	76.6	115.0

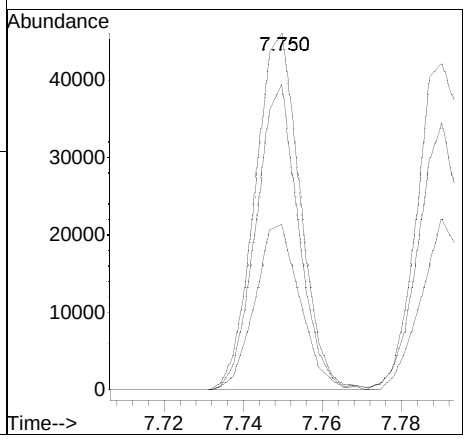


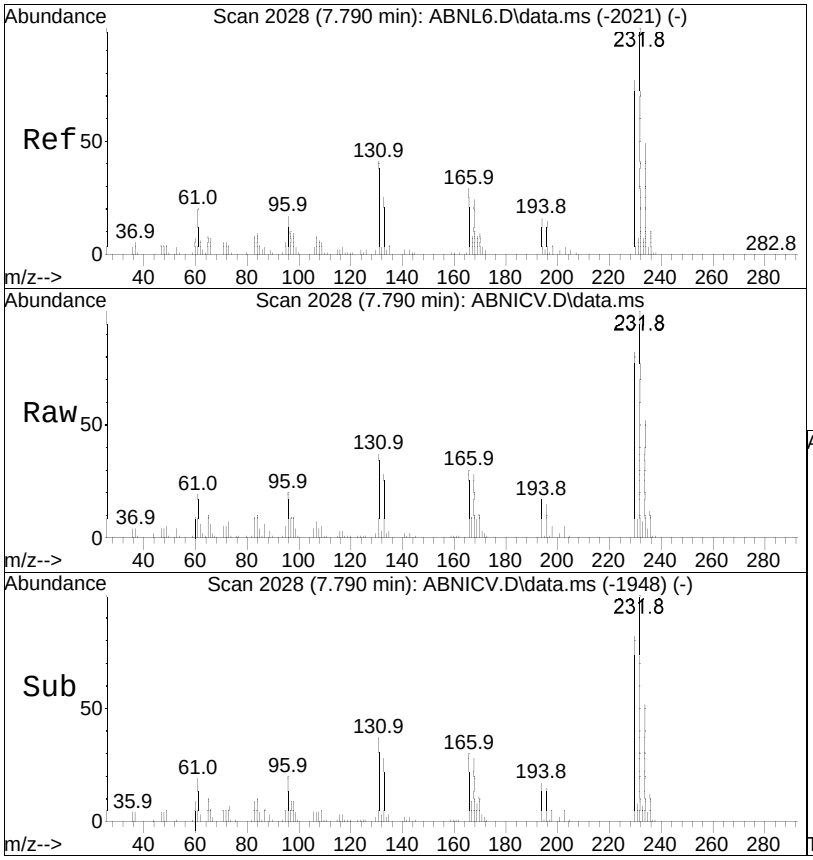


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.60 ug/ml
RT: 7.750 min Scan# 2015
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:232 Resp: 36554

Ion	Ratio	Lower	Upper
232	100		
230	80.8	64.2	96.4
234	46.5	38.1	57.1

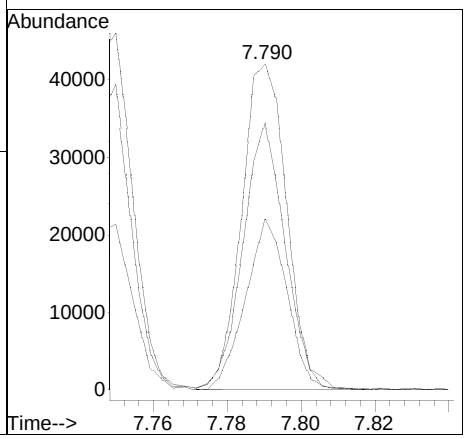


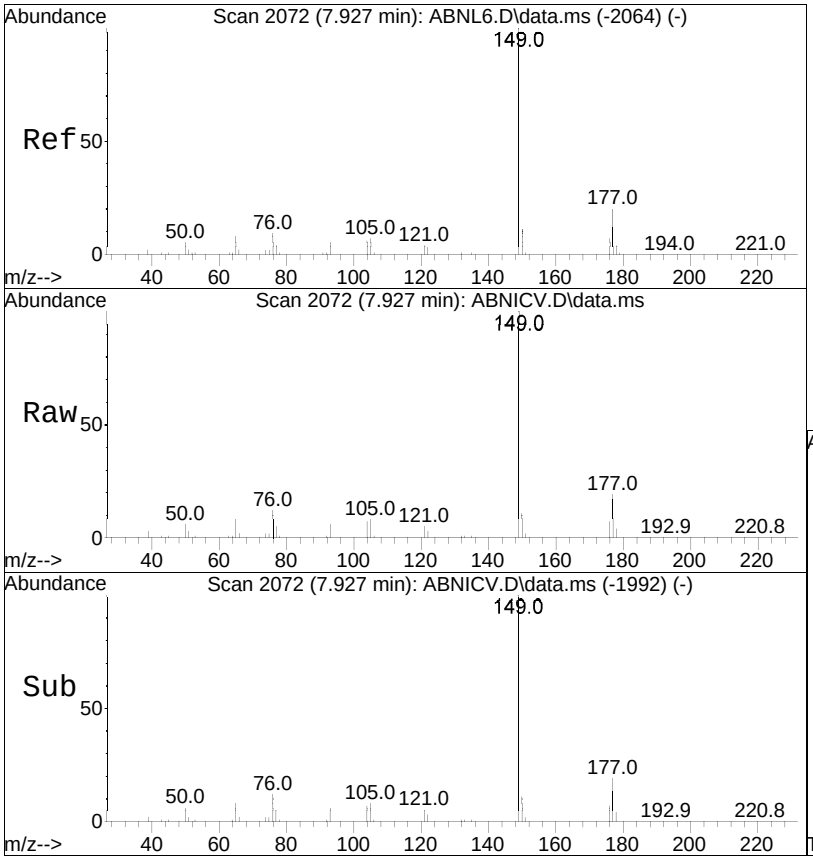


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.75 ug/ml
RT: 7.790 min Scan# 2028
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:232 Resp: 35428

Ion	Ratio	Lower	Upper
232	100		
230	77.5	61.8	92.8
234	49.4	36.2	54.2

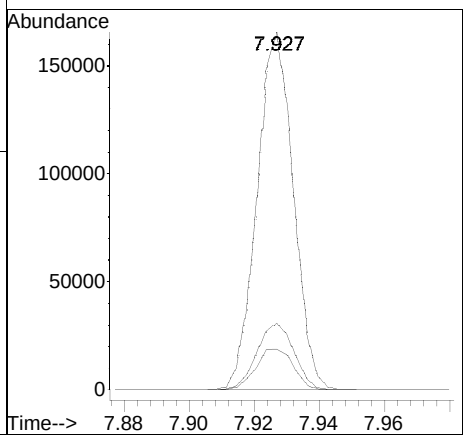


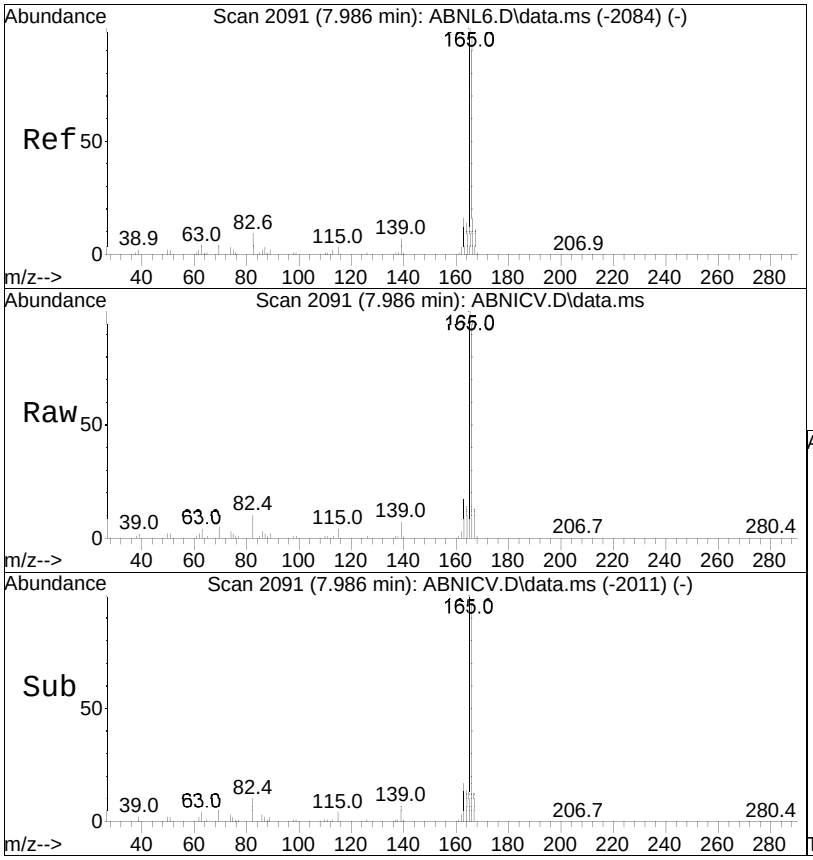


#72
Diethyl phthalate
Concen: 4.41 ug/ml
RT: 7.927 min Scan# 2072
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:149 Resp: 126509

Ion	Ratio	Lower	Upper
149	100		
177	19.2	16.1	24.1
150	12.0	9.4	14.2

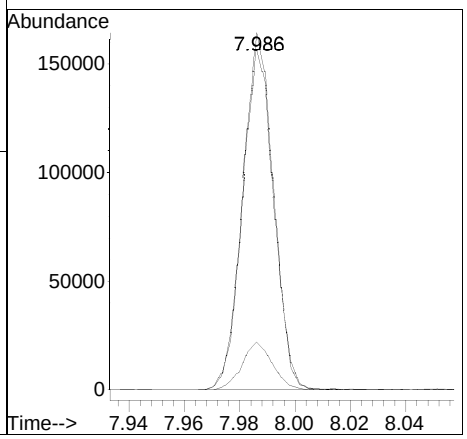


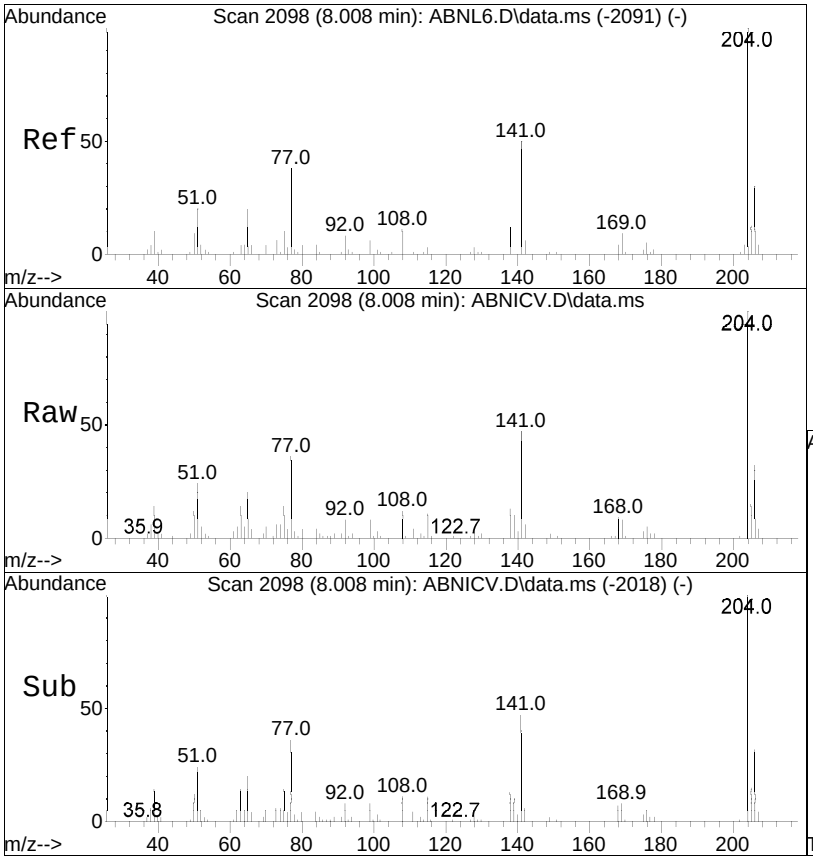


#73
Fluorene
Concen: 4.57 ug/ml
RT: 7.986 min Scan# 2091
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:166 Resp: 123038

Ion	Ratio	Lower	Upper
166	100		
165	103.4	76.2	114.2
167	13.8	10.6	15.8

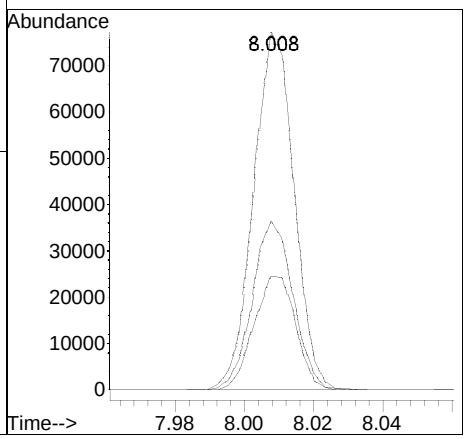


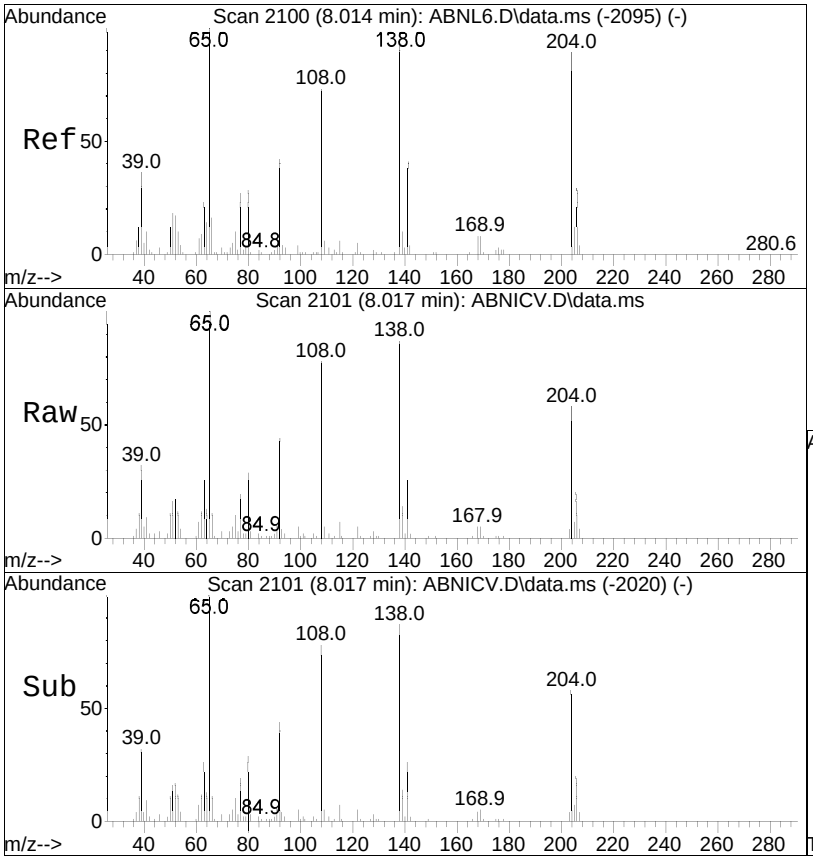


#74
4-Chlorophenyl phenyl ether
Concen: 4.54 ug/ml
RT: 8.008 min Scan# 2098
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:204 Resp: 62368

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	47.6	53.6	80.4#

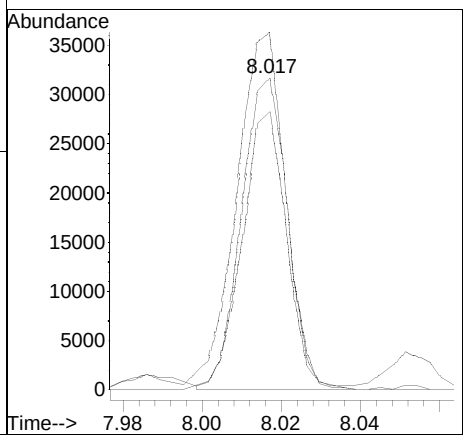


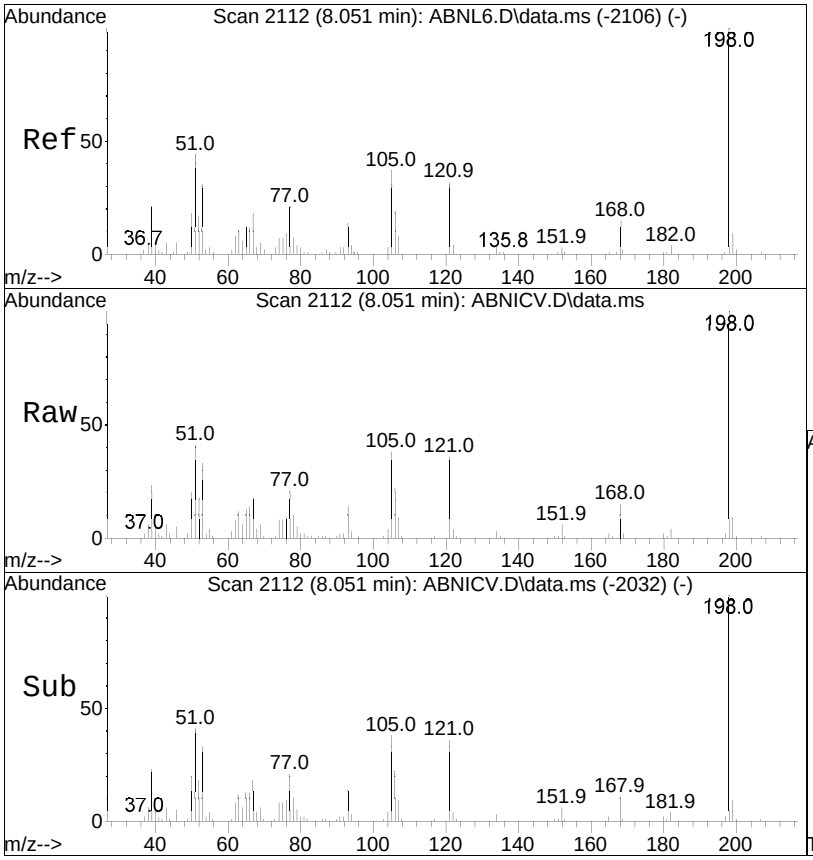


#75
4-Nitroaniline
Concen: 4.69 ug/ml
RT: 8.017 min Scan# 2101
Delta R.T. 0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:138 Resp: 25535

Ion	Ratio	Lower	Upper
138	100		
108	86.5	52.1	78.1#
65	122.0	115.0	172.6

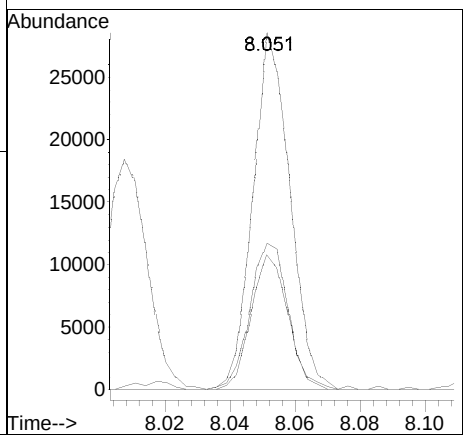


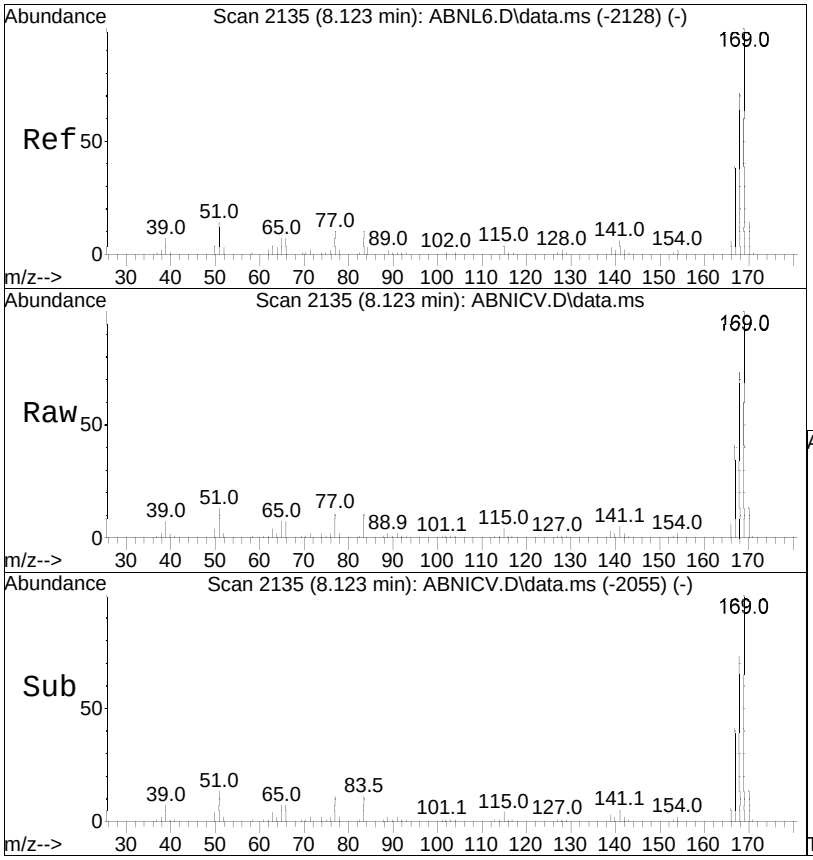


#76
4,6-Dinitro-o-cresol
Concen: 4.76 ug/ml
RT: 8.051 min Scan# 2112
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:198 Resp: 22581

Ion	Ratio	Lower	Upper
198	100		
51	42.5	76.0	114.0#
105	37.3	45.6	68.4#

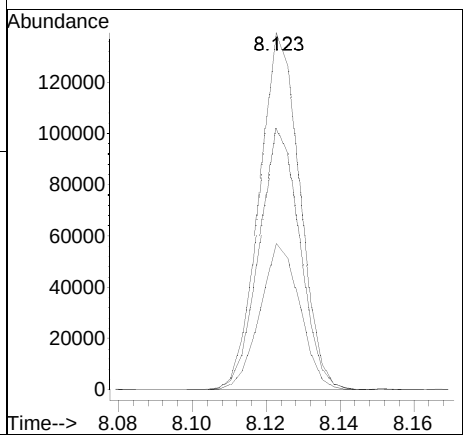


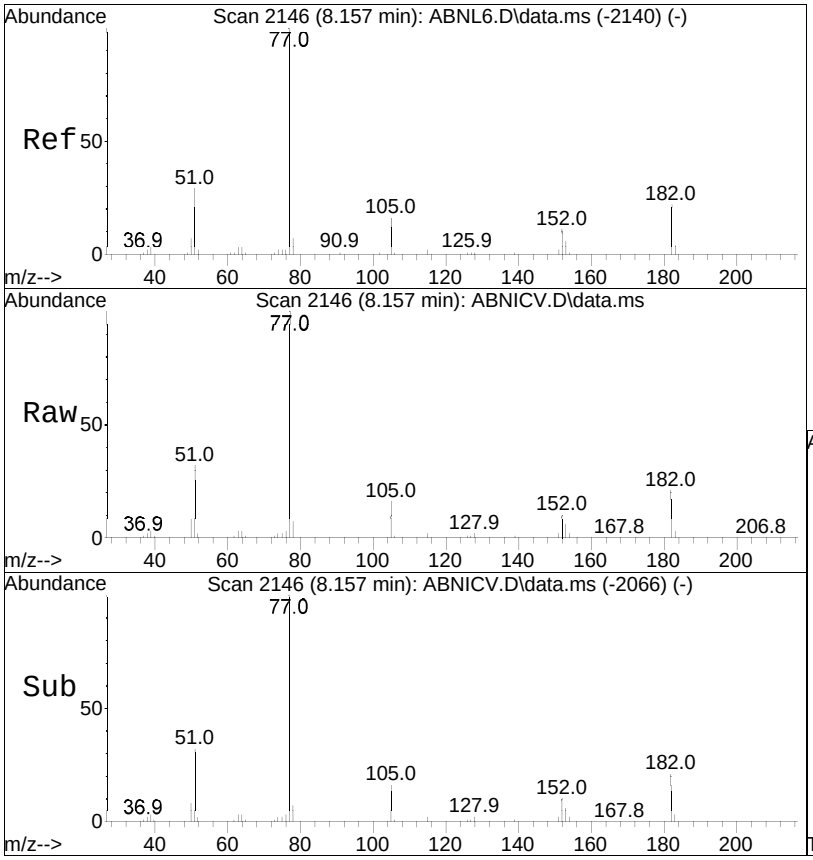


#77
NDPA/DPA
Concen: 4.58 ug/ml
RT: 8.123 min Scan# 2135
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:169 Resp: 105835

Ion	Ratio	Lower	Upper
169	100		
168	73.9	54.0	81.0
167	40.6	28.6	42.8

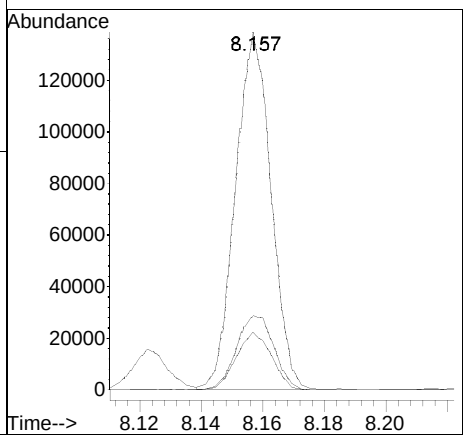


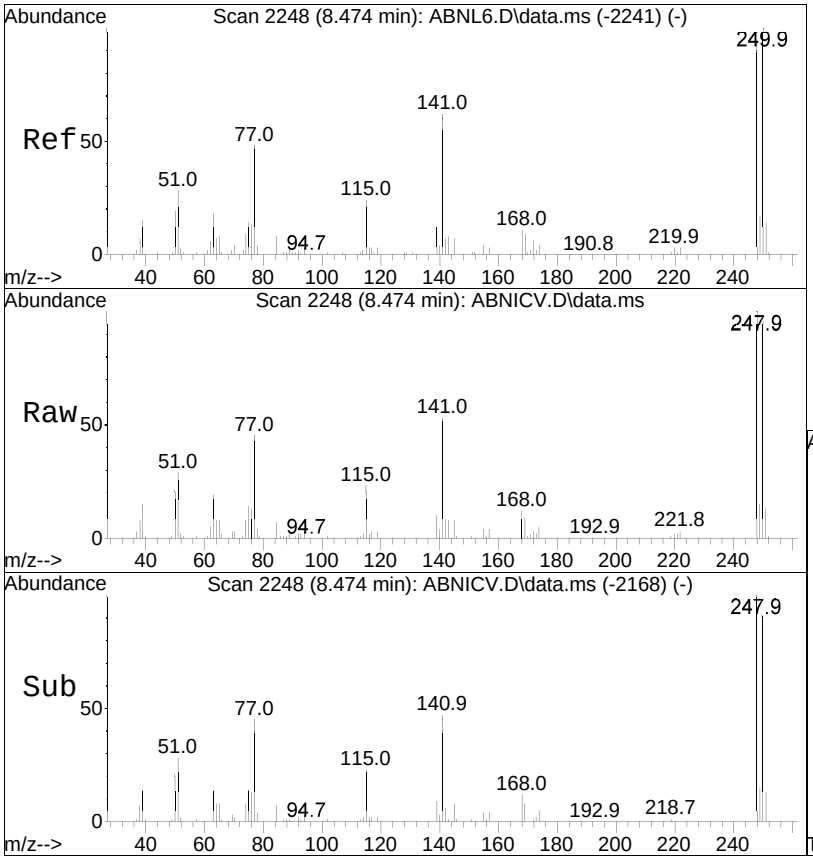


#78
Azobenzene
Concen: 4.74 ug/ml
RT: 8.157 min Scan# 2146
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion: 77 Resp: 110365

Ion	Ratio	Lower	Upper
77	100		
182	22.0	17.4	26.2
105	16.1	15.4	23.2

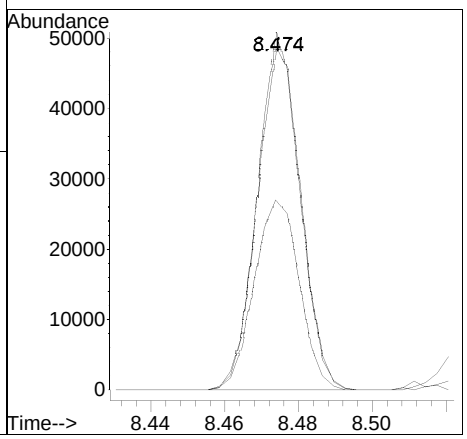


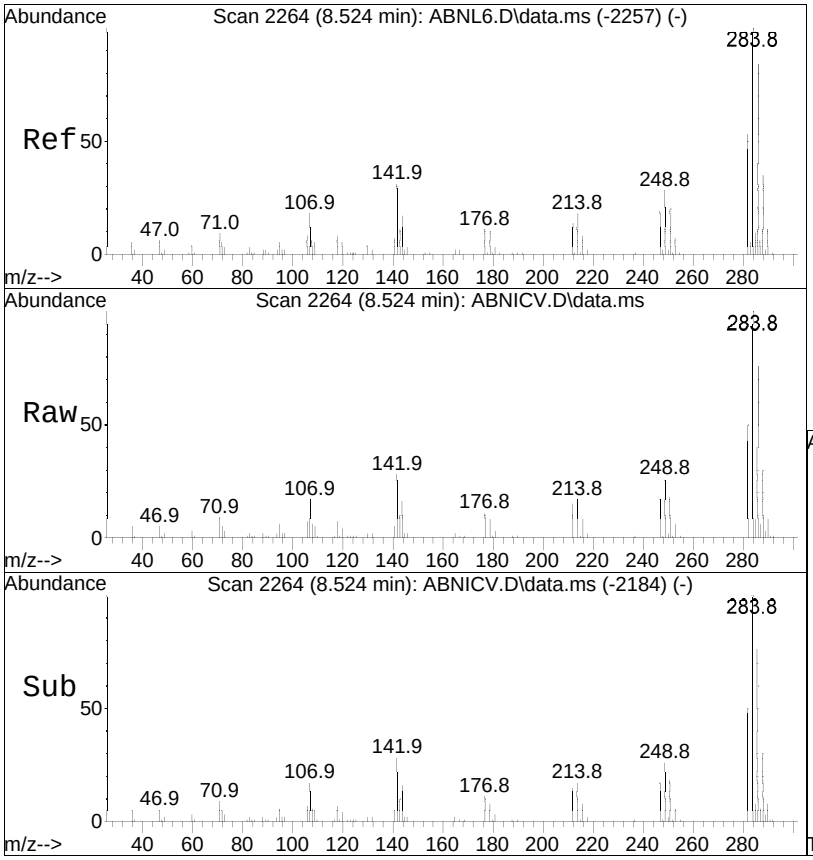


#80
4-Bromophenyl phenyl ether
Concen: 4.37 ug/ml
RT: 8.474 min Scan# 2248
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:248 Resp: 39895

Ion	Ratio	Lower	Upper
248	100		
141	57.0	76.6	114.8#
250	99.8	77.3	115.9

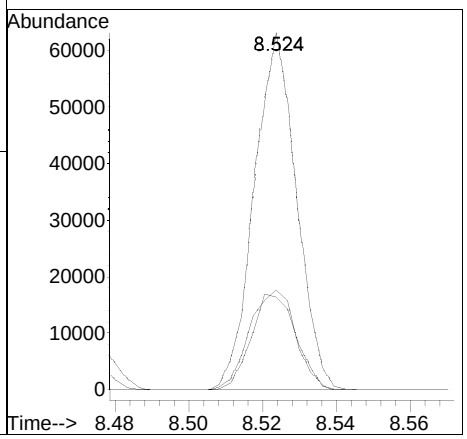


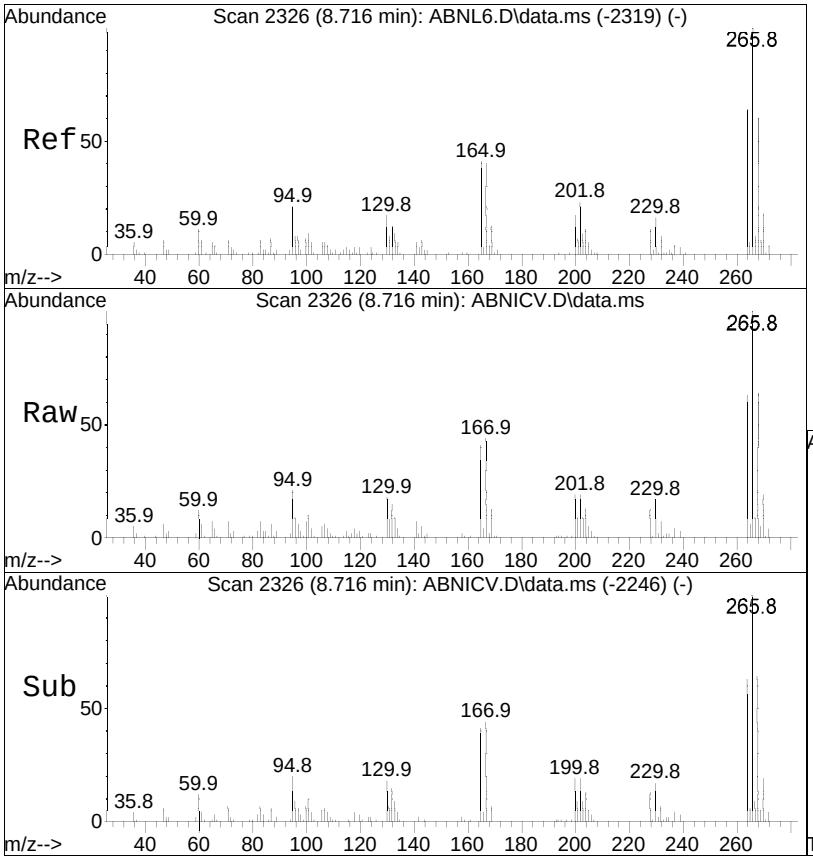


#81
Hexachlorobenzene
Concen: 4.41 ug/ml
RT: 8.524 min Scan# 2264
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:284 Resp: 50000

Ion	Ratio	Lower	Upper
284	100		
142	30.7	41.9	62.9#
249	28.7	24.1	36.1

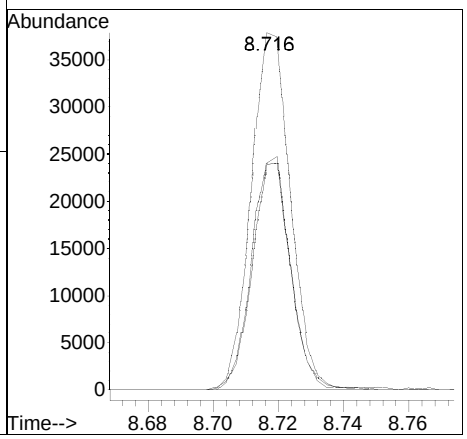


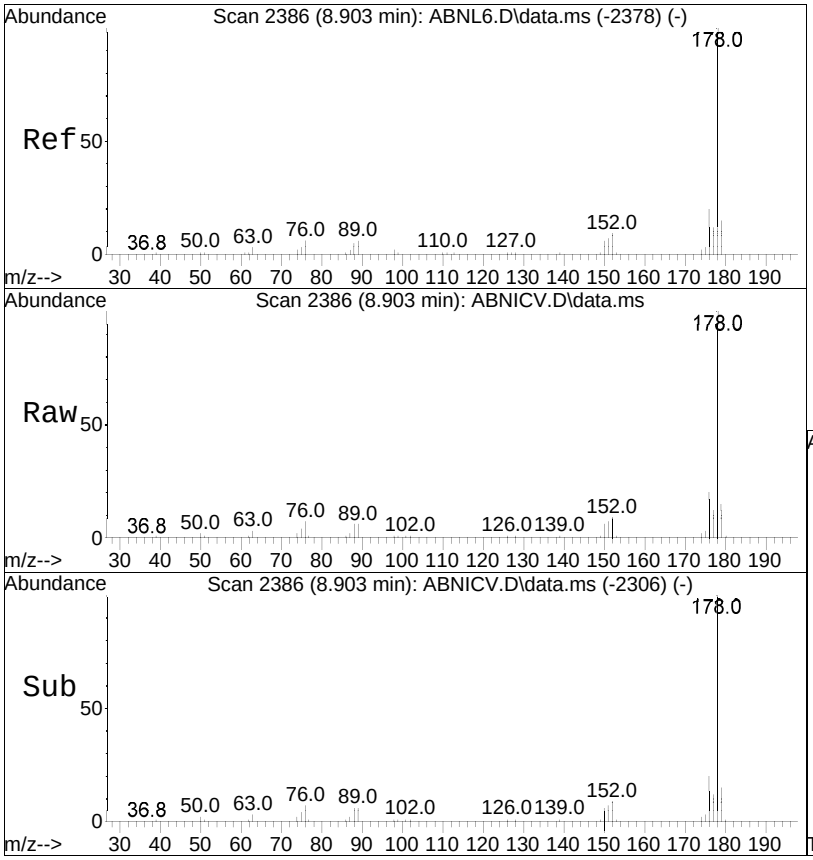


#82
Pentachlorophenol
Concen: 4.65 ug/ml
RT: 8.716 min Scan# 2326
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:266 Resp: 31883

Ion	Ratio	Lower	Upper
266	100		
264	61.6	49.7	74.5
268	64.5	50.5	75.7

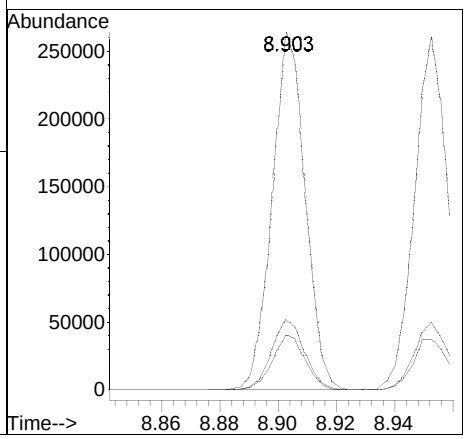


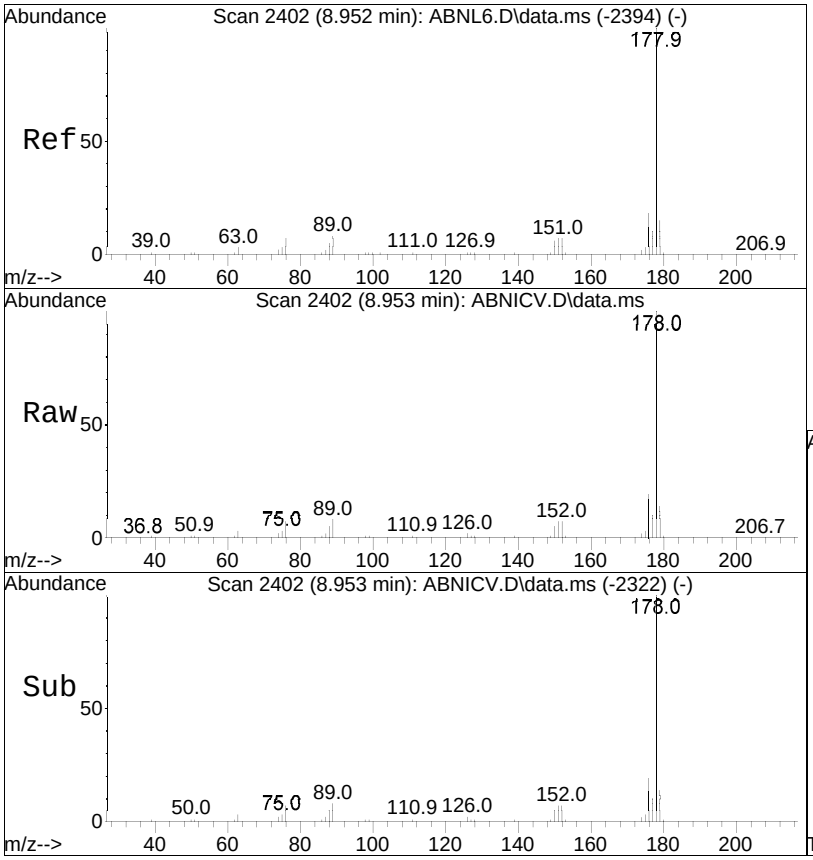


#89
Phenanthrene
Concen: 4.54 ug/ml
RT: 8.903 min Scan# 2386
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:178 Resp: 207829

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.7	15.4	23.2

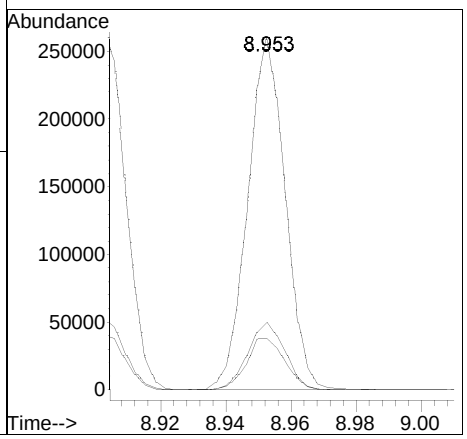


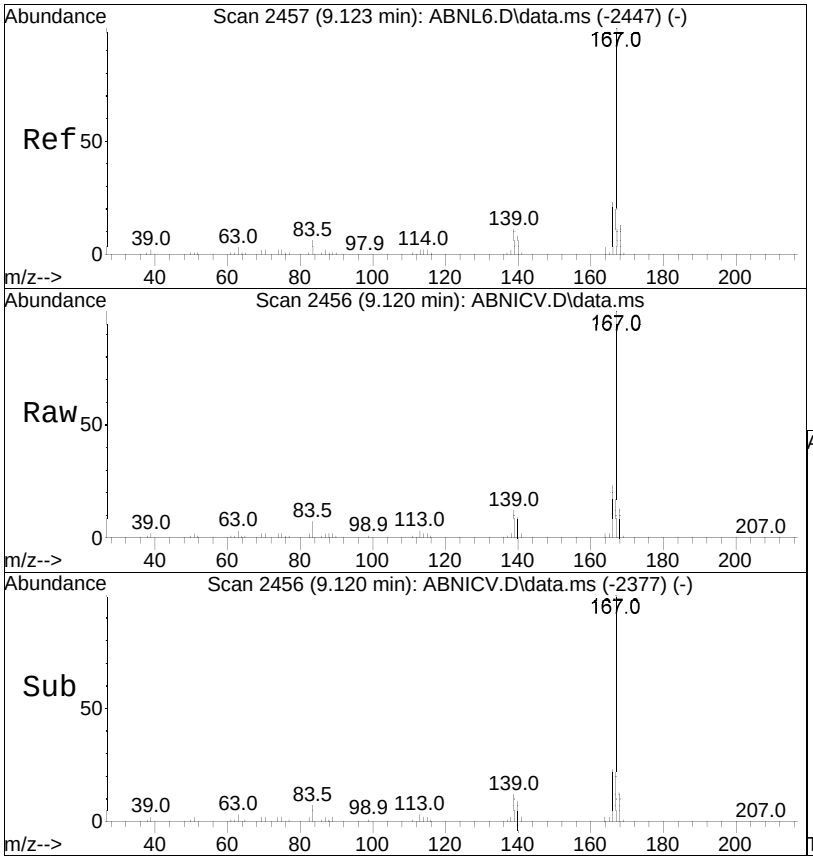


#90
Anthracene
Concen: 4.71 ug/ml
RT: 8.953 min Scan# 2402
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:178 Resp: 208056

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.0	18.0
176	19.1	14.6	22.0

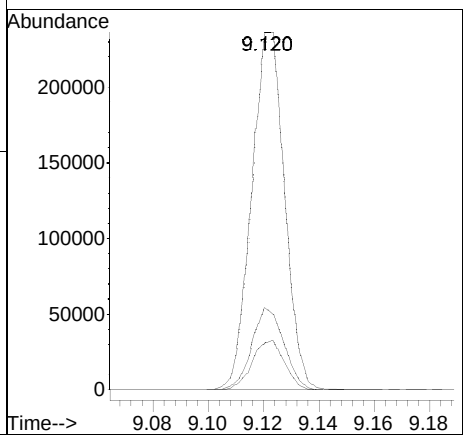


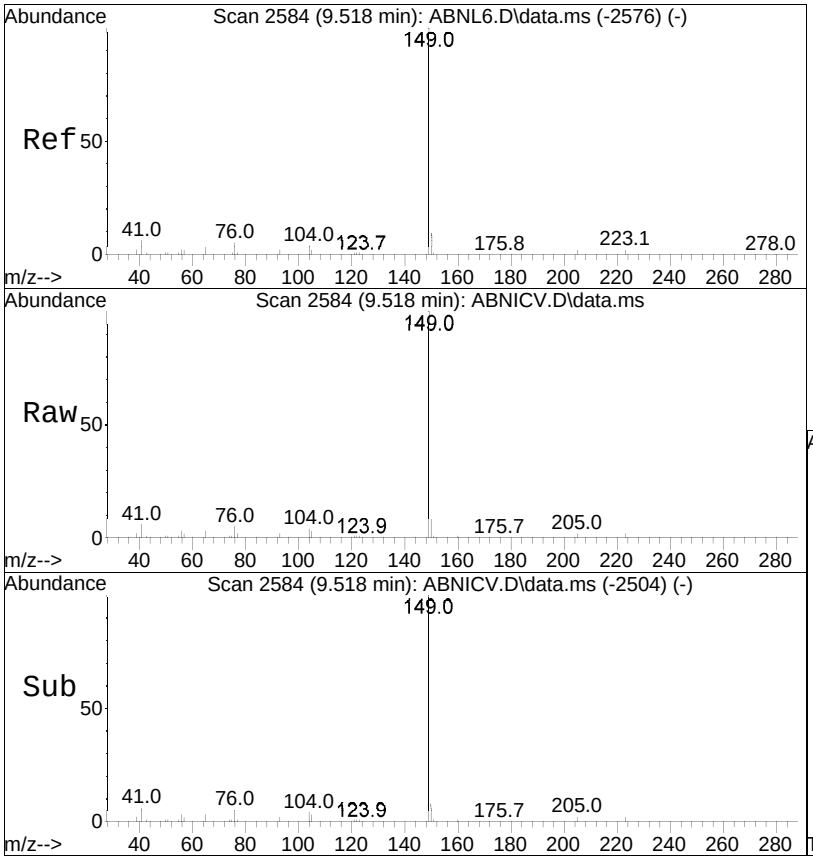


#91
Carbazole
Concen: 4.63 ug/ml
RT: 9.120 min Scan# 2456
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:167 Resp: 193451

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.6	15.8
166	22.5	17.4	26.0

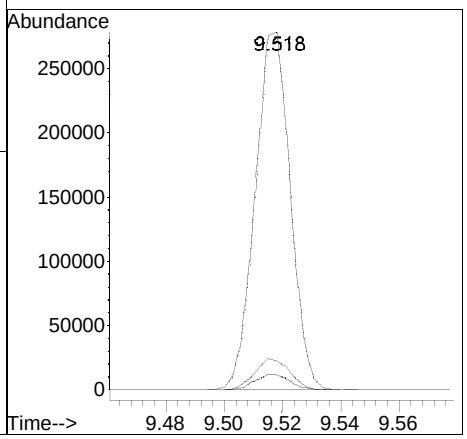


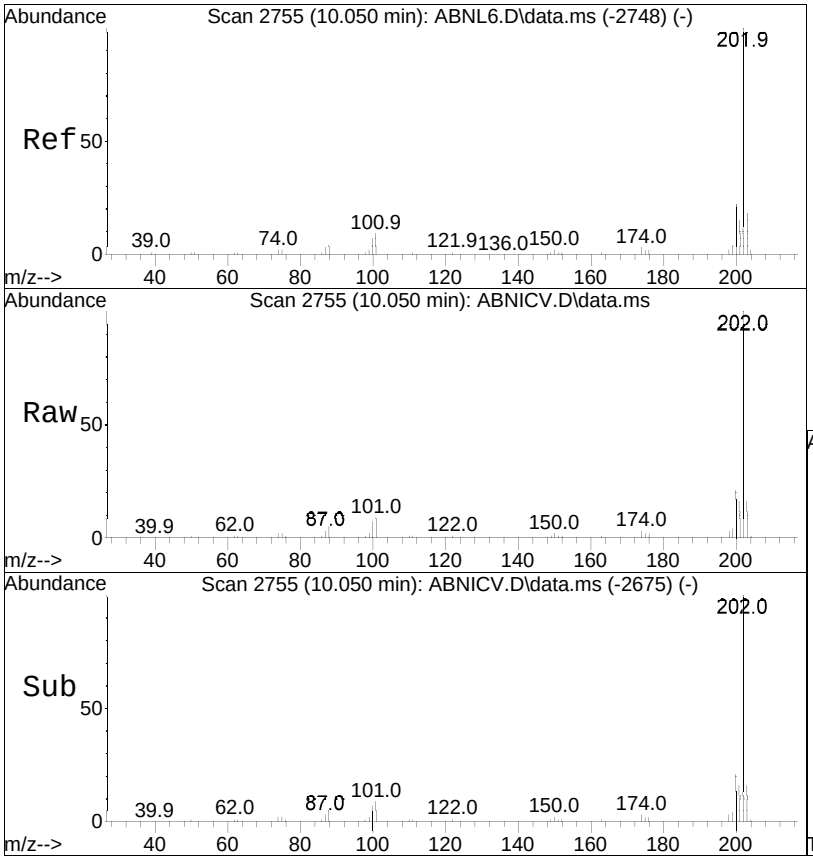


#92
Di-n-butylphthalate
Concen: 4.79 ug/ml
RT: 9.518 min Scan# 2584
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:149 Resp: 229888

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.5	4.5	6.7

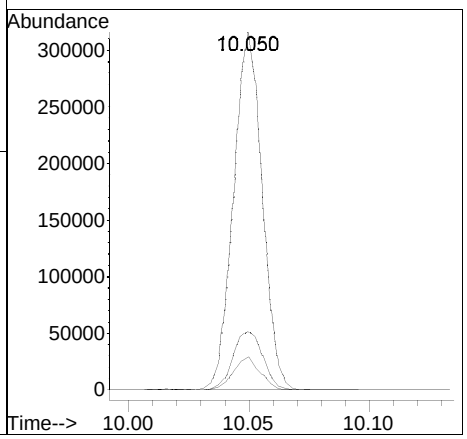


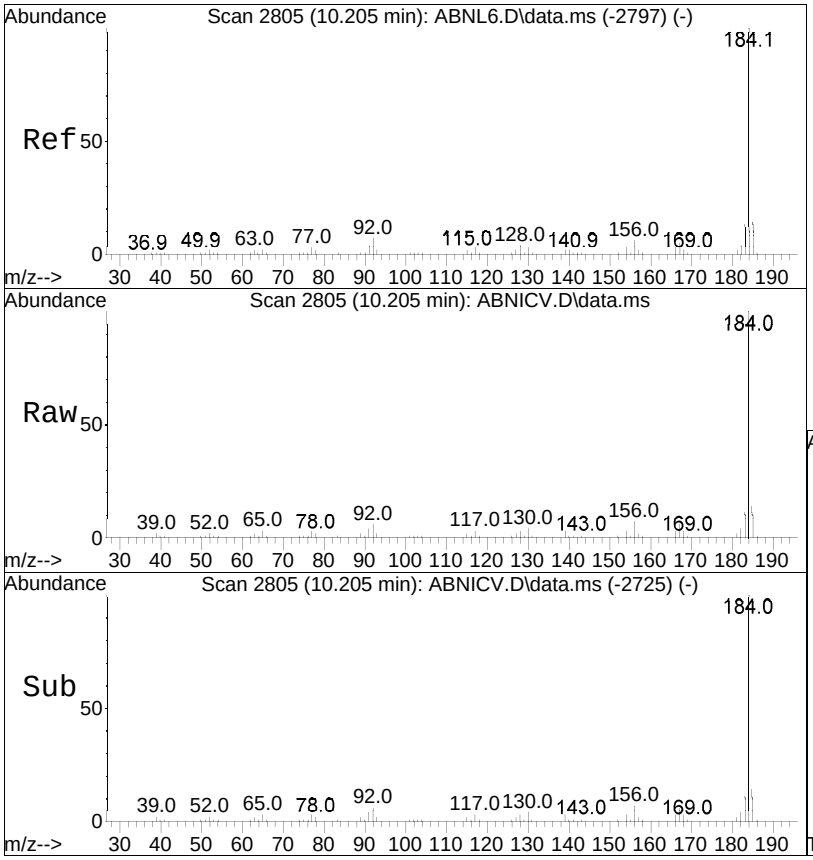


#93
Fluoranthene
Concen: 4.66 ug/ml
RT: 10.050 min Scan# 2755
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:202 Resp: 259812

Ion	Ratio	Lower	Upper
202	100		
101	8.7	13.5	20.3#
203	17.1	13.6	20.4

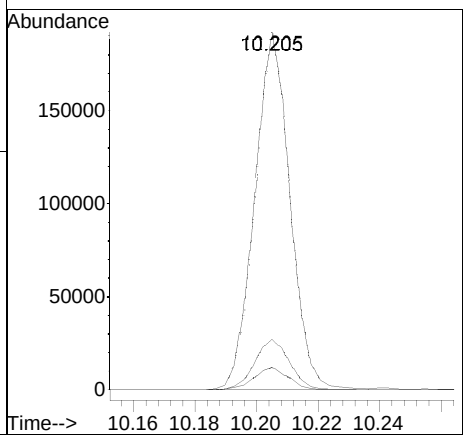


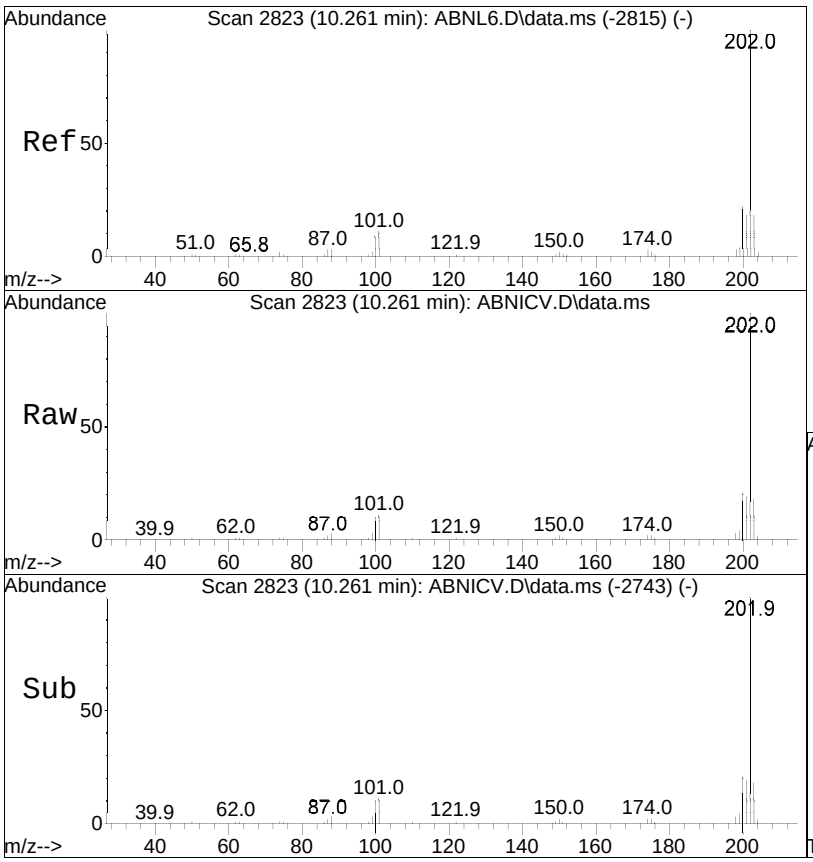


#94
Benzidine
Concen: 4.87 ug/ml
RT: 10.205 min Scan# 2805
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:184 Resp: 151239

Ion	Ratio	Lower	Upper
184	100		
92	6.2	9.1	13.7#
185	14.2	11.1	16.7

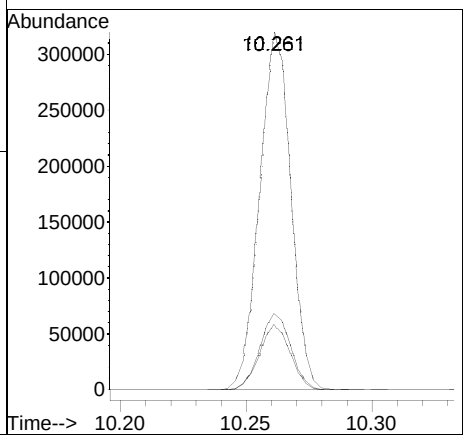


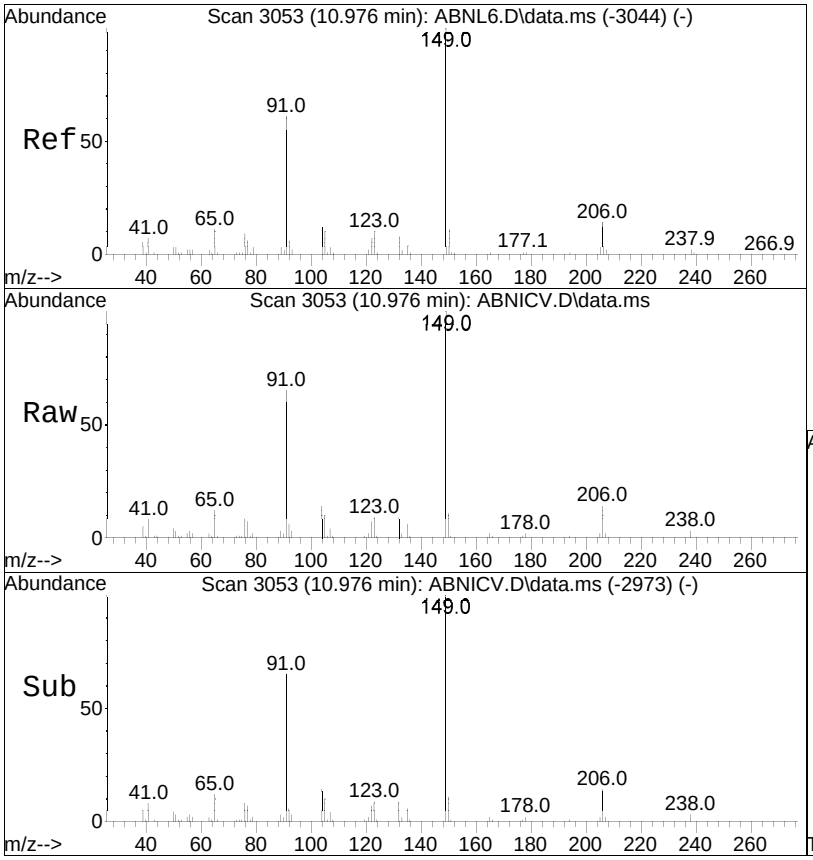


#95
Pyrene
Concen: 4.76 ug/ml
RT: 10.261 min Scan# 2823
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:202 Resp: 272963

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	18.2	14.2	21.4

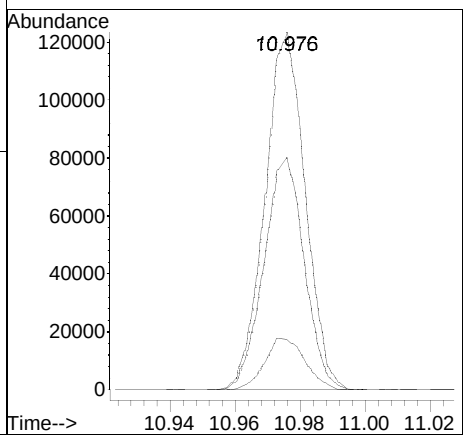


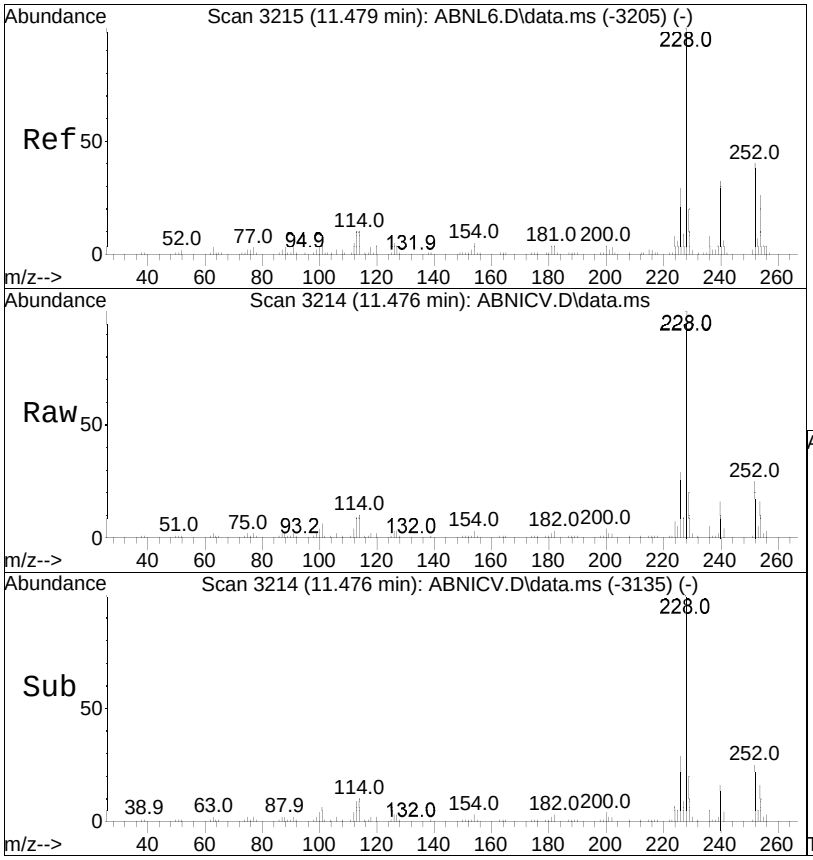


#97
Butyl benzyl phthalate
Concen: 4.86 ug/ml
RT: 10.976 min Scan# 3053
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:149 Resp: 104913

Ion	Ratio	Lower	Upper
149	100		
91	65.4	63.3	94.9
206	14.6	13.9	20.9

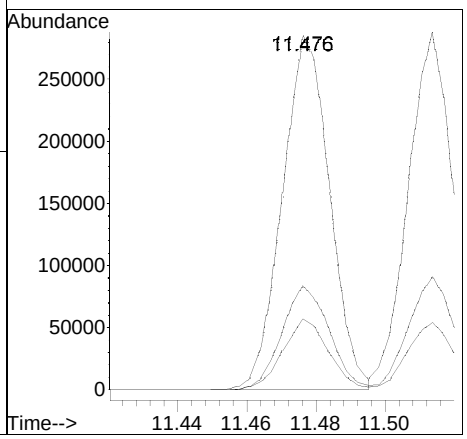


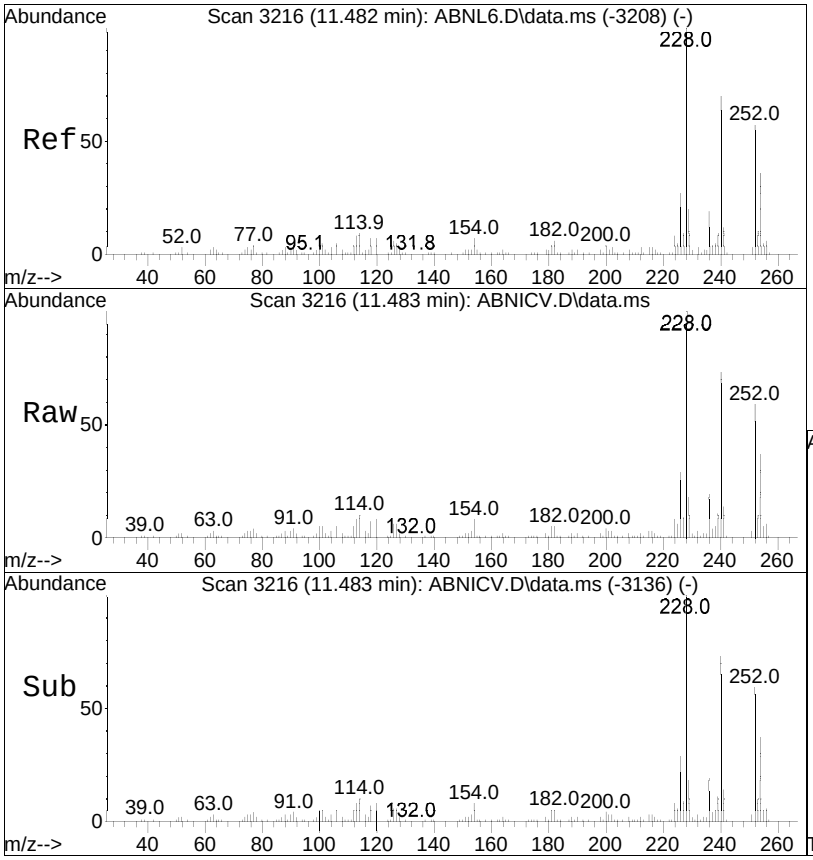


#105
Benzo(a)anthracene
Concen: 4.62 ug/ml
RT: 11.476 min Scan# 3214
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:228 Resp: 270869

Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.2	33.4
229	19.3	15.6	23.4

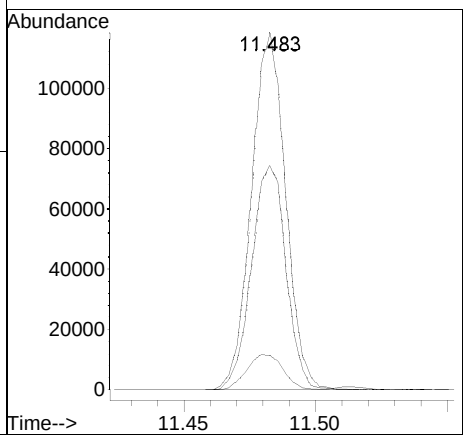


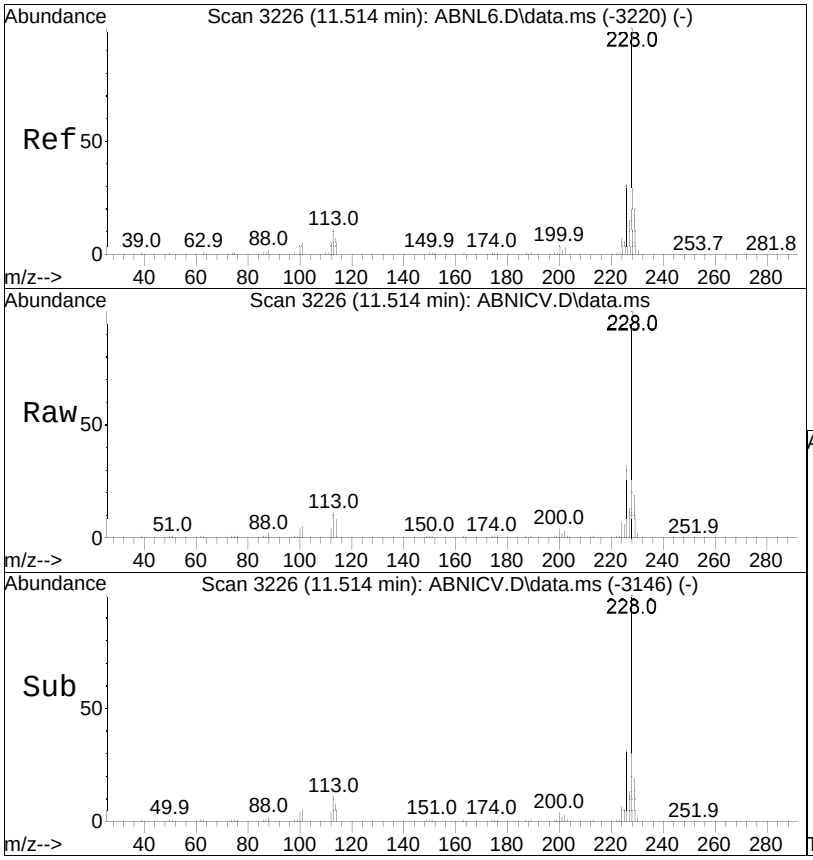


#106
3,3'-Dichlorobenzidine
Concen: 4.87 ug/ml
RT: 11.483 min Scan# 3216
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:252 Resp: 106055

Ion	Ratio	Lower	Upper
252	100		
126	10.8	14.5	21.7#
254	63.7	51.2	76.8

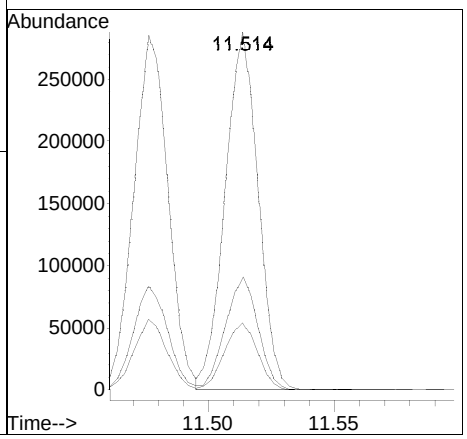


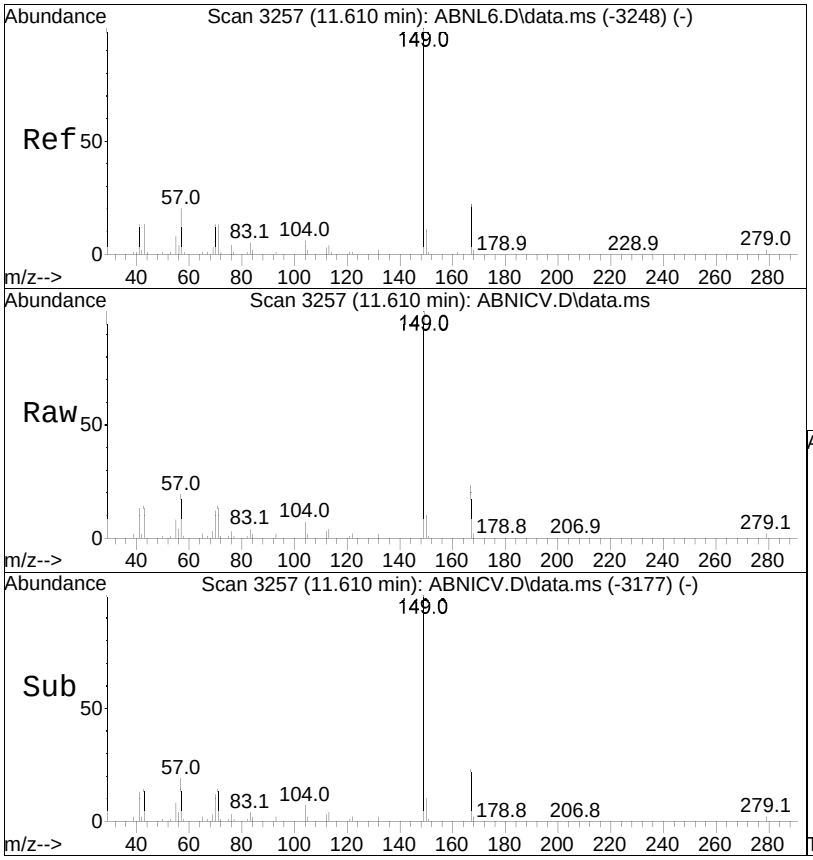


#107
Chrysene
Concen: 4.70 ug/ml
RT: 11.514 min Scan# 3226
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:228 Resp: 261953

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	18.9	15.8	23.8

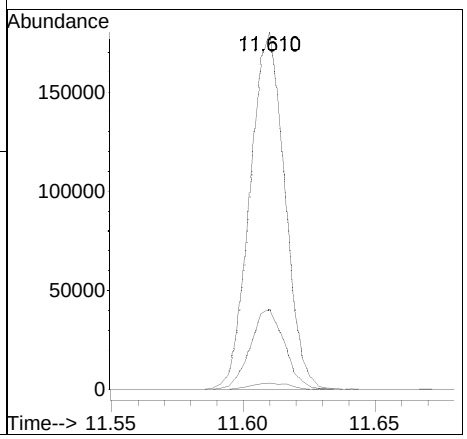


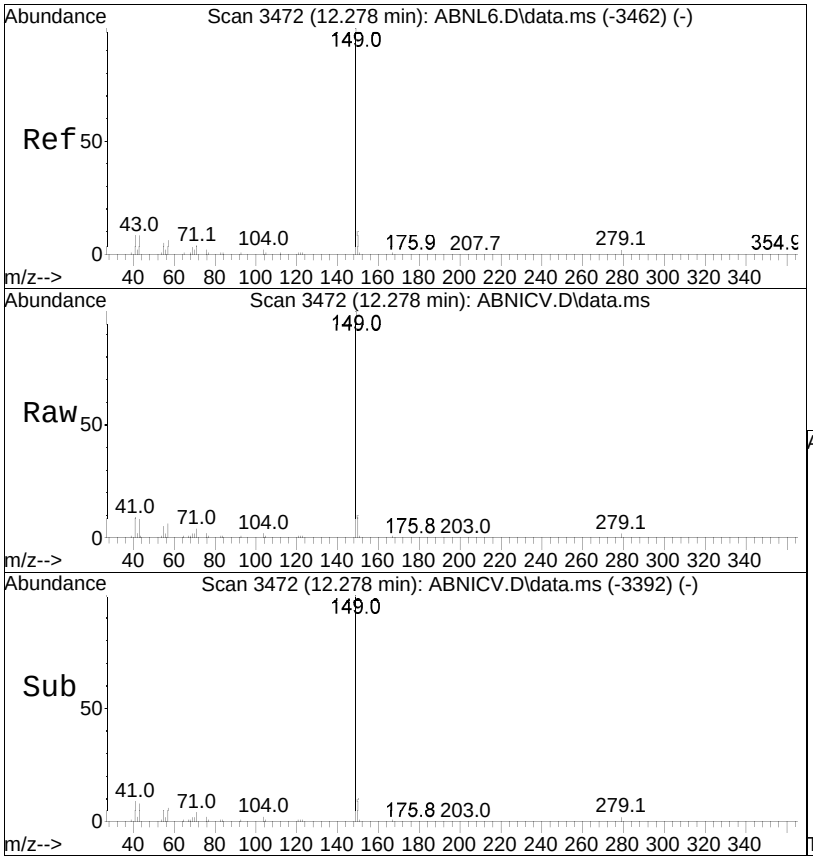


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.95 ug/ml
RT: 11.610 min Scan# 3257
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:149 Resp: 163373

Ion	Ratio	Lower	Upper
149	100		
167	22.2	22.1	33.1
279	1.9	3.0	4.4#

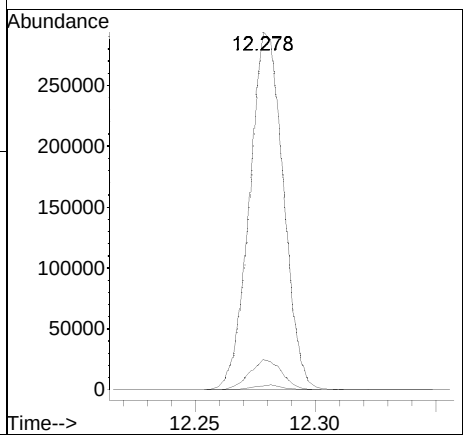


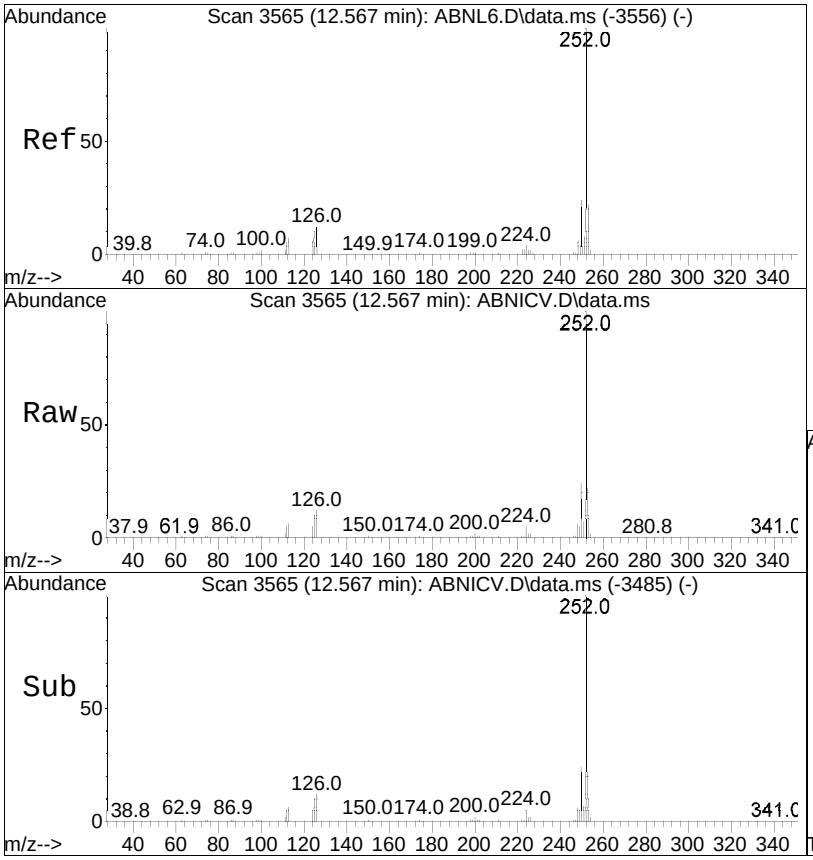


#109
Di-n-octylphthalate
Concen: 5.15 ug/ml
RT: 12.278 min Scan# 3472
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:149 Resp: 283548

Ion	Ratio	Lower	Upper
149	100		
43	8.3	18.8	28.2#
167	1.3	1.3	1.9#

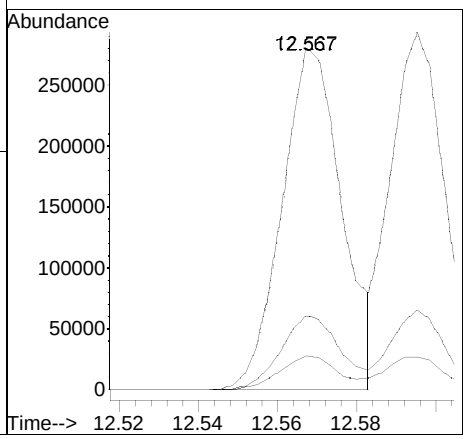


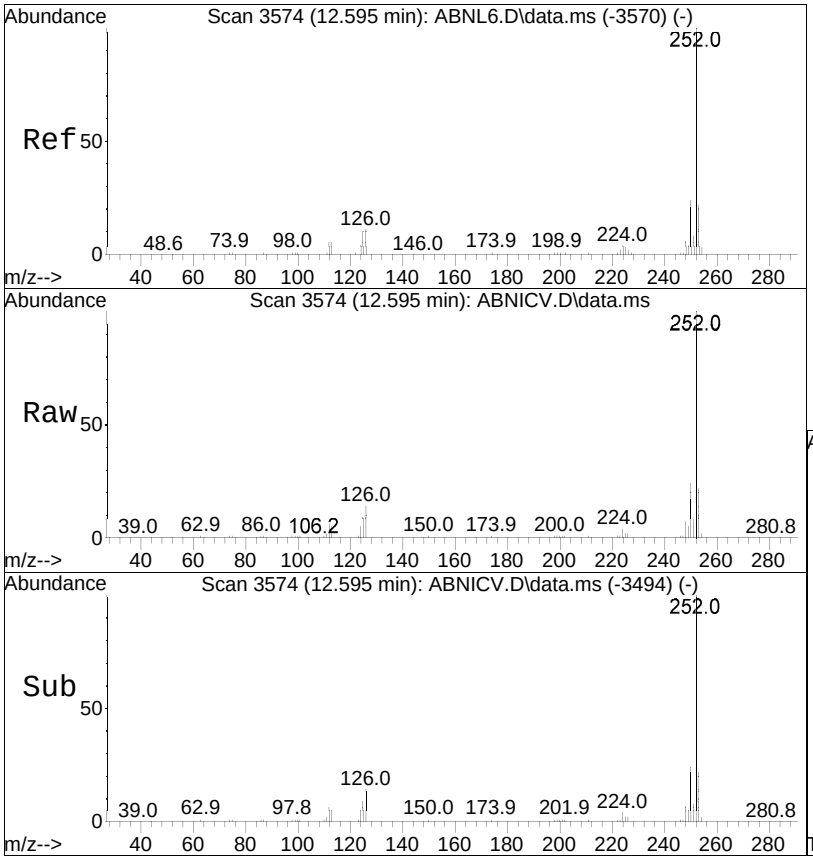


#110
Benzo(b)fluoranthene
Concen: 4.73 ug/ml
RT: 12.567 min Scan# 3565
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:252 Resp: 296436

Ion	Ratio	Lower	Upper
252	100		
125	9.4	13.3	19.9#
253	21.7	17.1	25.7

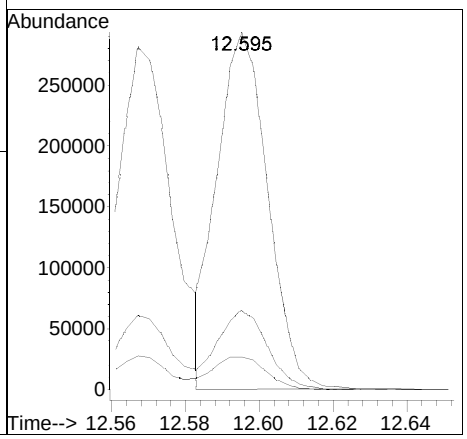


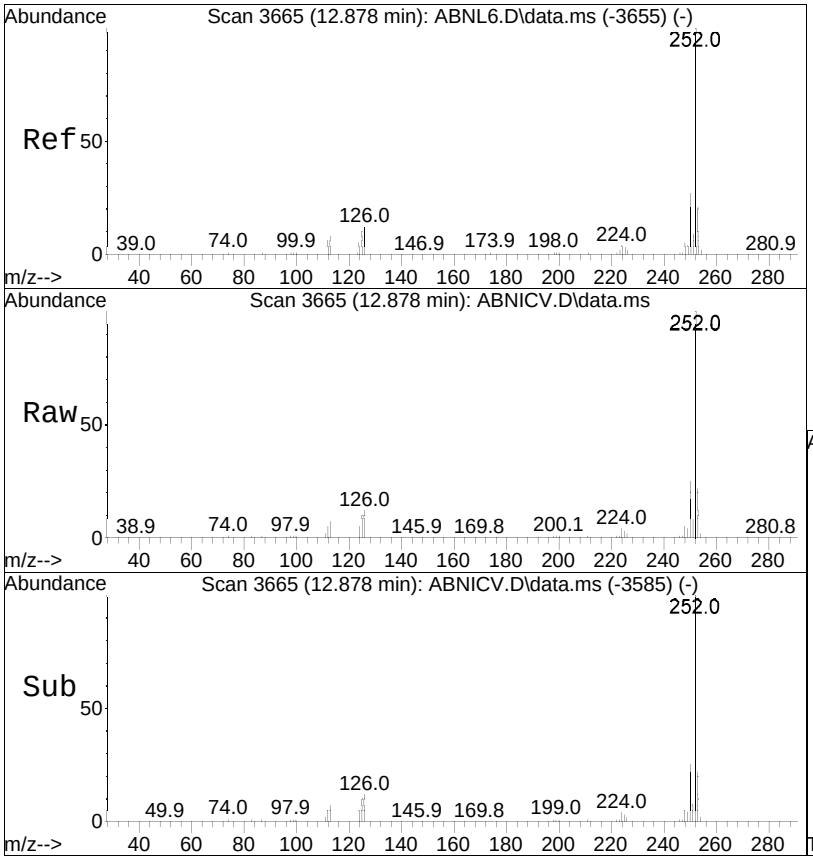


#111
Benzo(k)fluoranthene
Concen: 4.67 ug/ml
RT: 12.595 min Scan# 3574
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:252 Resp: 278467

Ion	Ratio	Lower	Upper
252	100		
125	10.2	13.0	19.6#
253	21.9	16.8	25.2

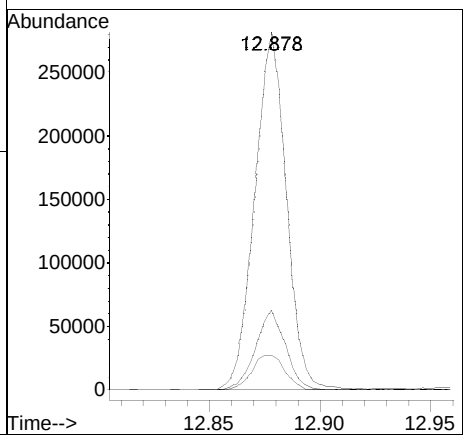


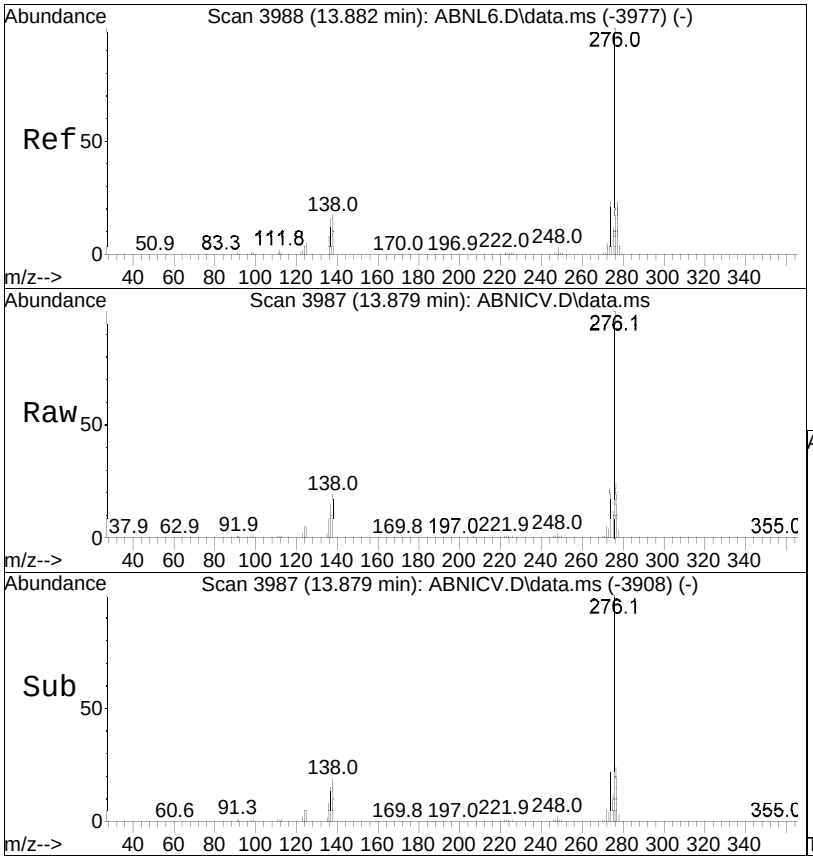


#112
Benzo(a)pyrene
Concen: 5.00 ug/ml
RT: 12.878 min Scan# 3665
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:252 Resp: 277472

Ion	Ratio	Lower	Upper
252	100		
125	10.3	14.2	21.2#
253	21.3	16.9	25.3

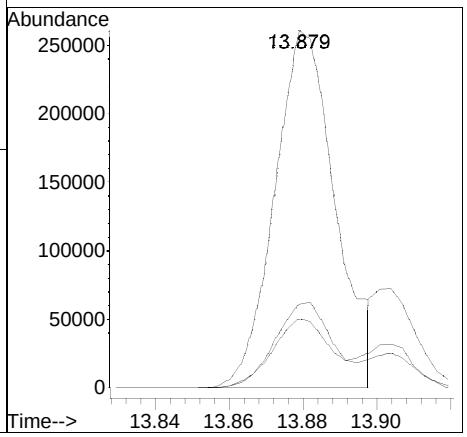


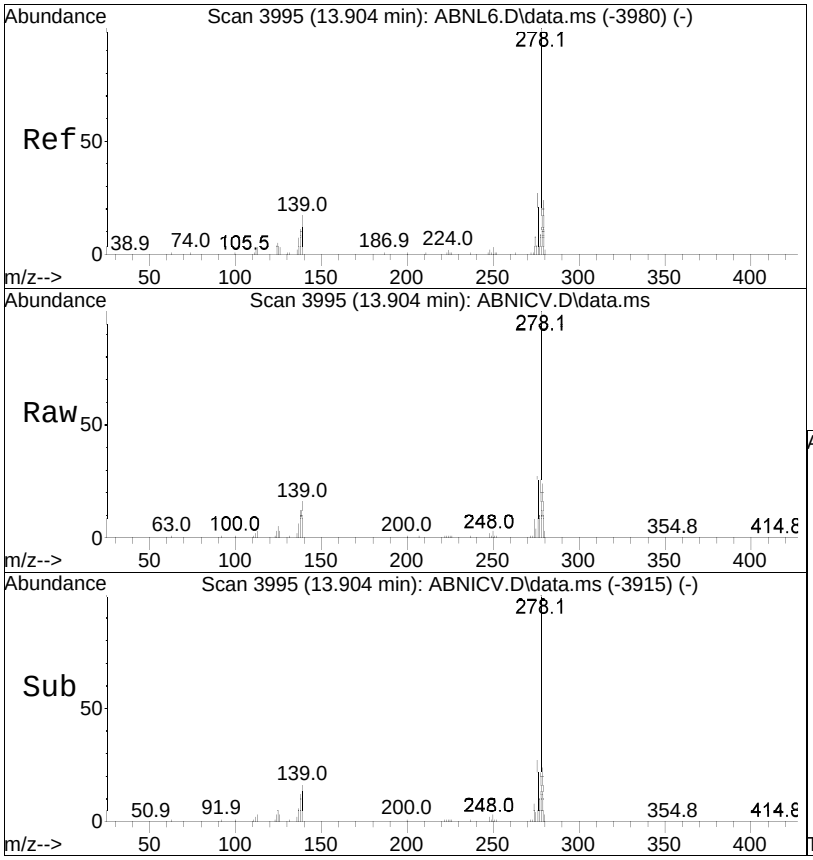


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.68 ug/mL
RT: 13.879 min Scan# 3987
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:276 Resp: 297830

Ion	Ratio	Lower	Upper
276	100		
138	18.3	25.1	37.7#
277	23.1	18.6	28.0

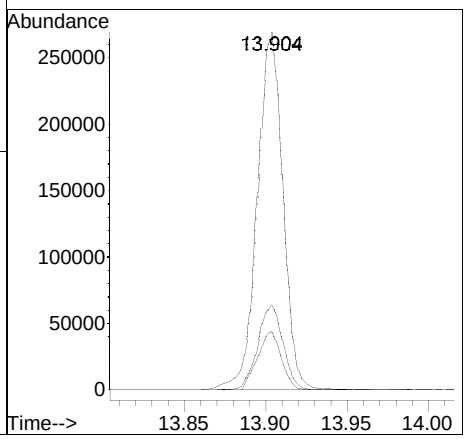


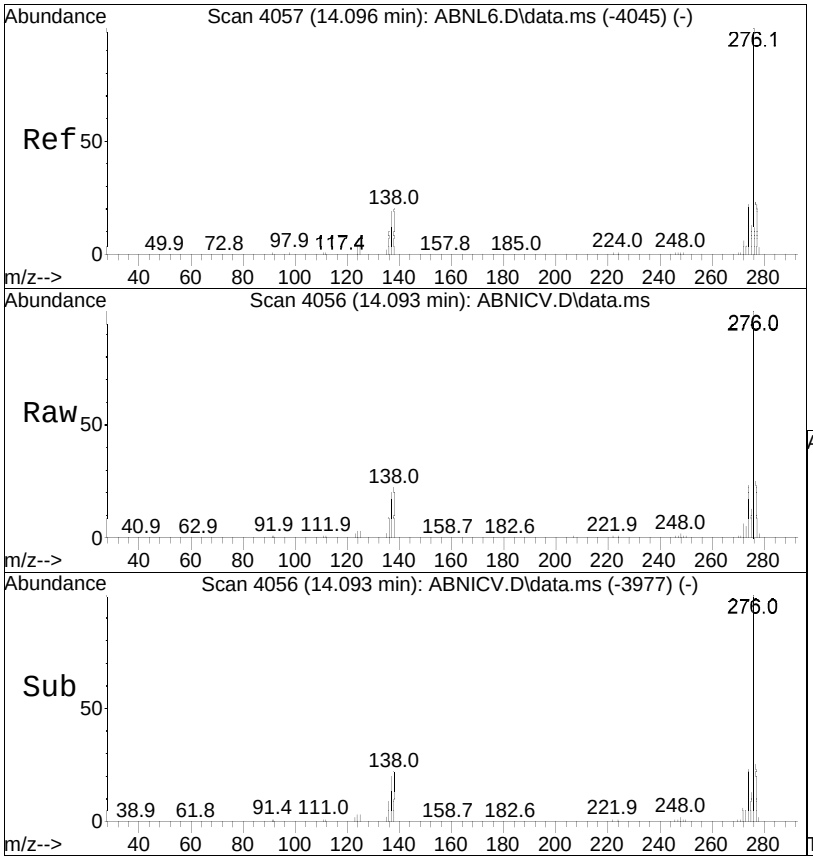


#115
Dibenzo(a,h)anthracene
Concen: 4.95 ug/ml
RT: 13.904 min Scan# 3995
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:278 Resp: 292850

Ion	Ratio	Lower	Upper
278	100		
139	15.4	20.8	31.2#
279	23.6	18.3	27.5

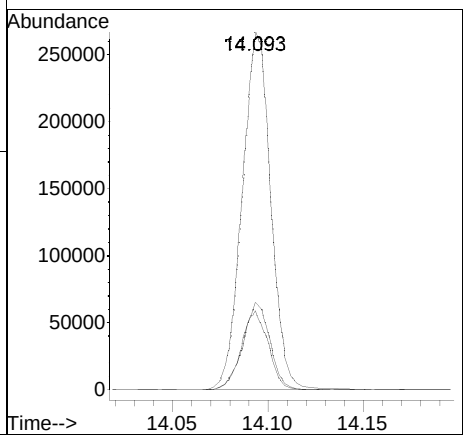




#116
Benzo(ghi)perylene
Concen: 4.74 ug/ml
RT: 14.093 min Scan# 4056
Delta R.T. -0.003 min
Lab File: ABNICV.D
Acq: 18 Jun 2024 7:10 pm

Tgt Ion:276 Resp: 275749

Ion	Ratio	Lower	Upper
276	100		
138	20.8	29.2	43.8#
277	23.5	18.8	28.2



Manual Integration Report

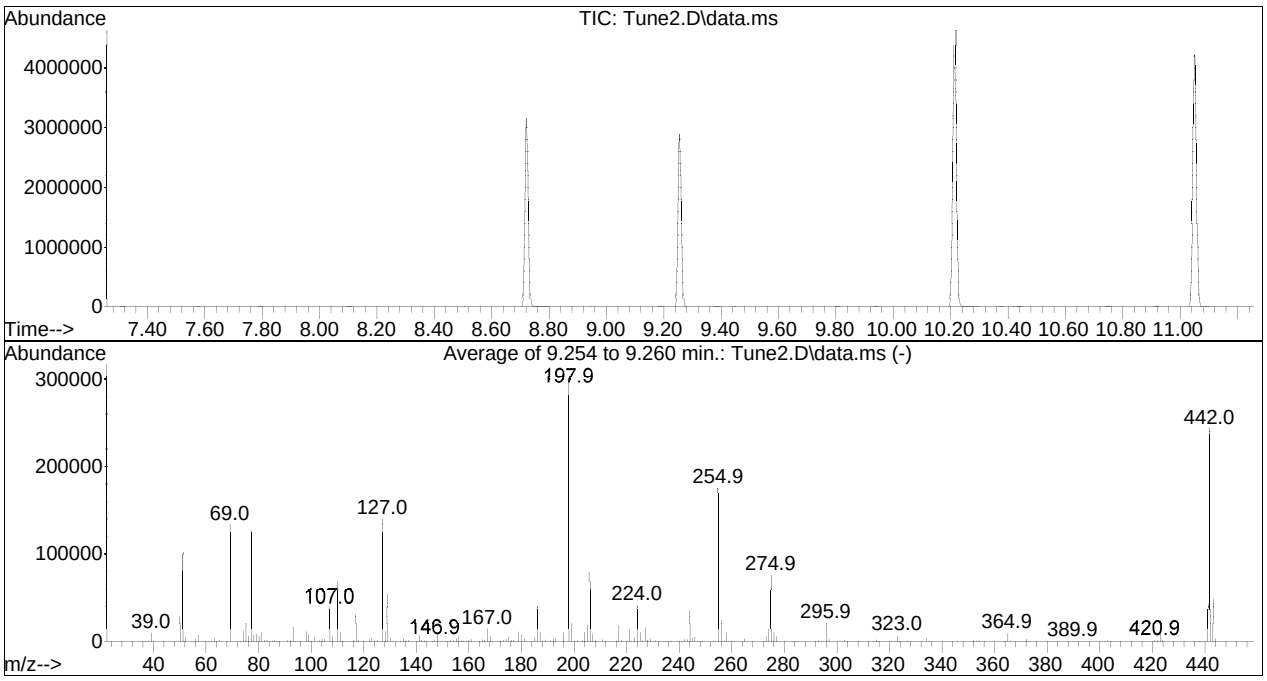
Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ABNICV.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 7:10 pm	Instrument	: Dakota
Sample	: CQICV1,32,,ABNICV Lot# 108	Quant Date	: 6/19/2024 9:02 pm

There are no manual integrations or false positives in this file.

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune2.D
Acq On : 18 Jun 2024 8:19 pm
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024



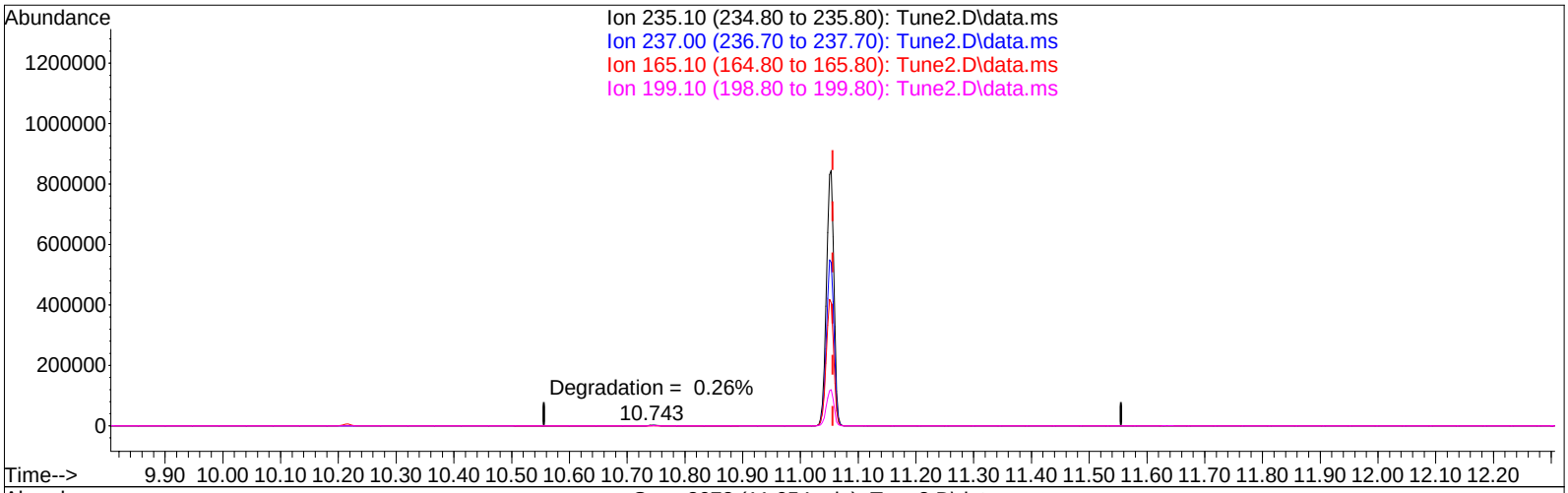
Spectrum Information: Average of 9.254 to 9.260 min.

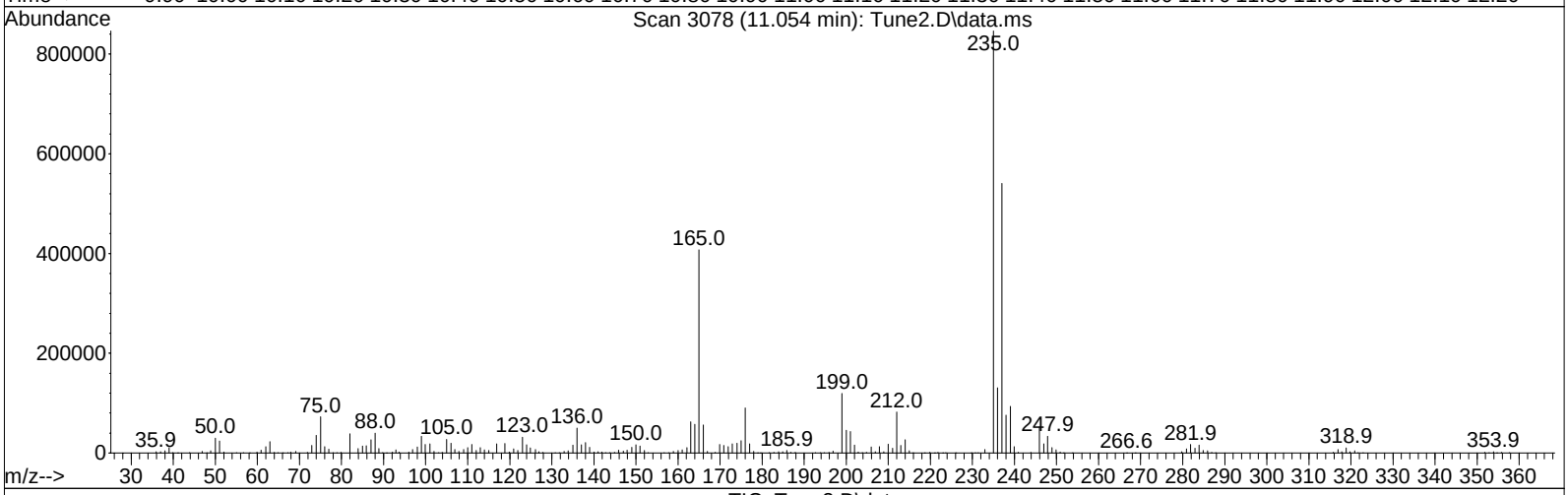
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.8	101925	PASS
68	69	0.00	2	0.5	700	PASS
69	69	100	100	100.0	133413	PASS
70	69	0.00	2	0.5	649	PASS
127	198	10	80	46.3	139725	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	301675	PASS
199	198	5	9	6.6	19981	PASS
275	198	10	60	25.1	75808	PASS
365	198	1	100	3.0	9122	PASS
441	442	0.01	24	17.4	42323	PASS
442	198	50	100	80.6	243264	PASS
443	442	15	24	19.8	48240	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune2.D
Acq On : 18 Jun 2024 8:19 pm
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 19 21:57:10 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(6) DDT (T)

11.054min (-0.002) 125.77

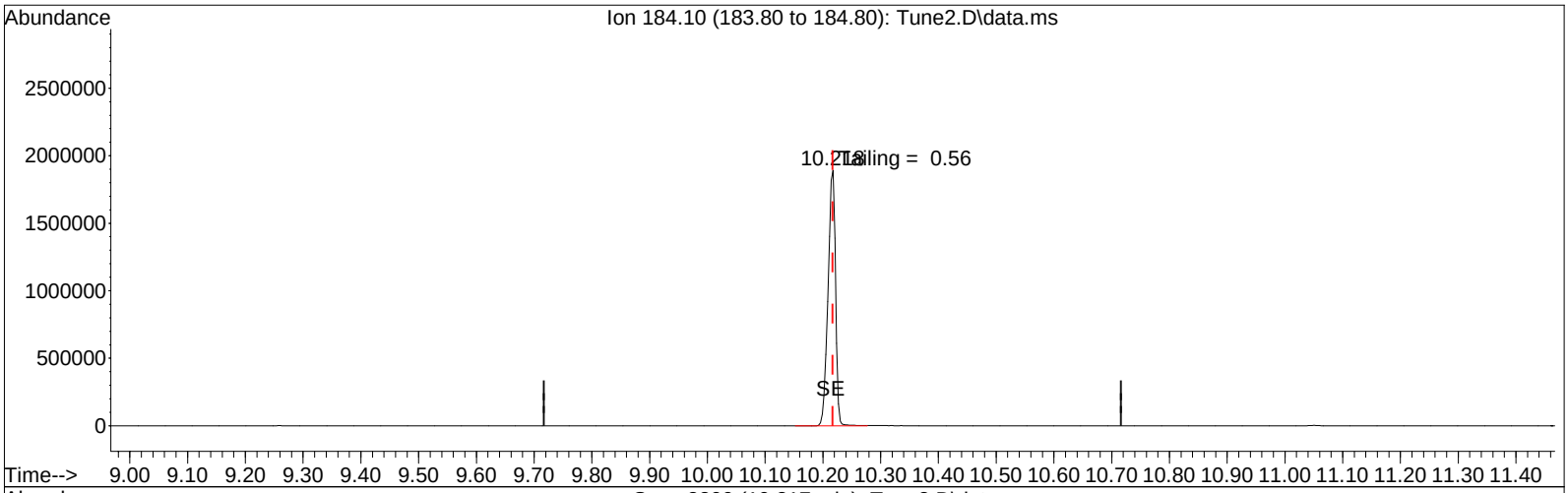
response 766643

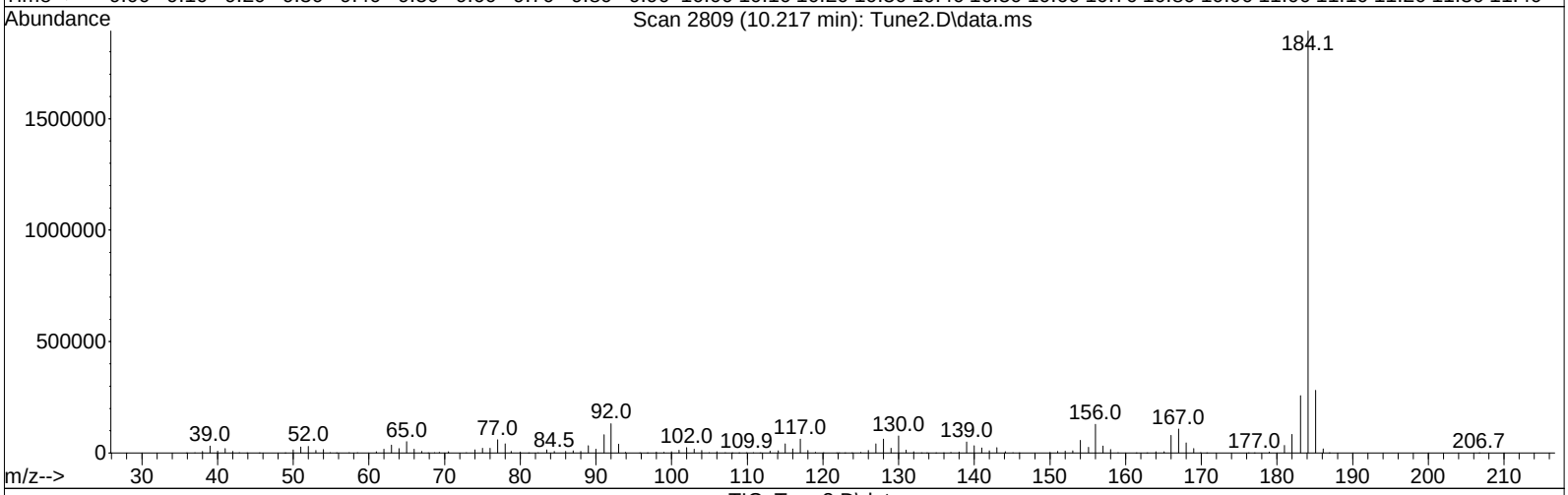
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	66.20	65.14
165.10	47.40	49.20
199.10	13.90	14.19

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune2.D
Acq On : 18 Jun 2024 8:19 pm
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 19 21:57:10 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(3) Benzidine (T)

10.217min (+ 0.000) 167.80

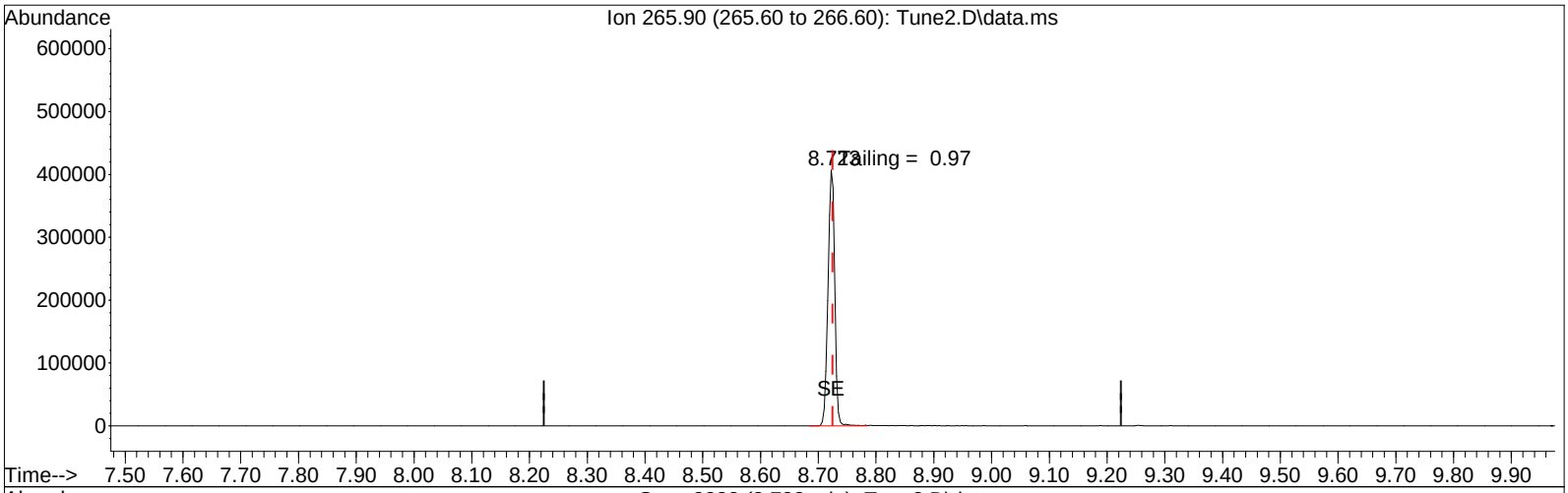
response 1708226

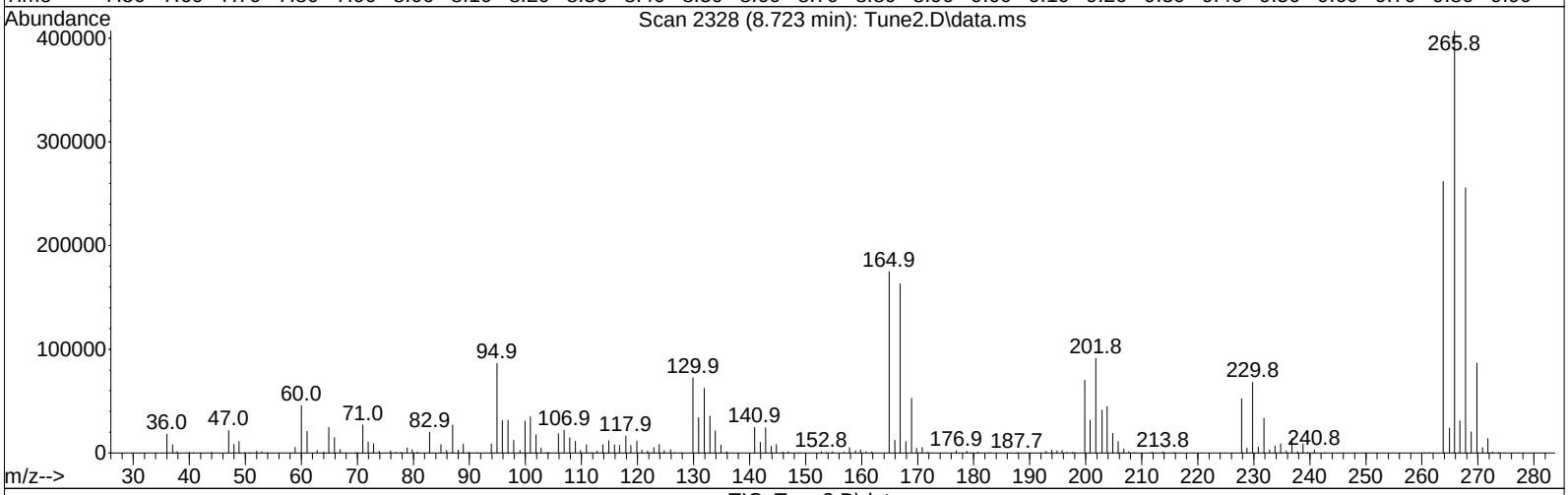
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240618ical\
Data File : Tune2.D
Acq On : 18 Jun 2024 8:19 pm
Operator : Dakota:cmm
Sample : Tune Lot#10812
Misc : WG1938219,,
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Jun 19 21:57:10 2024
Quant Method : I:\8270\Dakota\240618ical\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 13 07:04:58 2024
Response via : Initial Calibration





TIC: Tune2.D\data.ms

(1) Pentachlorophenol (T)

8.723min (-0.002) 157.56

response 330941

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9ICV.D
Acq On : 18 Jun 2024 8:41 pm
Operator : Dakota:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1938219,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 19 22:05:12 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 22:04:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde	1.036	0.973	6.1	89	0.00
29	T	Acetophenone	1.772	1.639	7.5	88	0.00
30	T	m-Toluidine	1.704	1.626	4.6	87	0.00
31	T	2-Chloroaniline	1.648	1.524	7.5	88	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	91	0.00
56	T	a-Terpineol	0.269	0.256	4.8	89	0.00
57	T	3-Chloroaniline	0.150	0.141	6.0	88	0.00
58	T	2,6-Dichlorophenol	0.375	0.353	5.9	86	0.00
59	T	1-chloro-2-nitrobenzene	0.155	0.140	9.7	87	0.00
60	T	Caprolactam	0.134	0.127	5.2	86	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.499	0.457	8.4	87	0.00
62	T	Biphenyl	1.069	0.989	7.5	87	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	93	0.00
84	T	Dichloran	0.236	0.192	18.6	81	0.00
85	T	Pentachloronitrobenzene	0.220	0.200	9.1	82	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	92	0.00
99	T	Diphenamid	0.521	0.475	8.8	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9ICV.D
Acq On : 18 Jun 2024 8:41 pm
Operator : Dakota:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1938219,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 19 22:05:12 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 22:04:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.526	152	27954	4.000	ug/ml	0.00
Standard Area 1 = 30304			Recovery = 92.25%			
55) IS2_Naphthalene-d8	5.760	136	100320	4.000	ug/ml	0.00
Standard Area 1 = 110135			Recovery = 91.09%			
83) IS2_Acenaphthene-d10	7.457	164	68717	4.000	ug/ml	0.00
Standard Area 1 = 73667			Recovery = 93.28%			
98) IS2_Phenanthrene-d10	8.881	188	160357	4.000	ug/ml	0.00
Standard Area 1 = 174138			Recovery = 92.09%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.091	105	33984	4.694	ug/ml	99
29) Acetophenone	4.927	105	57288	4.627	ug/ml#	76
30) m-Toluidine	5.011	106	56825	4.772	ug/ml	95
31) 2-Chloroaniline	5.369	127	53259	4.626	ug/ml#	92
56) a-Terpineol	5.819	59	32051	4.747	ug/ml#	79
57) 3-Chloroaniline	5.835	65	17735	4.718	ug/ml	95
58) 2,6-Dichlorophenol	5.860	162	44313	4.708	ug/ml#	83
59) 1-chloro-2-nitrobenzene	6.115	111	17559	4.506	ug/ml#	1
60) Caprolactam	6.146	55	15974	4.762	ug/ml#	58
61) 1,2,4,5-Tetrachloroben...	6.627	216	57317	4.575	ug/ml#	96
62) Biphenyl	6.917	154	124053	4.628	ug/ml	98
84) Dichloran	8.582	206	16481	4.071	ug/ml#	61
85) Pentachloronitrobenzene	8.735	237	17148	4.539	ug/ml#	80
99) Diphenamid	9.788	167	95301	4.567	ug/ml#	77

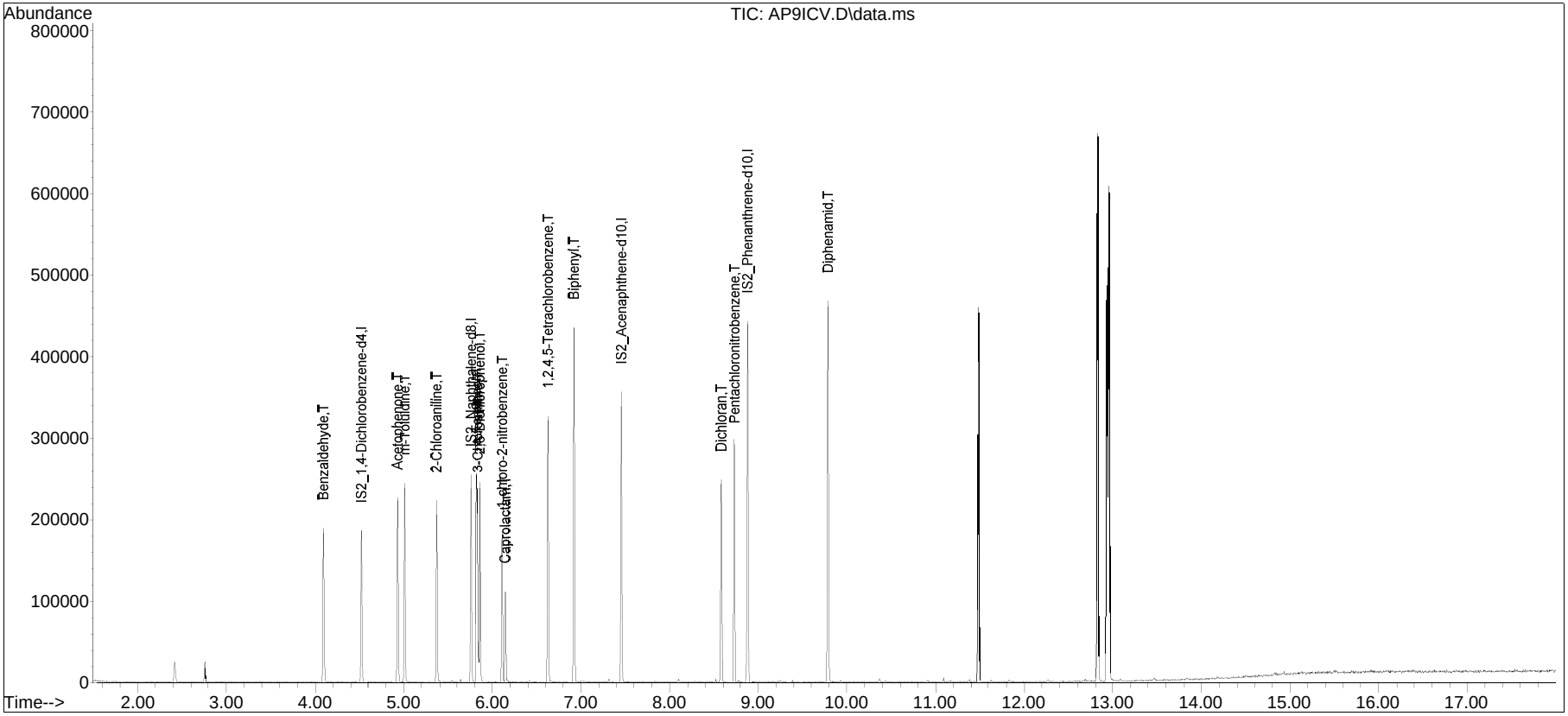
(#) = qualifier out of range (m) = manual integration (+) = signals summed

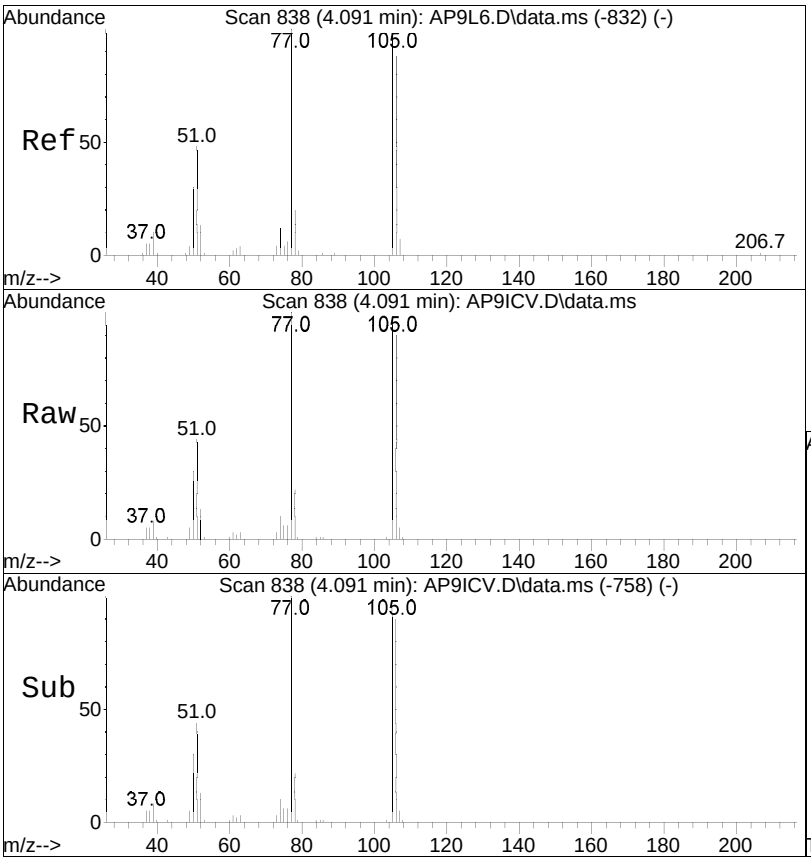
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : AP9ICV.D
Acq On : 18 Jun 2024 8:41 pm
Operator : Dakota:cmm
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1938219,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 19 22:05:12 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 22:04:59 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistcal\AP9L6.D•

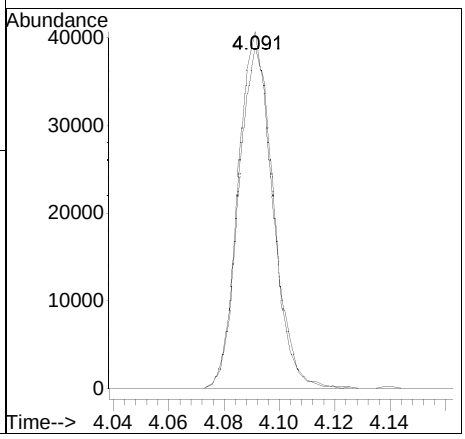


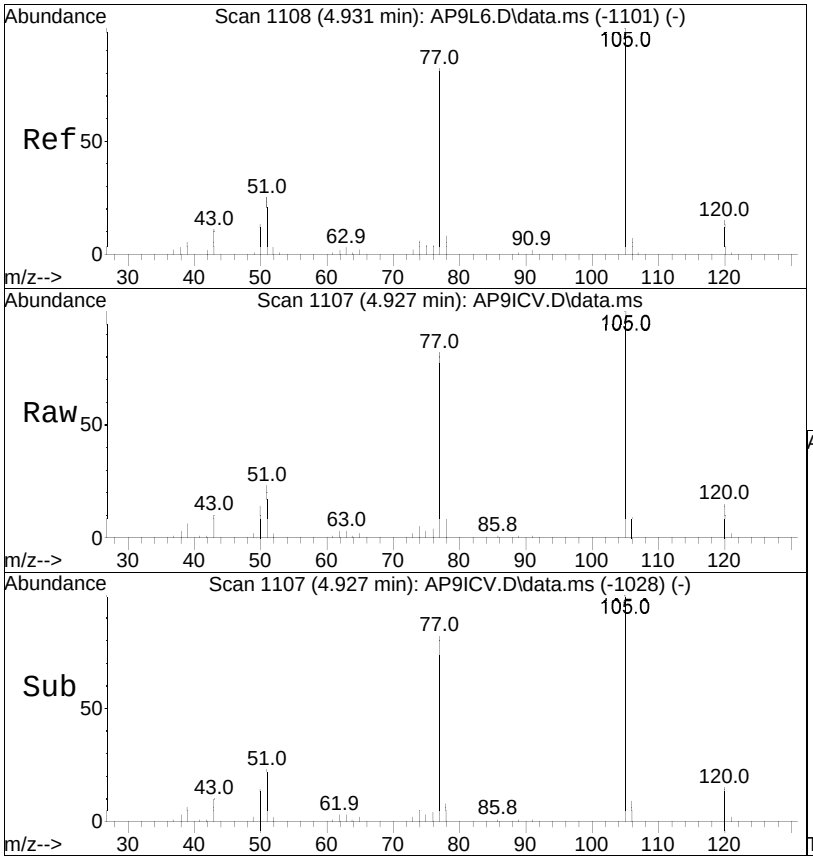


#28
Benzaldehyde
Concen: 4.69 ug/ml
RT: 4.091 min Scan# 838
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:105 Resp: 33984

Ion	Ratio	Lower	Upper
105	100		
77	103.4	82.2	123.4

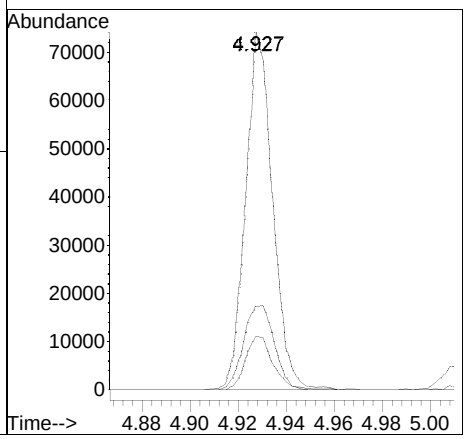


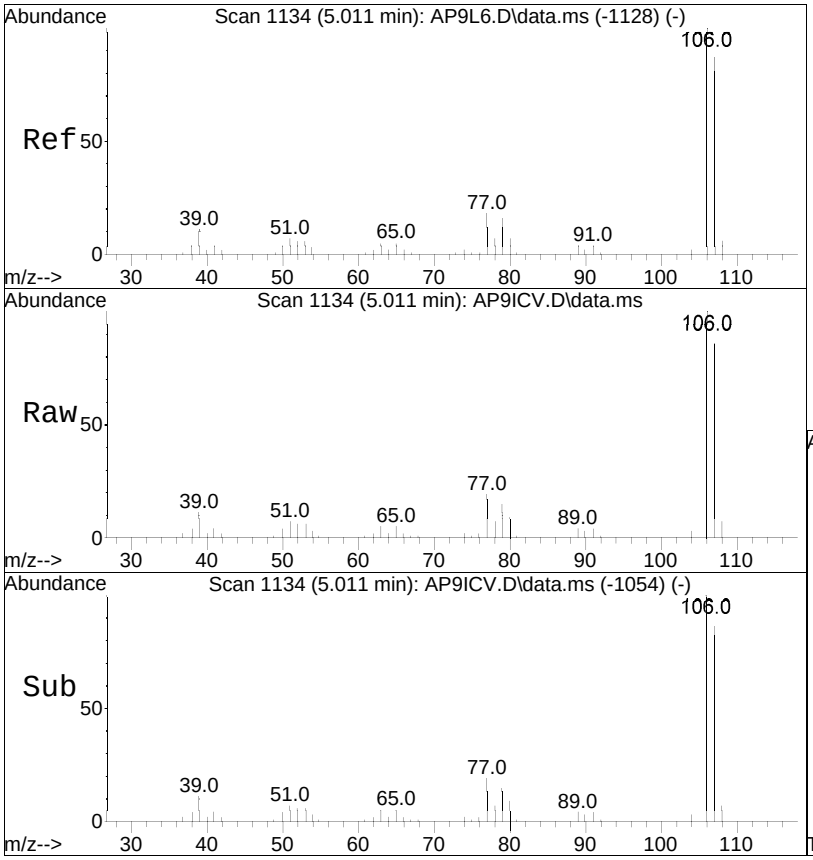


#29
Acetophenone
Concen: 4.63 ug/ml
RT: 4.927 min Scan# 1107
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:105 Resp: 57288

Ion	Ratio	Lower	Upper
105	100		
120	15.1	20.5	30.7#
51	27.0	34.9	52.3#

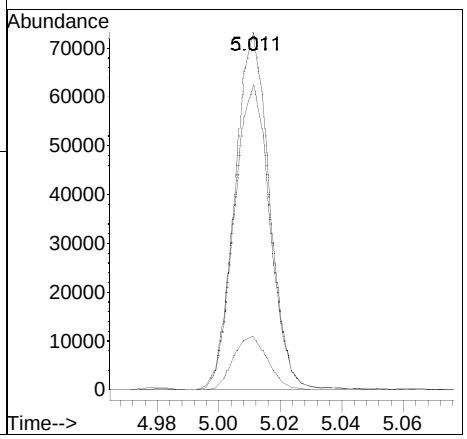


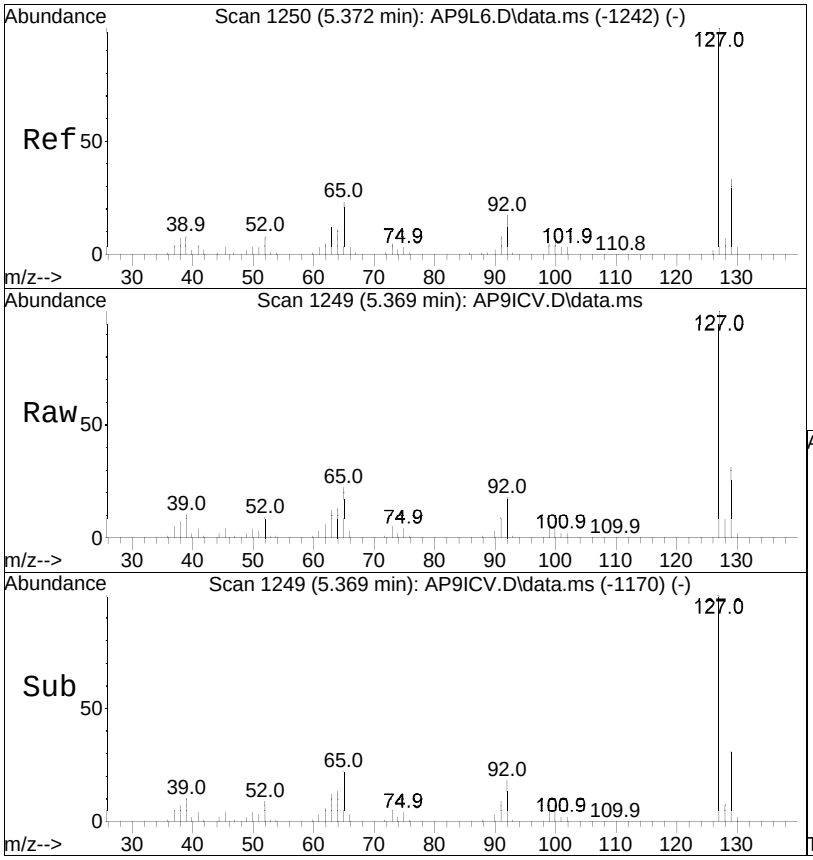


#30
m-Toluidine
Concen: 4.77 ug/ml
RT: 5.011 min Scan# 1134
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:106 Resp: 56825

Ion	Ratio	Lower	Upper
106	100		
107	89.1	75.7	113.5
79	15.0	11.8	17.8

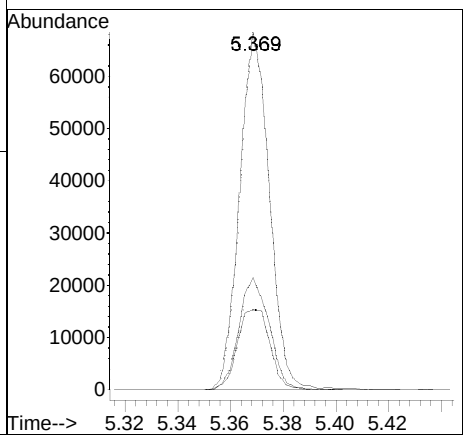


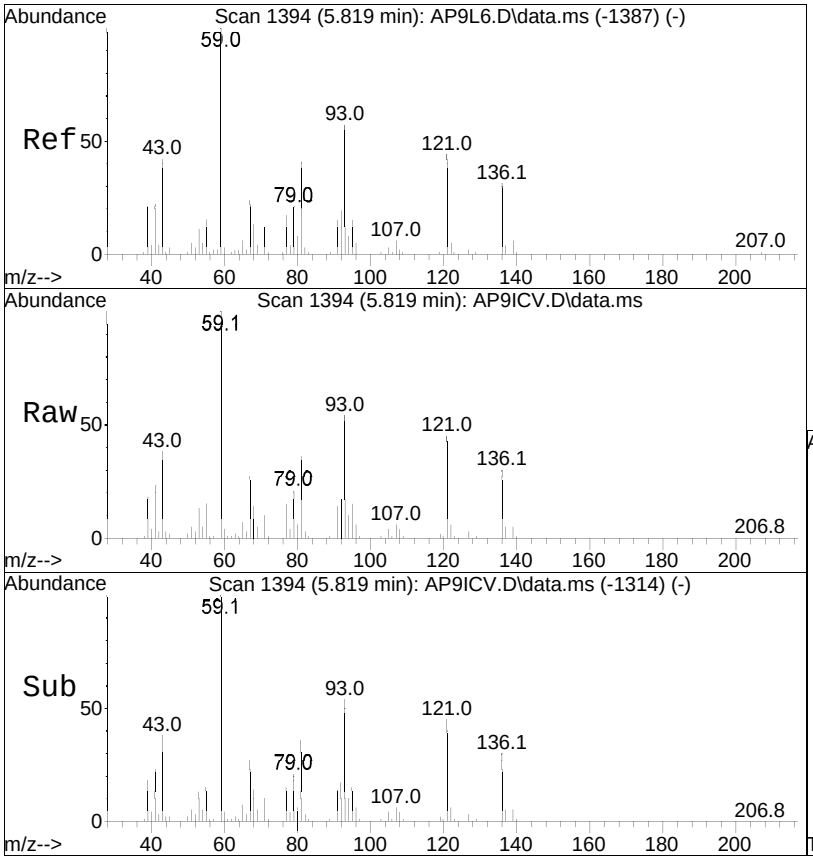


#31
2-Chloroaniline
Concen: 4.63 ug/ml
RT: 5.369 min Scan# 1249
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:127 Resp: 53259

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.9	38.9
65	24.7	26.3	39.5#

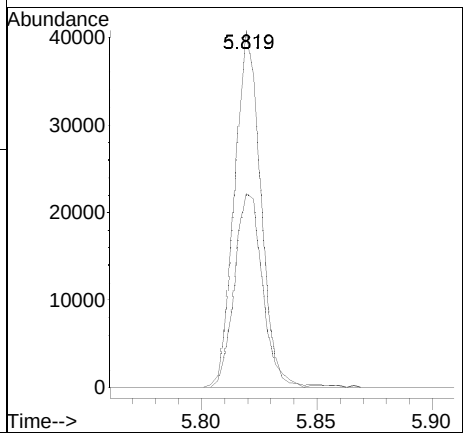


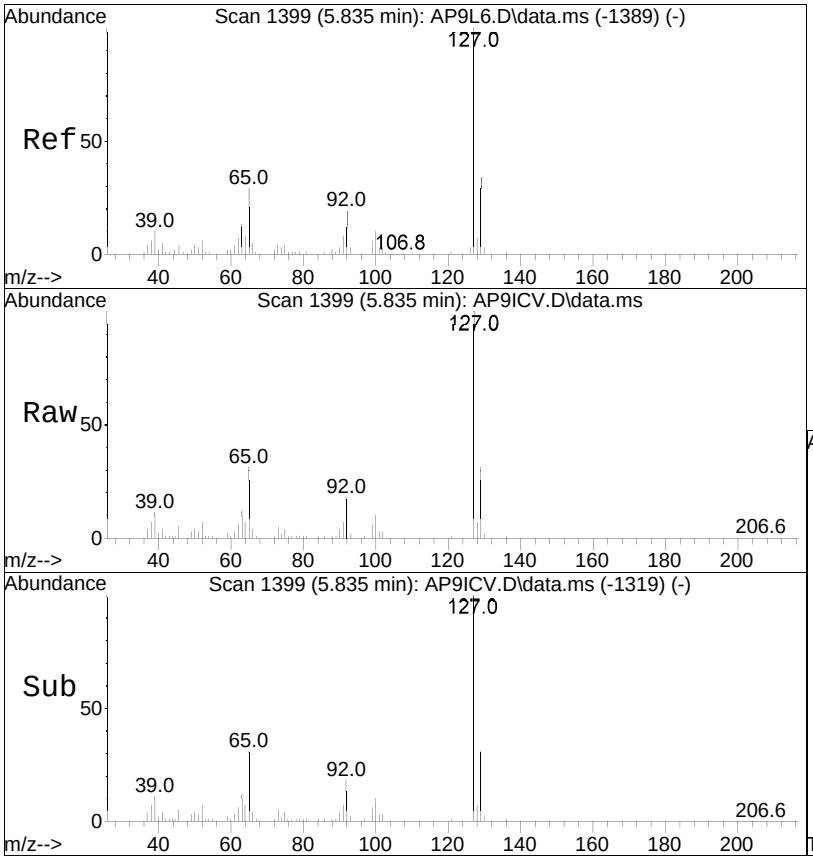


#56
a-Terpineol
Concen: 4.75 ug/ml
RT: 5.819 min Scan# 1394
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion: 59 Resp: 32051

Ion	Ratio	Lower	Upper
59	100		
93	58.3	35.6	53.4#

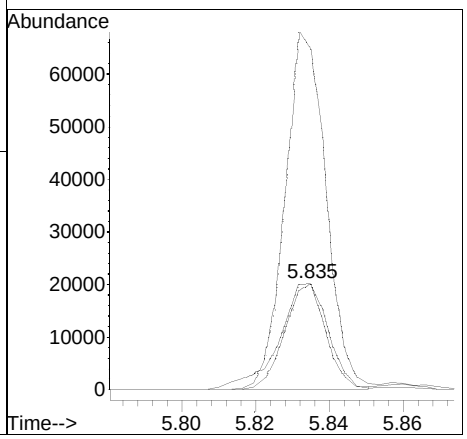


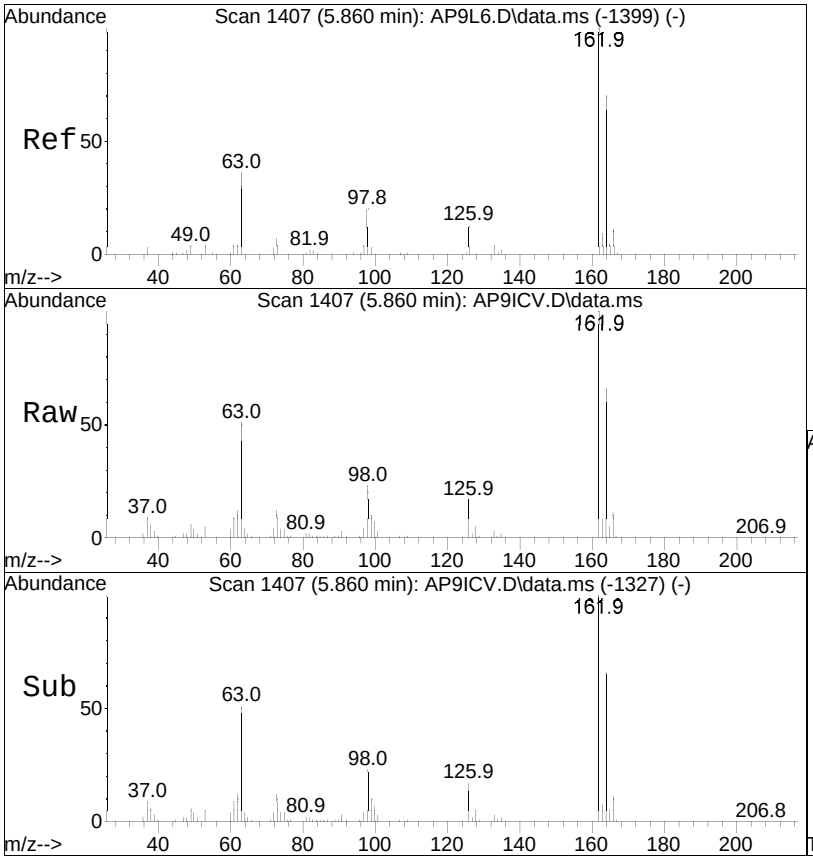


#57
3-Chloroaniline
Concen: 4.72 ug/ml
RT: 5.835 min Scan# 1399
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion: 65 Resp: 17735

Ion	Ratio	Lower	Upper
65	100		
127	293.8	243.2	364.8
129	92.5	78.8	118.2

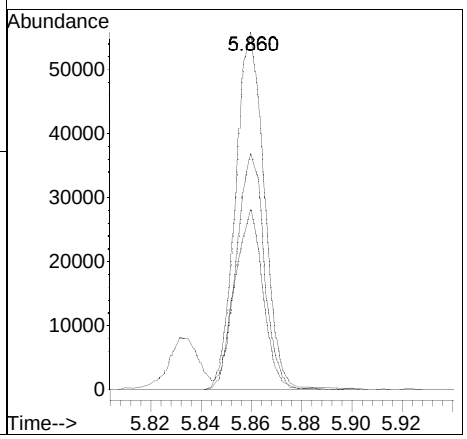


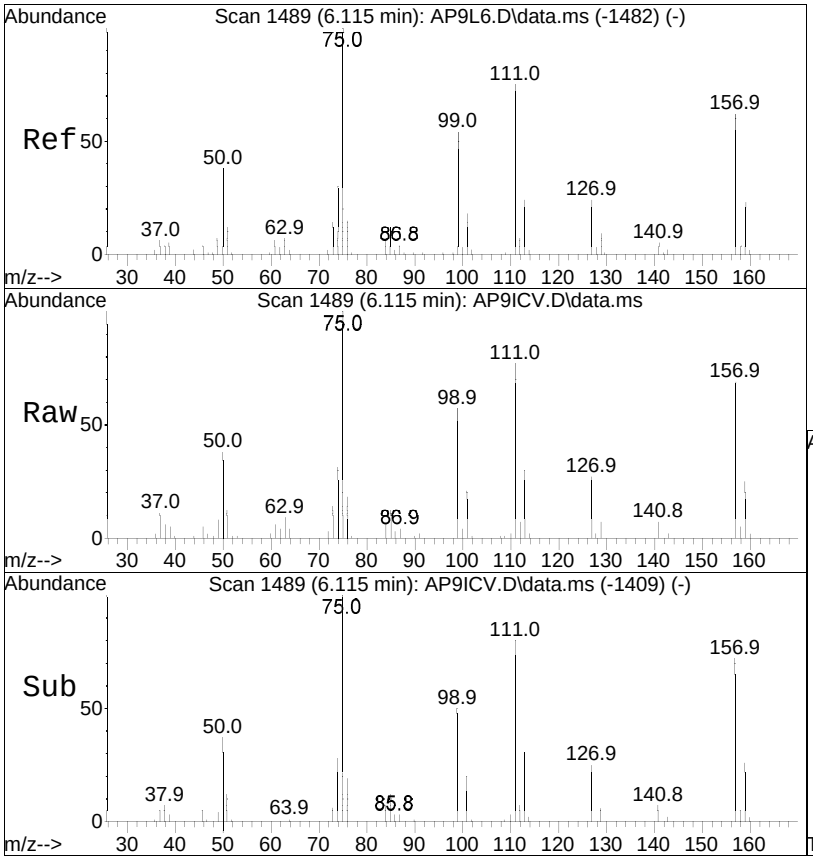


#58
2,6-Dichlorophenol
Concen: 4.71 ug/ml
RT: 5.860 min Scan# 1407
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:162 Resp: 44313

Ion	Ratio	Lower	Upper
162	100		
164	64.4	51.1	76.7
63	49.5	60.8	91.2#

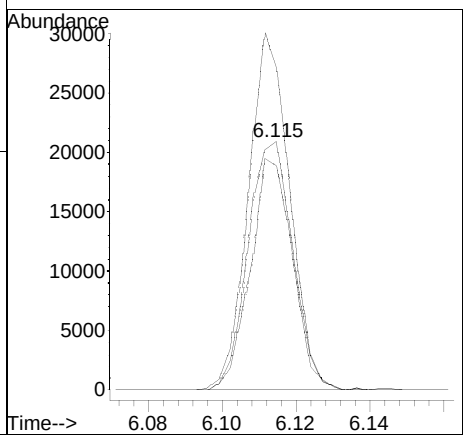


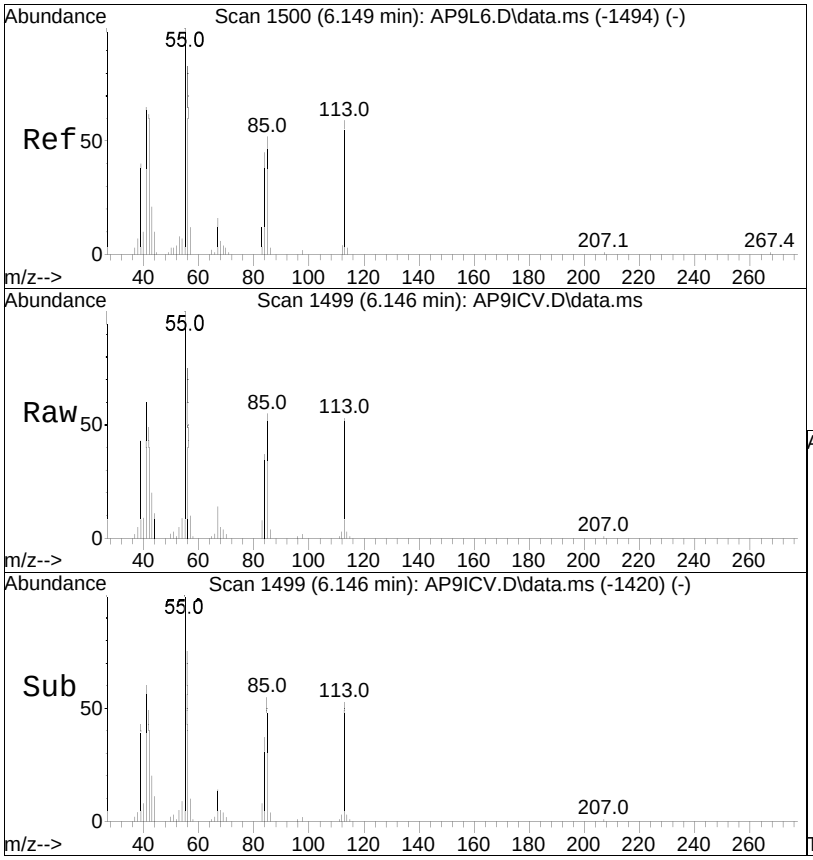


#59
1-chloro-2-nitrobenzene
Concen: 4.51 ug/ml
RT: 6.115 min Scan# 1489
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:111 Resp: 17559

Ion	Ratio	Lower	Upper
111	100		
157	87.7	0.0	0.0#
75	132.6	28.2	42.2#

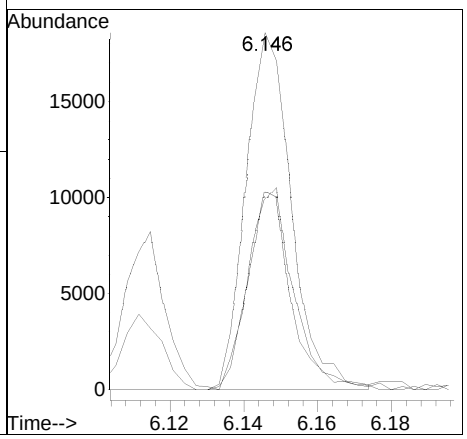


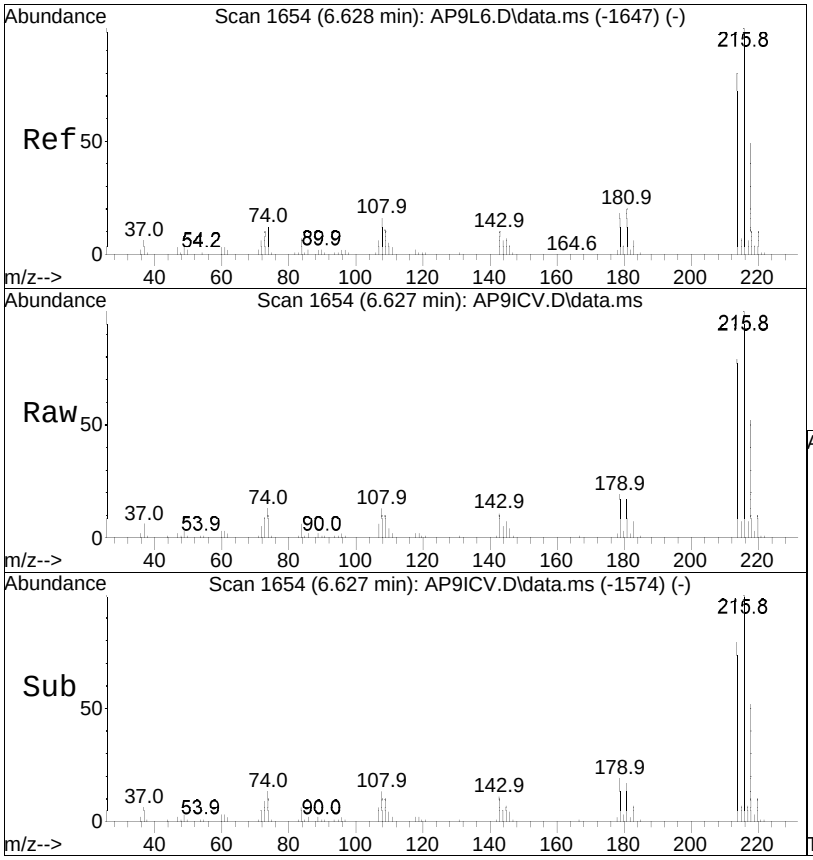


#60
Caprolactam
Concen: 4.76 ug/ml
RT: 6.146 min Scan# 1499
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion: 55 Resp: 15974

Ion	Ratio	Lower	Upper
55	100		
85	52.2	19.8	29.6#
113	56.7	29.6	44.4#

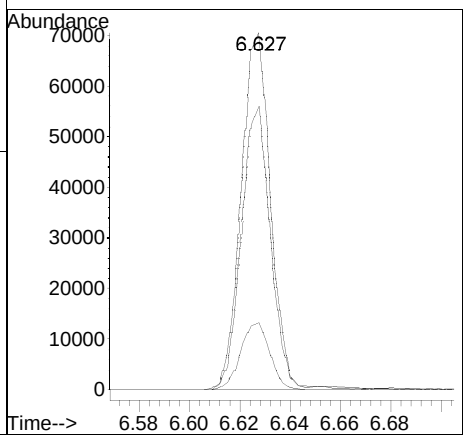


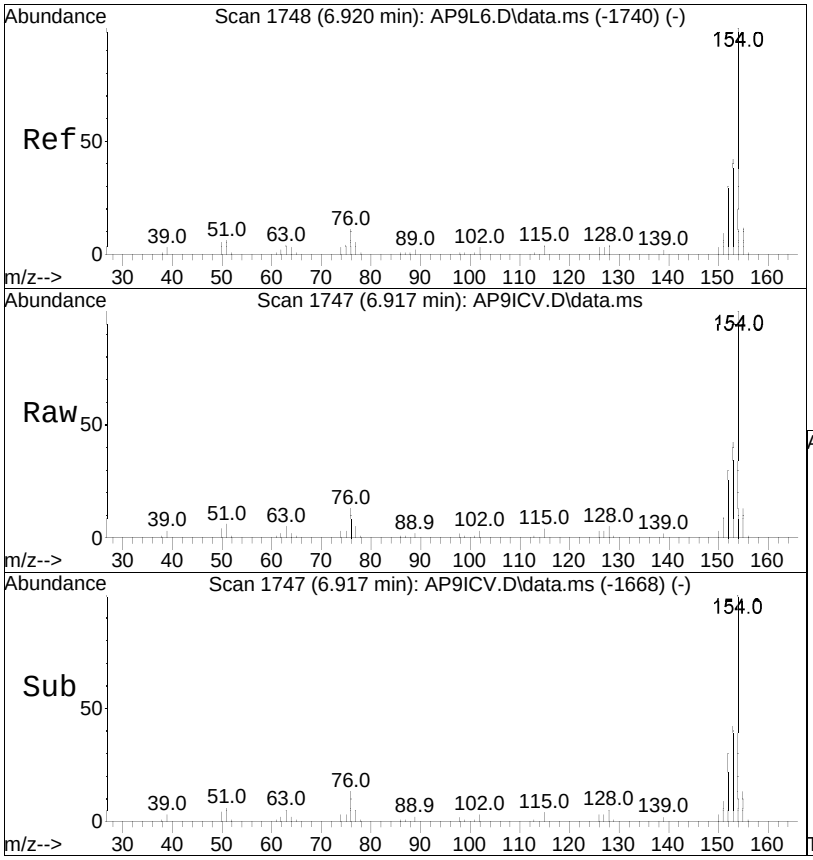


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.58 ug/ml
RT: 6.627 min Scan# 1654
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:216 Resp: 57317

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.7	95.5
179	18.6	19.0	28.6#

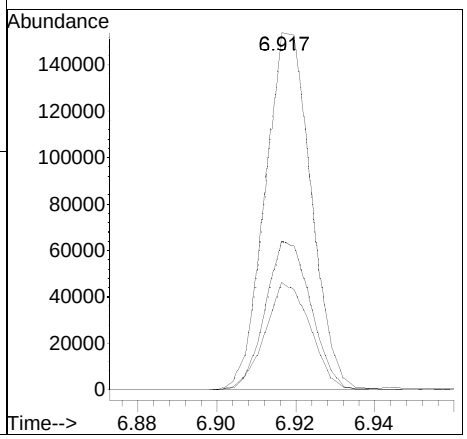


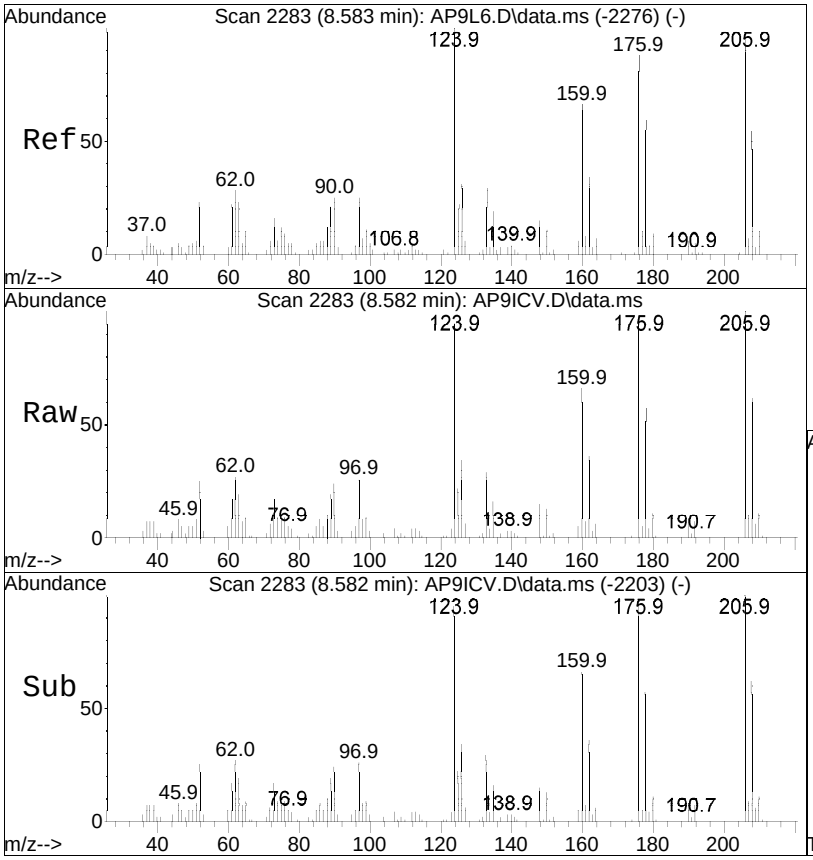


#62
Biphenyl
Concen: 4.63 ug/ml
RT: 6.917 min Scan# 1747
Delta R.T. -0.003 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:154 Resp: 124053

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.3	48.5
152	29.7	22.5	33.7

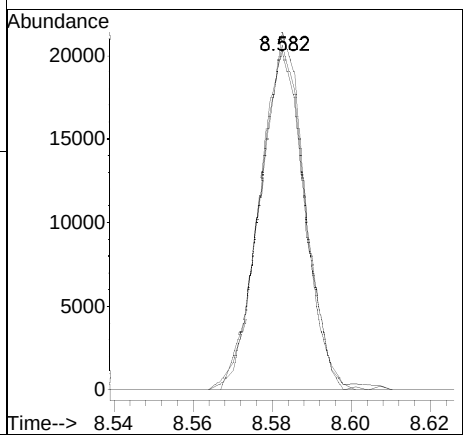


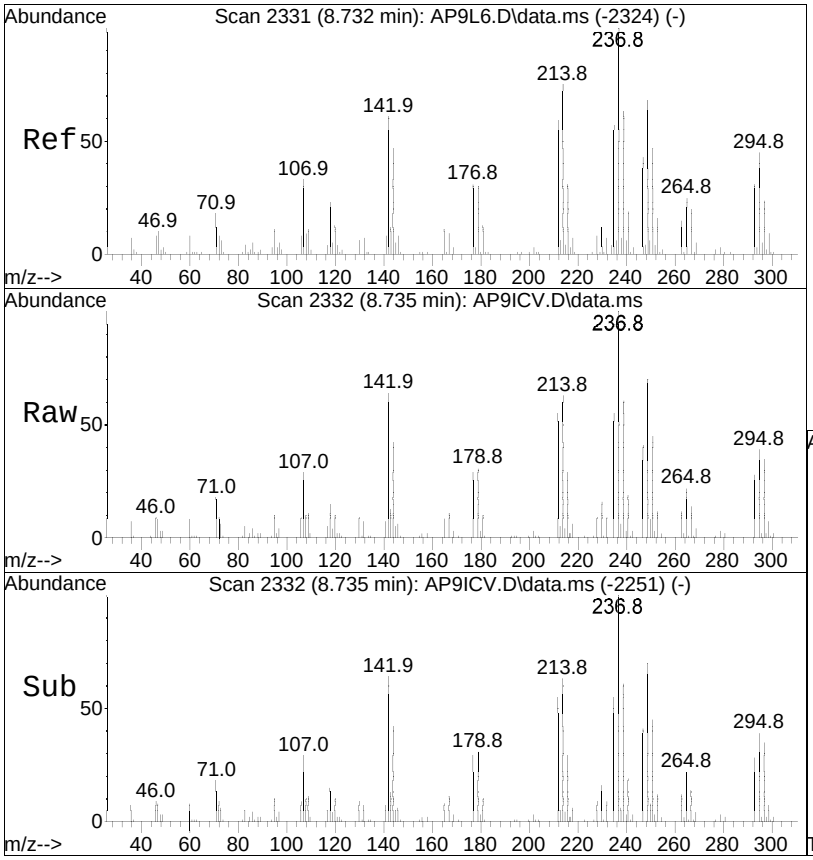


#84
Dichloran
Concen: 4.07 ug/ml
RT: 8.582 min Scan# 2283
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:206 Resp: 16481

Ion	Ratio	Lower	Upper
206	100		
176	99.0	104.6	157.0#
124	98.1	130.5	195.7#

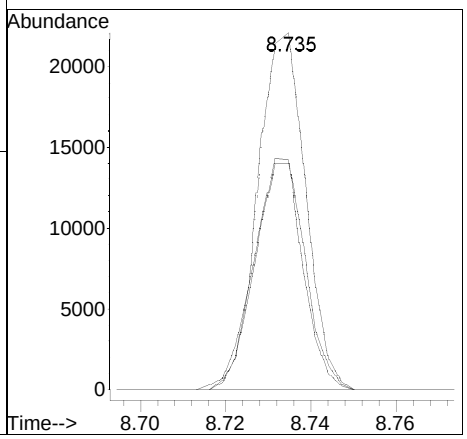


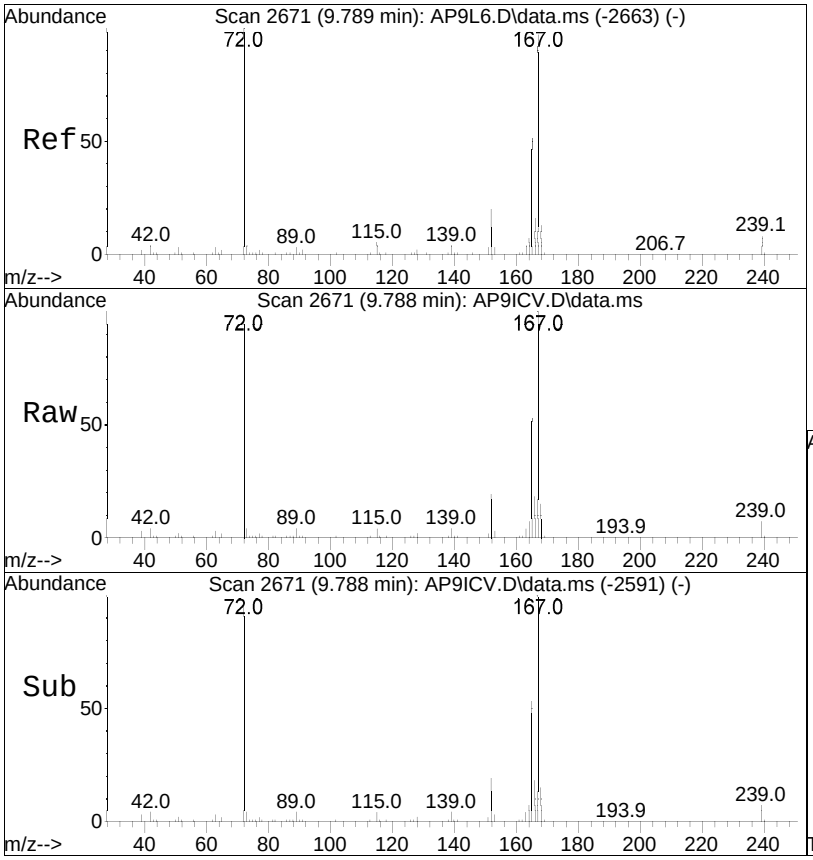


#85
Pentachloronitrobenzene
Concen: 4.54 ug/ml
RT: 8.735 min Scan# 2332
Delta R.T. 0.003 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:237 Resp: 17148

Ion	Ratio	Lower	Upper
237	100		
142	67.0	77.0	115.4#
214	67.4	58.2	87.4

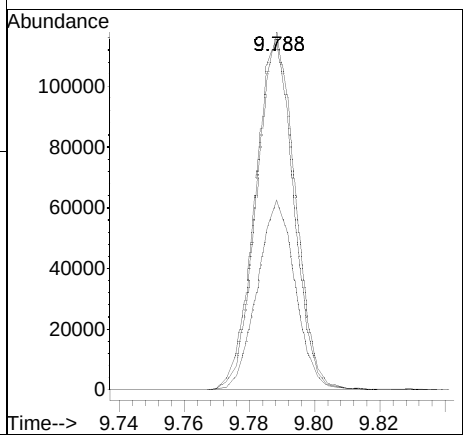




#99
Diphenamid
Concen: 4.57 ug/ml
RT: 9.788 min Scan# 2671
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 18 Jun 2024 8:41 pm

Tgt Ion:167 Resp: 95301

Ion	Ratio	Lower	Upper
167	100		
72	99.2	109.7	164.5#
165	52.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP9ICV.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 8:41 pm	Instrument	: Dakota
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/19/2024 10:05 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL9.D
Acq On : 18 Jun 2024 9:04 pm
Operator : Dakota:cmm
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1938219,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 19 21:56:10 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.524	152	27084	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery = 96.95%			
86)	IS3_Acenaphthene-d10	7.458	164	66371	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery = 98.52%			
100)	IS3_Phenanthrene-d10	8.881	188	156352	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery = 95.87%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.599	88	147965	48.558	ug/ml#	43
34)	n-Decane	4.421	57	332708	46.405	ug/ml#	30
87)	Atrazine	8.673	200	389103	52.106	ug/ml	91
101)	n-Octadecane	8.875	57	614484	49.225	ug/ml#	1
102)	Parathion	9.674	109	235912	49.646	ug/ml	93
103)	3,3'-Dimethylbenzidine	10.942	212	1640695	57.122	ug/ml	97

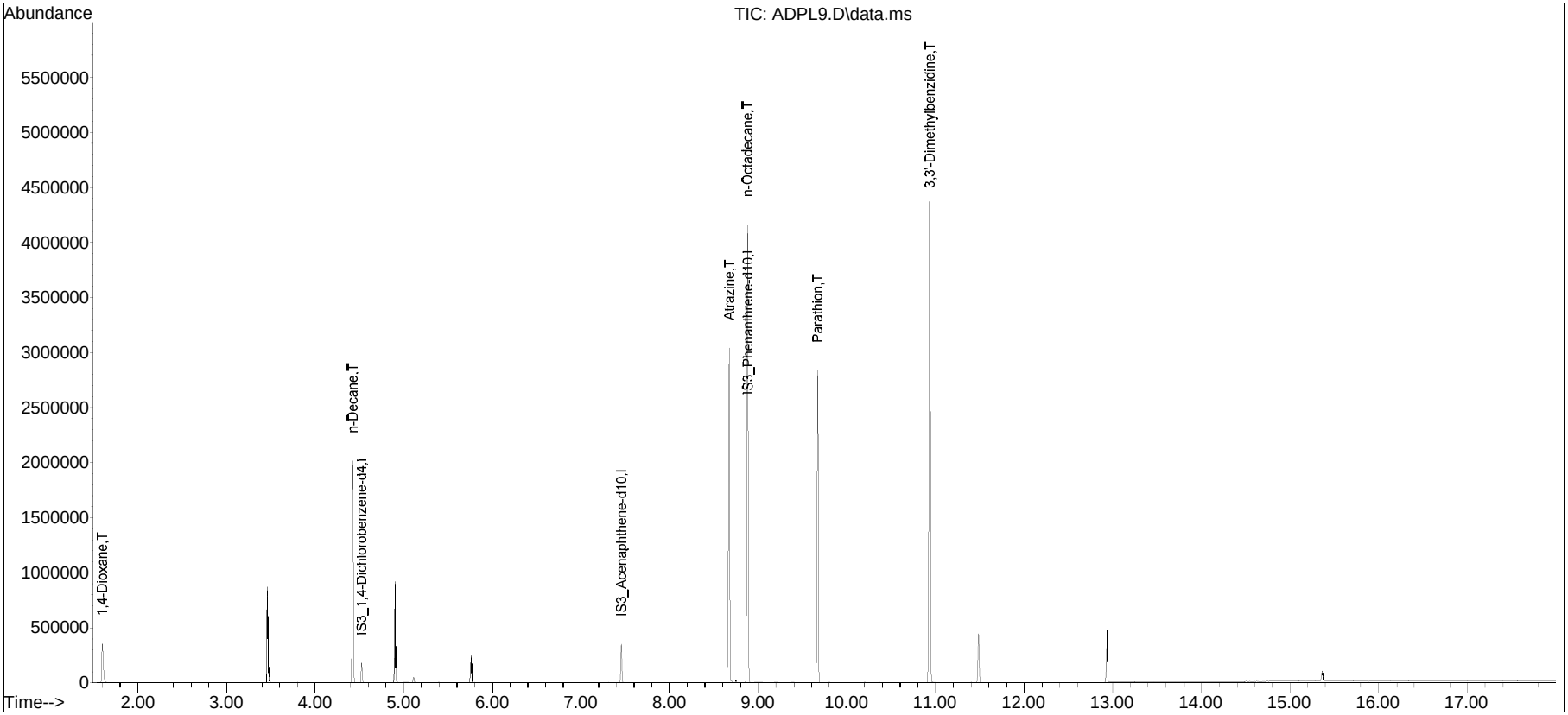
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL9.D
Acq On : 18 Jun 2024 9:04 pm
Operator : Dakota:cmm
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1938219,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 19 21:56:10 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL9.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 9:04 pm	Instrument	: Dakota
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 6/19/2024 9:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL8.D
Acq On : 18 Jun 2024 9:26 pm
Operator : Dakota:cmm
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1938219,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 19 21:55:59 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.527	152	27742	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery =	99.30%		
86)	IS3_Acenaphthene-d10	7.457	164	71046	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery =	105.46%		
100)	IS3_Phenanthrene-d10	8.881	188	163800	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery =	100.44%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.605	88	74785	23.960	ug/ml#	42
34)	n-Decane	4.421	57	173375	23.608	ug/ml#	31
87)	Atrazine	8.670	200	198209	24.796	ug/ml#	90
101)	n-Octadecane	8.875	57	319298	24.415	ug/ml#	1
102)	Parathion	9.674	109	115567	25.892	ug/ml	91
103)	3,3'-Dimethylbenzidine	10.939	212	883105	29.348	ug/ml	98

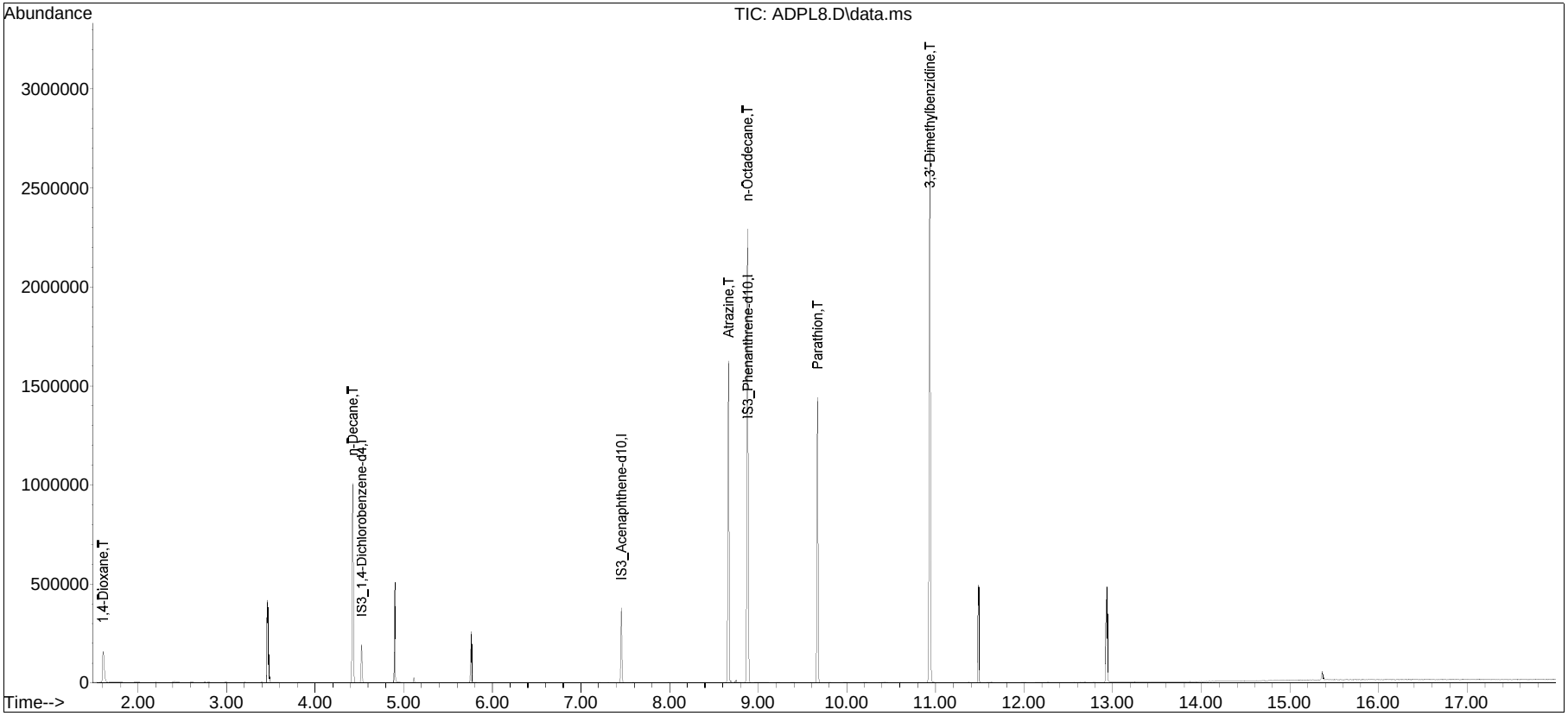
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL8.D
Acq On : 18 Jun 2024 9:26 pm
Operator : Dakota:cmm
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1938219,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 19 21:55:59 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL8.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 9:26 pm	Instrument	: Dakota
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 6/19/2024 9:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL7.D
Acq On : 18 Jun 2024 9:49 pm
Operator : Dakota:cmm
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1938219,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 19 21:55:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.527	152	30020	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery =	107.46%		
86)	IS3_Acenaphthene-d10	7.458	164	74233	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery =	110.20%		
100)	IS3_Phenanthrene-d10	8.881	188	177165	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery =	108.64%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.620	88	32647	9.666	ug/ml#	40
34)	n-Decane	4.424	57	74558	9.382	ug/ml#	29
87)	Atrazine	8.663	200	85465	10.233	ug/ml#	89
101)	n-Octadecane	8.872	57	137816	9.743	ug/ml#	1
102)	Parathion	9.670	109	45623	10.304	ug/ml	90
103)	3,3'-Dimethylbenzidine	10.935	212	363271	11.162	ug/ml	98

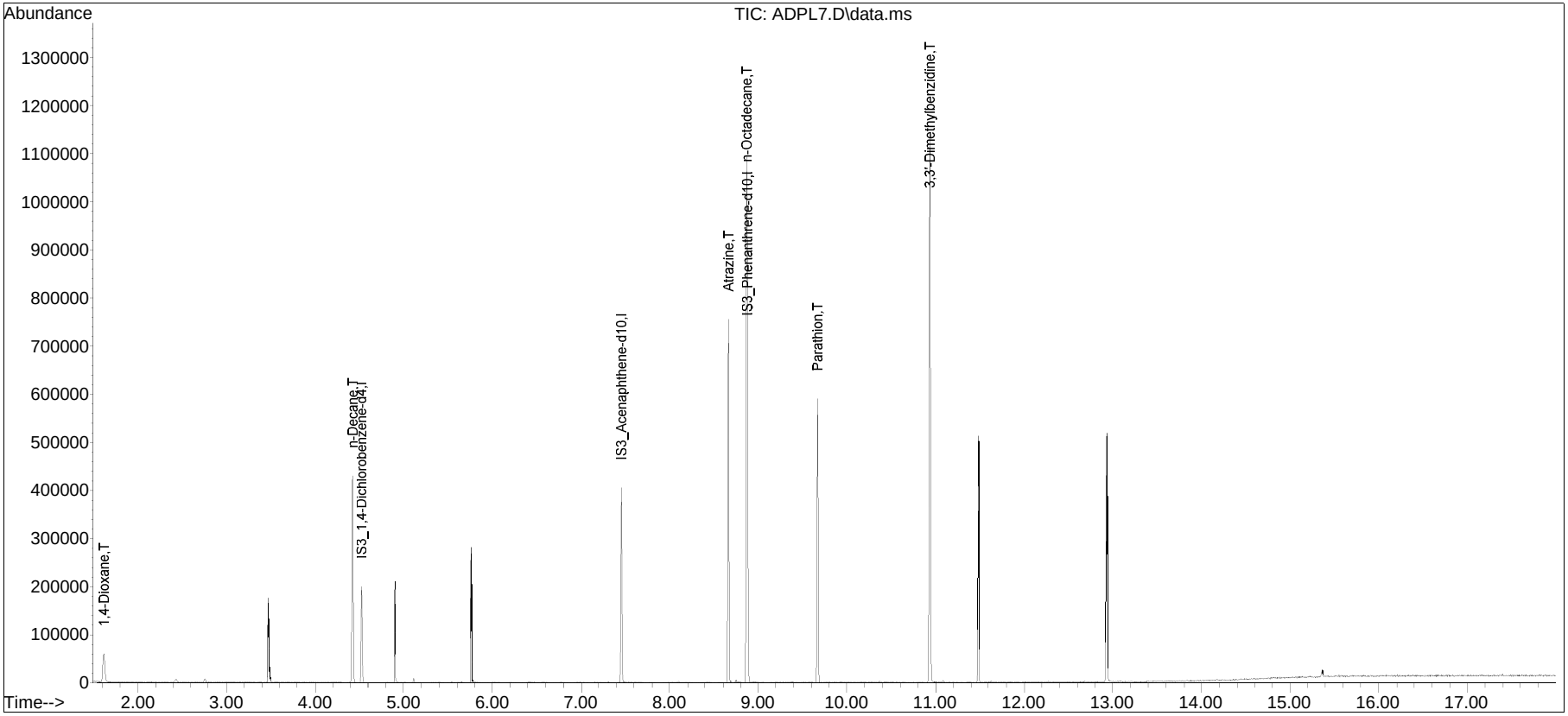
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL7.D
Acq On : 18 Jun 2024 9:49 pm
Operator : Dakota:cmm
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1938219,,
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 19 21:55:47 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL7.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 9:49 pm	Instrument	: Dakota
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 6/19/2024 9:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL6.D
Acq On : 18 Jun 2024 10:11 pm
Operator : Dakota:cmm
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1938219,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 19 21:55:35 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.526	152	27937	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery =	100.00%		
86)	IS3_Acenaphthene-d10	7.457	164	67365	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery =	100.00%		
100)	IS3_Phenanthrene-d10	8.881	188	163081	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery =	100.00%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.605	88	14122	4.493	ug/ml#	46
34)	n-Decane	4.421	57	31760	4.295	ug/ml#	30
87)	Atrazine	8.663	200	32605	4.302	ug/ml#	90
101)	n-Octadecane	8.872	57	57417	4.410	ug/ml#	1
102)	Parathion	9.670	109	16306	4.232	ug/ml	90
103)	3,3'-Dimethylbenzidine	10.932	212	138219	4.614	ug/ml	97

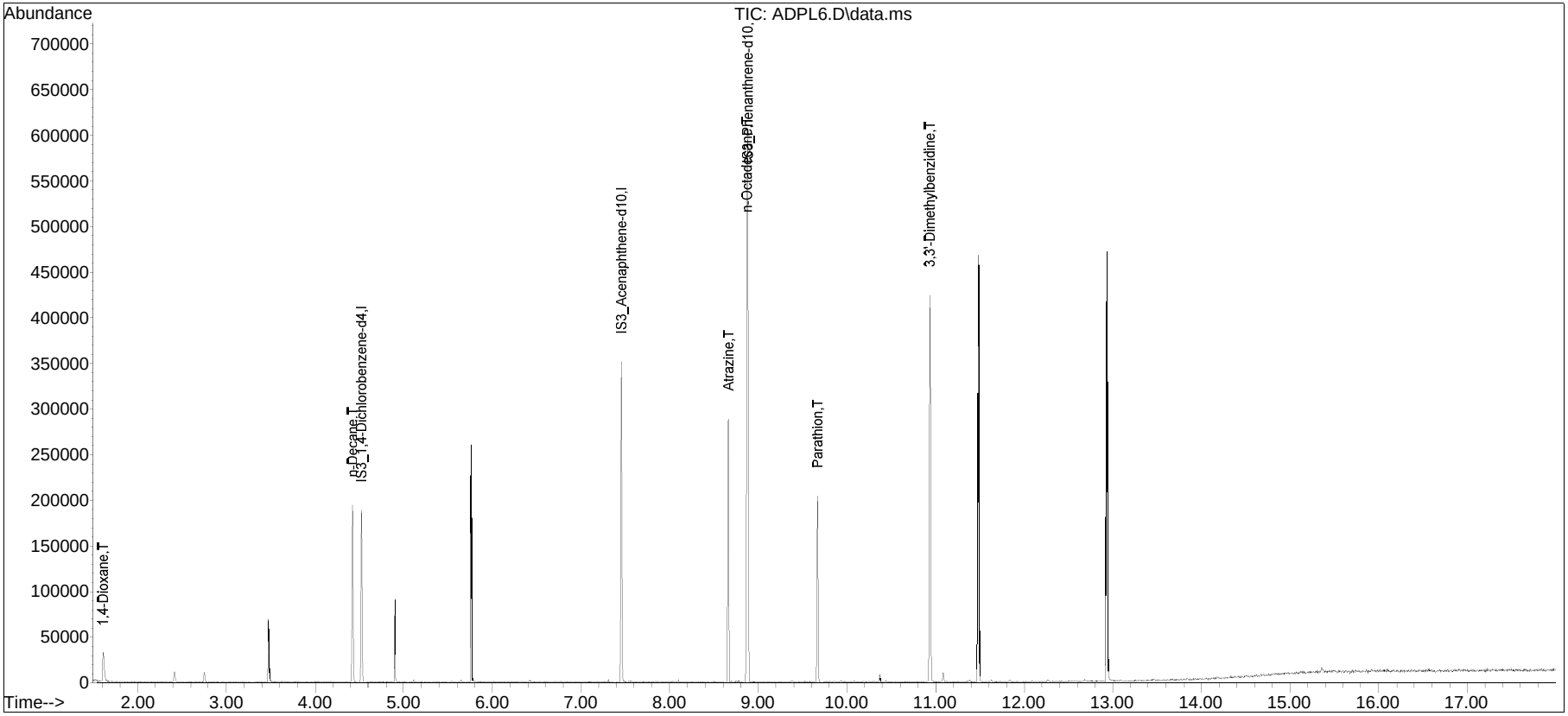
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL6.D
Acq On : 18 Jun 2024 10:11 pm
Operator : Dakota:cmm
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1938219,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 19 21:55:35 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL6.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 10:11 pm	Instrument	: Dakota
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 6/19/2024 9:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL5.D
Acq On : 18 Jun 2024 10:34 pm
Operator : Dakota:cmm
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1938219,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 19 21:55:24 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.526	152	27738	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery = 99.29%			
86)	IS3_Acenaphthene-d10	7.457	164	64886	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery = 96.32%			
100)	IS3_Phenanthrene-d10	8.881	188	153731	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery = 94.27%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.611	88	7353	2.356	ug/ml#	43
34)	n-Decane	4.421	57	16773	2.284	ug/ml#	28
87)	Atrazine	8.660	200	16566	2.269	ug/ml	93
101)	n-Octadecane	8.872	57	29591	2.411	ug/ml#	1
102)	Parathion	9.670	109	7790	2.252	ug/ml	91
103)	3,3'-Dimethylbenzidine	10.932	212	63722	2.256	ug/ml	98

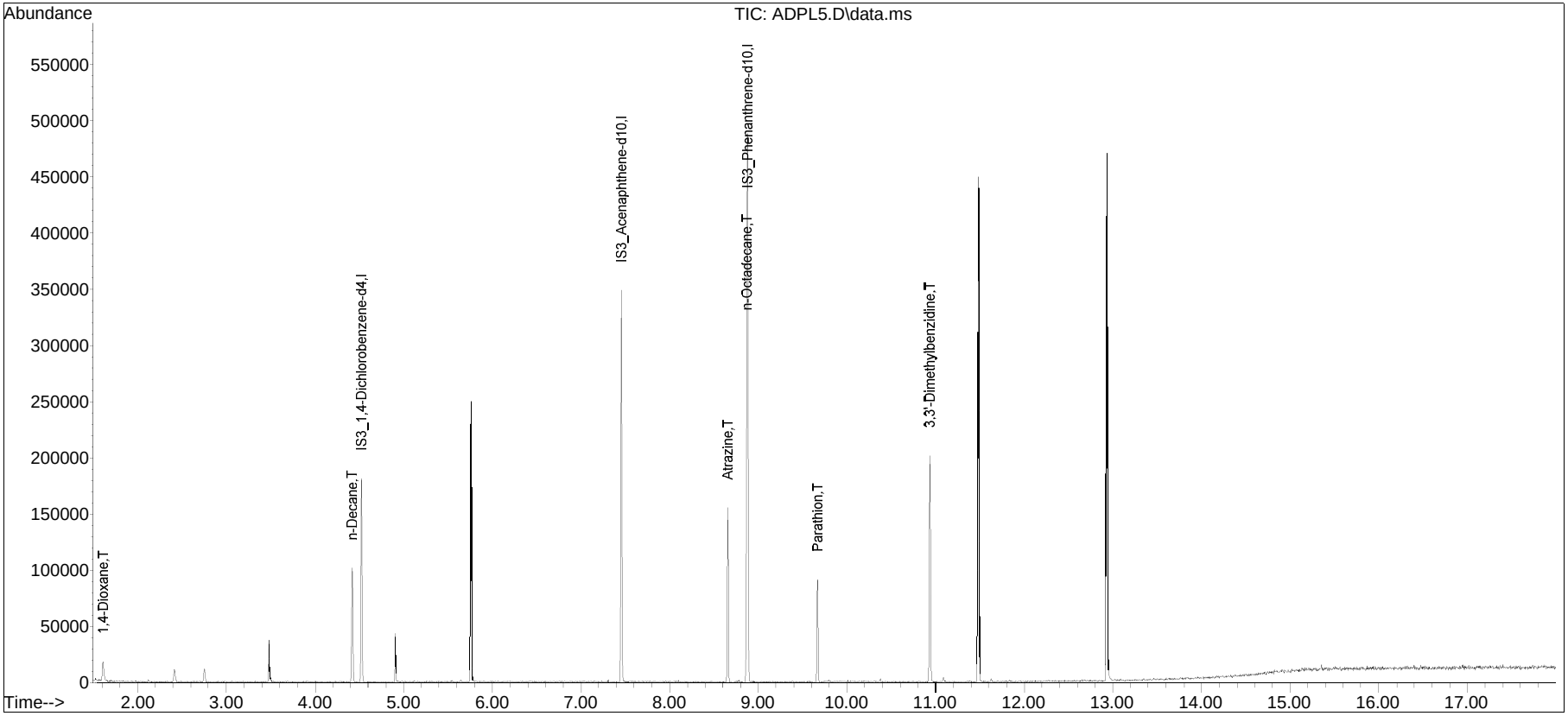
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL5.D
Acq On : 18 Jun 2024 10:34 pm
Operator : Dakota:cmm
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1938219,,
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 19 21:55:24 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL5.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 10:34 pm	Instrument	: Dakota
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 6/19/2024 9:56 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL4.D
Acq On : 18 Jun 2024 10:56 pm
Operator : Dakota:cmm
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1938219,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 19 21:55:12 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	4.526	152	27974	4.000	ug/ml	0.00
	Standard Area 1 = 27937			Recovery =	100.13%		
86)	IS3_Acenaphthene-d10	7.457	164	66121	4.000	ug/ml	0.00
	Standard Area 1 = 67365			Recovery =	98.15%		
100)	IS3_Phenanthrene-d10	8.881	188	163923	4.000	ug/ml	0.00
	Standard Area 1 = 163081			Recovery =	100.52%		
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.611	88	3640	1.157	ug/ml#	40
34)	n-Decane	4.424	57	8757	1.183	ug/ml#	35
87)	Atrazine	8.660	200	8061	1.084	ug/ml	90
101)	n-Octadecane	8.872	57	12723	0.972	ug/ml#	1
102)	Parathion	9.670	109	3555	1.069	ug/ml	91
103)	3,3'-Dimethylbenzidine	10.932	212	27450	0.912	ug/ml	98

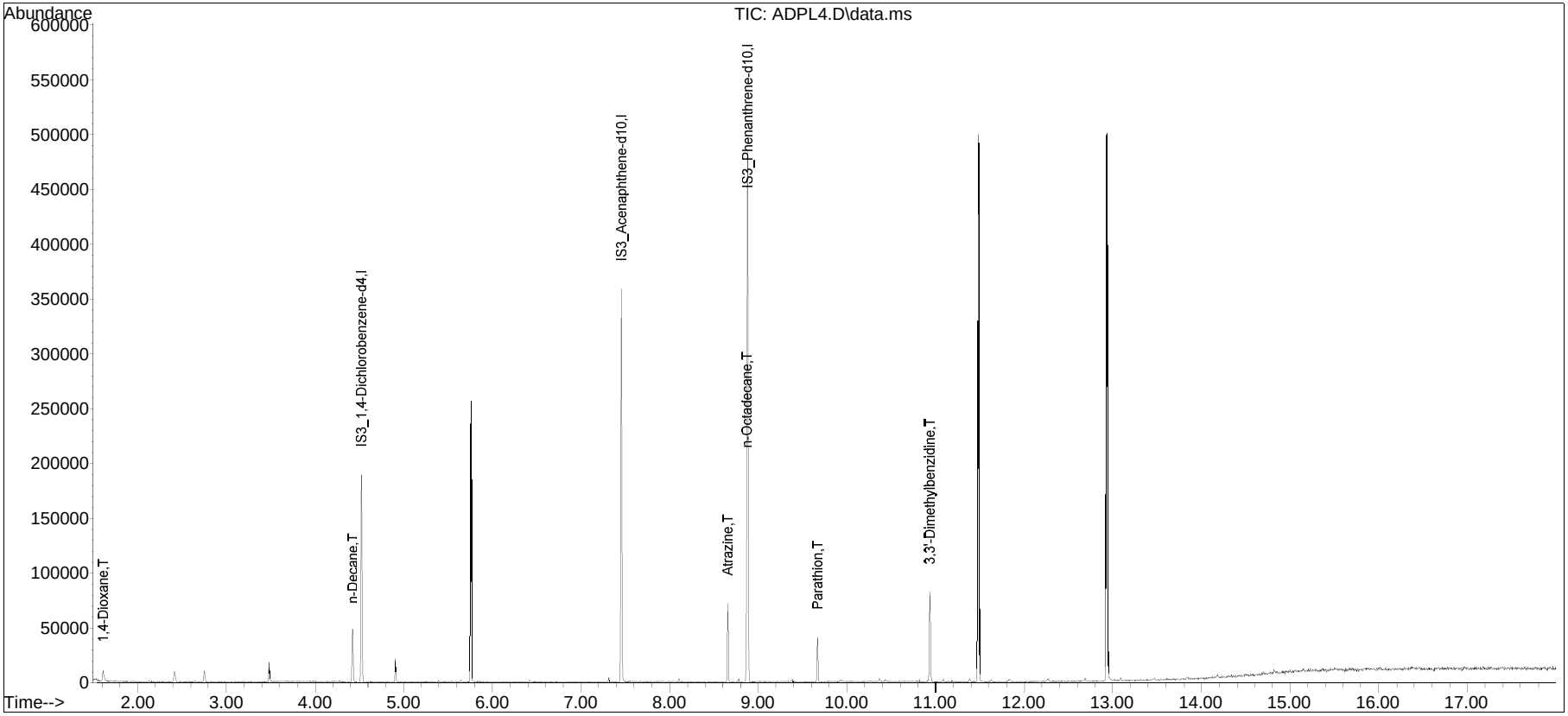
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL4.D
Acq On : 18 Jun 2024 10:56 pm
Operator : Dakota:cmm
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1938219,,
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 19 21:55:12 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL4.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 10:56 pm	Instrument	: Dakota
Sample	: IL7,32,,ADPL1 Lot# 10801	Quant Date	: 6/19/2024 9:55 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL3.D
Acq On : 18 Jun 2024 11:19 pm
Operator : Dakota:cmm
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1938219,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 19 21:55:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.527	152	27076	4.000	ug/ml	0.00
Standard Area 1 = 27937			Recovery =	96.92%		
86) IS3_Acenaphthene-d10	7.458	164	62951	4.000	ug/ml	0.00
Standard Area 1 = 67365			Recovery =	93.45%		
100) IS3_Phenanthrene-d10	8.881	188	150713	4.000	ug/ml	0.00
Standard Area 1 = 163081			Recovery =	92.42%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.621	88	1532	0.503	ug/ml#	28
34) n-Decane	4.424	57	3799	0.530	ug/ml#	34
87) Atrazine	8.660	200	3596	0.508	ug/ml#	87
101) n-Octadecane	8.872	57	6430	0.534	ug/ml#	1
102) Parathion	9.671	109	1414	0.562	ug/ml#	82
103) 3,3'-Dimethylbenzidine	10.932	212	11499	0.415	ug/ml	98

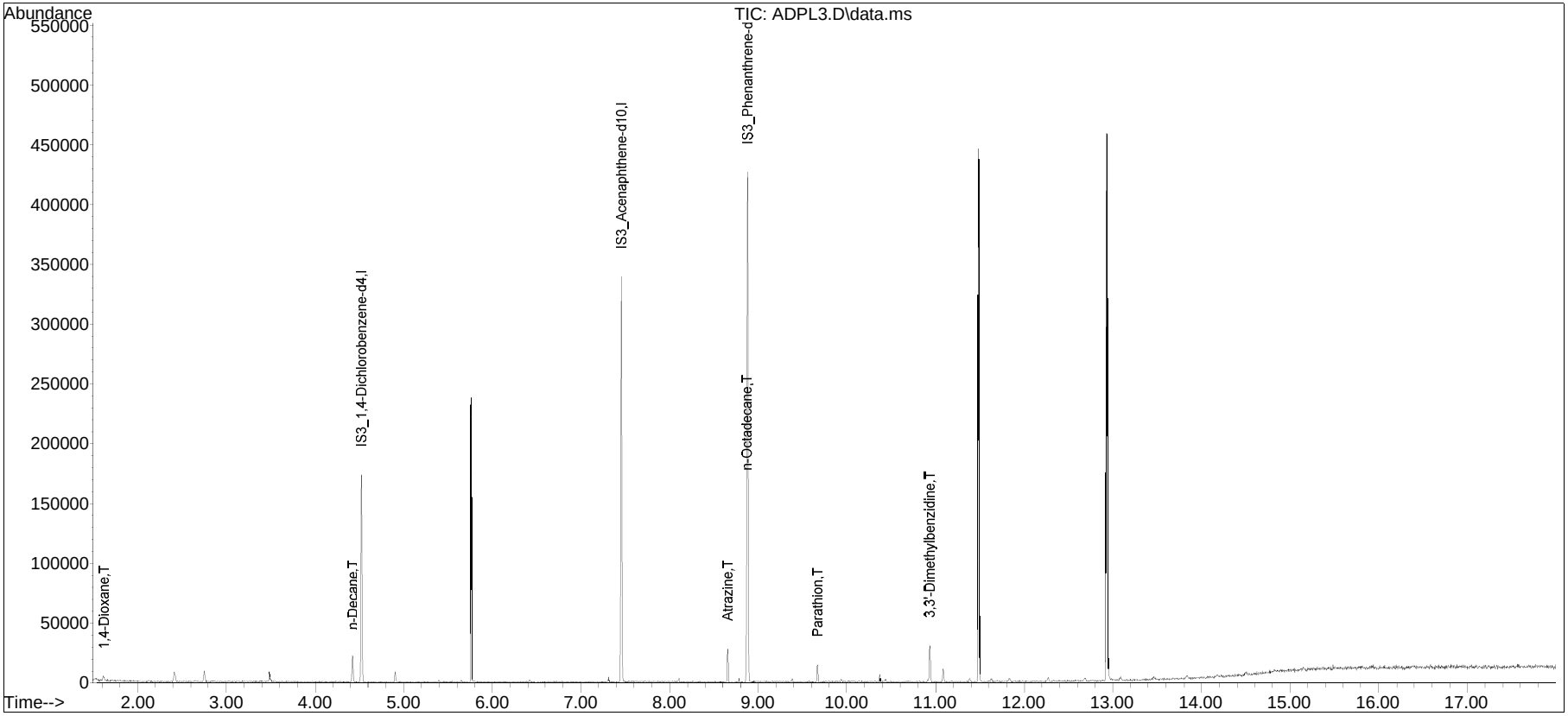
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL3.D
Acq On : 18 Jun 2024 11:19 pm
Operator : Dakota:cmm
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1938219,,
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 19 21:55:02 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL3.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 11:19 pm	Instrument	: Dakota
Sample	: IL8,32,,ADPL0.5 Lot# 10802	Quant Date	: 6/19/2024 9:55 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL2.D
Acq On : 18 Jun 2024 11:41 pm
Operator : Dakota:cmm
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1938219,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 19 21:54:50 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.527	152	28470	4.000	ug/ml	0.00
Standard Area 1 = 27937			Recovery =	101.91%		
86) IS3_Acenaphthene-d10	7.457	164	67997	4.000	ug/ml	0.00
Standard Area 1 = 67365			Recovery =	100.94%		
100) IS3_Phenanthrene-d10	8.881	188	163240	4.000	ug/ml	0.00
Standard Area 1 = 163081			Recovery =	100.10%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.620	88	705	0.220	ug/ml#	56
34) n-Decane	4.418	57	1656	0.220	ug/ml#	36
87) Atrazine	8.660	200	1474	0.193	ug/ml	91
101) n-Octadecane	8.872	57	2780	0.213	ug/ml#	1
102) Parathion	9.670	109	527	0.308	ug/ml#	56
103) 3,3'-Dimethylbenzidine	10.932	212	3939	0.131	ug/ml#	94

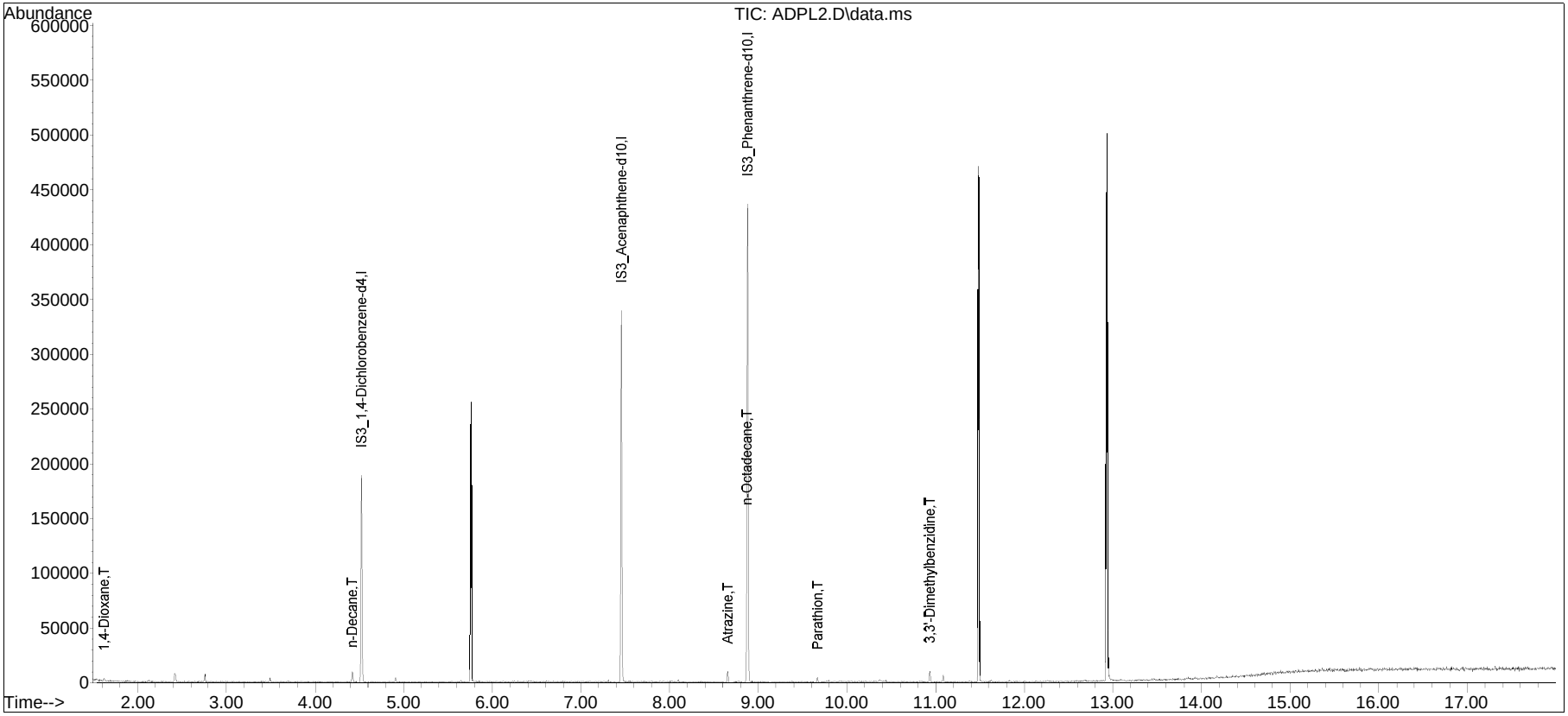
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL2.D
Acq On : 18 Jun 2024 11:41 pm
Operator : Dakota:cmm
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1938219,,
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 19 21:54:50 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL2.D	Operator	: Dakota:cmm
Date Inj'd	: 6/18/2024 11:41 pm	Instrument	: Dakota
Sample	: IL9,32,,ADPL0.2 Lot# 10803	Quant Date	: 6/19/2024 9:55 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL1.D
Acq On : 19 Jun 2024 12:04 am
Operator : Dakota:cmm
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1938219,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 21:54:38 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.527	152	28979	4.000	ug/ml	0.00
Standard Area 1 = 27937			Recovery =	103.73%		
86) IS3_Acenaphthene-d10	7.458	164	66872	4.000	ug/ml	0.00
Standard Area 1 = 67365			Recovery =	99.27%		
100) IS3_Phenanthrene-d10	8.881	188	156257	4.000	ug/ml	0.00
Standard Area 1 = 163081			Recovery =	95.82%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	0.000		0	N.D.		
34) n-Decane	4.421	57	825	0.108	ug/ml#	52
87) Atrazine	8.660	200	837	0.111	ug/ml#	33
101) n-Octadecane	8.872	57	1386	0.111	ug/ml#	1
102) Parathion	0.000		0	N.D.		
103) 3,3'-Dimethylbenzidine	10.929	212	1798	0.063	ug/ml#	62

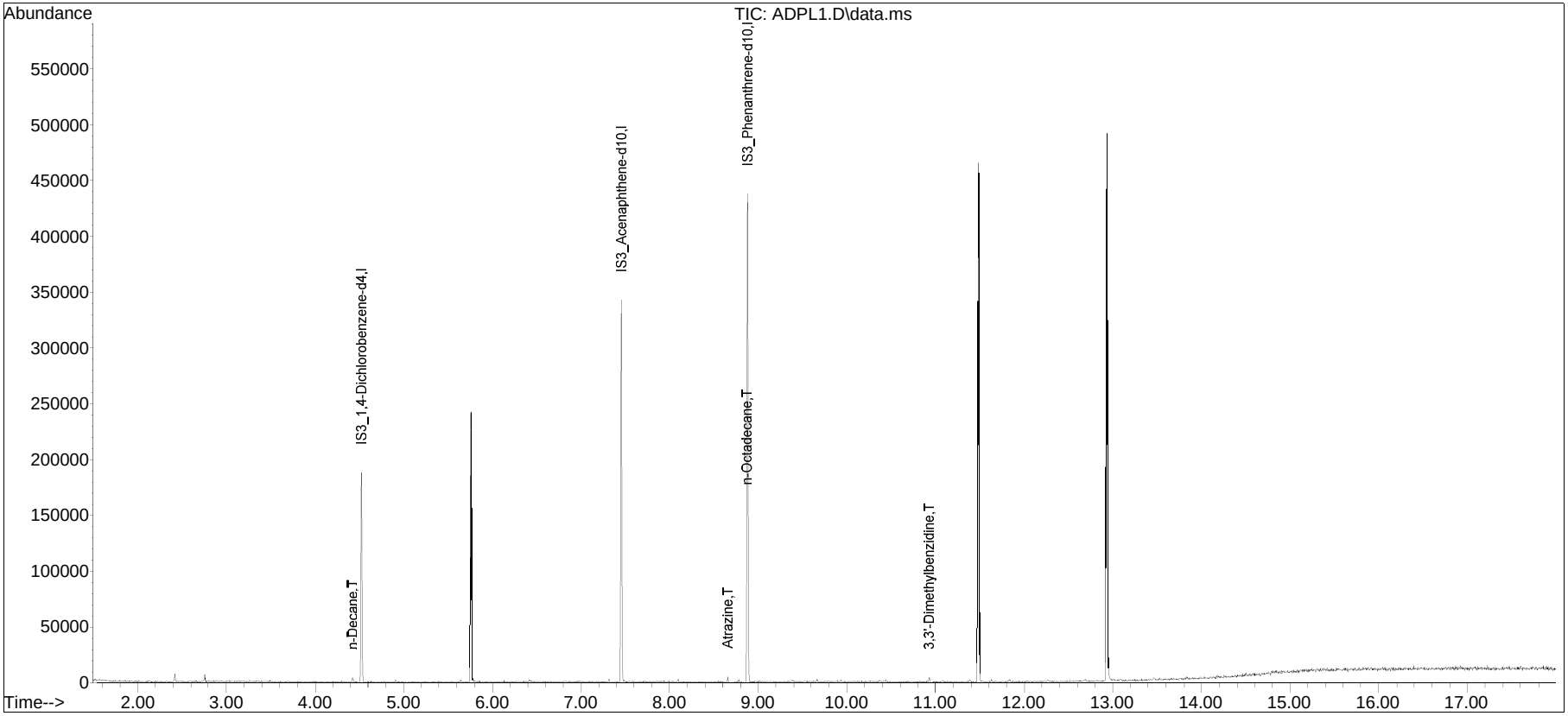
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPL1.D
Acq On : 19 Jun 2024 12:04 am
Operator : Dakota:cmm
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1938219,,
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 21:54:38 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPL1.D	Operator	: Dakota:cmm
Date Inj'd	: 6/19/2024 12:04 am	Instrument	: Dakota
Sample	: IL10,32,,ADPL0.1 Lot# 1080	Quant Date	: 6/19/2024 9:55 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPICV.D
Acq On : 19 Jun 2024 12:26 am
Operator : Dakota:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1938219,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 15:28:58 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	91	0.00
33	T	1,4-Dioxane		0.450	0.425	5.6	95	0.00
34	T	n-Decane		1.059	0.974	8.0	97	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	89	0.00
87	T	Atrazine		0.450	0.381	15.3	88	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	90	0.00
101	T	n-Octadecane		0.319	0.294	7.8	94	0.00
102	T	Parathion	*	5.000	4.087	18.3	86	0.00
103	T	3,3'-Dimethylbenzidine		0.735	0.630	14.3	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPICV.D
Acq On : 19 Jun 2024 12:26 am
Operator : Dakota:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1938219,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 15:28:58 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240618ical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.526	152	25347	4.000	ug/ml	0.00
Standard Area 1 = 27937			Recovery =	90.73%		
86) IS3_Acenaphthene-d10	7.457	164	60087	4.000	ug/ml	0.00
Standard Area 1 = 67365			Recovery =	89.20%		
100) IS3_Phenanthrene-d10	8.881	188	146211	4.000	ug/ml	0.00
Standard Area 1 = 163081			Recovery =	89.66%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.608	88	13480	4.727	ug/ml#	39
34) n-Decane	4.421	57	30858	4.599	ug/ml#	29
87) Atrazine	8.663	200	28600	4.230	ug/ml	91
101) n-Octadecane	8.872	57	53752	4.605	ug/ml#	1
102) Parathion	9.670	109	14087	4.087	ug/ml	89
103) 3,3'-Dimethylbenzidine	10.935	212	115192	4.289	ug/ml	99

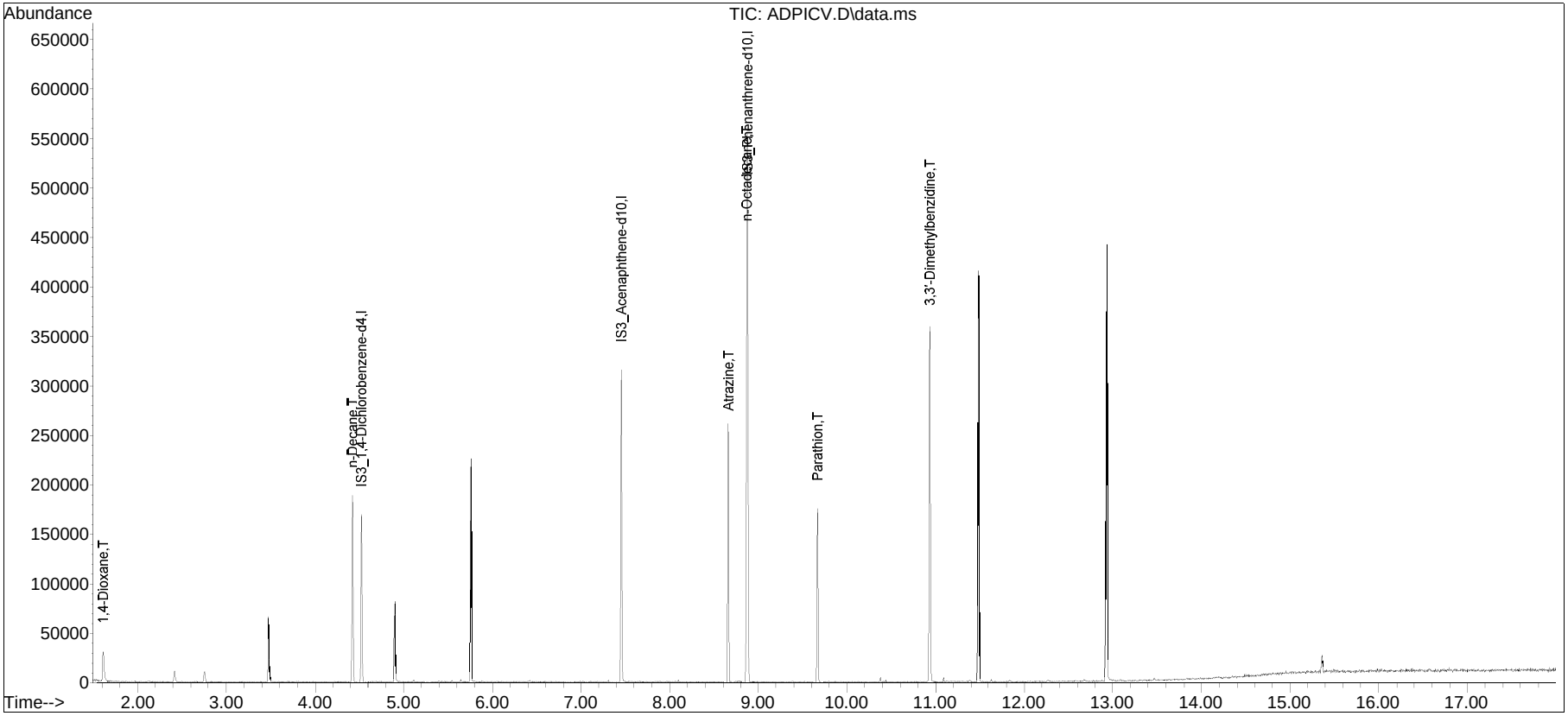
(#) = qualifier out of range (m) = manual integration (+) = signals summed

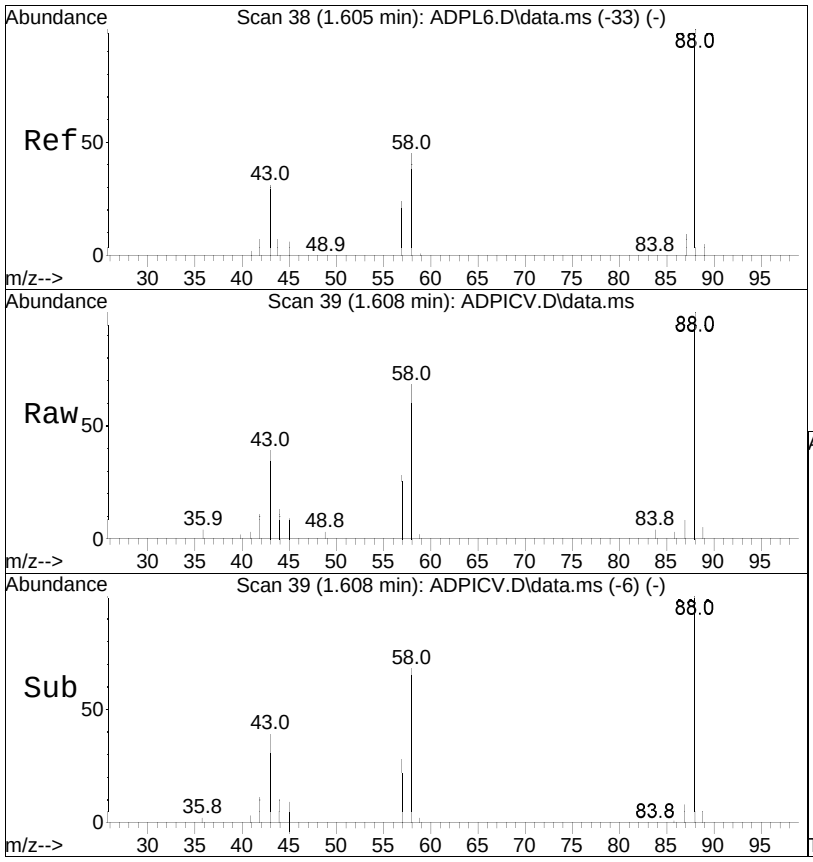
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240618ical\
Data File : ADPICV.D
Acq On : 19 Jun 2024 12:26 am
Operator : Dakota:cmm
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1938219,,
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 15:28:58 2024
Quant Method : I:\8270\Dakota\240618ical\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 19 21:54:56 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistcal\ADPL6.D•

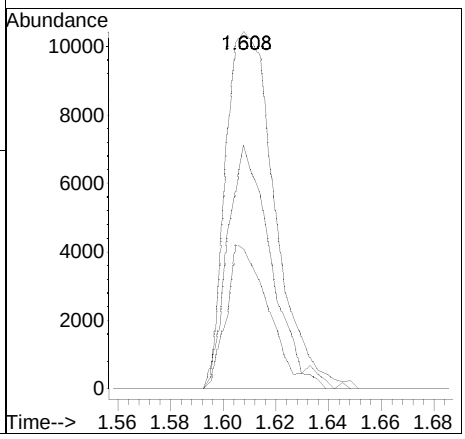


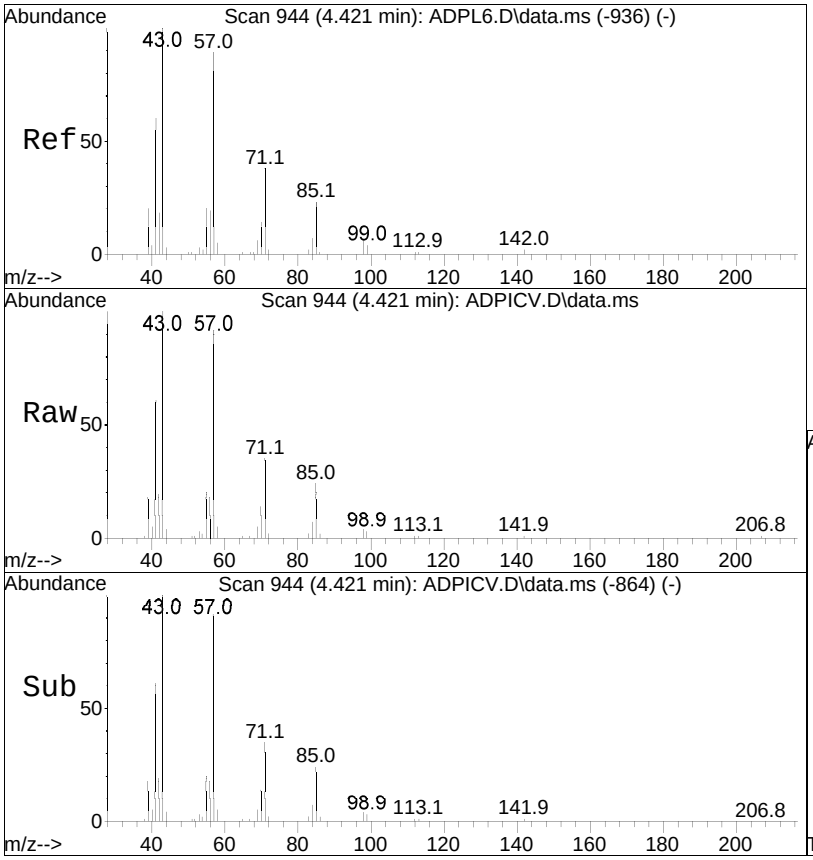


#33
1,4-Dioxane
Concen: 4.73 ug/ml
RT: 1.608 min Scan# 39
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion: 88 Resp: 13480

Ion	Ratio	Lower	Upper
88	100		
58	61.0	16.0	24.0#
43	35.0	16.0	24.0#

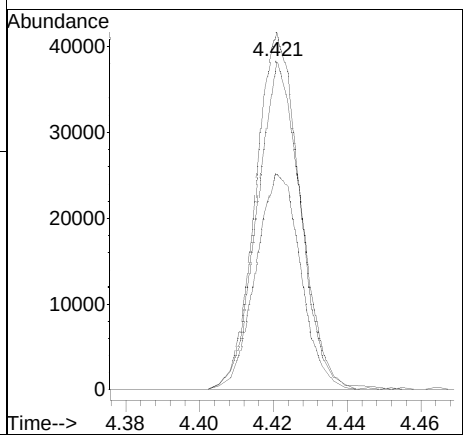


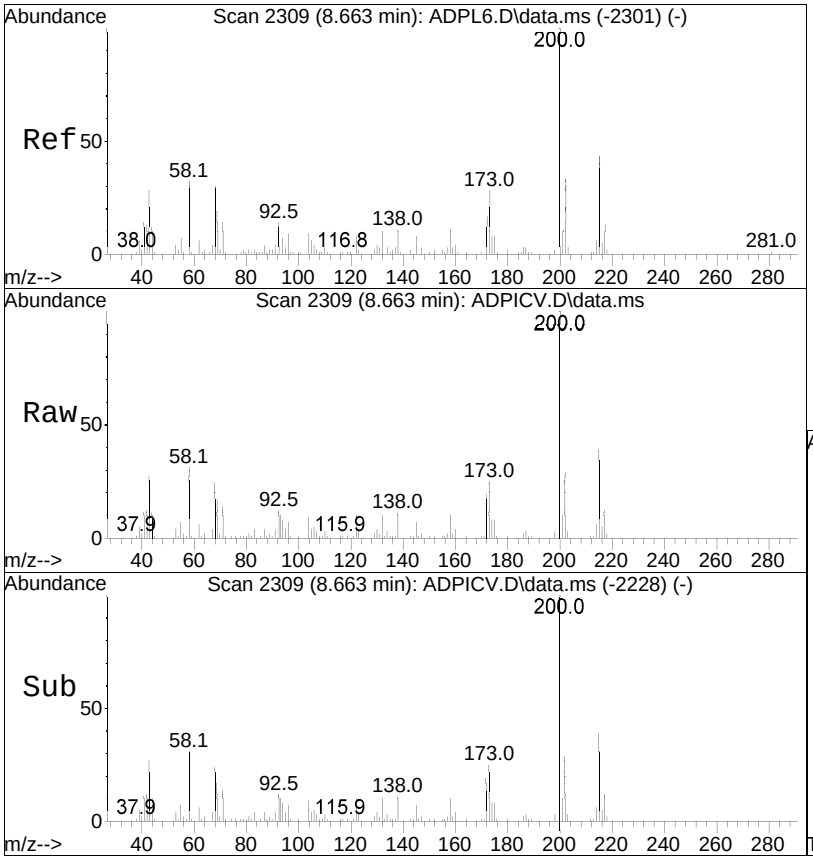


#34
n-Decane
Concen: 4.60 ug/ml
RT: 4.421 min Scan# 944
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion: 57 Resp: 30858

Ion	Ratio	Lower	Upper
57	100		
43	112.3	0.2	0.2#
41	68.9	0.2	0.2#

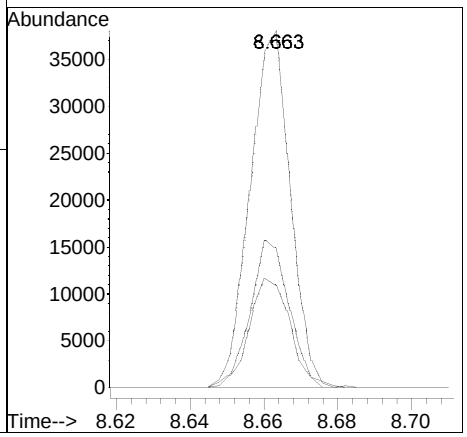


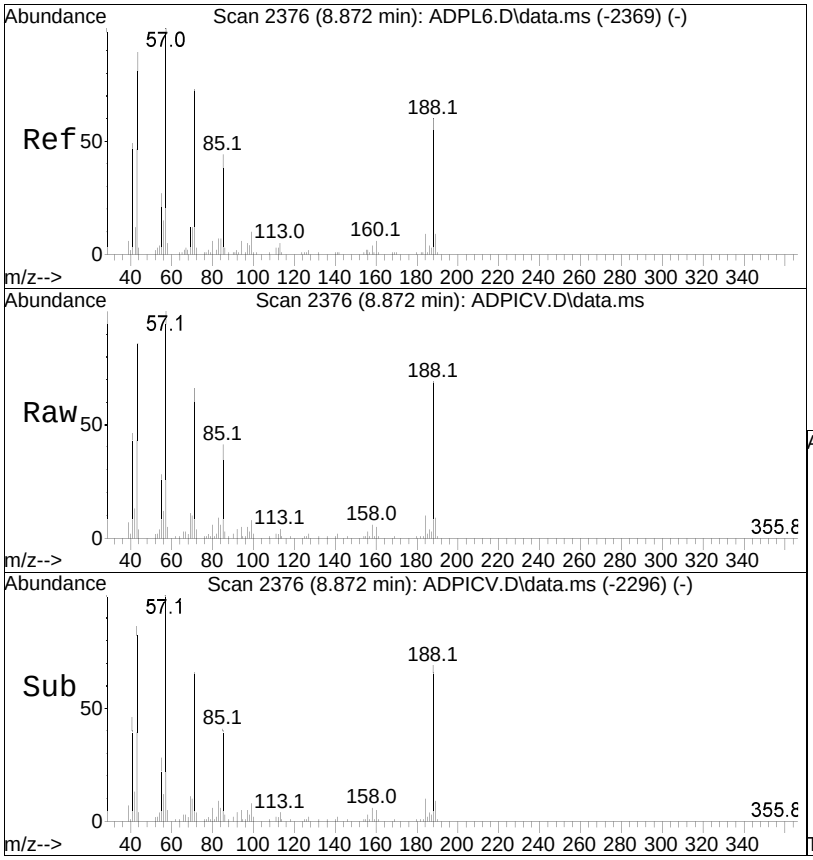


#87
Atrazine
Concen: 4.23 ug/ml
RT: 8.663 min Scan# 2309
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion:200 Resp: 28600

Ion	Ratio	Lower	Upper
200	100		
202	31.0	25.8	38.6
215	40.6	40.2	60.4

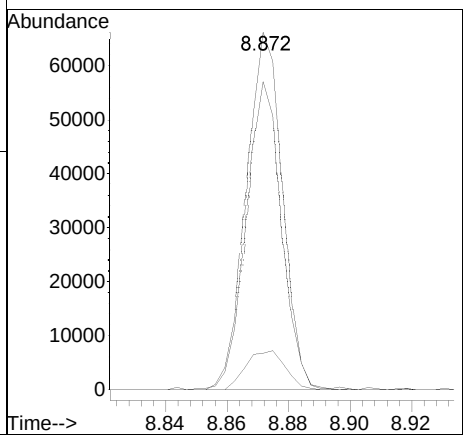


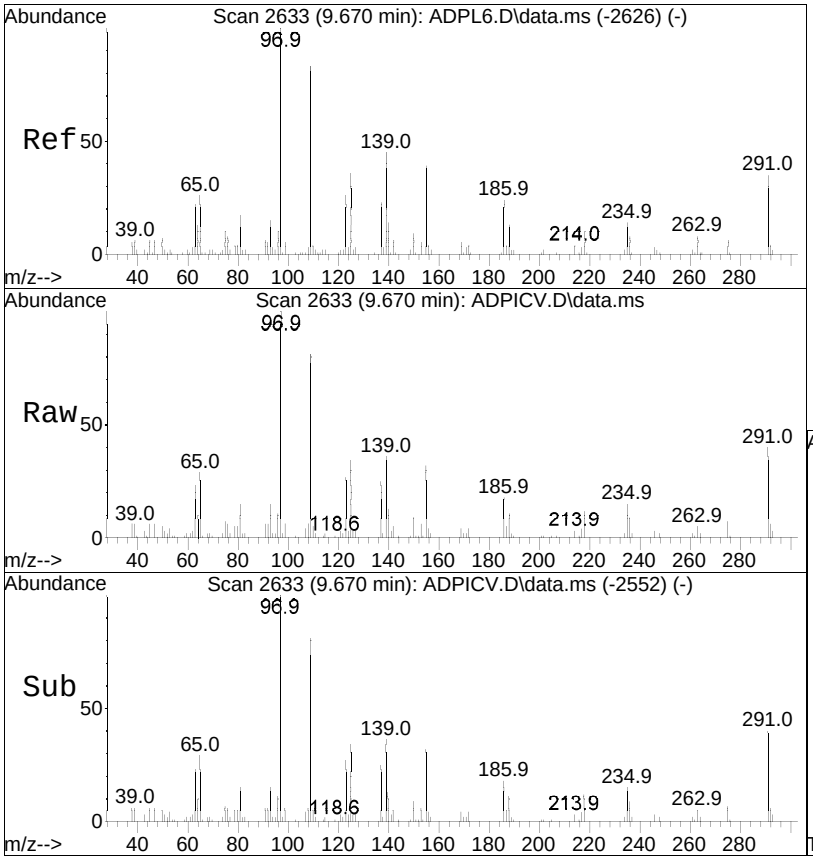


#101
n-Octadecane
Concen: 4.60 ug/ml
RT: 8.872 min Scan# 2376
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion: 57 Resp: 53752

Ion	Ratio	Lower	Upper
57	100		
43	84.3	9.0	13.6#
70	11.9	0.2	0.2#

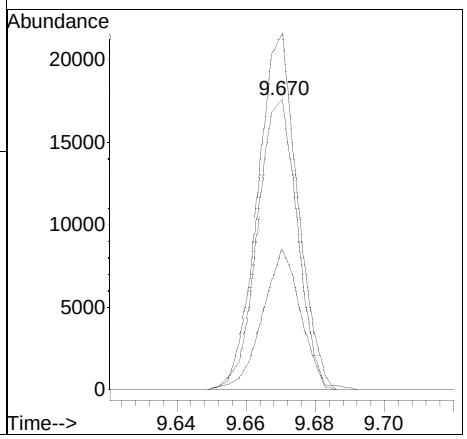


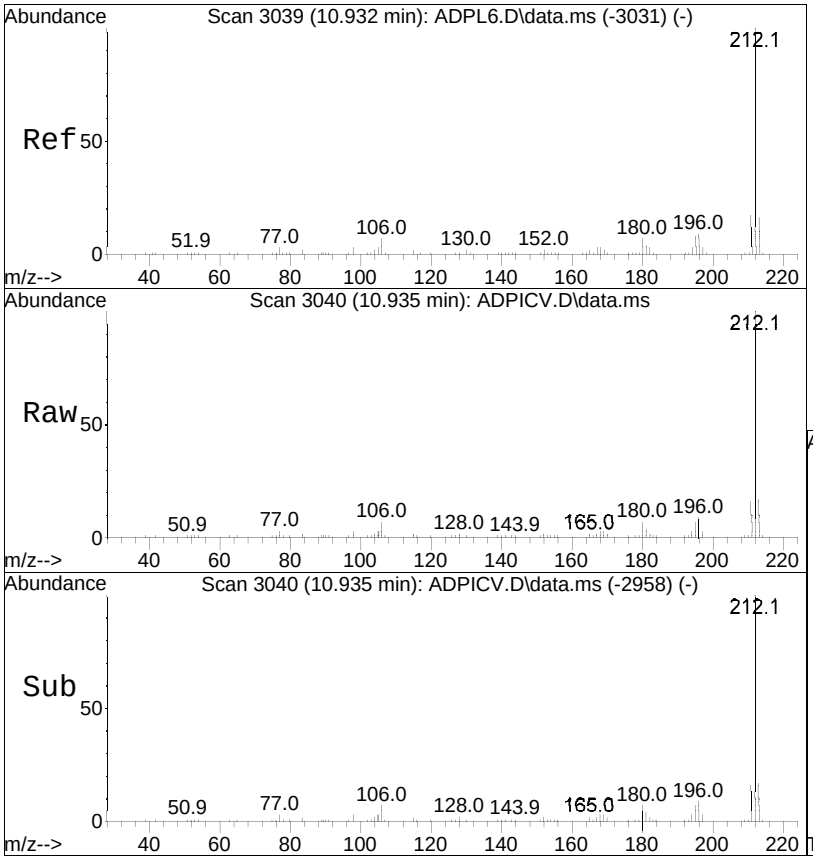


#102
Parathion
Concen: 4.09 ug/ml
RT: 9.670 min Scan# 2633
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion:109 Resp: 14087

Ion	Ratio	Lower	Upper
109	100		
97	122.4	87.4	131.2
291	46.3	34.2	51.2

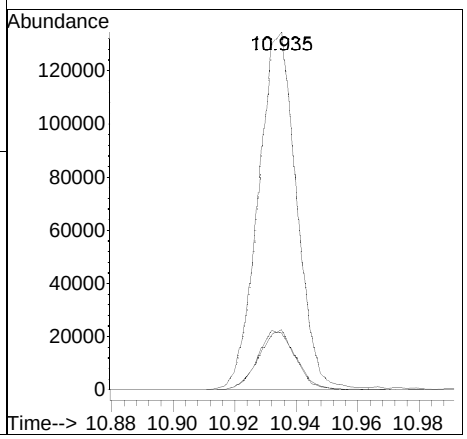




#103
3,3'-Dimethylbenzidine
Concen: 4.29 ug/ml
RT: 10.935 min Scan# 3040
Delta R.T. 0.003 min
Lab File: ADPICV.D
Acq: 19 Jun 2024 12:26 am

Tgt Ion:212 Resp: 115192

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	16.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\240618ical\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADPICV.D	Operator	: Dakota:cmm
Date Inj'd	: 6/19/2024 12:26 am	Instrument	: Dakota
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 6/19/2024 9:54 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report Dakota

Method Path : I:\8270\Dakota\240618ical\
Method File : FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 19 22:04:59 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.367	-12.7	1.00	1.252	25.2
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.524	-9.5	0.50	0.591	18.2
102	T Parathion	Q	ug/ml	5.0	4.232	-15.4	0.50	0.562	12.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.996160	0.000000	0.275479	-0.0525195
66	T 2,4-Dinitrophenol	Linear	0.998831	0.000000	0.228678	-0.017508
102	T Parathion	Quadratic	0.997994	0.002065	0.0962807	-0.00418977

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.938	0.956	0.854	0.853	0.774	0.776	0.841	0.822	0.847	0.851	7.32
3)	t	Pyridine	1.526	1.555	1.355	1.366	1.292	1.282	1.394	1.350	1.411	1.392	6.76
4)	S	2-Fluorophenol	1.089	1.386	1.143	1.143	1.065	1.079	1.163	1.151	1.186	1.156	8.25
5)	T	Aniline	2.443	2.265	1.992	1.939	1.902	1.866	1.994	1.977	2.059	2.049	9.15
6)	t	2-Chlorophenol	1.386	1.452	1.391	1.240	1.207	1.148	1.258	1.242	1.266	1.288	7.73
7)	S	Phenol-d6	1.942	1.694	1.620	1.534	1.453	1.415	1.522	1.518	1.547	1.583	9.98
8)	T	Phenol	1.941	1.738	1.608	1.689	1.523	1.491	1.603	1.574	1.610	1.642	8.23
9)	T	bis(2-Chloroethyl)ether	1.531	1.511	1.439	1.305	1.256	1.224	1.308	1.272	1.289	1.348	8.51
10)	T	1,3-Dichlorobenzene	1.770	1.860	1.537	1.485	1.464	1.395	1.479	1.444	1.484	1.546	10.25
11)	T	1,4-Dichlorobenzene	1.885	1.638	1.678	1.555	1.449	1.398	1.506	1.482	1.494	1.565	9.52
12)	T	1,2-Dichlorobenzene	1.871	1.694	1.613	1.485	1.397	1.362	1.429	1.421	1.428	1.522	11.13
13)	t	Benzyl alcohol	1.371	1.433	1.236	1.188	1.183	1.159	1.257	1.271	1.309	1.267	7.18
14)	T	bis(2-chloroisopropyl)ether	2.653	2.552	2.257	2.073	2.015	1.932	2.079	1.986	1.948	2.166	12.30
15)	T	2-Methylphenol	1.300	1.270	1.235	1.174	1.110	1.086	1.178	1.131	1.160	1.183	6.14
16)	T	Hexachloroethane	0.743	0.741	0.665	0.601	0.559	0.541	0.597	0.572	0.585	0.623	12.20
17)	T	n-Nitrosodi-n-propylamine	1.092	1.105	1.007	1.074	1.024	0.994	1.084	1.053	1.080	1.057	3.76
18)	T	3-Methylphenol/4-Methylphenol	1.363	1.465	1.312	1.247	1.165	1.157	1.277	1.243	1.280	1.279	7.46
19)	S	Nitrobenzene-d5	1.858	1.740	1.746	1.543	1.455	1.453	1.603	1.562	1.608	1.619	8.50
20)	T	Nitrobenzene	2.001	1.775	1.612	1.641	1.491	1.459	1.644	1.560	1.605	1.643	9.91
21)	T	Isophorone	3.029	2.785	2.705	2.724	2.638	2.597	2.820	2.731	2.813	2.760	4.54
22)	T	2-Nitrophenol	0.681	0.806	0.655	0.635	0.660	0.645	0.712	0.705	0.728	0.692	7.72
23)	T	2,4-Dimethylphenol	1.634	1.347	1.227	1.258	1.205	1.186	1.292	1.260	1.305	1.301	10.34
24)	T	bis(2-Chloroethoxy)methane	2.153	2.035	1.866	1.675	1.631	1.604	1.731	1.640	1.664	1.778	11.08
25)	T	2,4-Dichlorophenol	1.380	1.311	1.180	1.195	1.162	1.144	1.245	1.226	1.254	1.233	6.11
26)	T	1,2,4-Trichlorobenzene	1.956	1.639	1.621	1.445	1.368	1.313	1.454	1.378	1.416	1.510	13.26
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.111	1.153	1.214	1.183	1.184	1.173	1.252	1.213	1.203	1.187	3.40
29)	T	Acetophenone	2.005	2.209	2.136	2.188	2.132	2.136	2.286	2.165	2.167	2.158	3.47
30)	T	m-Toluidine	1.720	2.008	1.857	1.996	1.941	1.939	2.087	2.049	2.015	1.957	5.70
31)	T	2-Chloroaniline	1.443	1.808	1.812	1.652	1.707	1.684	1.822	1.726	1.729	1.709	6.81
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.788	0.714	0.628	0.587	0.537	0.492	0.510	0.488	0.517	0.584	18.21
34)	T	n-Decane	1.716	1.735	1.686	1.811	1.628	1.542	1.639	1.564	1.638	1.662	5.08
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.303	1.431	1.242	1.087	1.054	1.010	1.077	1.039	1.079	1.147	12.58
37)	T	Benzoic Acid			0.131	0.164	0.227	0.258	0.303	0.315	0.334	*Q	0.9992
38)	T	4-Chloroaniline	0.173	0.208	0.167	0.154	0.164	0.158	0.169	0.162	0.167	0.169	9.29
39)	T	Hexachlorobutadiene	0.385	0.392	0.325	0.271	0.271	0.262	0.278	0.267	0.273	0.303	17.22
40)	T	p-Chloro-m-cresol	0.374	0.367	0.322	0.323	0.324	0.322	0.351	0.345	0.357	0.343	6.06
41)	T	2-Methylnaphthalene	0.892	0.877	0.774	0.747	0.728	0.691	0.731	0.704	0.734	0.764	9.47
42)	T	1-Methylnaphthalene	0.299	0.327	0.311	0.289	0.272	0.266	0.285	0.276	0.287	0.290	6.72
43)	T	Hexachlorocyclopentadiene	0.378	0.376	0.313	0.337	0.315	0.311	0.335	0.323	0.334	0.336	7.62
44)	T	2,4,6-Trichlorophenol	0.308	0.327	0.297	0.279	0.295	0.283	0.310	0.293	0.312	0.301	5.04
45)	T	2,4,5-Trichlorophenol	0.348	0.309	0.337	0.309	0.317	0.311	0.329	0.314	0.323	0.322	4.32

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.238	1.188	1.067	0.970	0.976	0.920	0.987	0.926	0.972	1.027	11.12
47)	T	2-Chloronaphthalene	0.931	0.978	0.829	0.784	0.761	0.738	0.778	0.744	0.771	0.813	10.49
48)	T	2-Nitroaniline	0.268	0.254	0.237	0.225	0.230	0.233	0.256	0.246	0.254	0.245	5.94
49)	T	1,4-Dinitrobenzene	0.102	0.146	0.128	0.126	0.121	0.122	0.139	0.136	0.140	0.129	10.28
50)	T	1,3-Dinitrobenzene	0.169	0.131	0.141	0.145	0.139	0.143	0.157	0.148	0.148	0.147	7.48
51)	T	Dimethyl phthalate	1.130	1.111	1.037	0.925	0.941	0.923	0.970	0.913	0.952	0.989	8.42
52)	T	Acenaphthylene	1.297	1.377	1.312	1.193	1.179	1.169	1.255	1.182	1.232	1.244	5.79
53)	T	2,6-Dinitrotoluene	0.236	0.213	0.202	0.202	0.210	0.206	0.221	0.209	0.216	0.213	5.02
54)	T	1,2-Dinitrobenzene	0.096	0.089	0.094	0.088	0.086	0.089	0.095	0.090	0.092	0.091	3.82
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.395	0.407	0.383	0.389	0.397	0.396	0.419	0.409	0.406	0.400	2.77
57)	T	3-Chloroaniline	0.202	0.187	0.203	0.200	0.200	0.199	0.208	0.203	0.203	0.201	2.82
58)	T	2,6-Dichlorophenol	0.300	0.375	0.339	0.357	0.362	0.374	0.392	0.378	0.378	0.362	7.68
59)	T	1-chloro-2-nitrobenzene	0.152	0.179	0.191	0.180	0.180	0.185	0.189	0.183	0.184	0.180	6.36
60)	T	Caprolactam	0.150	0.175	0.213	0.215	0.213	0.225	0.244	0.230	0.227	0.210	14.05
61)	T	1,2,4,5-Tetrachlorobenzene	0.596	0.583	0.579	0.544	0.531	0.530	0.537	0.516	0.519	0.548	5.43
62)	T	Biphenyl	1.132	1.104	1.120	1.094	1.057	1.061	1.093	1.046	1.050	1.084	2.94
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.248	0.338	0.326	0.319	0.317	0.318	0.331	0.337	0.341	0.319	8.83
65)	T	Acenaphthene	1.363	1.314	1.204	1.106	1.083	1.042	1.074	1.080	1.107	1.153	9.97
66)	T	2,4-Dinitrophenol			0.174	0.168	0.187	0.215	0.242	0.250	0.257	0.213	17.56
67)	T	Dibenzofuran	2.377	2.261	1.986	1.905	1.815	1.738	1.800	1.748	1.794	1.936	12.00
68)	T	2,4-Dinitrotoluene	0.506	0.560	0.460	0.452	0.441	0.460	0.460	0.463	0.471	0.475	7.73
69)	T	4-Nitrophenol	0.282	0.331	0.331	0.326	0.316	0.305	0.329	0.346	0.345	0.323	6.20
70)	T	2,3,5,6-Tetrachlorophenol	0.441	0.426	0.460	0.443	0.456	0.437	0.464	0.465	0.478	0.452	3.65
71)	T	2,3,4,6-Tetrachlorophenol	0.385	0.451	0.449	0.425	0.445	0.431	0.437	0.442	0.448	0.435	4.74
72)	T	Diethyl phthalate	1.707	1.826	1.602	1.465	1.488	1.399	1.423	1.414	1.441	1.529	9.81
73)	T	Fluorene	1.829	1.686	1.572	1.487	1.429	1.398	1.444	1.412	1.445	1.523	9.66
74)	T	4-Chlorophenyl-phenylether	0.920	0.966	0.887	0.754	0.766	0.703	0.750	0.723	0.745	0.801	11.96
75)	T	4-Nitroaniline	0.301	0.357	0.373	0.348	0.342	0.309	0.321	0.322	0.318	0.333	7.13
76)	T	4,6-Dinitro-o-cresol	0.180	0.212	0.253	0.269	0.274	0.278	0.297	0.314	0.317	0.266	17.15
77)	T	NDPA/DPA	1.353	1.467	1.261	1.271	1.207	1.192	1.215	1.189	1.208	1.263	7.35
78)	T	Azobenzene	1.586	1.589	1.442	1.406	1.365	1.340	1.427	1.407	1.451	1.446	6.06
79)	S	2,4,6-Tribromophenol	0.233	0.268	0.232	0.253	0.245	0.244	0.253	0.252	0.264	0.249	4.96
80)	T	4-Bromophenyl-phenylether	0.570	0.626	0.473	0.489	0.472	0.452	0.479	0.464	0.474	0.500	11.64
81)	T	Hexachlorobenzene	0.612	0.703	0.623	0.558	0.532	0.505	0.528	0.526	0.532	0.569	11.29
82)	T	Pentachlorophenol	0.346	0.345	0.300	0.323	0.361	0.371	0.392	0.404	0.409	0.361	10.19
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran	0.212	0.234	0.218	0.220	0.232	0.262	0.276	0.284	0.287	0.247	12.11
85)	T	Pentachloronitrobenzene	0.234	0.253	0.232	0.279	0.261	0.290	0.299	0.290	0.294	0.270	9.62
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.569	0.477	0.491	0.517	0.491	0.463	0.513	0.526	0.531	0.509	6.32
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.330	1.366	1.146	1.122	0.987	0.987	1.054	1.012	1.050	1.117	12.71
90)	T	Anthracene	1.346	1.213	1.150	1.084	0.998	1.020	1.080	1.029	1.074	1.111	9.97

Response Factor Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024
Response Via : Initial Calibration

Calibration Files
L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
L8 =ADPL8.D L9 =ADPL9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.222	1.101	1.027	1.019	0.920	0.926	0.999	0.969	0.976	1.018	9.28
92)	T	Di-n-butylphthalate	1.297	1.305	1.177	1.136	1.122	1.124	1.225	1.169	1.201	1.195	5.79
93)	T	Fluoranthene	1.673	1.551	1.365	1.334	1.226	1.231	1.329	1.288	1.296	1.366	10.96
94)	T	Benzidine	0.623	0.736	0.752	0.737	0.709	0.734	0.804	0.785	0.794	0.741	7.34
95)	T	Pyrene	1.722	1.662	1.471	1.406	1.298	1.301	1.394	1.337	1.368	1.440	10.65
96)	S	4-Terphenyl-d14	1.271	1.253	1.090	1.079	0.978	0.959	1.041	1.000	1.009	1.076	10.62
97)	T	Butyl benzyl phthalate	0.640	0.593	0.508	0.530	0.503	0.501	0.562	0.553	0.561	0.550	8.39
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.449	0.557	0.590	0.563	0.545	0.570	0.595	0.598	0.585	0.561	8.15
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.566	0.464	0.504	0.501	0.489	0.462	0.516	0.501	0.475	0.498	6.39
102)	T	Parathion	0.111	0.129	0.128	0.108	0.110	0.113	0.132	0.142	0.145	0.124	11.46
103)	T	3,3'-Dimethylbenzidine	0.534	0.640	0.710	0.782	0.830	0.801	0.917	0.934	0.966	0.791	18.10
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.886	1.694	1.517	1.409	1.348	1.308	1.417	1.345	1.379	1.478	13.03
106)	T	3,3'-Dichlorobenzidine	0.472	0.521	0.444	0.457	0.464	0.489	0.527	0.507	0.521	0.489	6.37
107)	T	Chrysene	1.853	1.775	1.481	1.363	1.296	1.258	1.301	1.256	1.277	1.429	16.08
108)	T	bis(2-Ethylhexyl)phthalate	0.892	0.841	0.769	0.757	0.799	0.796	0.849	0.817	0.835	0.817	5.15
109)	T	Di-n-octylphthalate	1.452	1.362	1.285	1.241	1.299	1.297	1.432	1.390	1.413	1.352	5.49
110)	T	Benzo(b)fluoranthene	1.696	1.671	1.537	1.403	1.294	1.235	1.381	1.329	1.326	1.430	11.62
111)	T	Benzo(k)fluoranthene	1.681	1.662	1.379	1.328	1.239	1.269	1.288	1.171	1.188	1.356	14.02
112)	T	Benzo(a)pyrene	1.402	1.440	1.283	1.193	1.133	1.161	1.230	1.175	1.157	1.242	8.96
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.309	1.196	1.123	1.101	1.076	1.040	1.130	0.901	0.862	1.082	12.71
115)	T	Dibenzo[a,h]anthracene	1.237	1.190	1.068	1.055	1.022	0.999	1.041	0.883	0.880	1.042	11.47
116)	T	Benzo(g,h,i)perylene	1.225	1.168	1.042	1.002	0.980	0.938	0.975	0.728	0.620	0.964	19.83

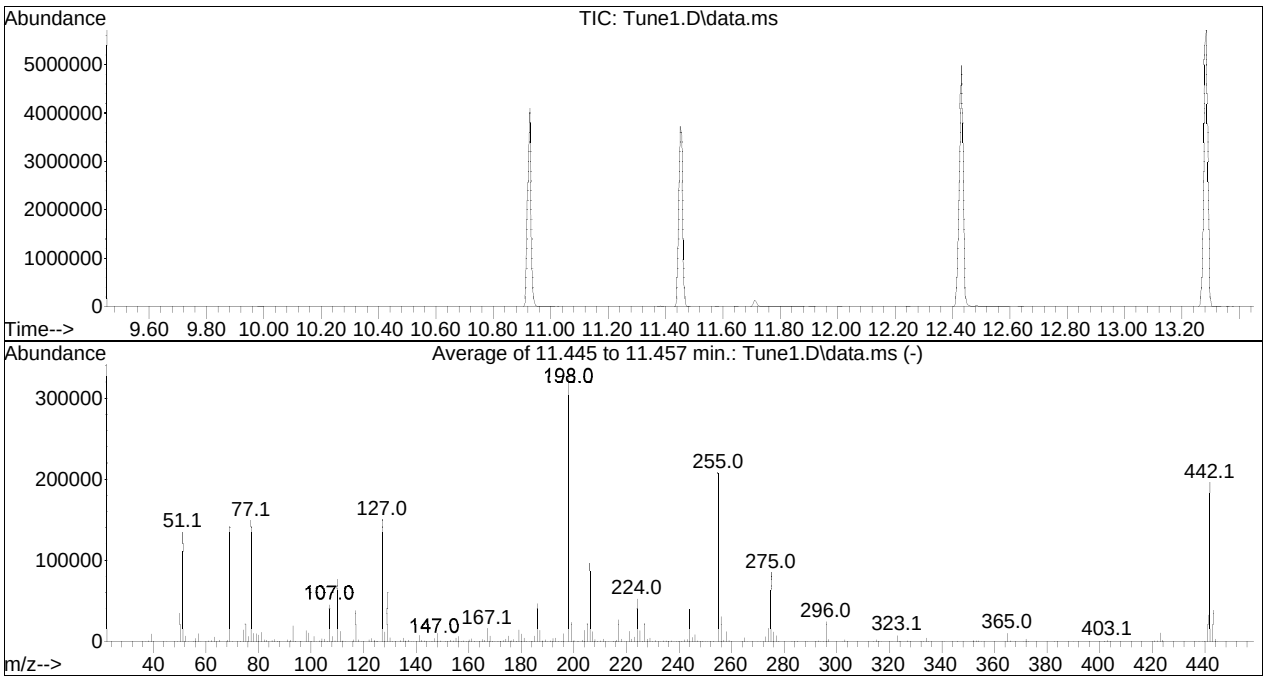
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024



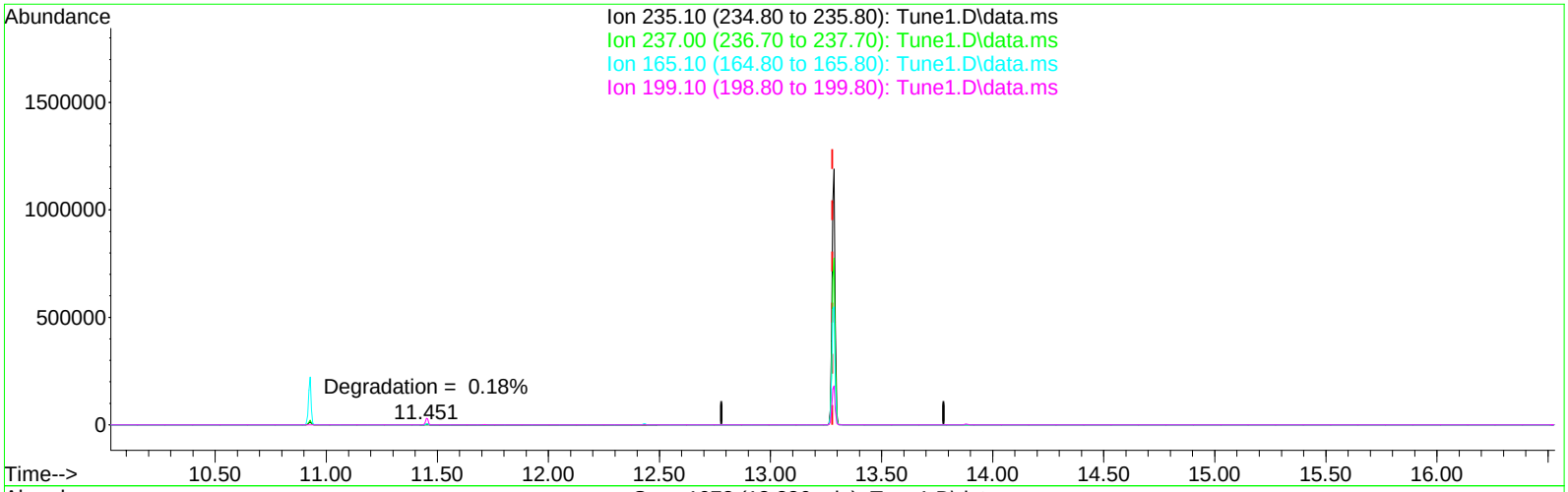
Spectrum Information: Average of 11.445 to 11.457 min.

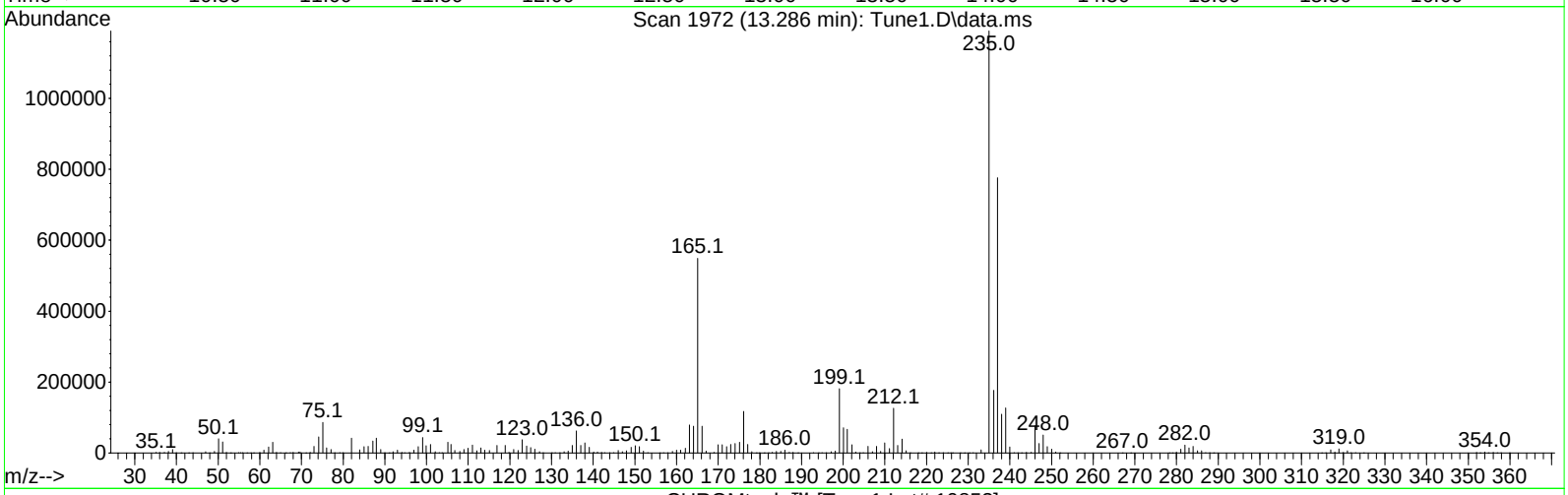
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.3	134464	PASS
68	69	0.00	2	1.7	2440	PASS
69	69	100	100	100.0	142152	PASS
70	69	0.00	2	0.5	780	PASS
127	198	10	80	46.2	150395	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	325269	PASS
199	198	5	9	7.2	23345	PASS
275	198	10	60	25.9	84395	PASS
365	198	1	100	3.1	9998	PASS
441	442	0.01	24	16.5	32150	PASS
442	198	50	100	59.9	194960	PASS
443	442	15	24	19.6	38192	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 10853]

(6) DDT (T)

13.286min (+ 0.006) 186.42

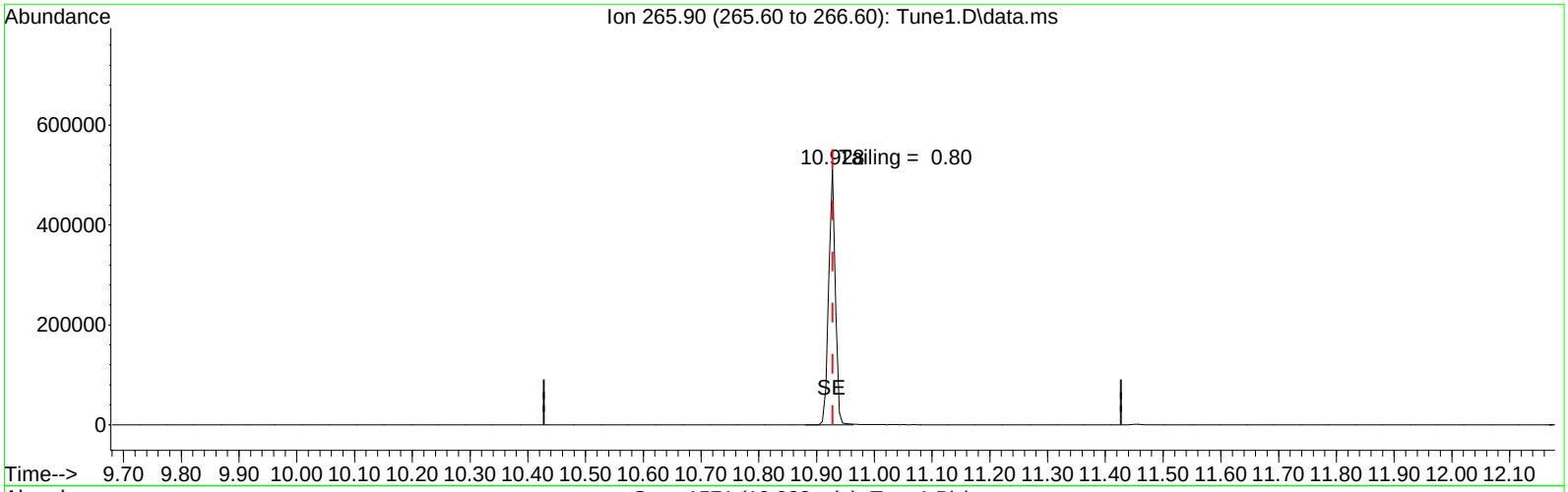
response 1136338

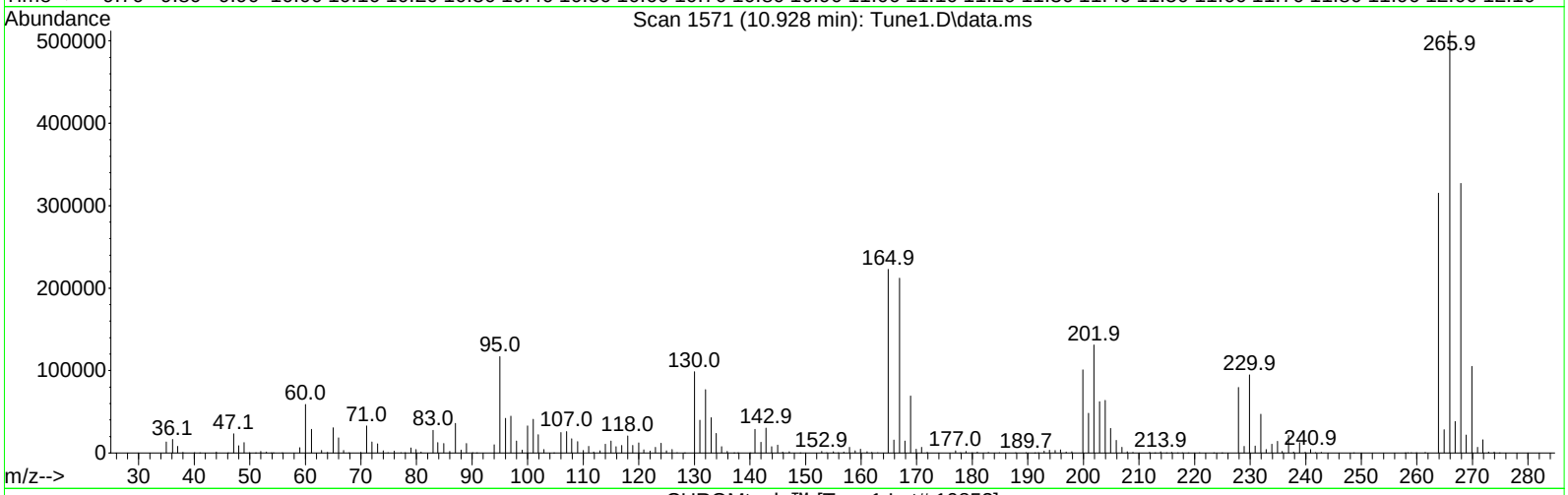
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.70
165.10	44.50	48.03
199.10	14.80	15.43

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 10853]

(1) Pentachlorophenol (T)

10.928min (-0.001) 194.55

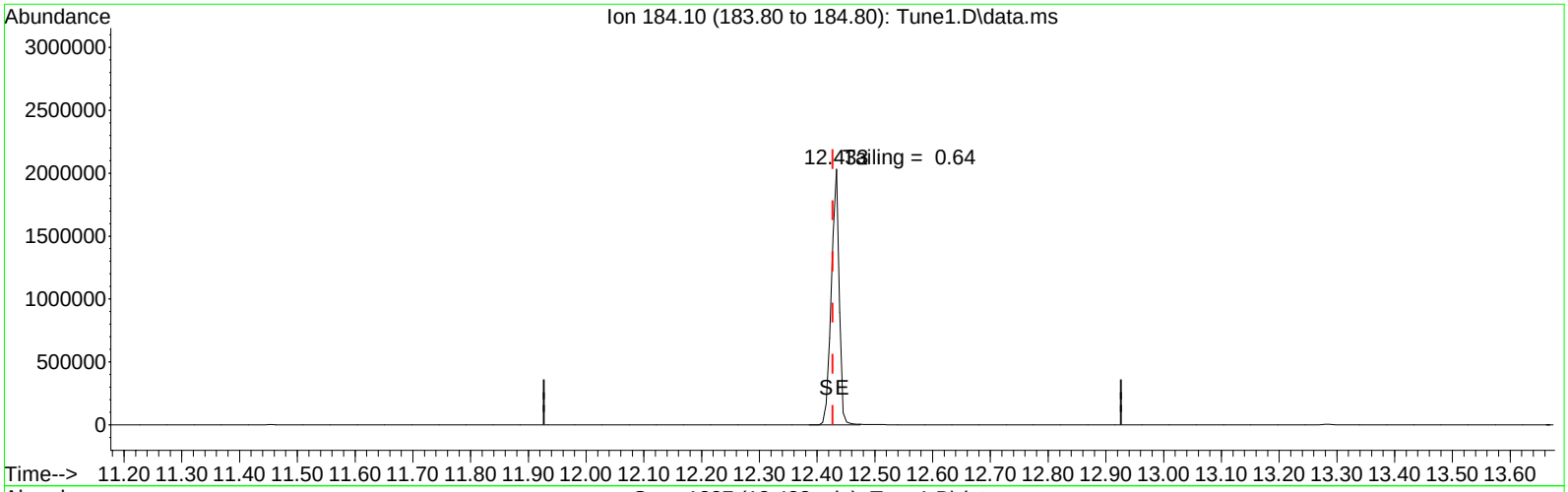
response 408616

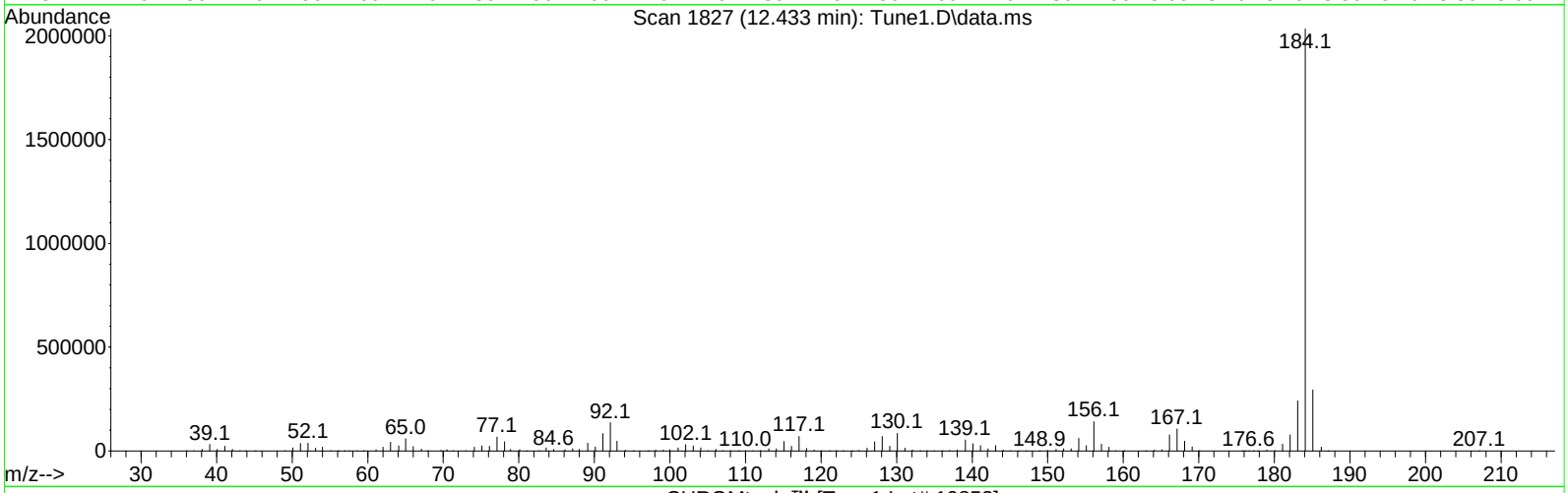
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune1.D
Acq On : 24 Jun 2024 4:32 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 24 20:27:19 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 10853]

(3) Benzidine (T)

12.433min (+ 0.006) 189.54

response 1929529

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	32717	4.000	ug/ml	# 0.00
Standard Area 1 = 34411			Recovery = 95.08%			
35) IS1_Naphthalene-d8	7.892	136	116482	4.000	ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 96.13%			
63) IS1_Acenaphthene-d10	9.657	164	76080	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.79%			
88) IS1_Phenanthrene-d10	11.098	188	164872	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 93.60%			
104) IS1_Chrysene-d12	13.757	240	165960	4.000	ug/ml	# 0.01
Standard Area 1 = 174707			Recovery = 94.99%			
113) IS1_Perylene-d12	15.221	264	170773	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 87.34%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.581	112	484863	52.419	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2620.95%#			
7) Phenol-d6	6.104	99	632521	52.936	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 2646.80%#			
19) Nitrobenzene-d5	7.122	82	657496	51.389	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5138.90%#			
46) 2-Fluorobiphenyl	9.016	172	1414928	52.386	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5238.60%#			
79) 2,4,6-Tribromophenol	10.433	330	251000	62.012	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3100.60%#			
96) 4-Terphenyl-d14	12.692	244	2078553	58.541	ug/ml	0.01
Spiked Amount 1.000	Range 30 - 130		Recovery = 5854.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.157	74	346550	53.715	ug/ml#	72
3) Pyridine	2.198	79	576884	59.734	ug/ml#	65
5) Aniline	6.063	93	841924	54.465	ug/ml	99
6) 2-Chlorophenol	6.210	128	517763	51.486	ug/ml	99
8) Phenol	6.122	94	658232	51.701	ug/ml	91
9) Bis(2-chloroethyl)ether	6.186	93	527037	52.422	ug/ml#	76
10) 1,3-Dichlorobenzene	6.392	146	606734	52.135	ug/ml	99
11) 1,4-Dichlorobenzene	6.486	146	611062	50.265	ug/ml	99
12) 1,2-Dichlorobenzene	6.663	146	583898	52.614	ug/ml	99
13) Benzyl alcohol	6.681	79	535471	55.065	ug/ml	92
14) Bis(2-chloroisopropyl)...	6.851	45	796608	53.609	ug/ml#	52

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.845	108	474449	52.371	ug/ml	98
16) Hexachloroethane	7.051	117	239091	48.237	ug/ml#	53
17) n-Nitrosodi-n-propylamine	7.004	70	441666	52.203	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.033	108	523630	53.173	ug/ml	99
20) Nitrobenzene	7.145	77	656482	53.331	ug/ml	92
21) Isophorone	7.428	82	1150385	52.676	ug/ml#	93
22) 2-Nitrophenol	7.498	139	297532	58.452	ug/ml#	89
23) 2,4-Dimethylphenol	7.604	107	533668	51.750	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.698	93	680698	49.681	ug/ml#	96
25) 2,4-Dichlorophenol	7.769	162	512698	54.545	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.845	180	578950	50.427	ug/ml	98
36) Naphthalene	7.916	128	1570488	50.574	ug/ml	99
37) Benzoic Acid	7.792	105	486643	54.483	ug/ml	95
38) 4-Chloroaniline	7.998	65	242854	52.152	ug/ml	90
39) Hexachlorobutadiene	8.080	225	397688	49.660	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	519164	54.542	ug/ml	94
41) 2-Methylnaphthalene	8.633	142	1068269	51.630	ug/ml#	94
42) 1-Methylnaphthalene	8.727	115	418575	48.386	ug/ml	77
43) Hexachlorocyclopentadiene	8.810	237	485636	61.086	ug/ml	99
44) 2,4,6-Trichlorophenol	8.927	196	453661	58.652	ug/ml	97
45) 2,4,5-Trichlorophenol	8.957	196	470572	55.857	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	1121885	51.853	ug/ml	98
48) 2-Nitroaniline	9.227	138	369880	59.038	ug/ml	99
49) 1,4-Dinitrobenzene	9.363	168	203442	61.307	ug/ml	86
50) 1,3-Dinitrobenzene	9.439	168	216044	56.942	ug/ml#	1
51) Dimethyl phthalate	9.439	163	1385638	48.459	ug/ml#	99
52) Acenaphthylene	9.516	152	1794194	53.328	ug/ml	100
53) 2,6-Dinitrotoluene	9.480	165	315063	54.862	ug/ml	88
54) 1,2-Dinitrobenzene	9.527	168	134287	59.461	ug/ml#	1
64) 3-Nitroaniline	9.639	138	324497	58.265	ug/ml	94
65) Acenaphthene	9.692	154	1053017	55.894	ug/ml	93
66) 2,4-Dinitrophenol	9.739	184	244160	65.424	ug/ml	92
67) Dibenzofuran	9.863	168	1706078	51.723	ug/ml	97
68) 2,4-Dinitrotoluene	9.874	165	447959	59.122	ug/ml	96
69) 4-Nitrophenol	9.827	65	328543	54.981	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.951	232	454854	67.824	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.998	232	426460	64.769	ug/ml	97
72) Diethyl phthalate	10.133	149	1370032	49.913	ug/ml	98
73) Fluorene	10.198	166	1374365	53.032	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.216	204	708419	51.959	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.239	138	302645	55.479	ug/ml#	82
76)	4,6-Dinitro-o-cresol	10.269	198	301830	70.707	ug/ml#	67
77)	NDPA/DPA	10.333	169	1148670	53.823	ug/ml	96
78)	Azobenzene	10.368	77	1379449	50.728	ug/ml	99
80)	4-Bromophenyl phenyl e...	10.686	248	450424M3	55.451	ug/ml	
81)	Hexachlorobenzene	10.739	284	506275	53.834	ug/ml#	80
82)	Pentachlorophenol	10.933	266	389063	71.000	ug/ml	99
89)	Phenanthrene	11.127	178	2163617	53.153	ug/ml	99
90)	Anthracene	11.174	178	2212811	54.951	ug/ml	99
91)	Carbazole	11.345	167	2012029	54.613	ug/ml	100
92)	Di-n-butylphthalate	11.733	149	2475111	55.123	ug/ml	99
93)	Fluoranthene	12.286	202	2670017	57.292	ug/ml#	91
94)	Benzidine	12.439	184	1635964	61.233	ug/ml#	94
95)	Pyrene	12.504	202	2820132	57.308	ug/ml	100
97)	Butyl benzyl phthalate	13.215	149	1156504	60.560	ug/ml	96
105)	Benzo(a)anthracene	13.745	228	2861362	53.298	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.745	252	1081792	58.501	ug/ml#	96
107)	Chrysene	13.786	228	2650129	50.014	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.857	149	1731431	54.397	ug/ml#	95
109)	Di-n-octylphthalate	14.545	149	2930404	56.200	ug/ml#	75
110)	Benzo(b)fluoranthene	14.862	252	2750629	56.118	ug/ml#	92
111)	Benzo(k)fluoranthene	14.892	252	2464317M3	51.471	ug/ml	
112)	Benzo(a)pyrene	15.174	252	2400552	54.683	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	16.221	276	1840389M6	43.859	ug/mL	
115)	Dibenzo(a,h)anthracene	16.245	278	1877445	47.055	ug/ml#	86
116)	Benzo(ghi)perylene	16.474	276	1323180	33.589	ug/ml#	82

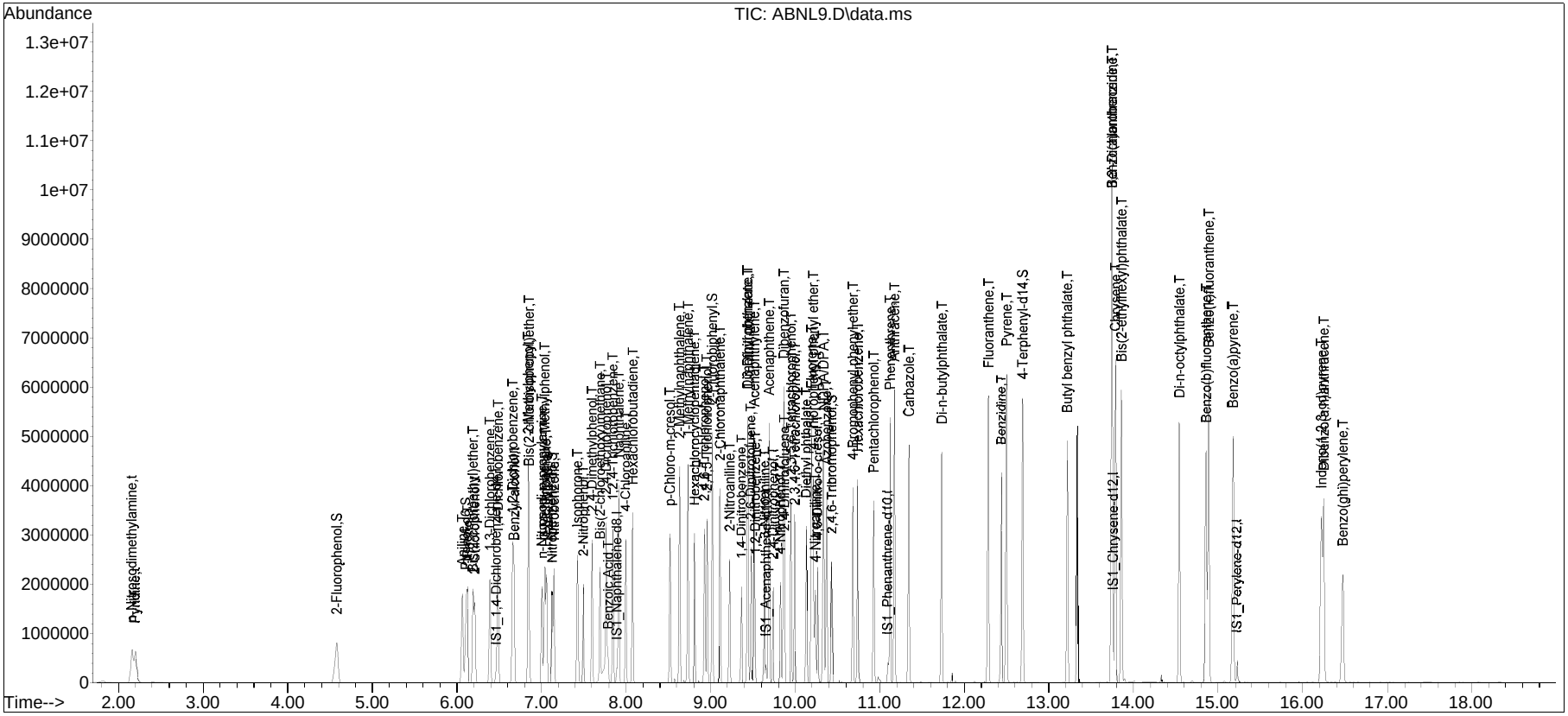
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL9.D
Acq On : 24 Jun 2024 4:56 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939040
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 25 05:56:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

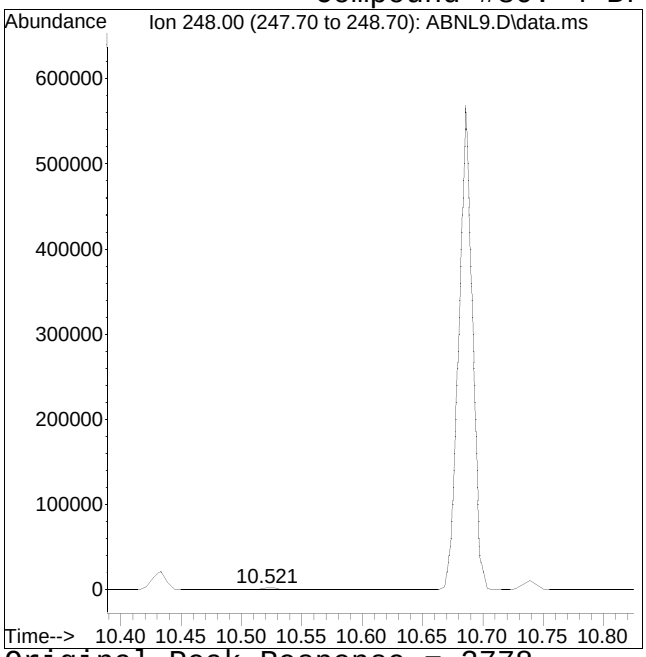
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

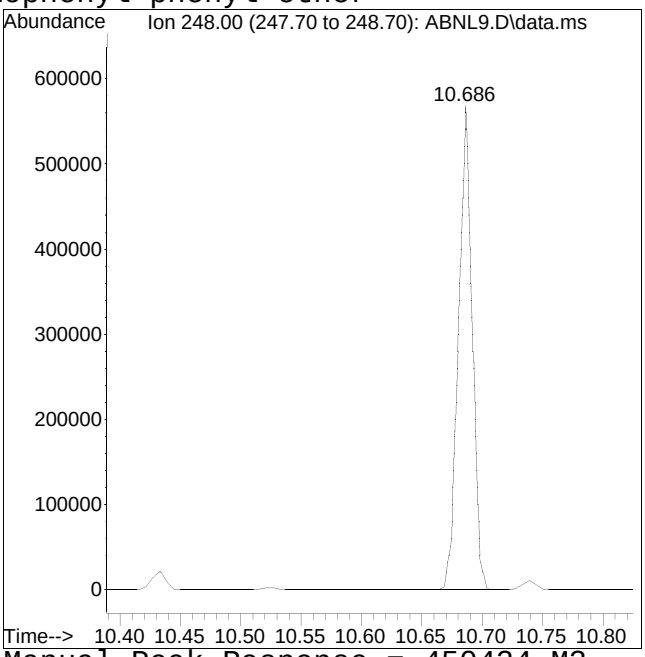


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #80: 4-Bromophenyl phenyl ether





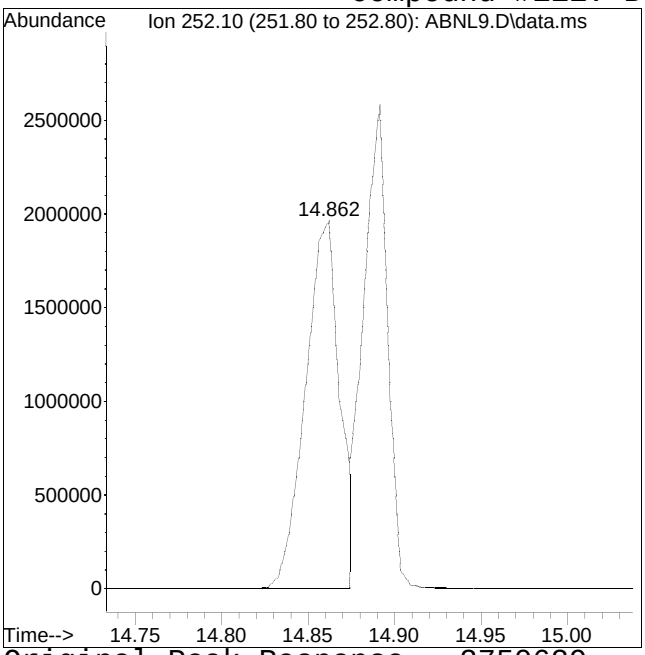
Original Peak Response = 2778 Manual Peak Response = 450424 M3

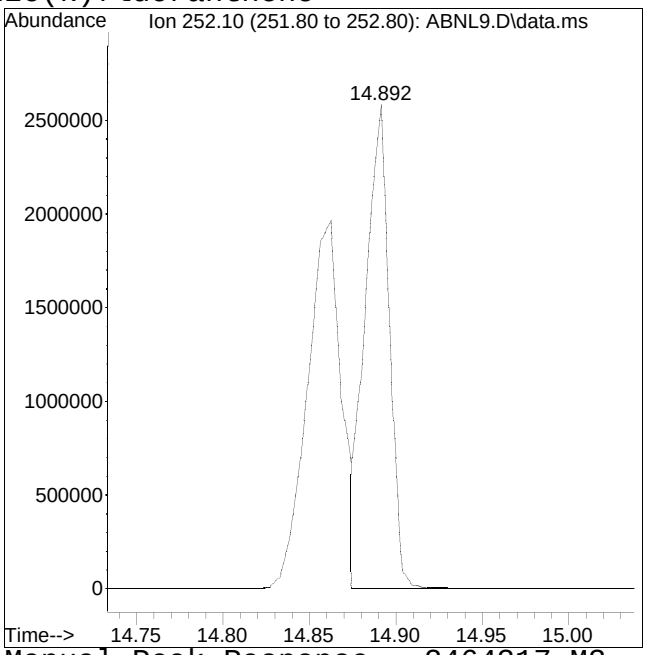
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #111: Benzo(k)fluoranthene



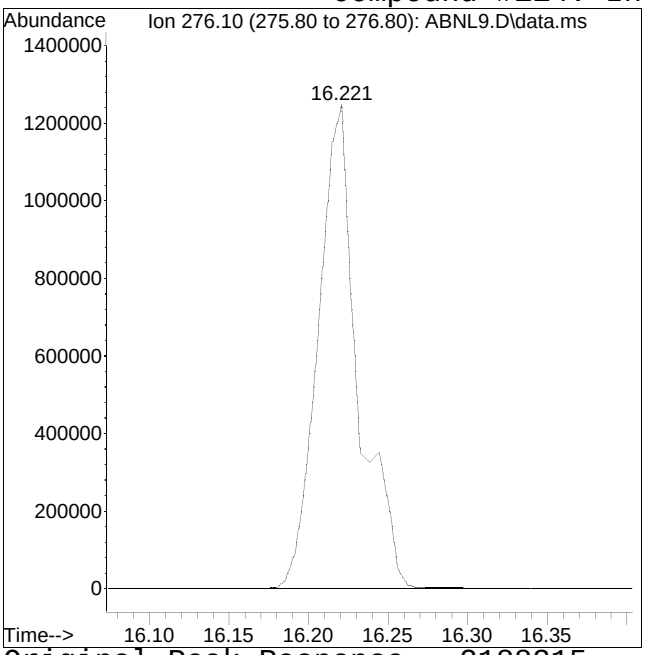


Original Peak Response = 2750629 Manual Peak Response = 2464317 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

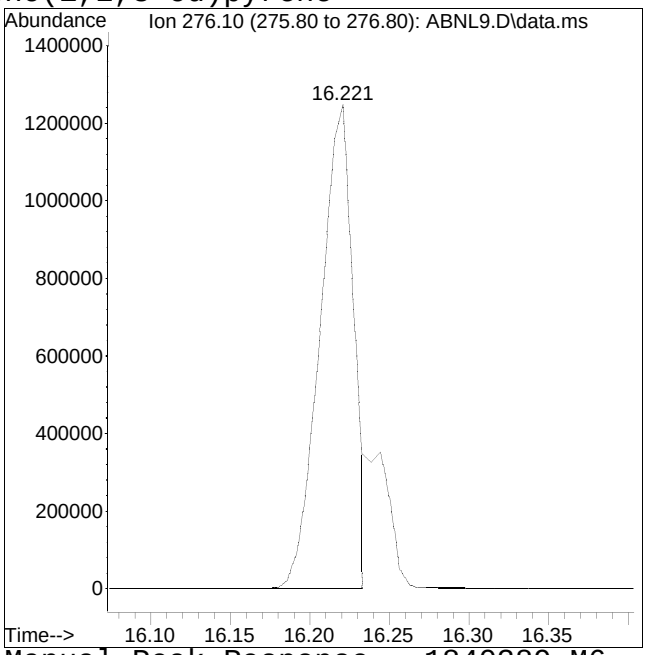
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 4:56 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2188215



Manual Peak Response = 1840389 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.463	152	33019	4.000 ug/ml	# 0.00
Standard Area 1 = 34411			Recovery = 95.95%		
35) IS1_Naphthalene-d8	7.887	136	118189	4.000 ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 97.53%		
63) IS1_Acenaphthene-d10	9.657	164	76354	4.000 ug/ml	0.00
Standard Area 1 = 79426			Recovery = 96.13%		
88) IS1_Phenanthrene-d10	11.098	188	169867	4.000 ug/ml	0.00
Standard Area 1 = 176143			Recovery = 96.44%		
104) IS1_Chrysene-d12	13.751	240	174167	4.000 ug/ml	0.00
Standard Area 1 = 174707			Recovery = 99.69%		
113) IS1_Perylene-d12	15.221	264	190607	4.000 ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.48%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.575	112	237510	25.442 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1272.10%#		
7) Phenol-d6	6.098	99	313213	25.973 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1298.65%#		
19) Nitrobenzene-d5	7.116	82	322364	24.965 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2496.50%#		
46) 2-Fluorobiphenyl	9.016	172	683862	24.953 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2495.30%#		
79) 2,4,6-Tribromophenol	10.428	330	120340	29.624 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1481.20%#		
96) 4-Terphenyl-d14	12.686	244	1062138	29.035 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2903.50%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.152	74	169555	26.041 ug/ml#	72
3) Pyridine	2.193	79	278686	28.593 ug/ml#	66
5) Aniline	6.057	93	408055	26.156 ug/ml	99
6) 2-Chlorophenol	6.204	128	256233	25.247 ug/ml	100
8) Phenol	6.110	94	324899	25.286 ug/ml	91
9) Bis(2-chloroethyl)ether	6.187	93	262476	25.868 ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	297987	25.371 ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	305850	24.928 ug/ml	99
12) 1,2-Dichlorobenzene	6.663	146	293321	26.189 ug/ml	99
13) Benzyl alcohol	6.669	79	262244	26.721 ug/ml	91
14) Bis(2-chloroisopropyl)...	6.845	45	409819	27.327 ug/ml#	55

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	233353	25.523	ug/ml	97
16) Hexachloroethane	7.051	117	118082	23.605	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.998	70	217266	25.445	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.028	108	256559	25.815	ug/ml	98
20) Nitrobenzene	7.140	77	322030	25.921	ug/ml	92
21) Isophorone	7.422	82	563506	25.567	ug/ml	94
22) 2-Nitrophenol	7.498	139	145422	28.308	ug/ml#	90
23) 2,4-Dimethylphenol	7.598	107	260041	24.986	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.692	93	338538	24.483	ug/ml	97
25) 2,4-Dichlorophenol	7.763	162	252916	26.661	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.845	180	284342	24.540	ug/ml	98
36) Naphthalene	7.910	128	767174	24.348	ug/ml	99
37) Benzoic Acid	7.751	105	232608	27.348	ug/ml	96
38) 4-Chloroaniline	7.992	65	119766	25.348	ug/ml	90
39) Hexachlorobutadiene	8.081	225	197178	24.266	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	254908	26.393	ug/ml	93
41) 2-Methylnaphthalene	8.628	142	520103	24.774	ug/ml#	94
42) 1-Methylnaphthalene	8.722	115	203926	23.233	ug/ml	78
43) Hexachlorocyclopentadiene	8.810	237	238503	29.567	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	216636	27.603	ug/ml	97
45) 2,4,5-Trichlorophenol	8.957	196	231634	27.098	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	549791	25.044	ug/ml	97
48) 2-Nitroaniline	9.222	138	181912	28.616	ug/ml	98
49) 1,4-Dinitrobenzene	9.357	168	100201	29.759	ug/ml	87
50) 1,3-Dinitrobenzene	9.433	168	109410	28.420	ug/ml#	1
51) Dimethyl phthalate	9.433	163	674367	23.244	ug/ml#	99
52) Acenaphthylene	9.510	152	873316	25.582	ug/ml	100
53) 2,6-Dinitrotoluene	9.475	165	154706	26.550	ug/ml	87
54) 1,2-Dinitrobenzene	9.516	168	66227	28.901	ug/ml#	1
64) 3-Nitroaniline	9.628	138	160872	28.782	ug/ml	93
65) Acenaphthene	9.686	154	515334	27.256	ug/ml	92
66) 2,4-Dinitrophenol	9.728	184	119484	32.073	ug/ml	92
67) Dibenzofuran	9.857	168	834268	25.202	ug/ml	97
68) 2,4-Dinitrotoluene	9.863	165	221103	29.077	ug/ml	96
69) 4-Nitrophenol	9.822	65	165093	27.529	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.951	232	221732	32.944	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.992	232	210898	31.916	ug/ml	98
72) Diethyl phthalate	10.128	149	674982	24.502	ug/ml	97
73) Fluorene	10.192	166	673937	25.911	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	344854	25.203	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.228	138	153735	28.080	ug/ml#	83
76)	4,6-Dinitro-o-cresol	10.257	198	149905	34.991	ug/ml#	66
77)	NDPA/DPA	10.328	169	567620	26.501	ug/ml	97
78)	Azobenzene	10.363	77	671206	24.594	ug/ml	98
80)	4-Bromophenyl phenyl e...	10.680	248	221514M3	27.173	ug/ml	
81)	Hexachlorobenzene	10.733	284	250937	26.587	ug/ml#	80
82)	Pentachlorophenol	10.927	266	192805	35.059	ug/ml	100
89)	Phenanthrene	11.122	178	1074767	25.627	ug/ml	99
90)	Anthracene	11.169	178	1092831	26.340	ug/ml	99
91)	Carbazole	11.339	167	1028776	27.103	ug/ml	99
92)	Di-n-butylphthalate	11.727	149	1241508	26.836	ug/ml	99
93)	Fluoranthene	12.280	202	1367094	28.472	ug/ml#	91
94)	Benzidine	12.433	184	833166	30.268	ug/ml#	94
95)	Pyrene	12.498	202	1419120	27.990	ug/ml	100
97)	Butyl benzyl phthalate	13.216	149	587626	29.866	ug/ml	95
105)	Benzo(a)anthracene	13.739	228	1463603	25.977	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.739	252	552003	28.444	ug/ml#	96
107)	Chrysene	13.780	228	1367208	24.587	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.857	149	889141	26.618	ug/ml#	94
109)	Di-n-octylphthalate	14.539	149	1513217	27.653	ug/ml#	75
110)	Benzo(b)fluoranthene	14.857	252	1446447	28.119	ug/ml#	91
111)	Benzo(k)fluoranthene	14.880	252	1274585	25.367	ug/ml#	92
112)	Benzo(a)pyrene	15.168	252	1279446M3	27.771	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	16.215	276	1073913M6	22.929	ug/mL	
115)	Dibenzo(a,h)anthracene	16.239	278	1052473	23.633	ug/ml#	86
116)	Benzo(ghi)perylene	16.468	276	867244	19.724	ug/ml#	82

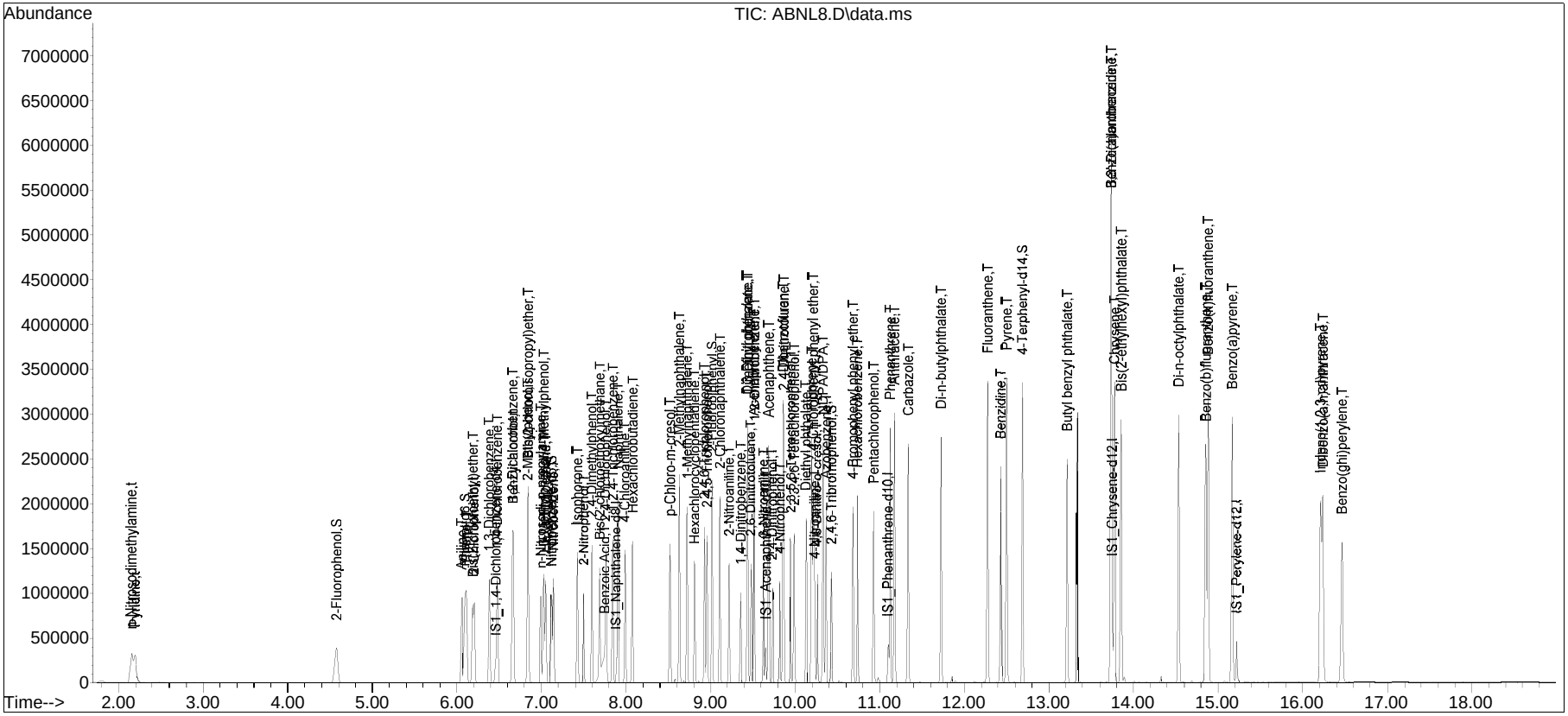
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL8.D
Acq On : 24 Jun 2024 5:20 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939040
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 25 05:55:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

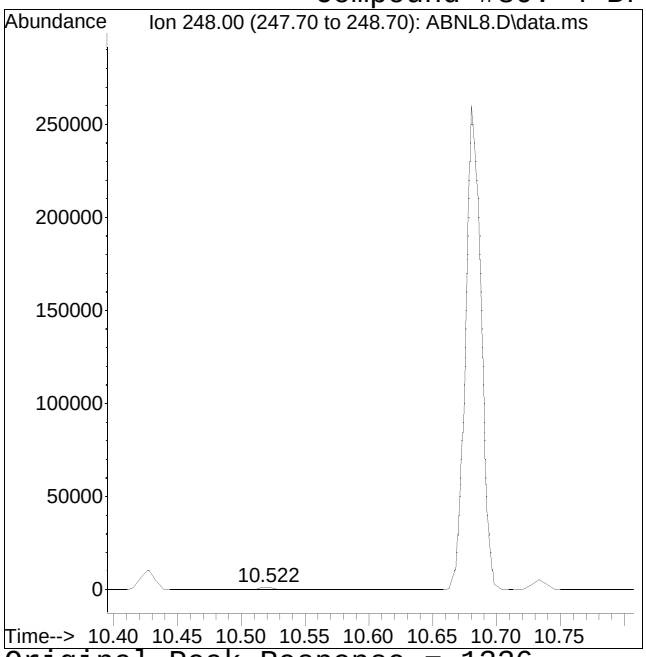
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

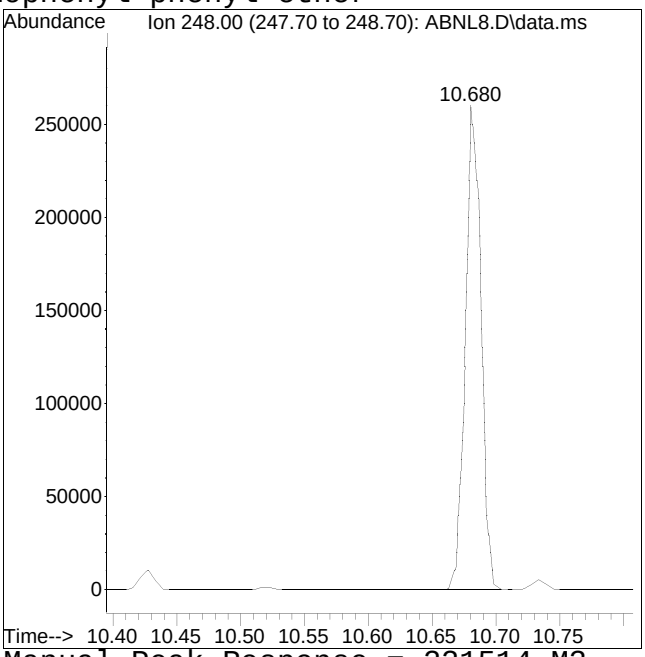


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #80: 4-Bromophenyl phenyl ether



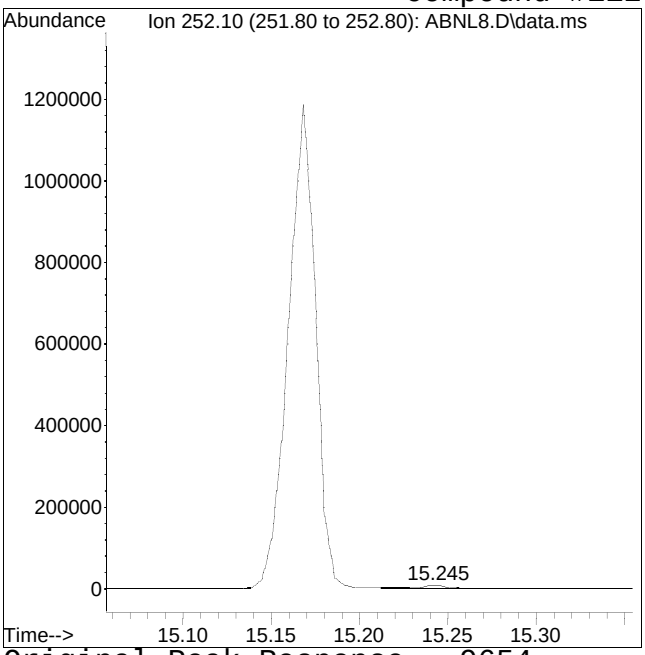


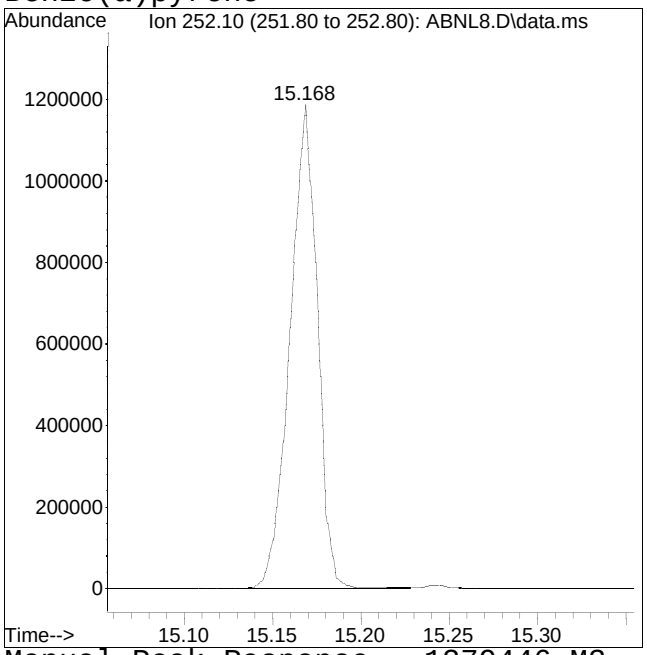
Original Peak Response = 1336 Manual Peak Response = 221514 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #112: Benzo(a)pyrene





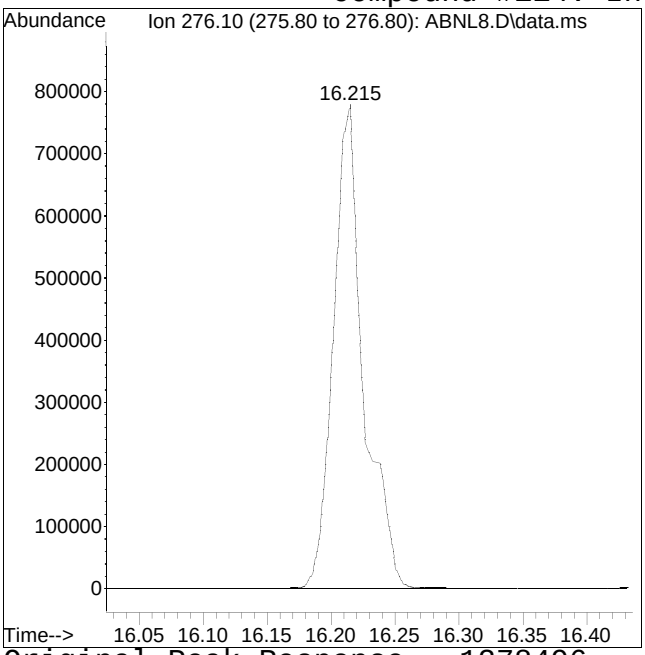
Original Peak Response = 9654 Manual Peak Response = 1279446 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

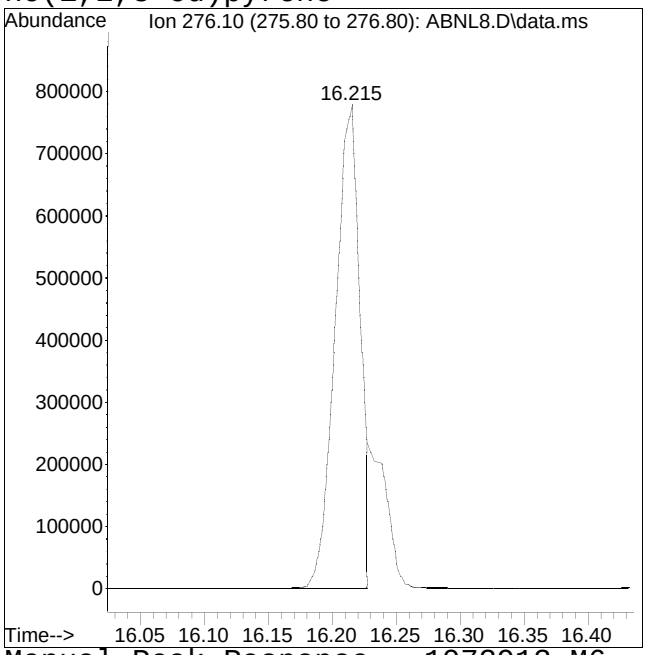
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:20 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1278496



Manual Peak Response = 1073913 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	33998	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 98.80%			
35) IS1_Naphthalene-d8	7.887	136	120937	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 99.80%			
63) IS1_Acenaphthene-d10	9.657	164	80608	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 101.49%			
88) IS1_Phenanthrene-d10	11.098	188	172374	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 97.86%			
104) IS1_Chrysene-d12	13.745	240	173028	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 99.04%			
113) IS1_Perylene-d12	15.221	264	190260	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.31%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	98879	10.287	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 514.35%#			
7) Phenol-d6	6.093	99	129362	10.418	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 520.90%#			
19) Nitrobenzene-d5	7.116	82	136275	10.250	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1025.00%#			
46) 2-Fluorobiphenyl	9.010	172	298392	10.641	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1064.10%#			
79) 2,4,6-Tribromophenol	10.428	330	51001	11.892	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 594.60%#			
96) 4-Terphenyl-d14	12.686	244	448569	12.084	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1208.40%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	71445	10.657	ug/ml#	71
3) Pyridine	2.187	79	118475	11.805	ug/ml#	66
5) Aniline	6.051	93	169471	10.550	ug/ml	100
6) 2-Chlorophenol	6.198	128	106942	10.234	ug/ml	100
8) Phenol	6.110	94	136242	10.298	ug/ml#	91
9) Bis(2-chloroethyl)ether	6.181	93	111165	10.640	ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	125722	10.396	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	127977	10.130	ug/ml	100
12) 1,2-Dichlorobenzene	6.657	146	121496	10.535	ug/ml	98
13) Benzyl alcohol	6.669	79	106868	10.576	ug/ml	94
14) Bis(2-chloroisopropyl)...	6.845	45	176726	11.445	ug/ml#	56

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	100114	10.635	ug/ml	98
16) Hexachloroethane	7.051	117	50737	9.851	ug/ml#	52
17) n-Nitrosodi-n-propylamine	6.993	70	92145	10.481	ug/ml#	90
18) 3-Methylphenol/4-Methy...	7.028	108	108575	10.610	ug/ml	98
20) Nitrobenzene	7.134	77	139715	10.922	ug/ml	91
21) Isophorone	7.416	82	239645	10.560	ug/ml	93
22) 2-Nitrophenol	7.498	139	60502	11.438	ug/ml#	89
23) 2,4-Dimethylphenol	7.598	107	109786	10.245	ug/ml	91
24) Bis(2-chloroethoxy)met...	7.687	93	147145	10.335	ug/ml	97
25) 2,4-Dichlorophenol	7.763	162	105835	10.835	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.845	180	123619	10.362	ug/ml	98
36) Naphthalene	7.910	128	325650	10.100	ug/ml	99
37) Benzoic Acid	7.710	105	91700	11.073	ug/ml	96
38) 4-Chloroaniline	7.992	65	50979	10.544	ug/ml	91
39) Hexachlorobutadiene	8.081	225	84040	10.108	ug/ml	98
40) p-Chloro-m-cresol	8.516	107	106171	10.743	ug/ml	95
41) 2-Methylnaphthalene	8.628	142	221157	10.295	ug/ml#	93
42) 1-Methylnaphthalene	8.722	115	86121	9.589	ug/ml	80
43) Hexachlorocyclopentadiene	8.804	237	101147	12.254	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	93810	11.682	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	99391	11.363	ug/ml	97
47) 2-Chloronaphthalene	9.110	162	235262	10.473	ug/ml	97
48) 2-Nitroaniline	9.222	138	77367	11.894	ug/ml	97
49) 1,4-Dinitrobenzene	9.357	168	42058	12.207	ug/ml	87
50) 1,3-Dinitrobenzene	9.434	168	47548	12.070	ug/ml#	1
51) Dimethyl phthalate	9.428	163	293217	9.877	ug/ml#	98
52) Acenaphthylene	9.510	152	379388	10.861	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	66760	11.197	ug/ml	88
54) 1,2-Dinitrobenzene	9.510	168	28669	12.227	ug/ml#	1
64) 3-Nitroaniline	9.628	138	66639	11.293	ug/ml	91
65) Acenaphthene	9.686	154	216464	10.844	ug/ml	90
66) 2,4-Dinitrophenol	9.728	184	48836	12.623	ug/ml#	89
67) Dibenzofuran	9.857	168	362712	10.379	ug/ml	97
68) 2,4-Dinitrotoluene	9.857	165	92663	11.543	ug/ml	95
69) 4-Nitrophenol	9.816	65	66265	10.466	ug/ml#	83
70) 2,3,5,6-Tetrachlorophenol	9.945	232	93502	13.159	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.986	232	88033	12.619	ug/ml	96
72) Diethyl phthalate	10.122	149	286731	9.859	ug/ml	98
73) Fluorene	10.192	166	290969	10.597	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	151106	10.460	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.216	138	64740	11.201	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.251	198	59863	13.236	ug/ml#	66
77)	NDPA/DPA	10.328	169	244751	10.824	ug/ml	97
78)	Azobenzene	10.357	77	287583	9.981	ug/ml	97
80)	4-Bromophenyl phenyl e...	10.681	248	96586	11.223	ug/ml#	84
81)	Hexachlorobenzene	10.733	284	106470	10.685	ug/ml#	81
82)	Pentachlorophenol	10.928	266	78930	13.595	ug/ml	100
89)	Phenanthrene	11.116	178	454080	10.670	ug/ml	99
90)	Anthracene	11.169	178	465546	11.058	ug/ml	99
91)	Carbazole	11.333	167	430627	11.180	ug/ml	99
92)	Di-n-butylphthalate	11.727	149	527892	11.245	ug/ml	99
93)	Fluoranthene	12.275	202	572546	11.751	ug/ml#	91
94)	Benzidine	12.427	184	346393	12.401	ug/ml#	94
95)	Pyrene	12.492	202	600708	11.676	ug/ml	100
97)	Butyl benzyl phthalate	13.210	149	241983	12.120	ug/ml	94
105)	Benzo(a)anthracene	13.733	228	612774	10.948	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.733	252	227768	11.814	ug/ml#	96
107)	Chrysene	13.774	228	562978	10.191	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.857	149	367256	11.067	ug/ml#	95
109)	Di-n-octylphthalate	14.539	149	619510	11.396	ug/ml#	75
110)	Benzo(b)fluoranthene	14.851	252	597526	11.693	ug/ml#	91
111)	Benzo(k)fluoranthene	14.874	252	557100	11.160	ug/ml#	91
112)	Benzo(a)pyrene	15.163	252	532009	11.624	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	16.210	276	537324M6	11.493	ug/mL	
115)	Dibenzo(a,h)anthracene	16.233	278	495383	11.144	ug/ml#	87
116)	Benzo(ghi)perylene	16.468	276	463569	10.562	ug/ml#	82

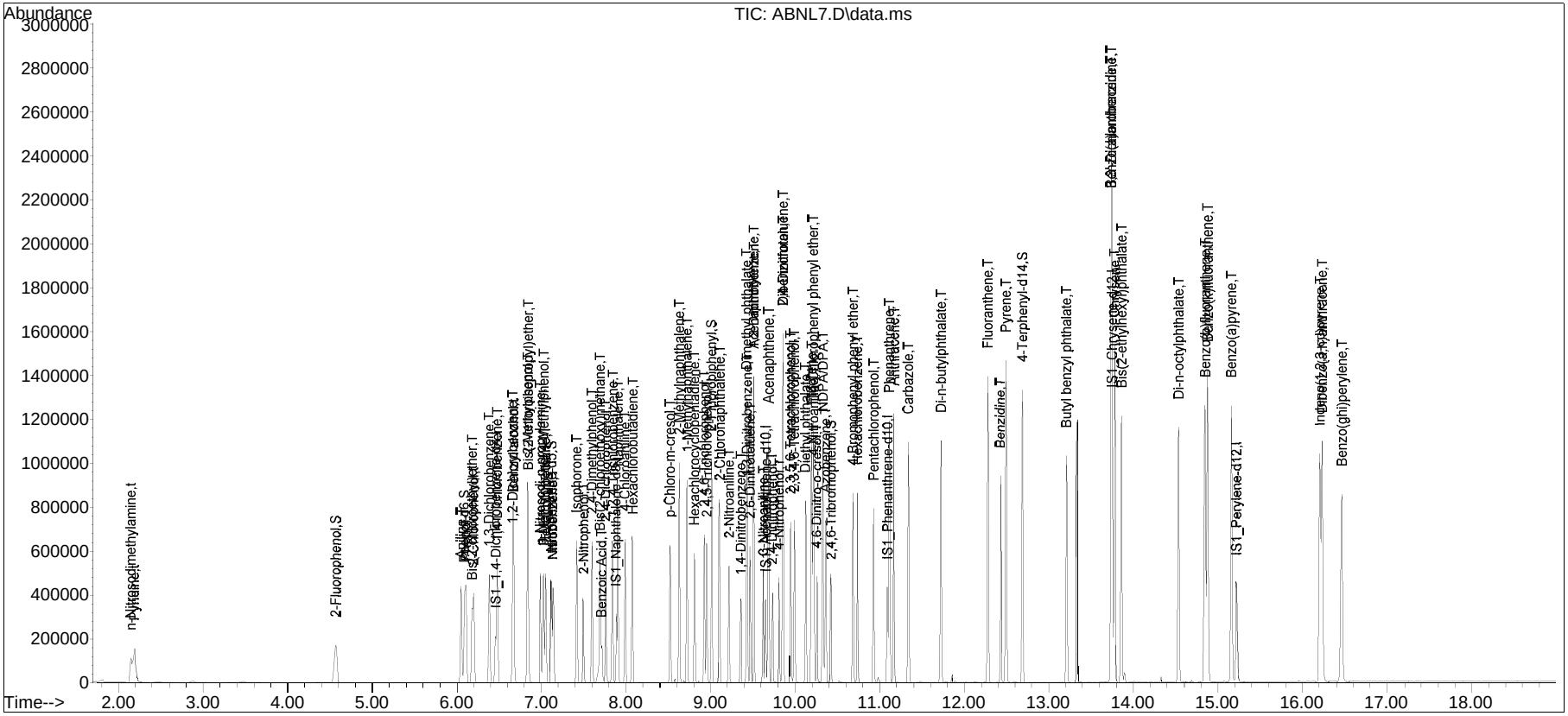
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL7.D
Acq On : 24 Jun 2024 5:43 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939040
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 25 05:54:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

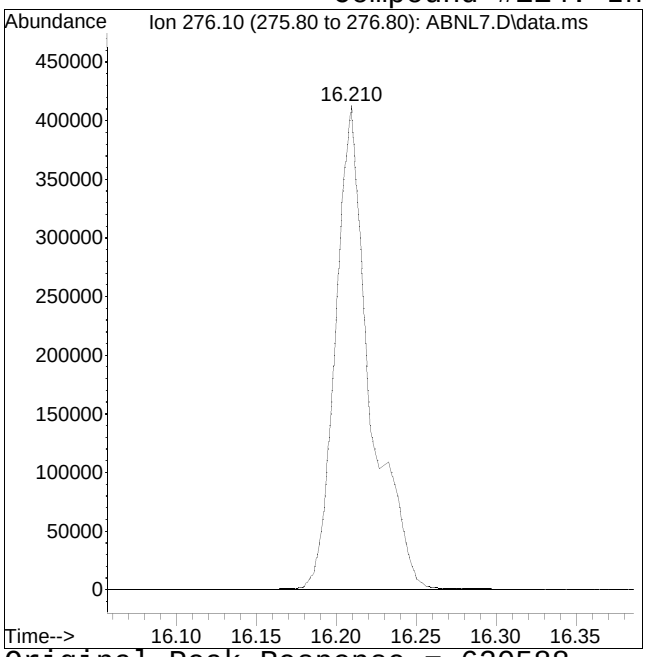
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



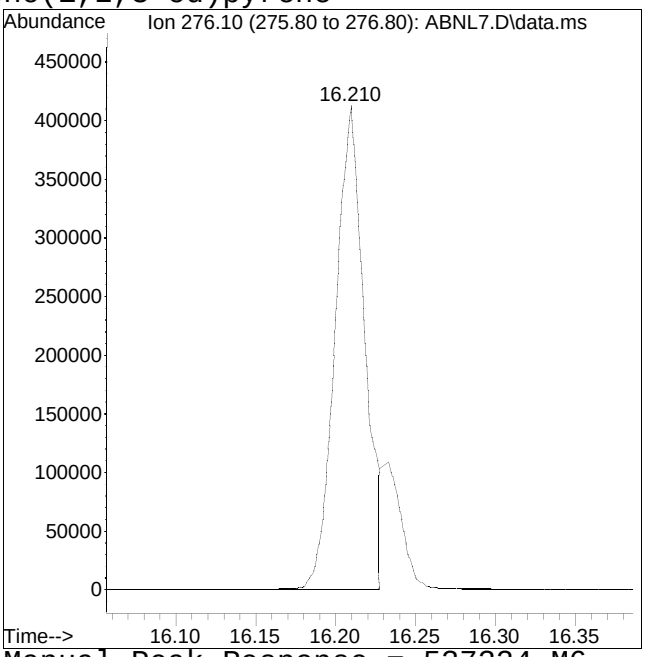
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 5:43 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 620588



Manual Peak Response = 537324 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	34411	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 100.00%			
35) IS1_Naphthalene-d8	7.886	136	121176	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	9.651	164	79426	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	11.092	188	176143	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 100.00%			
104) IS1_Chrysene-d12	13.745	240	174707	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 100.00%			
113) IS1_Perylene-d12	15.215	264	195526	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	46416	4.771	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 238.55%#			
7) Phenol-d6	6.093	99	60873	4.844	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 242.20%#			
19) Nitrobenzene-d5	7.116	82	62503	4.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 464.50%#			
46) 2-Fluorobiphenyl	9.010	172	139378	4.960	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 496.00%#			
79) 2,4,6-Tribromophenol	10.428	330	24197	5.726	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 286.30%#			
96) 4-Terphenyl-d14	12.680	244	211086	5.565	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 556.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	33390	4.921	ug/ml#	74
3) Pyridine	2.187	79	55126	5.427	ug/ml#	67
5) Aniline	6.051	93	80259	4.936	ug/ml	99
6) 2-Chlorophenol	6.198	128	49372	4.668	ug/ml	97
8) Phenol	6.104	94	64117	4.788	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	52631	4.977	ug/ml#	76
10) 1,3-Dichlorobenzene	6.387	146	60018	4.903	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	60113	4.701	ug/ml	99
12) 1,2-Dichlorobenzene	6.657	146	58576	5.018	ug/ml	99
13) Benzyl alcohol	6.669	79	49863	4.875	ug/ml	91
14) Bis(2-chloroisopropyl)...	6.845	45	83104	5.317	ug/ml#	57

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.840	108	46693	4.900	ug/ml	98
16) Hexachloroethane	7.051	117	23284	4.466	ug/ml#	49
17) n-Nitrosodi-n-propylamine	6.992	70	42735	4.802	ug/ml#	91
18) 3-Methylphenol/4-Methy...	7.022	108	49775	4.806	ug/ml	99
20) Nitrobenzene	7.134	77	62771	4.848	ug/ml	92
21) Isophorone	7.416	82	111710	4.863	ug/ml	94
22) 2-Nitrophenol	7.498	139	27744	5.182	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	51002	4.702	ug/ml	93
24) Bis(2-chloroethoxy)met...	7.687	93	69008	4.789	ug/ml	98
25) 2,4-Dichlorophenol	7.763	162	49224	4.979	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.839	180	56472	4.677	ug/ml	97
36) Naphthalene	7.910	128	152912	4.733	ug/ml	99
37) Benzoic Acid	7.687	105	39124	4.912	ug/ml	95
38) 4-Chloroaniline	7.992	65	23934	4.941	ug/ml	88
39) Hexachlorobutadiene	8.081	225	39649	4.759	ug/ml	99
40) p-Chloro-m-cresol	8.516	107	48736	4.922	ug/ml	95
41) 2-Methylnaphthalene	8.628	142	104599	4.860	ug/ml	93
42) 1-Methylnaphthalene	8.722	115	40244	4.472	ug/ml	80
43) Hexachlorocyclopentadiene	8.804	237	47070	5.691	ug/ml	97
44) 2,4,6-Trichlorophenol	8.928	196	42928	5.335	ug/ml	99
45) 2,4,5-Trichlorophenol	8.957	196	47052	5.369	ug/ml	95
47) 2-Chloronaphthalene	9.104	162	111763	4.966	ug/ml	97
48) 2-Nitroaniline	9.222	138	35258	5.410	ug/ml	99
49) 1,4-Dinitrobenzene	9.357	168	18490	5.356	ug/ml	91
50) 1,3-Dinitrobenzene	9.428	168	21627	5.479	ug/ml#	1
51) Dimethyl phthalate	9.428	163	139733	4.698	ug/ml#	98
52) Acenaphthylene	9.510	152	177144	5.061	ug/ml	99
53) 2,6-Dinitrotoluene	9.469	165	31275	5.235	ug/ml	87
54) 1,2-Dinitrobenzene	9.510	168	13415	5.710	ug/ml#	1
64) 3-Nitroaniline	9.622	138	31539	5.424	ug/ml	91
65) Acenaphthene	9.686	154	103447	5.260	ug/ml	91
66) 2,4-Dinitrophenol	9.728	184	21336	5.784	ug/ml#	88
67) Dibenzofuran	9.857	168	172560	5.011	ug/ml	96
68) 2,4-Dinitrotoluene	9.857	165	45671	5.774	ug/ml	94
69) 4-Nitrophenol	9.810	65	30284	4.854	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	9.945	232	43397	6.198	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	9.986	232	42811	6.228	ug/ml	98
72) Diethyl phthalate	10.122	149	138908	4.847	ug/ml	99
73) Fluorene	10.186	166	138840	5.132	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.210	204	69797	4.904	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.216	138	30722	5.394	ug/ml	#	89
76)	4,6-Dinitro-o-cresol	10.251	198	27648	6.204	ug/ml	#	65
77)	NDPA/DPA	10.322	169	118352	5.312	ug/ml		97
78)	Azobenzene	10.357	77	133021	4.686	ug/ml		96
80)	4-Bromophenyl phenyl e...	10.680	248	44876	5.292	ug/ml	#	83
81)	Hexachlorobenzene	10.733	284	50132	5.106	ug/ml	#	81
82)	Pentachlorophenol	10.927	266	36832	6.438	ug/ml		98
89)	Phenanthrene	11.116	178	217401	4.999	ug/ml		99
90)	Anthracene	11.169	178	224653	5.222	ug/ml		99
91)	Carbazole	11.333	167	203798	5.178	ug/ml		99
92)	Di-n-butylphthalate	11.727	149	247507	5.159	ug/ml		100
93)	Fluoranthene	12.274	202	271130	5.446	ug/ml	#	90
94)	Benzidine	12.427	184	161558	5.660	ug/ml	#	94
95)	Pyrene	12.492	202	286461	5.449	ug/ml		99
97)	Butyl benzyl phthalate	13.210	149	110253	5.404	ug/ml		96
105)	Benzo(a)anthracene	13.733	228	285698	5.055	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.733	252	106752	5.484	ug/ml	#	95
107)	Chrysene	13.768	228	274645	4.924	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	173922	5.191	ug/ml	#	94
109)	Di-n-octylphthalate	14.533	149	283349	5.162	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.845	252	269679	5.226	ug/ml	#	92
111)	Benzo(k)fluoranthene	14.874	252	277054	5.497	ug/ml	#	92
112)	Benzo(a)pyrene	15.163	252	253581	5.487	ug/ml	#	90
114)	Indeno(1,2,3-cd)pyrene	16.204	276	254150M6	5.290	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	244207	5.346	ug/ml	#	87
116)	Benzo(ghi)perylene	16.462	276	229314	5.084	ug/ml	#	82

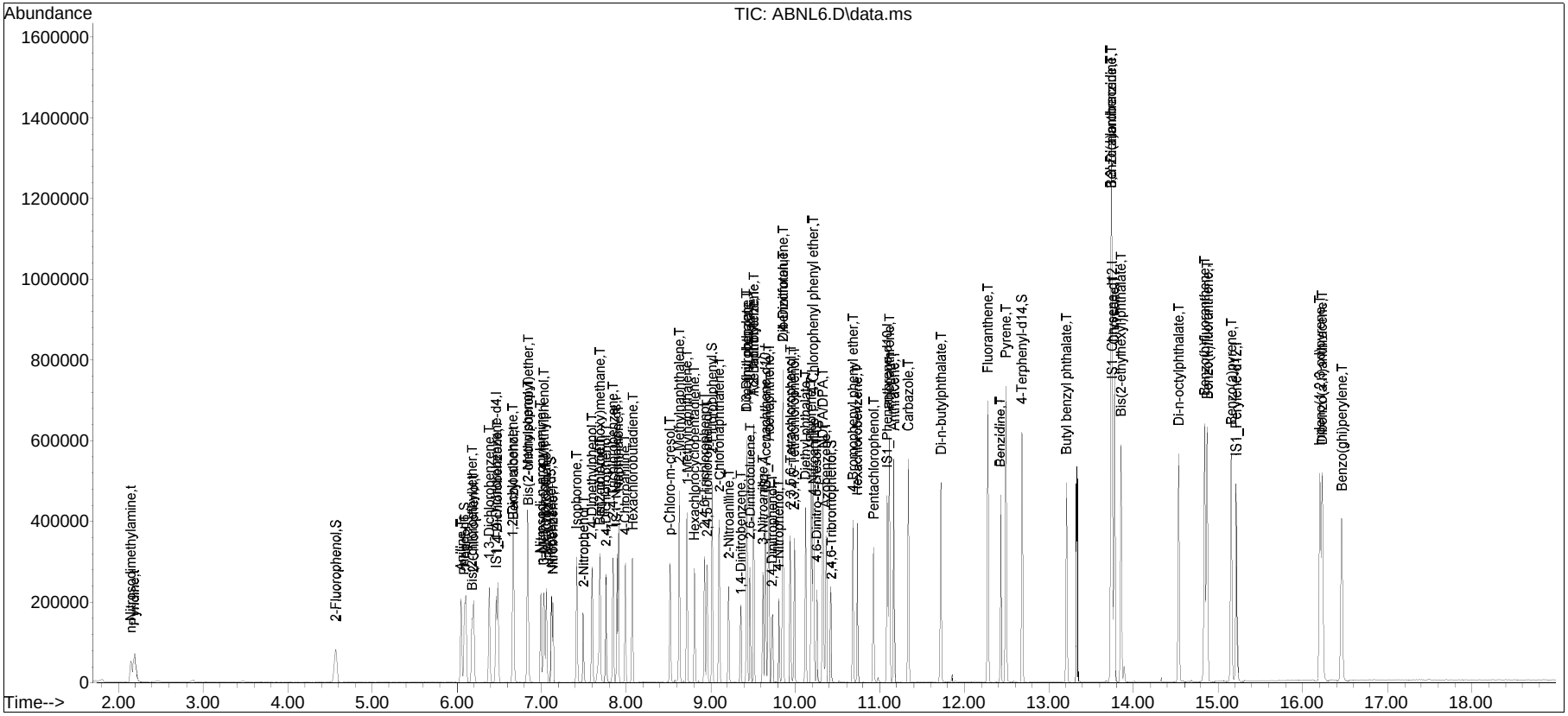
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL6.D
Acq On : 24 Jun 2024 6:07 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939040
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 05:53:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

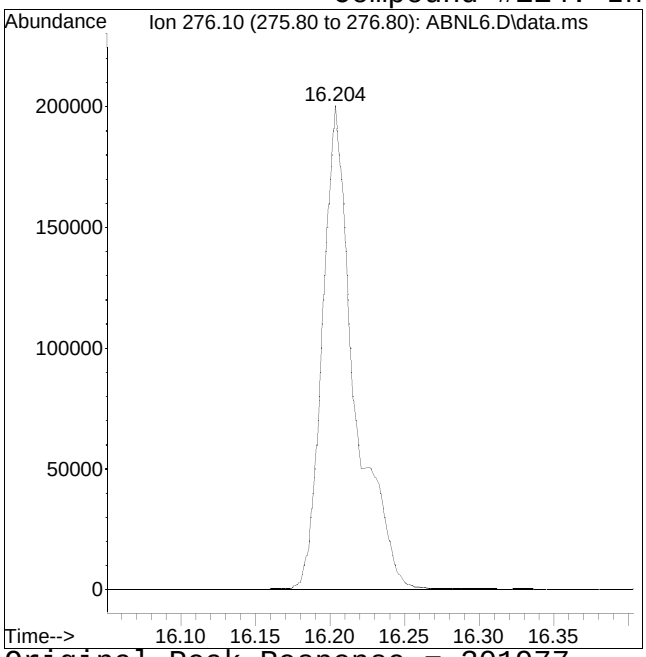
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



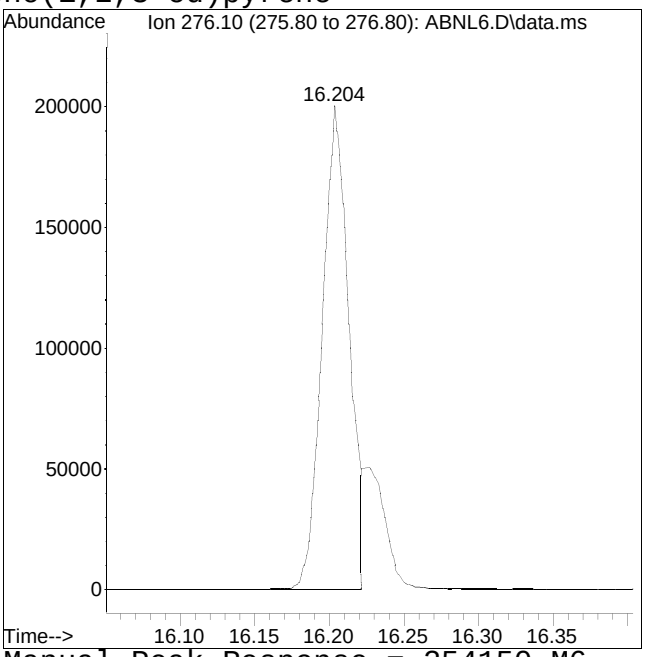
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:07 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 301977



Manual Peak Response = 254150 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	34165	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 99.29%			
35) IS1_Naphthalene-d8	7.886	136	121152	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 99.98%			
63) IS1_Acenaphthene-d10	9.651	164	78435	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 98.75%			
88) IS1_Phenanthrene-d10	11.092	188	181142	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 102.84%			
104) IS1_Chrysene-d12	13.745	240	180502	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 103.32%			
113) IS1_Perylene-d12	15.215	264	197954	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 101.24%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	22732	2.353	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 117.65%#			
7) Phenol-d6	6.092	99	31025	2.486	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 124.30%#			
19) Nitrobenzene-d5	7.116	82	31078	2.326	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 232.60%#			
46) 2-Fluorobiphenyl	9.010	172	73907	2.631	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 263.10%#			
79) 2,4,6-Tribromophenol	10.422	330	11988	2.873	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 143.65%#			
96) 4-Terphenyl-d14	12.680	244	110752	2.839	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 283.90%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.146	74	16530	2.454	ug/ml#	73
3) Pyridine	2.193	79	27593	2.736	ug/ml#	68
5) Aniline	6.051	93	40608	2.516	ug/ml	100
6) 2-Chlorophenol	6.198	128	25772	2.454	ug/ml	98
8) Phenol	6.104	94	32514	2.446	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	26824	2.555	ug/ml#	71
10) 1,3-Dichlorobenzene	6.387	146	31266	2.573	ug/ml	98
11) 1,4-Dichlorobenzene	6.481	146	30948	2.438	ug/ml	98
12) 1,2-Dichlorobenzene	6.657	146	29829	2.574	ug/ml	98
13) Benzyl alcohol	6.669	79	25253	2.487	ug/ml	90
14) Bis(2-chloroisopropyl)...	6.845	45	43021	2.772	ug/ml#	58

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	23701	2.505	ug/ml	98
16) Hexachloroethane	7.051	117	11929	2.305	ug/ml#	47
17) n-Nitrosodi-n-propylamine	6.992	70	21864	2.475	ug/ml#	87
18) 3-Methylphenol/4-Methy...	7.028	108	24874	2.419	ug/ml#	94
20) Nitrobenzene	7.139	77	31837	2.477	ug/ml	92
21) Isophorone	7.416	82	56332	2.470	ug/ml	93
22) 2-Nitrophenol	7.498	139	14092	2.651	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	25723	2.389	ug/ml	95
24) Bis(2-chloroethoxy)met...	7.686	93	34818	2.434	ug/ml	99
25) 2,4-Dichlorophenol	7.763	162	24809	2.528	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.839	180	29209	2.436	ug/ml	97
36) Naphthalene	7.910	128	79805	2.471	ug/ml	99
37) Benzoic Acid	7.669	105	17182	2.297	ug/ml	95
38) 4-Chloroaniline	7.992	65	12394	2.559	ug/ml	84
39) Hexachlorobutadiene	8.081	225	20530	2.465	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	24529	2.478	ug/ml	96
41) 2-Methylnaphthalene	8.628	142	55092	2.560	ug/ml	97
42) 1-Methylnaphthalene	8.722	115	20578	2.287	ug/ml	79
43) Hexachlorocyclopentadiene	8.804	237	23851	2.884	ug/ml	99
44) 2,4,6-Trichlorophenol	8.928	196	22303	2.772	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	24004	2.739	ug/ml	95
47) 2-Chloronaphthalene	9.104	162	57615	2.560	ug/ml	96
48) 2-Nitroaniline	9.222	138	17382	2.667	ug/ml	99
49) 1,4-Dinitrobenzene	9.351	168	9137	2.647	ug/ml	94
50) 1,3-Dinitrobenzene	9.428	168	10499	2.661	ug/ml#	1
51) Dimethyl phthalate	9.428	163	71248	2.396	ug/ml	97
52) Acenaphthylene	9.510	152	89245	2.550	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	15889	2.660	ug/ml	87
54) 1,2-Dinitrobenzene	9.510	168	6478	2.758	ug/ml#	1
64) 3-Nitroaniline	9.622	138	15521	2.703	ug/ml	90
65) Acenaphthene	9.686	154	53091	2.733	ug/ml	93
66) 2,4-Dinitrophenol	9.728	184	9149	2.701	ug/ml	92
67) Dibenzofuran	9.857	168	88957	2.616	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	21597	2.765	ug/ml	93
69) 4-Nitrophenol	9.810	65	15513	2.518	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	9.945	232	22373	3.236	ug/ml	96
71) 2,3,4,6-Tetrachlorophenol	9.986	232	21822	3.215	ug/ml	98
72) Diethyl phthalate	10.122	149	72940	2.578	ug/ml	97
73) Fluorene	10.186	166	70032	2.621	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	37527	2.670	ug/ml#	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.210	138	16748	2.978	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	13444	3.055	ug/ml	#	66
77)	NDPA/DPA	10.322	169	59164	2.689	ug/ml		97
78)	Azobenzene	10.357	77	66922	2.387	ug/ml		95
80)	4-Bromophenyl phenyl e...	10.680	248	23158	2.765	ug/ml	#	83
81)	Hexachlorobenzene	10.733	284	26093	2.691	ug/ml	#	80
82)	Pentachlorophenol	10.927	266	17699	3.133	ug/ml		99
89)	Phenanthrene	11.116	178	111757	2.499	ug/ml		99
90)	Anthracene	11.163	178	113025	2.555	ug/ml		99
91)	Carbazole	11.333	167	104159	2.573	ug/ml		98
92)	Di-n-butylphthalate	11.727	149	127043	2.575	ug/ml		99
93)	Fluoranthene	12.274	202	138839	2.712	ug/ml	#	92
94)	Benzidine	12.427	184	80269	2.735	ug/ml	#	95
95)	Pyrene	12.492	202	146929	2.718	ug/ml		100
97)	Butyl benzyl phthalate	13.210	149	56984	2.716	ug/ml		95
105)	Benzo(a)anthracene	13.733	228	152051	2.604	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.733	252	52387	2.605	ug/ml	#	95
107)	Chrysene	13.768	228	146202	2.537	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	90089	2.602	ug/ml		95
109)	Di-n-octylphthalate	14.533	149	146591	2.585	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.845	252	146018	2.739	ug/ml	#	92
111)	Benzo(k)fluoranthene	14.868	252	139804	2.685	ug/ml	#	91
112)	Benzo(a)pyrene	15.157	252	127828	2.677	ug/ml	#	90
114)	Indeno(1,2,3-cd)pyrene	16.204	276	133184M6	2.738	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	126489	2.735	ug/ml	#	87
116)	Benzo(ghi)perylene	16.456	276	121194	2.654	ug/ml	#	82

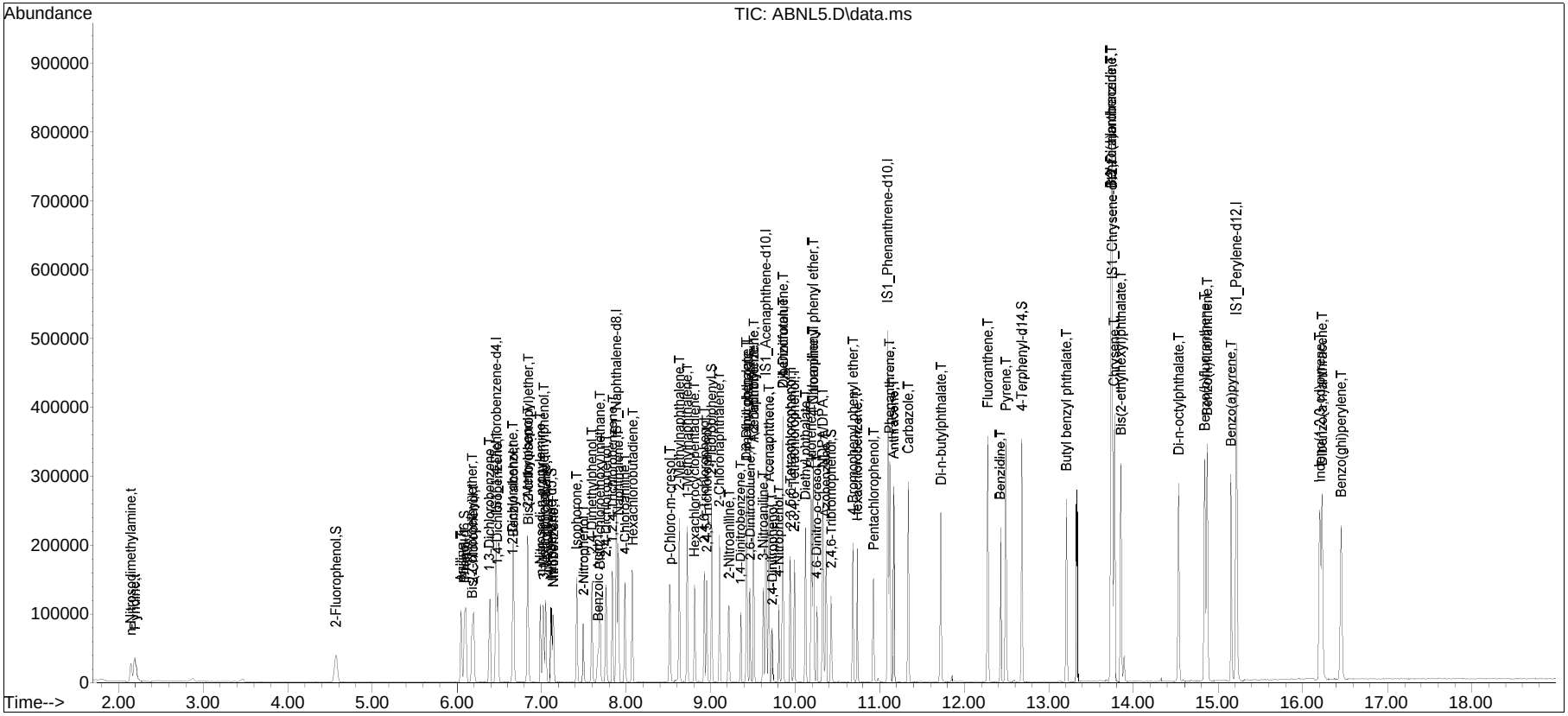
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL5.D
Acq On : 24 Jun 2024 6:31 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939040
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 05:52:15 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

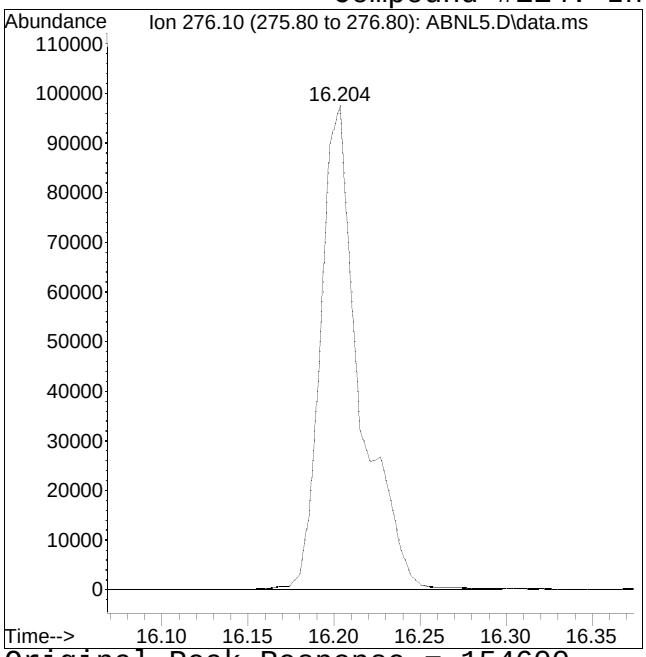
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



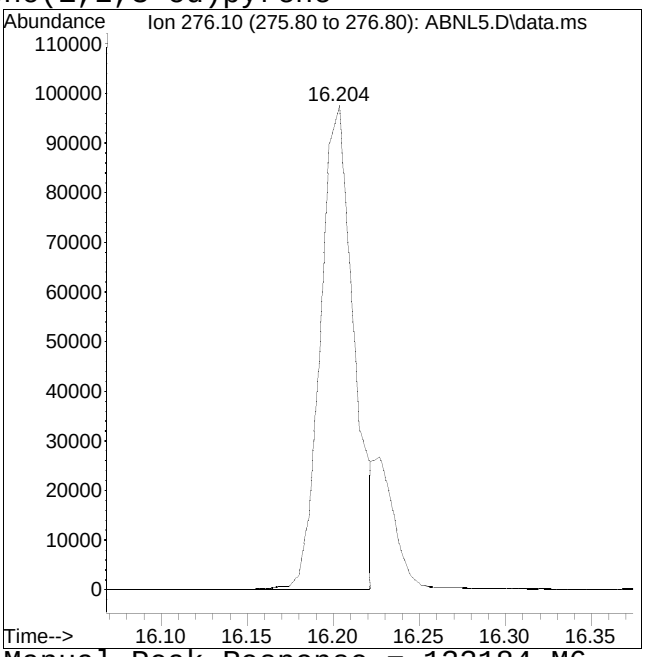
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:31 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 154600



Manual Peak Response = 133184 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	33252	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 96.63%			
35) IS1_Naphthalene-d8	7.886	136	119186	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 98.36%			
63) IS1_Acenaphthene-d10	9.651	164	75761	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.39%			
88) IS1_Phenanthrene-d10	11.092	188	166179	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 94.34%			
104) IS1_Chrysene-d12	13.739	240	173865	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 99.52%			
113) IS1_Perylene-d12	15.215	264	197182	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 100.85%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	9505	1.011	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.55%			
7) Phenol-d6	6.092	99	12748	1.050	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 52.50%			
19) Nitrobenzene-d5	7.116	82	12826	0.986	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 98.60%			
46) 2-Fluorobiphenyl	9.010	172	28908	1.046	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 104.60%			
79) 2,4,6-Tribromophenol	10.422	330	4791	1.189	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.45%			
96) 4-Terphenyl-d14	12.680	244	44844	1.253	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 125.30%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.157	74	7093	1.082	ug/ml#	72
3) Pyridine	2.210	79	11353	1.157	ug/ml#	66
5) Aniline	6.051	93	16121	1.026	ug/ml	97
6) 2-Chlorophenol	6.198	128	10307	1.008	ug/ml	99
8) Phenol	6.104	94	14037	1.085	ug/ml	96
9) Bis(2-chloroethyl)ether	6.181	93	10847	1.062	ug/ml#	75
10) 1,3-Dichlorobenzene	6.387	146	12342	1.043	ug/ml	94
11) 1,4-Dichlorobenzene	6.481	146	12924	1.046	ug/ml	98
12) 1,2-Dichlorobenzene	6.663	146	12347	1.095	ug/ml	99
13) Benzyl alcohol	6.669	79	9873	0.999	ug/ml	93
14) Bis(2-chloroisopropyl)...	6.845	45	17236	1.141	ug/ml#	60

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	9758	1.060	ug/ml	98
16) Hexachloroethane	7.051	117	4997	0.992	ug/ml#	37
17) n-Nitrosodi-n-propylamine	6.992	70	8932	1.039	ug/ml#	87
18) 3-Methylphenol/4-Methy...	7.022	108	10370	1.036	ug/ml	97
20) Nitrobenzene	7.139	77	13642	1.090	ug/ml#	88
21) Isophorone	7.416	82	22645	1.020	ug/ml	94
22) 2-Nitrophenol	7.498	139	5278	1.020	ug/ml#	89
23) 2,4-Dimethylphenol	7.598	107	10461	0.998	ug/ml	94
24) Bis(2-chloroethoxy)met...	7.686	93	13928	1.000	ug/ml#	96
25) 2,4-Dichlorophenol	7.763	162	9935	1.040	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.839	180	12012	1.029	ug/ml	98
36) Naphthalene	7.910	128	32375	1.019	ug/ml	99
37) Benzoic Acid	7.657	105	4874	0.825	ug/ml	94
38) 4-Chloroaniline	7.986	65	4591	0.964	ug/ml	96
39) Hexachlorobutadiene	8.081	225	8062	0.984	ug/ml	95
40) p-Chloro-m-cresol	8.516	107	9616	0.987	ug/ml	98
41) 2-Methylnaphthalene	8.628	142	22268	1.052	ug/ml	95
42) 1-Methylnaphthalene	8.722	115	8612	0.973	ug/ml	78
43) Hexachlorocyclopentadiene	8.804	237	10048	1.235	ug/ml	98
44) 2,4,6-Trichlorophenol	8.928	196	8325	1.052	ug/ml	98
45) 2,4,5-Trichlorophenol	8.957	196	9193	1.066	ug/ml	94
47) 2-Chloronaphthalene	9.104	162	23370	1.056	ug/ml	93
48) 2-Nitroaniline	9.222	138	6702	1.045	ug/ml	94
49) 1,4-Dinitrobenzene	9.351	168	3764	1.109	ug/ml	89
50) 1,3-Dinitrobenzene	9.428	168	4327	1.115	ug/ml#	1
51) Dimethyl phthalate	9.428	163	27563	0.942	ug/ml#	98
52) Acenaphthylene	9.510	152	35549	1.033	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	6019	1.024	ug/ml	89
54) 1,2-Dinitrobenzene	9.510	168	2615	1.132	ug/ml#	1
64) 3-Nitroaniline	9.622	138	6050	1.091	ug/ml	86
65) Acenaphthene	9.686	154	20952	1.117	ug/ml	88
66) 2,4-Dinitrophenol	9.727	184	3177	1.186	ug/ml	95
67) Dibenzofuran	9.857	168	36089	1.099	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	8563	1.135	ug/ml	92
69) 4-Nitrophenol	9.810	65	6170	1.037	ug/ml#	85
70) 2,3,5,6-Tetrachlorophenol	9.945	232	8394	1.257	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	9.986	232	8059	1.229	ug/ml	98
72) Diethyl phthalate	10.122	149	27754	1.015	ug/ml	96
73) Fluorene	10.192	166	28173	1.092	ug/ml	95
74) 4-Chlorophenyl phenyl ...	10.210	204	14281	1.052	ug/ml	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.210	138	6596	1.214	ug/ml#	88
76)	4,6-Dinitro-o-cresol	10.251	198	5104	1.201	ug/ml#	68
77)	NDPA/DPA	10.322	169	24066	1.132	ug/ml	98
78)	Azobenzene	10.357	77	26637	0.984	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.680	248	9267	1.146	ug/ml#	84
81)	Hexachlorobenzene	10.733	284	10567	1.128	ug/ml#	82
82)	Pentachlorophenol	10.927	266	6127	1.123	ug/ml	90
89)	Phenanthrene	11.116	178	46605	1.136	ug/ml	98
90)	Anthracene	11.163	178	45055	1.110	ug/ml	100
91)	Carbazole	11.333	167	42319	1.140	ug/ml	99
92)	Di-n-butylphthalate	11.721	149	47196	1.043	ug/ml	99
93)	Fluoranthene	12.274	202	55429	1.180	ug/ml#	90
94)	Benzidine	12.427	184	30613	1.137	ug/ml#	93
95)	Pyrene	12.492	202	58429	1.178	ug/ml	98
97)	Butyl benzyl phthalate	13.210	149	21998	1.143	ug/ml	94
105)	Benzo(a)anthracene	13.733	228	61253	1.089	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.733	252	19850	1.025	ug/ml#	95
107)	Chrysene	13.768	228	59264	1.068	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.851	149	32891	0.986	ug/ml#	94
109)	Di-n-octylphthalate	14.533	149	53959	0.988	ug/ml#	75
110)	Benzo(b)fluoranthene	14.845	252	60994	1.188	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	57734	1.151	ug/ml#	92
112)	Benzo(a)pyrene	15.157	252	51841	1.127	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.204	276	54265M6	1.120	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	52016	1.129	ug/ml#	86
116)	Benzo(ghi)perylene	16.456	276	49379	1.086	ug/ml#	83

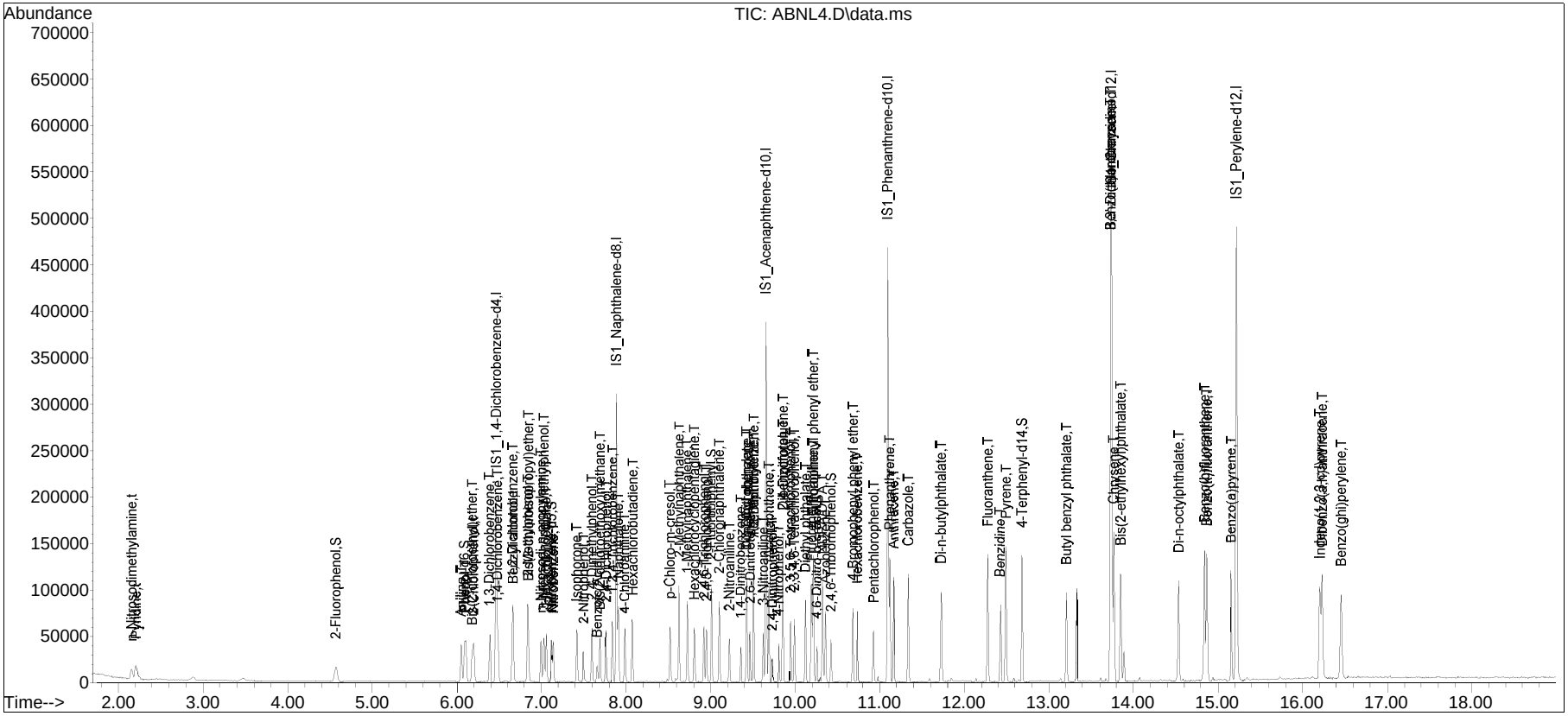
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL4.D
Acq On : 24 Jun 2024 6:54 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939040
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 05:51:23 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

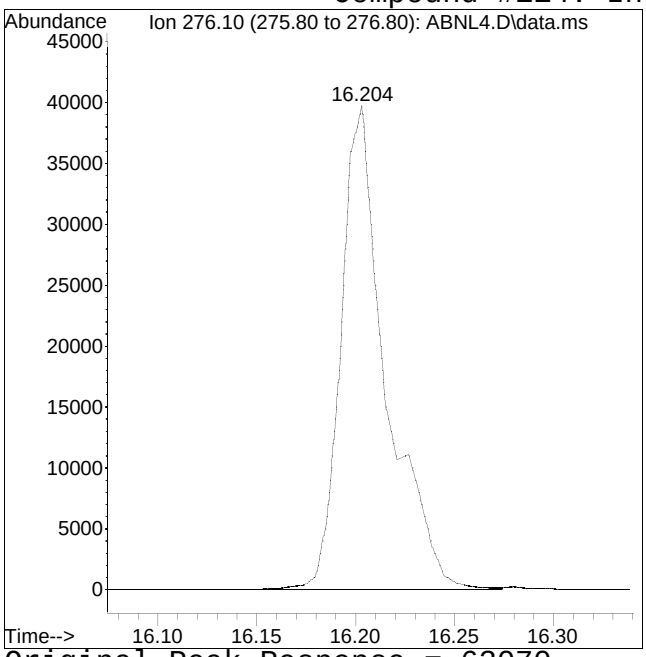
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



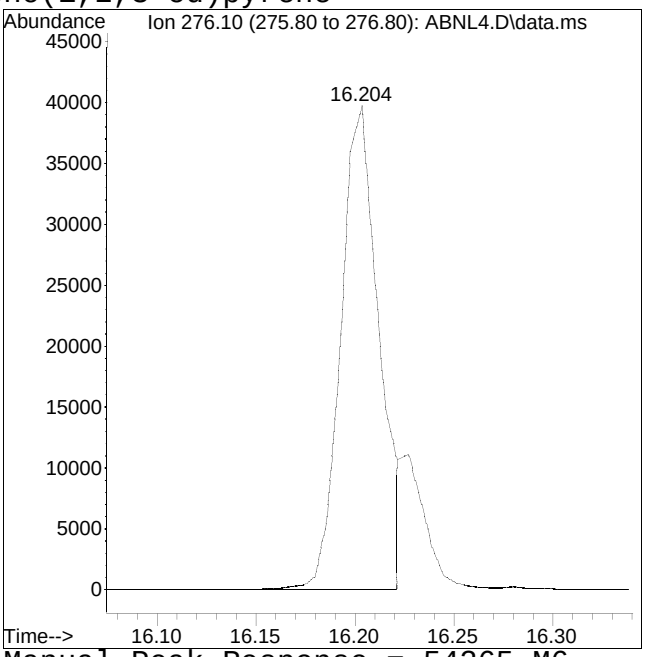
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL4.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 6:54 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/25/2024 5:34 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 63070



Manual Peak Response = 54265 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	32391	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 94.13%			
35) IS1_Naphthalene-d8	7.886	136	113586	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 93.74%			
63) IS1_Acenaphthene-d10	9.651	164	72453	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 91.22%			
88) IS1_Phenanthrene-d10	11.092	188	159947	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 90.81%			
104) IS1_Chrysene-d12	13.739	240	165980	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 95.00%			
113) IS1_Perylene-d12	15.215	264	186363	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 95.31%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.575	112	4629	0.505	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.25%			
7) Phenol-d6	6.092	99	6559	0.554	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.70%			
19) Nitrobenzene-d5	7.116	82	7068	0.558	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 55.80%			
46) 2-Fluorobiphenyl	9.010	172	15156	0.575	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.50%			
79) 2,4,6-Tribromophenol	10.422	330	2101	0.545	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.25%			
96) 4-Terphenyl-d14	12.680	244	21790	0.633	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.30%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.157	74	3457	0.541	ug/ml#	69
3) Pyridine	2.210	79	5488	0.574	ug/ml#	74
5) Aniline	6.051	93	8064	0.527	ug/ml	98
6) 2-Chlorophenol	6.198	128	5633	0.566	ug/ml	95
8) Phenol	6.104	94	6512	0.517	ug/ml#	87
9) Bis(2-chloroethyl)ether	6.187	93	5827	0.585	ug/ml#	79
10) 1,3-Dichlorobenzene	6.387	146	6223	0.540	ug/ml	96
11) 1,4-Dichlorobenzene	6.481	146	6794	0.564	ug/ml	92
12) 1,2-Dichlorobenzene	6.663	146	6532	0.595	ug/ml	98
13) Benzyl alcohol	6.669	79	5006	0.520	ug/ml	95
14) Bis(2-chloroisopropyl)...	6.845	45	9139	0.621	ug/ml#	58

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	5000	0.557	ug/ml	98
16) Hexachloroethane	7.051	117	2693	0.549	ug/ml#	51
17) n-Nitrosodi-n-propylamine	6.992	70	4078	0.487	ug/ml#	85
18) 3-Methylphenol/4-Methy...	7.028	108	5313	0.545	ug/ml	94
20) Nitrobenzene	7.139	77	6525	0.535	ug/ml#	88
21) Isophorone	7.422	82	10954	0.507	ug/ml	94
22) 2-Nitrophenol	7.498	139	2652	0.526	ug/ml#	91
23) 2,4-Dimethylphenol	7.598	107	4966	0.486	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.686	93	7556	0.557	ug/ml#	96
25) 2,4-Dichlorophenol	7.763	162	4778	0.513	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.839	180	6565	0.578	ug/ml	96
36) Naphthalene	7.910	128	17639	0.583	ug/ml	98
37) Benzoic Acid	7.651	105	1855	0.465	ug/ml#	86
38) 4-Chloroaniline	7.992	65	2373	0.523	ug/ml	92
39) Hexachlorobutadiene	8.081	225	4619	0.591	ug/ml	95
40) p-Chloro-m-cresol	8.516	107	4568	0.492	ug/ml	97
41) 2-Methylnaphthalene	8.628	142	10991	0.545	ug/ml#	92
42) 1-Methylnaphthalene	8.722	115	4410	0.523	ug/ml	74
43) Hexachlorocyclopentadiene	8.810	237	4441	0.573	ug/ml#	90
44) 2,4,6-Trichlorophenol	8.928	196	4214	0.559	ug/ml	94
45) 2,4,5-Trichlorophenol	8.957	196	4787	0.583	ug/ml	96
47) 2-Chloronaphthalene	9.104	162	11776	0.558	ug/ml	99
48) 2-Nitroaniline	9.222	138	3369	0.551	ug/ml	93
49) 1,4-Dinitrobenzene	9.351	168	1818	0.562	ug/ml	91
50) 1,3-Dinitrobenzene	9.428	168	1997	0.540	ug/ml#	1
51) Dimethyl phthalate	9.428	163	14729	0.528	ug/ml	99
52) Acenaphthylene	9.510	152	18626	0.568	ug/ml	98
53) 2,6-Dinitrotoluene	9.469	165	2872	0.513	ug/ml	91
54) 1,2-Dinitrobenzene	9.510	168	1334	0.606	ug/ml#	1
64) 3-Nitroaniline	9.622	138	2948	0.556	ug/ml#	80
65) Acenaphthene	9.686	154	10908	0.608	ug/ml	92
66) 2,4-Dinitrophenol	9.727	184	1578	0.777	ug/ml#	78
67) Dibenzofuran	9.857	168	17986	0.573	ug/ml	97
68) 2,4-Dinitrotoluene	9.857	165	4169	0.578	ug/ml	95
69) 4-Nitrophenol	9.810	65	2994	0.526	ug/ml	87
70) 2,3,5,6-Tetrachlorophenol	9.945	232	4162	0.652	ug/ml	94
71) 2,3,4,6-Tetrachlorophenol	9.986	232	4066	0.648	ug/ml	98
72) Diethyl phthalate	10.122	149	14511	0.555	ug/ml	98
73) Fluorene	10.186	166	14234	0.577	ug/ml	98
74) 4-Chlorophenyl phenyl ...	10.210	204	8032	0.619	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.210	138	3375	0.650	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	2290	0.563	ug/ml	#	60
77)	NDPA/DPA	10.322	169	11420	0.562	ug/ml	#	93
78)	Azobenzene	10.357	77	13064	0.504	ug/ml		95
80)	4-Bromophenyl phenyl e...	10.680	248	4283	0.554	ug/ml	#	85
81)	Hexachlorobenzene	10.733	284	5638	0.630	ug/ml	#	82
82)	Pentachlorophenol	10.927	266	2716	0.520	ug/ml		96
89)	Phenanthrene	11.116	178	22912	0.580	ug/ml		98
90)	Anthracene	11.163	178	23000	0.589	ug/ml		97
91)	Carbazole	11.333	167	20524	0.574	ug/ml		100
92)	Di-n-butylphthalate	11.721	149	23542	0.540	ug/ml		99
93)	Fluoranthene	12.274	202	27289	0.604	ug/ml	#	92
94)	Benzidine	12.427	184	15029	0.580	ug/ml	#	96
95)	Pyrene	12.492	202	29403	0.616	ug/ml		99
97)	Butyl benzyl phthalate	13.210	149	10165	0.549	ug/ml	#	98
105)	Benzo(a)anthracene	13.733	228	31479	0.586	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.733	252	9210	0.498	ug/ml		98
107)	Chrysene	13.768	228	30717	0.580	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.851	149	15961	0.501	ug/ml	#	93
109)	Di-n-octylphthalate	14.533	149	26660	0.511	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.839	252	31884	0.650	ug/ml	#	93
111)	Benzo(k)fluoranthene	14.868	252	28603	0.597	ug/ml	#	90
112)	Benzo(a)pyrene	15.157	252	26611	0.606	ug/ml	#	93
114)	Indeno(1,2,3-cd)pyrene	16.204	276	26167M6	0.571	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	24873	0.571	ug/ml	#	88
116)	Benzo(ghi)perylene	16.456	276	24280M1	0.565	ug/ml		

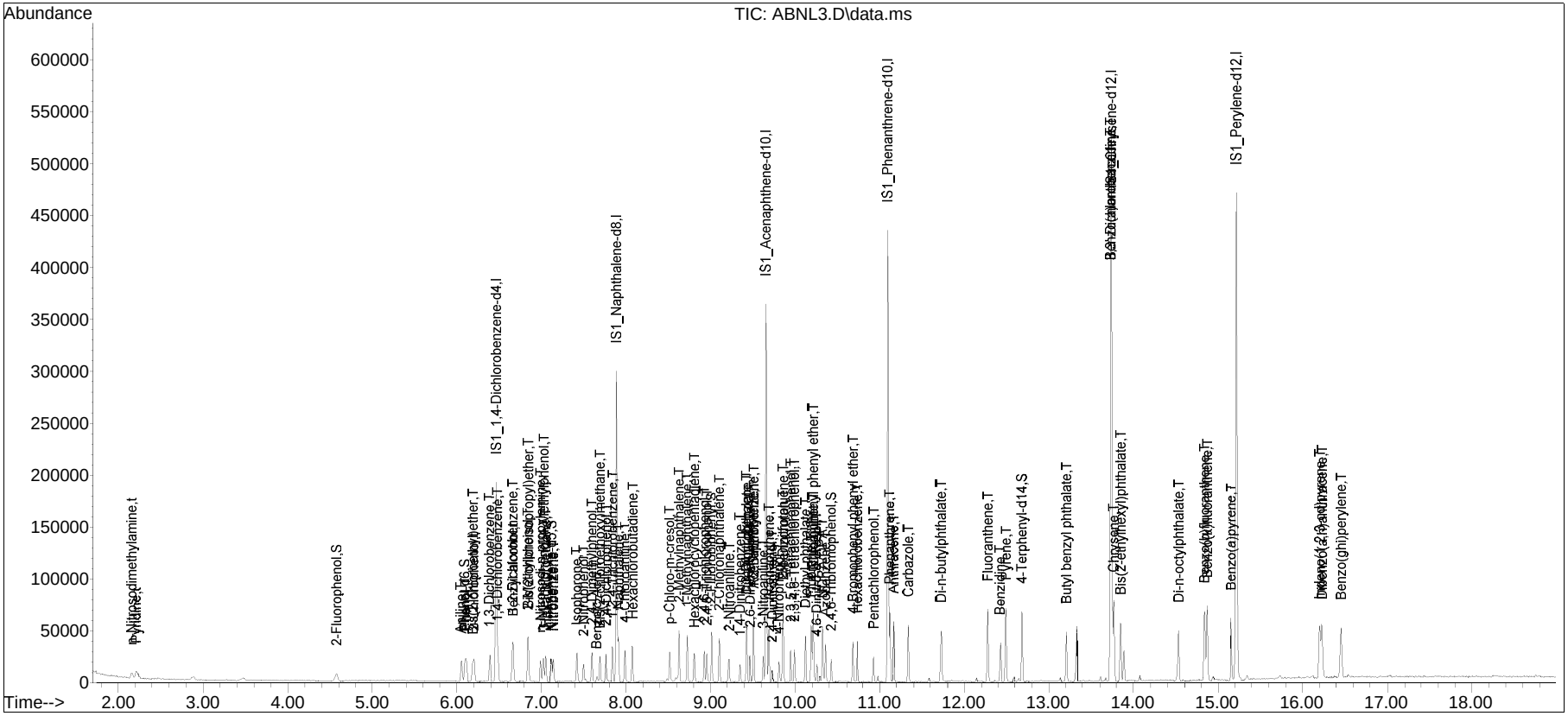
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL3.D
Acq On : 24 Jun 2024 7:18 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939040
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 25 06:02:16 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

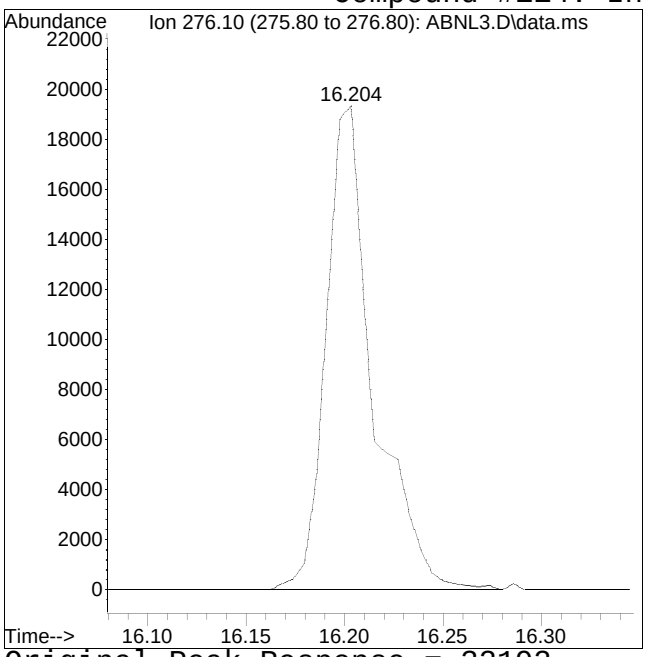
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



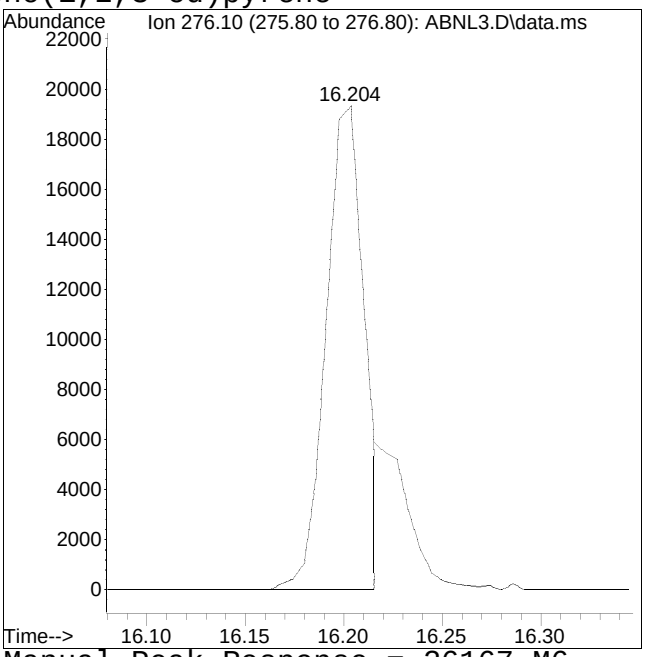
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:18 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/25/2024 5:33 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 32192



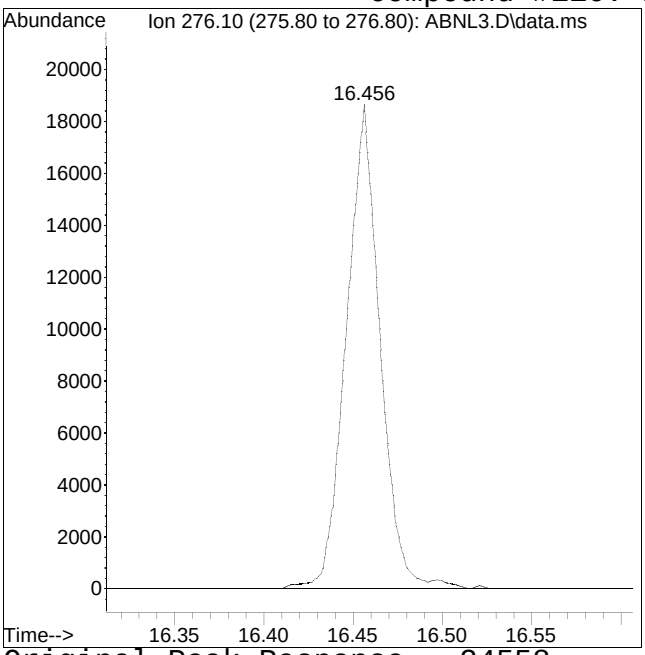
Manual Peak Response = 26167 M6

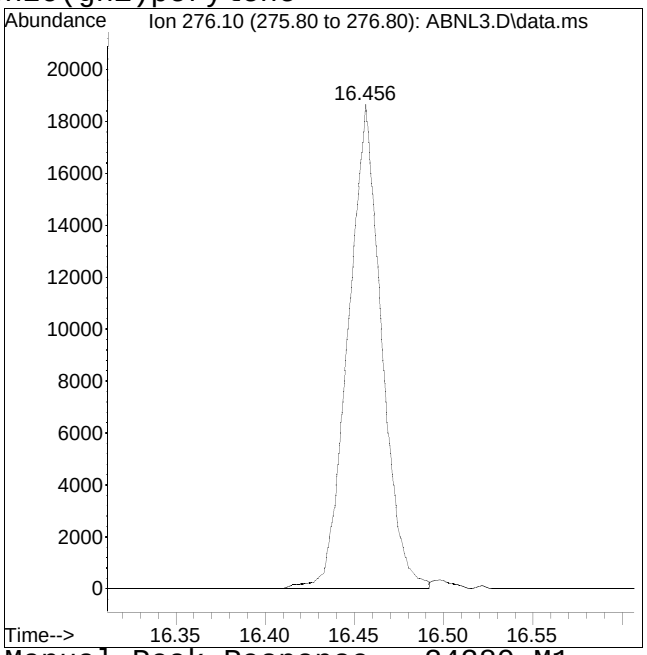
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:18 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/25/2024 5:33 am

Compound #116: Benzo(ghi)perylene





Original Peak Response = 24558 Manual Peak Response = 24280 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.463	152	32157	4.000 ug/ml	0.00
Standard Area 1 = 34411			Recovery = 93.45%		
35) IS1_Naphthalene-d8	7.886	136	111078	4.000 ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 91.67%		
63) IS1_Acenaphthene-d10	9.651	164	71285	4.000 ug/ml	0.00
Standard Area 1 = 79426			Recovery = 89.75%		
88) IS1_Phenanthrene-d10	11.092	188	160145	4.000 ug/ml	0.00
Standard Area 1 = 176143			Recovery = 90.92%		
104) IS1_Chrysene-d12	13.745	240	163949	4.000 ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 93.84%		
113) IS1_Perylene-d12	15.215	264	181432	4.000 ug/ml	0.00
Standard Area 1 = 195526			Recovery = 92.79%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.581	112	2228	0.245 ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.25%#		
7) Phenol-d6	6.092	99	2724	0.232 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.60%#		
19) Nitrobenzene-d5	7.116	82	2797	0.222 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.20%#		
46) 2-Fluorobiphenyl	9.010	172	6598	0.256 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.60%#		
79) 2,4,6-Tribromophenol	10.422	330	956	0.252 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 12.60%#		
96) 4-Terphenyl-d14	12.680	244	10033	0.291 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 29.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.163	74	1537	0.242 ug/ml#	80
3) Pyridine	2.222	79	2501	0.263 ug/ml#	60
5) Aniline	6.057	93	3642	0.240 ug/ml	97
6) 2-Chlorophenol	6.198	128	2335	0.236 ug/ml	99
8) Phenol	6.110	94	2795	0.223 ug/ml#	88
9) Bis(2-chloroethyl)ether	6.186	93	2430	0.246 ug/ml#	76
10) 1,3-Dichlorobenzene	6.386	146	2991	0.261 ug/ml	97
11) 1,4-Dichlorobenzene	6.481	146	2633M3	0.220 ug/ml	
12) 1,2-Dichlorobenzene	6.663	146	2723	0.250 ug/ml	92
13) Benzyl alcohol	6.669	79	2304	0.241 ug/ml#	89
14) Bis(2-chloroisopropyl)...	6.845	45	4104	0.281 ug/ml#	57

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	2042	0.229	ug/ml#	96
16) Hexachloroethane	7.051	117	1192	0.245	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.998	70	1776	0.214	ug/ml#	59
18) 3-Methylphenol/4-Methy...	7.028	108	2355	0.243	ug/ml#	91
20) Nitrobenzene	7.139	77	2854	0.236	ug/ml#	86
21) Isophorone	7.422	82	4478	0.209	ug/ml#	91
22) 2-Nitrophenol	7.498	139	1296	0.259	ug/ml#	88
23) 2,4-Dimethylphenol	7.598	107	2165	0.214	ug/ml	90
24) Bis(2-chloroethoxy)met...	7.692	93	3272	0.243	ug/ml#	91
25) 2,4-Dichlorophenol	7.763	162	2108	0.228	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.845	180	2635	0.234	ug/ml	89
36) Naphthalene	7.910	128	7948	0.268	ug/ml	97
37) Benzoic Acid	7.657	105	412M2	0.280	ug/ml	
38) 4-Chloroaniline	7.992	65	1156	0.260	ug/ml#	68
39) Hexachlorobutadiene	8.081	225	2177	0.285	ug/ml	90
40) p-Chloro-m-cresol	8.516	107	2038	0.225	ug/ml#	89
41) 2-Methylnaphthalene	8.628	142	4870M3	0.247	ug/ml	
42) 1-Methylnaphthalene	8.722	115	1817	0.220	ug/ml	89
43) Hexachlorocyclopentadiene	8.810	237	2090	0.276	ug/ml#	93
44) 2,4,6-Trichlorophenol	8.928	196	1818	0.246	ug/ml	84
45) 2,4,5-Trichlorophenol	8.957	196	1717	0.214	ug/ml	93
47) 2-Chloronaphthalene	9.104	162	5430	0.263	ug/ml	95
48) 2-Nitroaniline	9.222	138	1412	0.236	ug/ml	93
49) 1,4-Dinitrobenzene	9.357	168	811M3	0.256	ug/ml	
50) 1,3-Dinitrobenzene	9.427	168	730	0.202	ug/ml#	1
51) Dimethyl phthalate	9.427	163	6172	0.226	ug/ml#	93
52) Acenaphthylene	9.510	152	7648	0.238	ug/ml	98
53) 2,6-Dinitrotoluene	9.469	165	1183	0.216	ug/ml	90
54) 1,2-Dinitrobenzene	9.510	168	495M3	0.230	ug/ml	
64) 3-Nitroaniline	9.622	138	1204	0.231	ug/ml#	60
65) Acenaphthene	9.686	154	4683	0.265	ug/ml	85
66) 2,4-Dinitrophenol	9.733	184	426M2	0.457	ug/ml	
67) Dibenzofuran	9.857	168	8058	0.261	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	1997	0.281	ug/ml	88
69) 4-Nitrophenol	9.816	65	1178	0.210	ug/ml	87
70) 2,3,5,6-Tetrachlorophenol	9.945	232	1518	0.242	ug/ml	90
71) 2,3,4,6-Tetrachlorophenol	9.986	232	1609	0.261	ug/ml	95
72) Diethyl phthalate	10.122	149	6507	0.253	ug/ml	99
73) Fluorene	10.186	166	6010	0.248	ug/ml	90
74) 4-Chlorophenyl phenyl ...	10.210	204	3442	0.269	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	10.210	138	1274	0.249	ug/ml	92
76)	4,6-Dinitro-o-cresol	10.251	198	755	0.189	ug/ml#	62
77)	NDPA/DPA	10.322	169	5230	0.262	ug/ml	97
78)	Azobenzene	10.357	77	5664	0.222	ug/ml	97
80)	4-Bromophenyl phenyl e...	10.680	248	2231	0.293	ug/ml#	78
81)	Hexachlorobenzene	10.733	284	2504	0.284	ug/ml#	84
82)	Pentachlorophenol	10.927	266	1228	0.239	ug/ml	88
89)	Phenanthrene	11.116	178	10935	0.277	ug/ml	98
90)	Anthracene	11.169	178	9713	0.248	ug/ml	97
91)	Carbazole	11.333	167	8819	0.246	ug/ml	96
92)	Di-n-butylphthalate	11.727	149	10453	0.240	ug/ml	99
93)	Fluoranthene	12.274	202	12420	0.274	ug/ml#	92
94)	Benzidine	12.427	184	5894	0.227	ug/ml#	83
95)	Pyrene	12.492	202	13308	0.278	ug/ml	99
97)	Butyl benzyl phthalate	13.210	149	4746	0.256	ug/ml	93
105)	Benzo(a)anthracene	13.733	228	13886	0.262	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.733	252	4267	0.234	ug/ml	99
107)	Chrysene	13.768	228	14549	0.278	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	13.851	149	6894	0.219	ug/ml#	98
109)	Di-n-octylphthalate	14.533	149	11164	0.217	ug/ml#	76
110)	Benzo(b)fluoranthene	14.845	252	13701	0.283	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	13627	0.288	ug/ml#	91
112)	Benzo(a)pyrene	15.157	252	11806	0.272	ug/ml#	92
114)	Indeno(1,2,3-cd)pyrene	16.203	276	10846M1	0.243	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	10791	0.255	ug/ml#	90
116)	Benzo(ghi)perylene	16.456	276	10598	0.253	ug/ml#	85

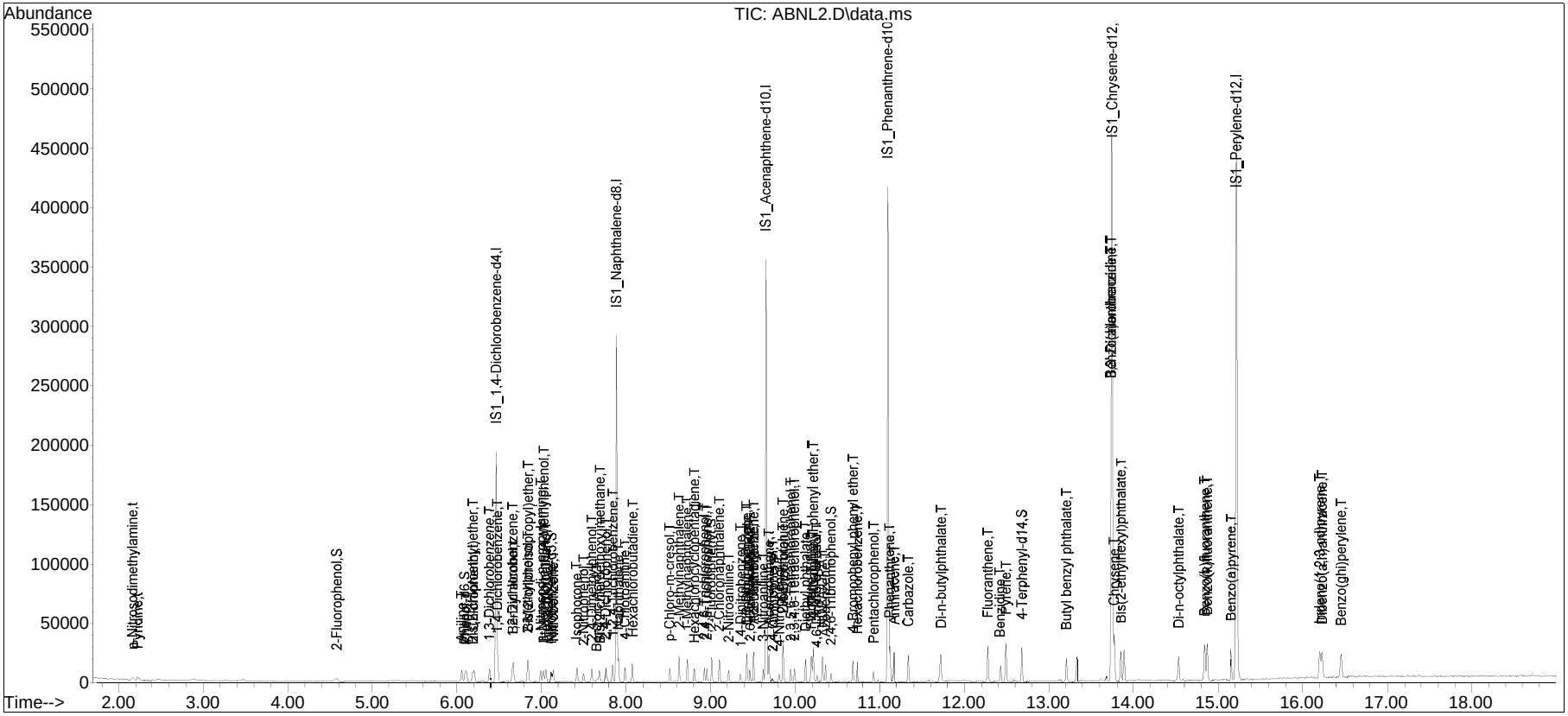
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL2.D
Acq On : 24 Jun 2024 7:42 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939040
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 25 05:49:27 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

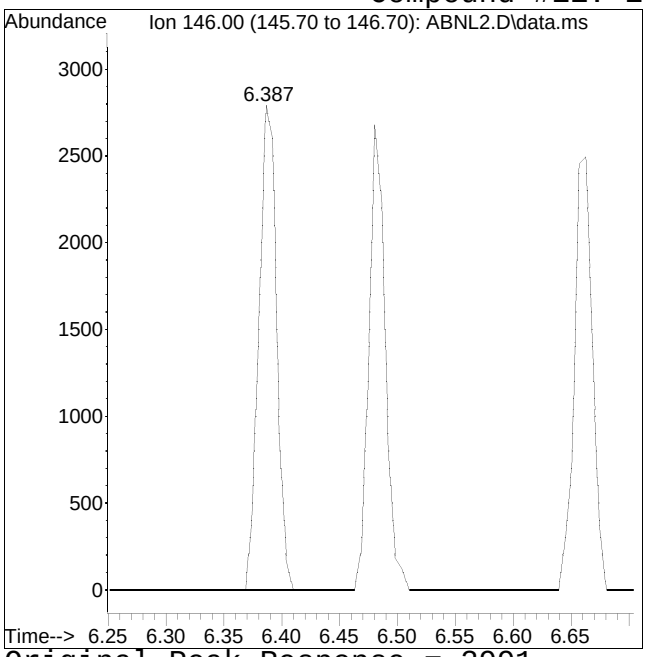
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

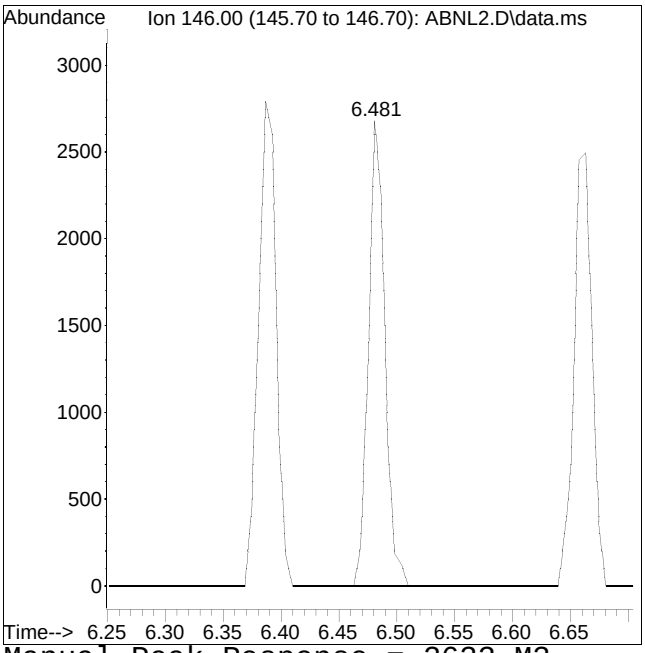


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #11: 1,4-Dichlorobenzene





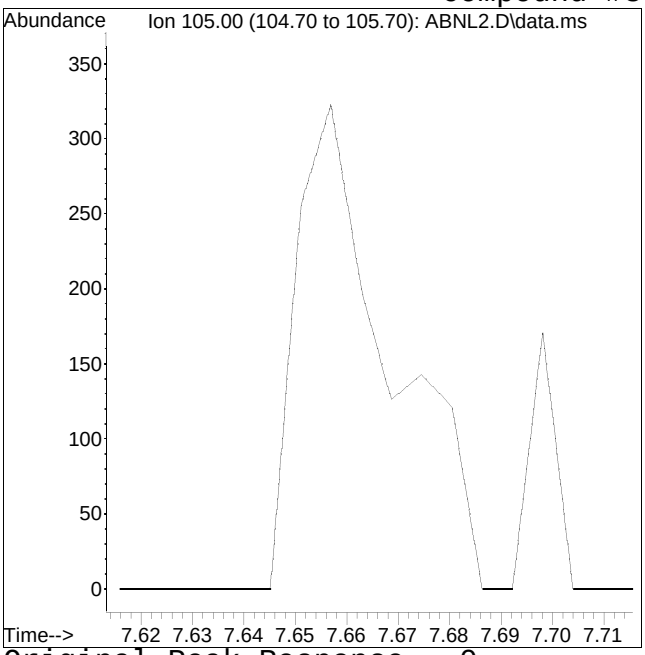
Original Peak Response = 2991 Manual Peak Response = 2633 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

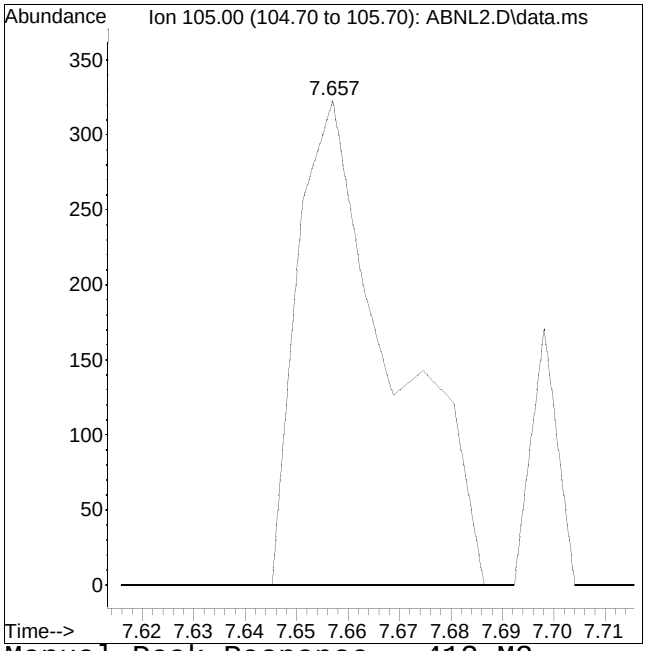
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #37: Benzoic Acid



Original Peak Response = 0



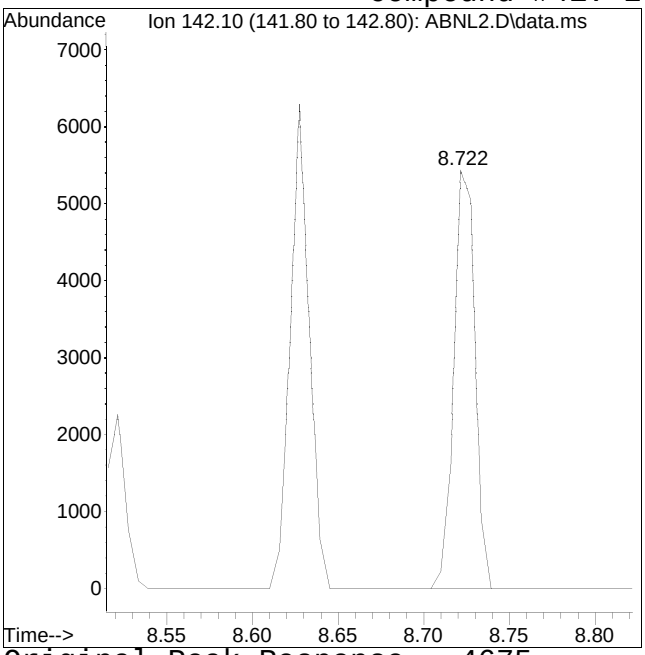
Manual Peak Response = 412 M2

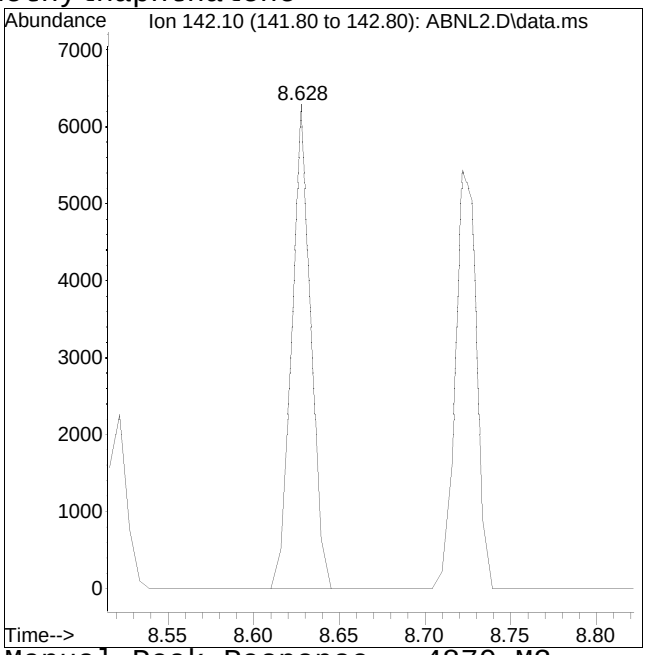
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #41: 2-Methylnaphthalene





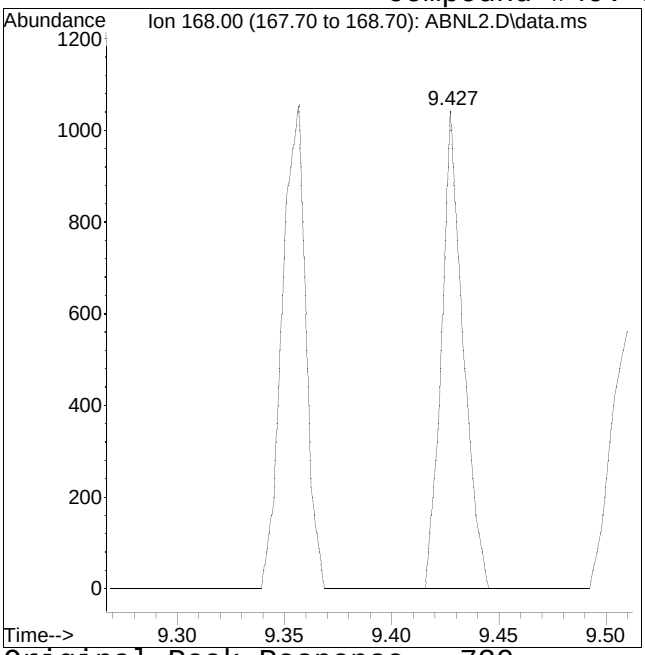
Original Peak Response = 4675 Manual Peak Response = 4870 M3

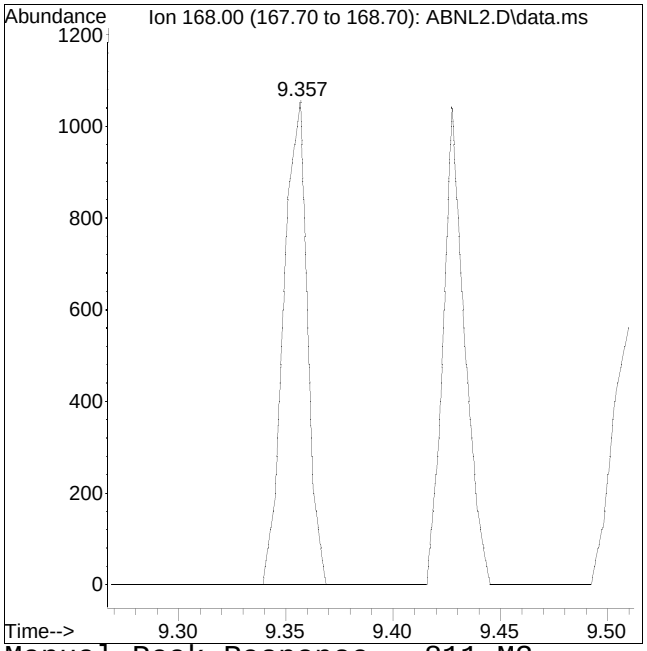
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #49: 1,4-Dinitrobenzene



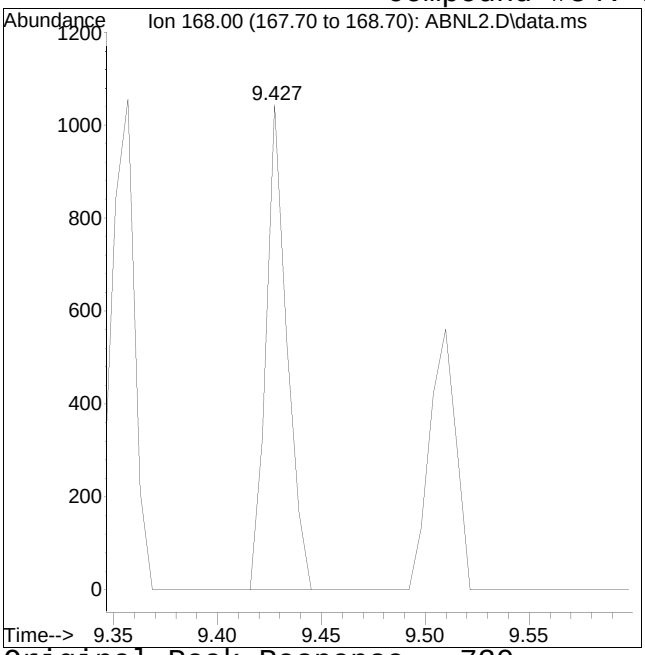


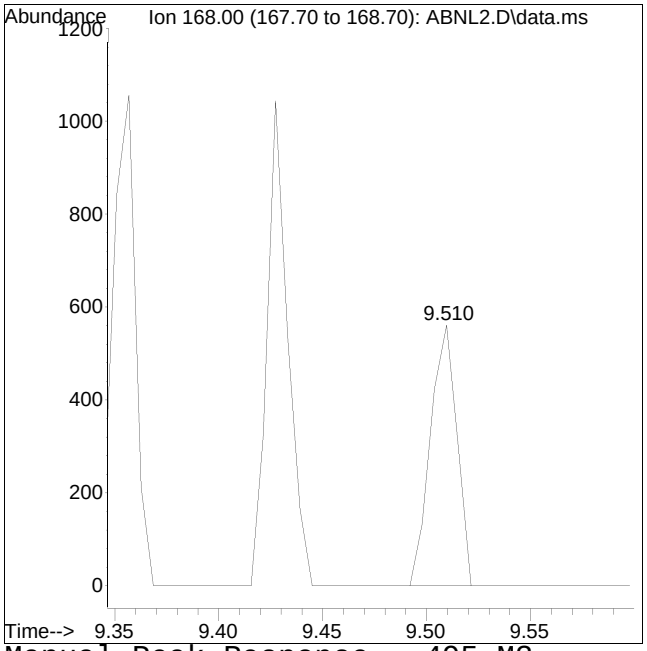
Original Peak Response = 730 Manual Peak Response = 811 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #54: 1,2-Dinitrobenzene



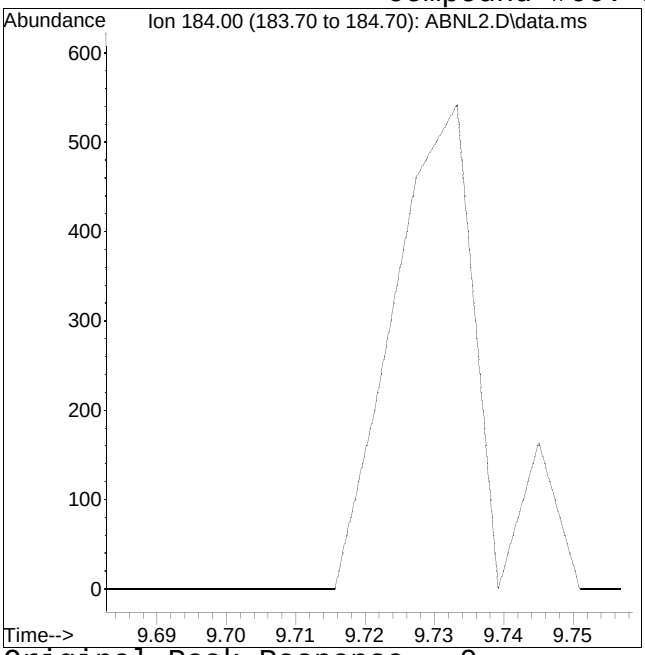


Original Peak Response = 730 Manual Peak Response = 495 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

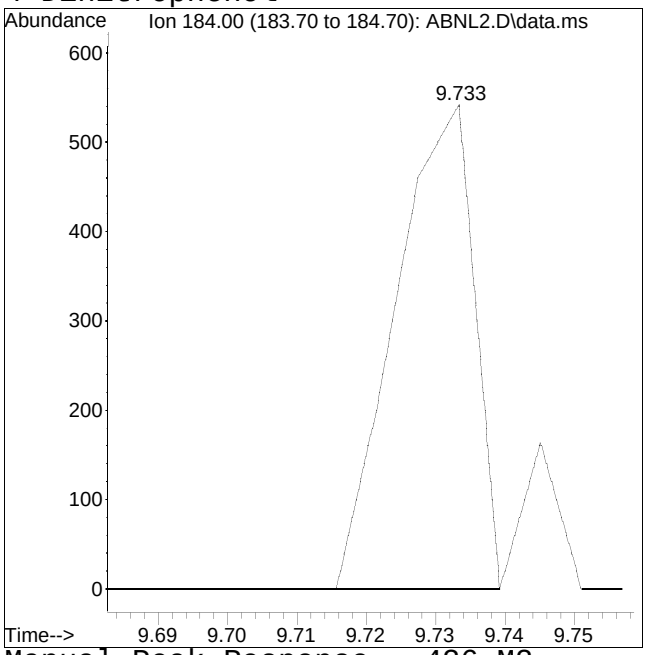
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



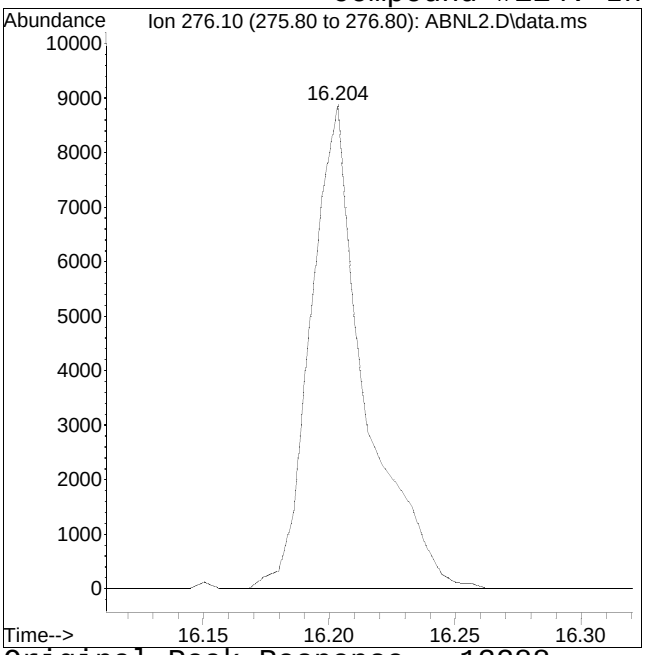
Manual Peak Response = 426 M2

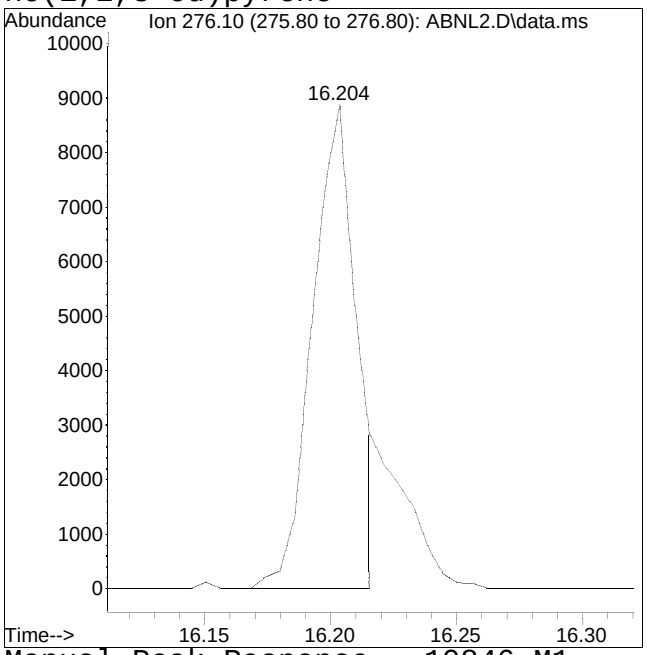
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 7:42 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/25/2024 5:33 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 13288 Manual Peak Response = 10846 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	30958	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 89.97%			
35) IS1_Naphthalene-d8	7.887	136	110543	4.000	ug/ml	# 0.00
Standard Area 1 = 121176			Recovery = 91.23%			
63) IS1_Acenaphthene-d10	9.651	164	68462	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 86.20%			
88) IS1_Phenanthrene-d10	11.092	188	154950	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 87.97%			
104) IS1_Chrysene-d12	13.745	240	160753	4.000	ug/ml	# 0.00
Standard Area 1 = 174707			Recovery = 92.01%			
113) IS1_Perylene-d12	15.215	264	178931	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 91.51%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.569	112	843	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
7) Phenol-d6	6.093	99	1503	0.123	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 6.15%#			
19) Nitrobenzene-d5	7.116	82	1438	0.115	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.50%#			
46) 2-Fluorobiphenyl	9.010	172	3422	0.121	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.10%#			
79) 2,4,6-Tribromophenol	10.422	330	399M2	0.094	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#			
96) 4-Terphenyl-d14	12.686	244	4923	0.118	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.80%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.163	74	726	0.110	ug/ml#	79
3) Pyridine	2.246	79	1181	0.110	ug/ml#	57
5) Aniline	6.057	93	1891	0.119	ug/ml#	84
6) 2-Chlorophenol	6.204	128	1073	0.108	ug/ml#	71
8) Phenol	6.110	94	1502	0.118	ug/ml#	92
9) Bis(2-chloroethyl)ether	6.187	93	1185	0.114	ug/ml#	61
10) 1,3-Dichlorobenzene	6.387	146	1370	0.114	ug/ml	98
11) 1,4-Dichlorobenzene	6.481	146	1459	0.120	ug/ml	95
12) 1,2-Dichlorobenzene	6.663	146	1448M3	0.123	ug/ml	
13) Benzyl alcohol	6.669	79	1061	0.108	ug/ml	94

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
14) Bis(2-chloroisopropyl)...	6.845	45	2053	0.122	ug/ml	#	55
15) 2-Methylphenol	6.840	108	1006	0.110	ug/ml	#	78
16) Hexachloroethane	7.051	117	575	0.119	ug/ml	#	52
17) n-Nitrosodi-n-propylamine	6.992	70	845	0.103	ug/ml	#	59
18) 3-Methylphenol/4-Methy...	7.028	108	1055	0.107	ug/ml	#	90
20) Nitrobenzene	7.140	77	1549	0.122	ug/ml	#	88
21) Isophorone	7.422	82	2344	0.110	ug/ml	#	65
22) 2-Nitrophenol	7.498	139	527	0.098	ug/ml	#	31
23) 2,4-Dimethylphenol	7.592	107	1265	0.126	ug/ml	#	63
24) Bis(2-chloroethoxy)met...	7.692	93	1666	0.121	ug/ml	#	50
25) 2,4-Dichlorophenol	7.763	162	1068	0.112	ug/ml	#	67
26) 1,2,4-Trichlorobenzene	7.845	180	1514	0.130	ug/ml	#	69
36) Naphthalene	7.910	128	3600	0.114	ug/ml	#	88
37) Benzoic Acid	0.000		0	N.D.			
38) 4-Chloroaniline	7.992	65	478M2	0.102	ug/ml		
39) Hexachlorobutadiene	8.075	225	1064	0.127	ug/ml		96
40) p-Chloro-m-cresol	8.522	107	1033	0.109	ug/ml	#	78
41) 2-Methylnaphthalene	8.628	142	2466M3	0.117	ug/ml		
42) 1-Methylnaphthalene	8.722	115	827	0.103	ug/ml		93
43) Hexachlorocyclopentadiene	8.804	237	1046	0.113	ug/ml	#	86
44) 2,4,6-Trichlorophenol	8.928	196	852	0.103	ug/ml	#	81
45) 2,4,5-Trichlorophenol	8.957	196	963	0.108	ug/ml	#	76
47) 2-Chloronaphthalene	9.110	162	2572	0.115	ug/ml		96
48) 2-Nitroaniline	9.222	138	742	0.110	ug/ml		97
49) 1,4-Dinitrobenzene	9.351	168	282M2	0.079	ug/ml		
50) 1,3-Dinitrobenzene	9.428	168	467M2	0.115	ug/ml		
51) Dimethyl phthalate	9.422	163	3122	0.114	ug/ml	#	77
52) Acenaphthylene	9.510	152	3583	0.104	ug/ml	#	86
53) 2,6-Dinitrotoluene	9.469	165	653	0.111	ug/ml	#	53
54) 1,2-Dinitrobenzene	9.504	168	264M2	0.105	ug/ml		
64) 3-Nitroaniline	9.622	138	425M2	0.078	ug/ml		
65) Acenaphthene	9.681	154	2333	0.118	ug/ml	#	84
66) 2,4-Dinitrophenol	0.000		0	N.D.	d		
67) Dibenzofuran	9.857	168	4069	0.123	ug/ml		96
68) 2,4-Dinitrotoluene	9.857	165	866	0.107	ug/ml	#	85
69) 4-Nitrophenol	9.810	65	483M3	0.087	ug/ml		
70) 2,3,5,6-Tetrachlorophenol	9.945	232	754	0.097	ug/ml	#	73
71) 2,3,4,6-Tetrachlorophenol	9.992	232	659	0.089	ug/ml	#	70
72) Diethyl phthalate	10.122	149	2922	0.112	ug/ml	#	87
73) Fluorene	10.186	166	3131	0.120	ug/ml	#	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	10.210	204	1574	0.115	ug/ml#	84
75)	4-Nitroaniline	10.210	138	516	0.091	ug/ml#	69
76)	4,6-Dinitro-o-cresol	10.251	198	308M2	0.068	ug/ml	
77)	NDPA/DPA	10.328	169	2316	0.107	ug/ml	95
78)	Azobenzene	10.357	77	2715	0.110	ug/ml	96
80)	4-Bromophenyl phenyl e...	10.680	248	976	0.114	ug/ml#	82
81)	Hexachlorobenzene	10.733	284	1047	0.108	ug/ml#	33
82)	Pentachlorophenol	10.928	266	592	0.096	ug/ml#	19
89)	Phenanthrene	11.116	178	5154	0.119	ug/ml	97
90)	Anthracene	11.163	178	5216M3	0.121	ug/ml	
91)	Carbazole	11.333	167	4735	0.120	ug/ml	95
92)	Di-n-butylphthalate	11.727	149	5025	0.109	ug/ml#	79
93)	Fluoranthene	12.274	202	6479	0.122	ug/ml#	88
94)	Benzidine	12.427	184	2415	0.084	ug/ml#	68
95)	Pyrene	12.492	202	6669	0.120	ug/ml	97
97)	Butyl benzyl phthalate	13.210	149	2481	0.116	ug/ml#	85
105)	Benzo(a)anthracene	13.733	228	7580	0.128	ug/ml	94
106)	3,3'-Dichlorobenzidine	13.733	252	1896	0.096	ug/ml#	89
107)	Chrysene	13.769	228	7446	0.130	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	13.851	149	3583	0.109	ug/ml#	94
109)	Di-n-octylphthalate	14.533	149	5836	0.107	ug/ml#	77
110)	Benzo(b)fluoranthene	14.845	252	6815	0.119	ug/ml#	92
111)	Benzo(k)fluoranthene	14.868	252	6756	0.124	ug/ml#	88
112)	Benzo(a)pyrene	15.163	252	5634	0.113	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.204	276	5854M6	0.121	ug/mL	
115)	Dibenzo(a,h)anthracene	16.227	278	5532	0.119	ug/ml#	89
116)	Benzo(ghi)perylene	16.457	276	5478M6	0.127	ug/ml	

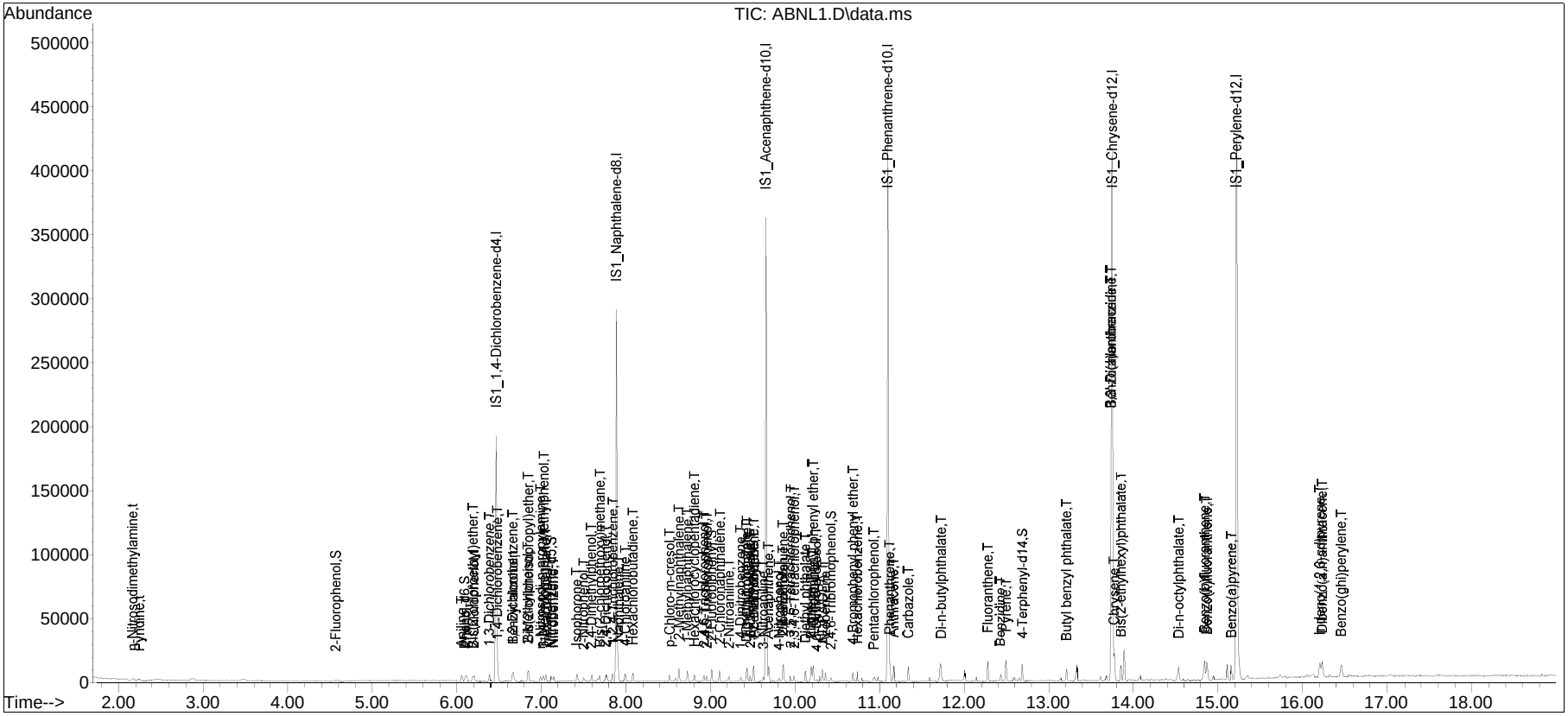
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNL1.D
Acq On : 24 Jun 2024 8:05 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939040
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 25 10:15:14 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

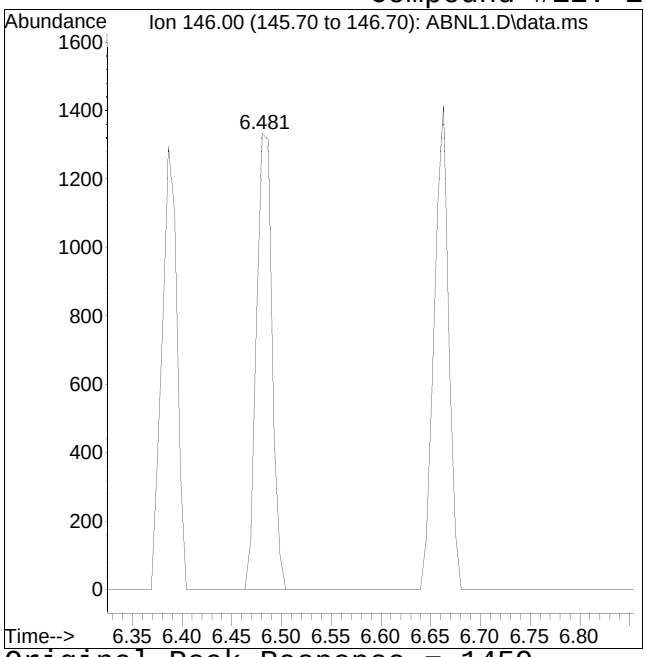
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

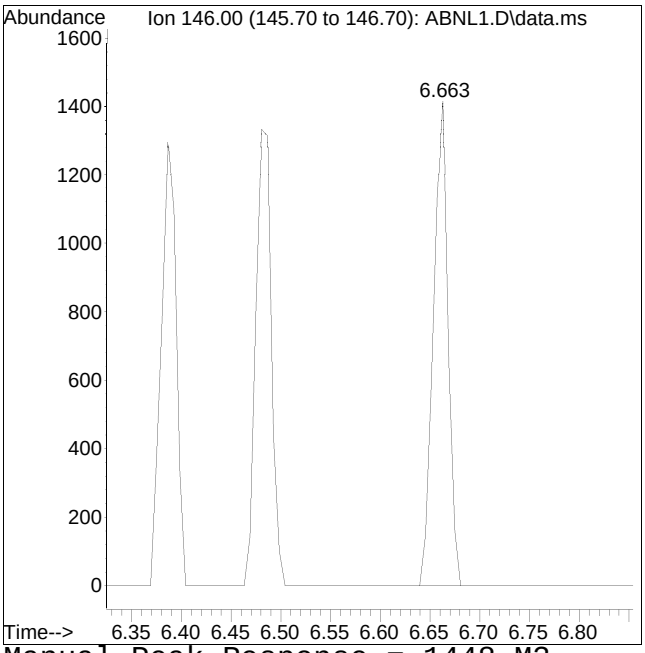


Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #12: 1,2-Dichlorobenzene





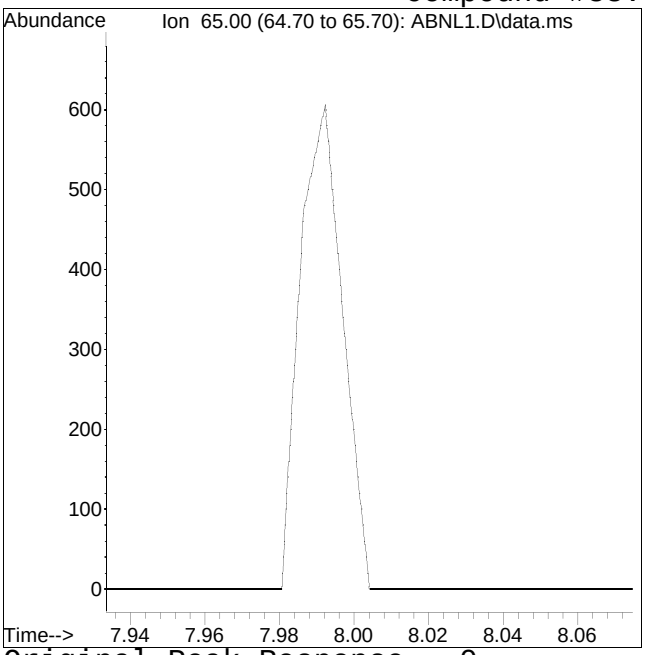
Original Peak Response = 1459 Manual Peak Response = 1448 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

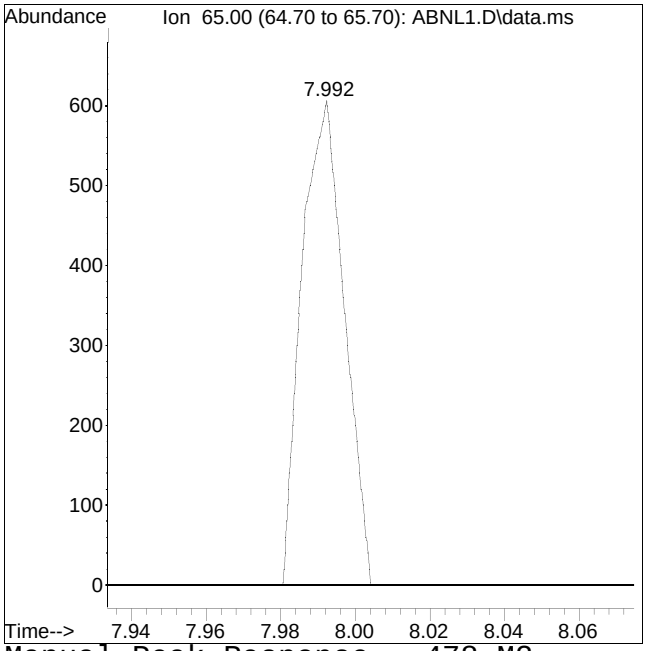
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #38: 4-Chloroaniline



Original Peak Response = 0



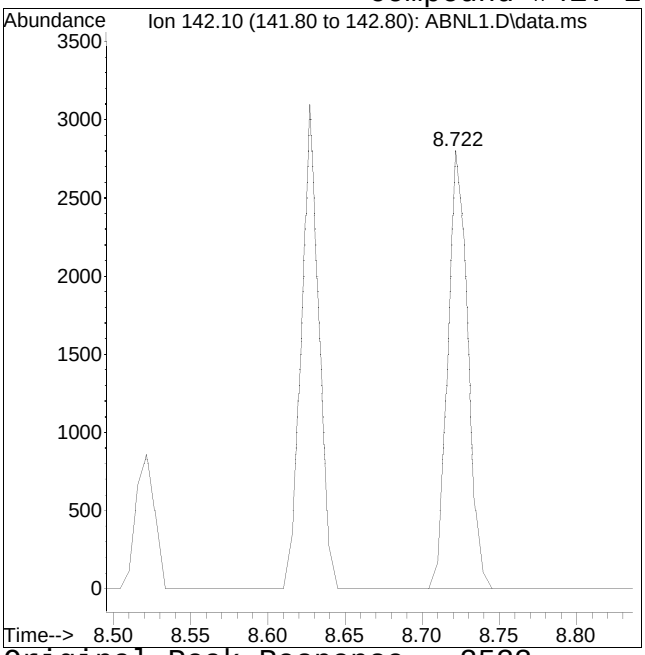
Manual Peak Response = 478 M2

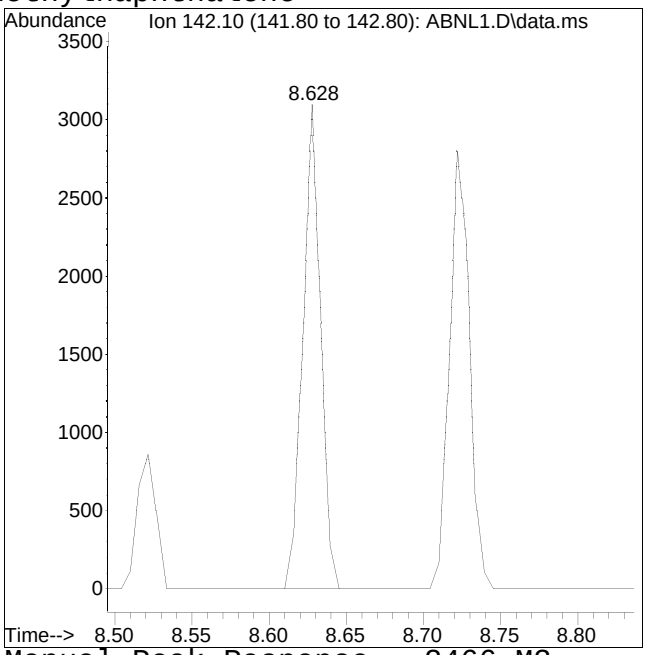
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #41: 2-Methylnaphthalene





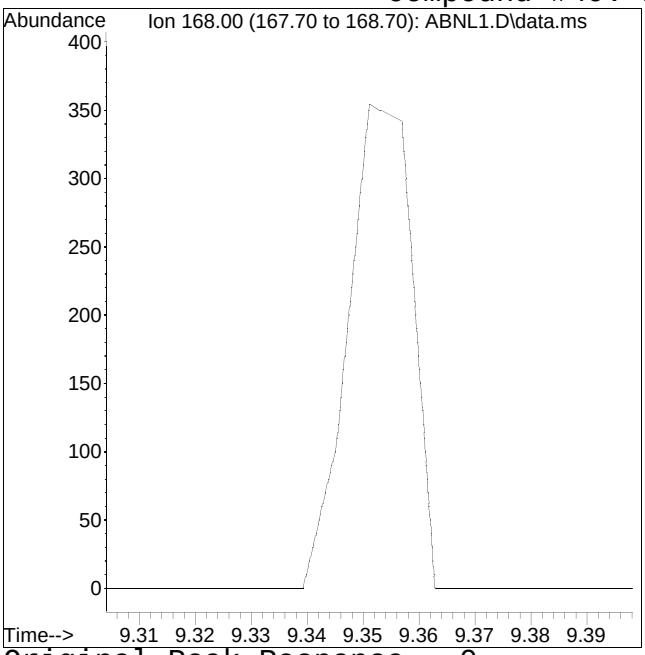
Original Peak Response = 2533 Manual Peak Response = 2466 M3

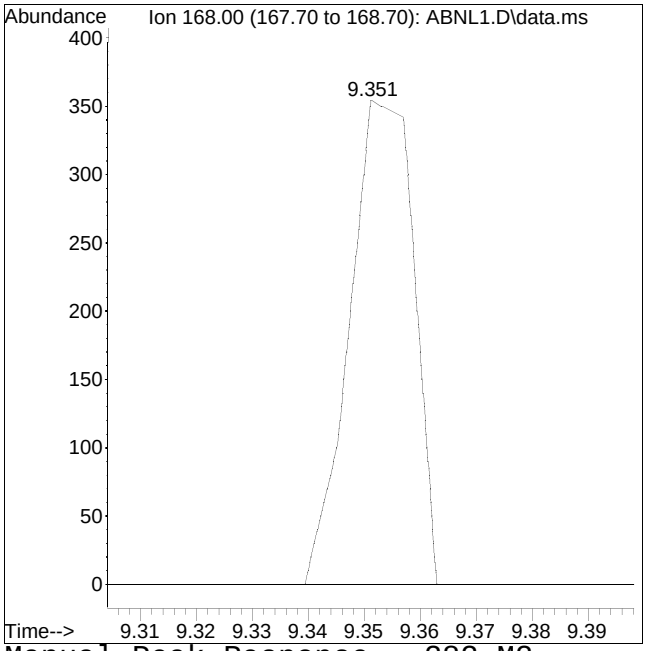
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #49: 1,4-Dinitrobenzene



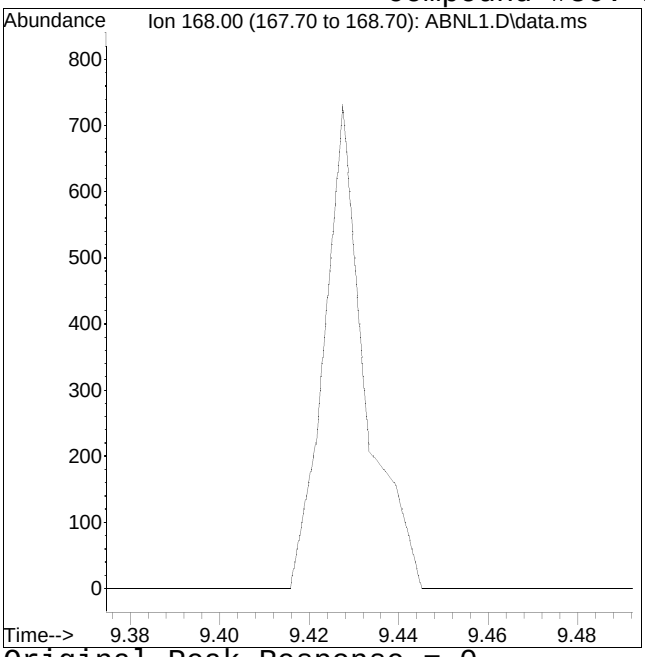


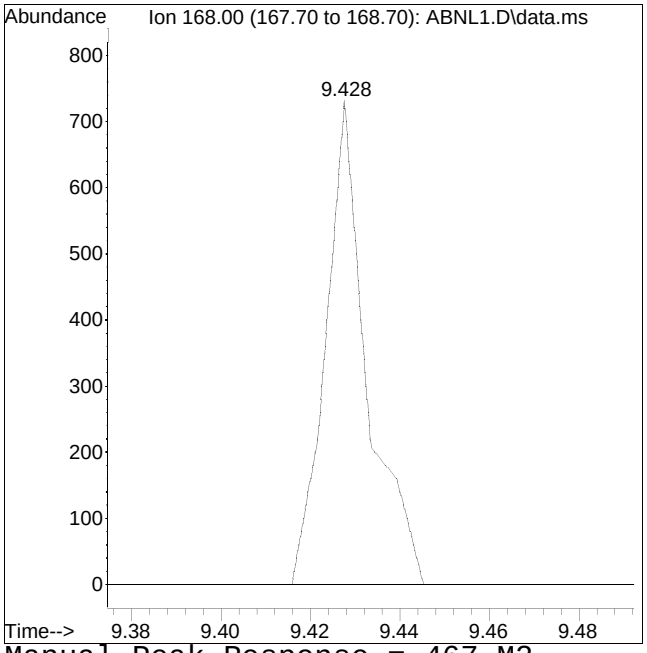
Original Peak Response = 0 Manual Peak Response = 282 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #50: 1,3-Dinitrobenzene



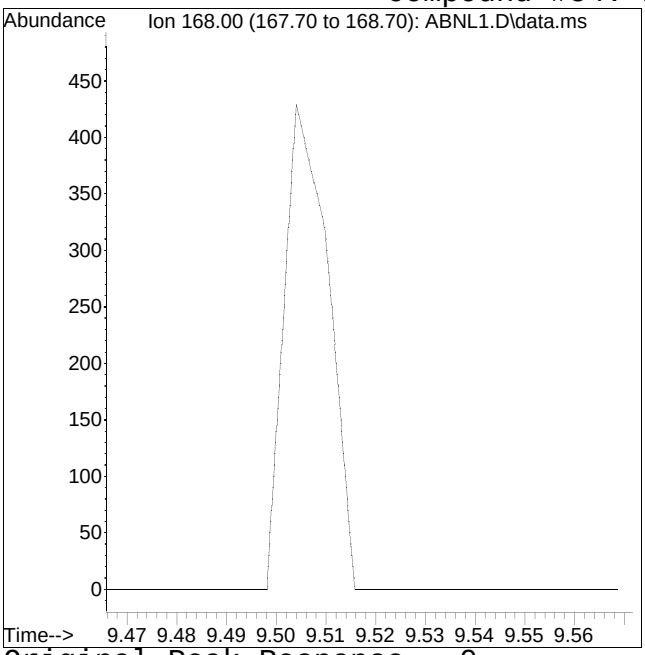


Original Peak Response = 0 Manual Peak Response = 467 M2
M2 = Peak not found by automatic integration algorithm.

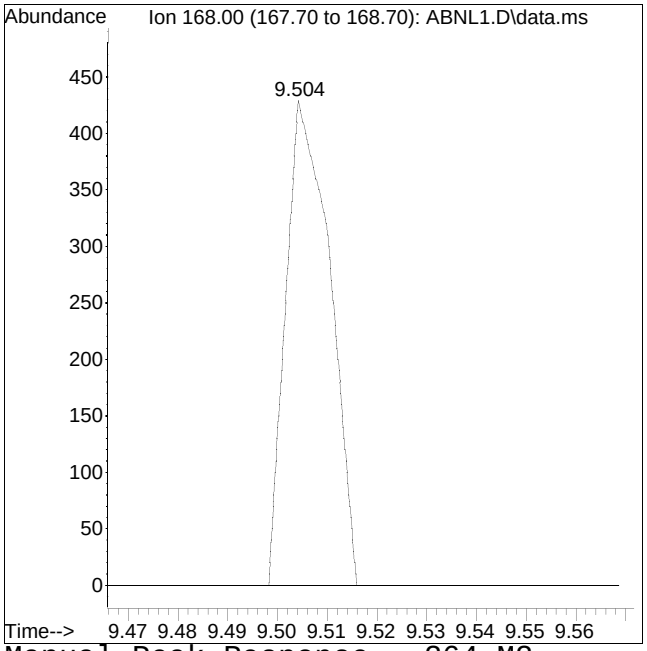
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



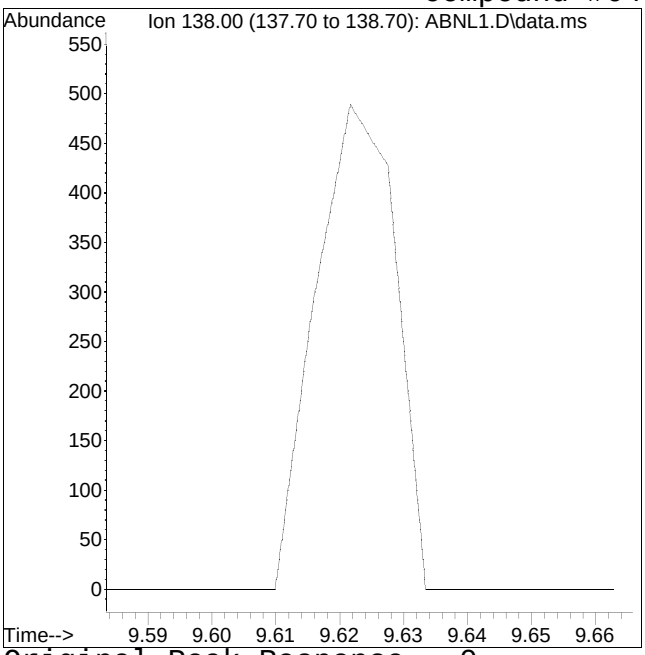
Manual Peak Response = 264 M2

M2 = Peak not found by automatic integration algorithm.

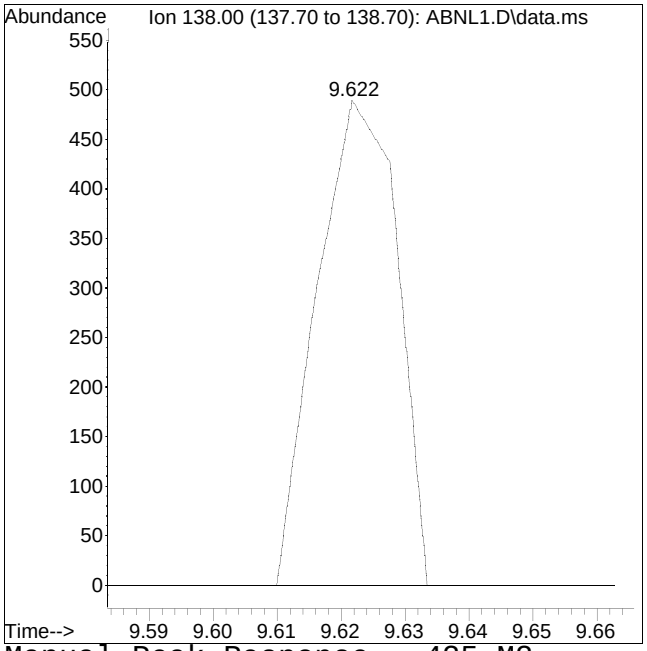
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #64: 3-Nitroaniline



Original Peak Response = 0



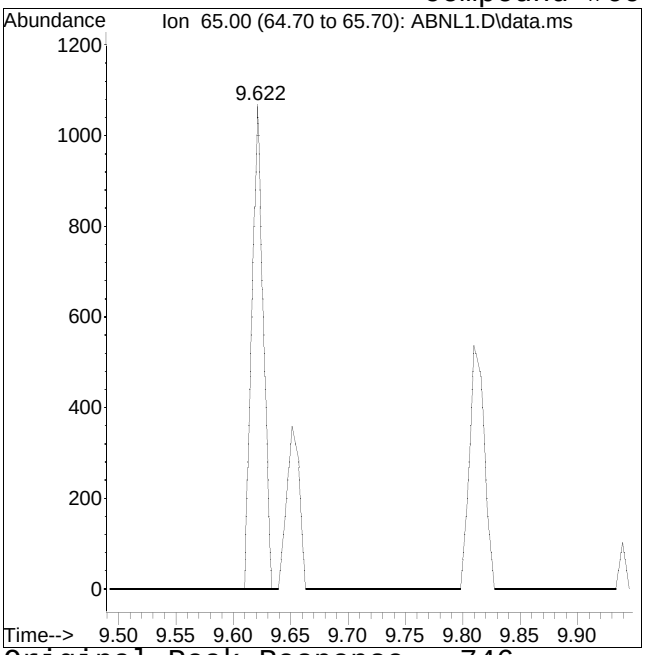
Manual Peak Response = 425 M2

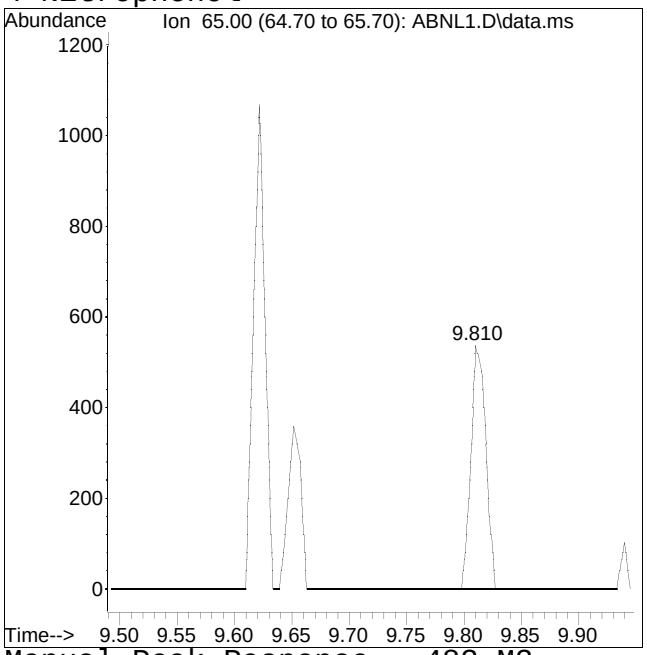
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #69: 4-Nitrophenol





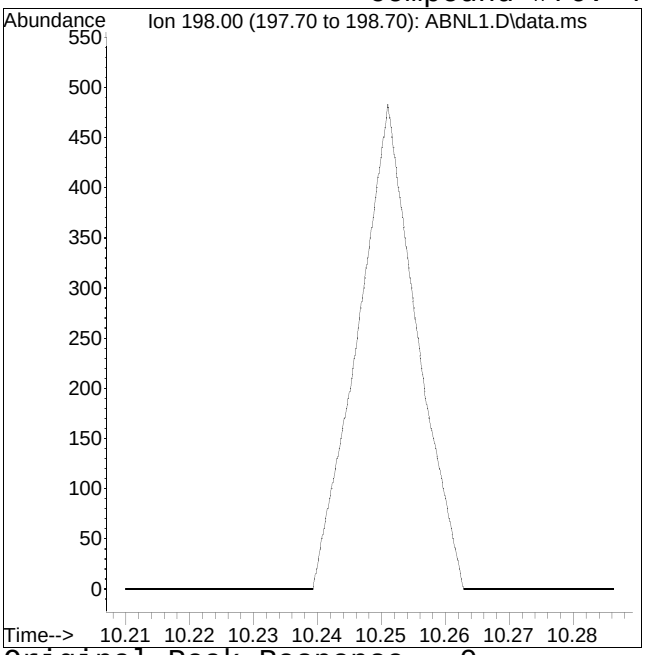
Original Peak Response = 746 Manual Peak Response = 483 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

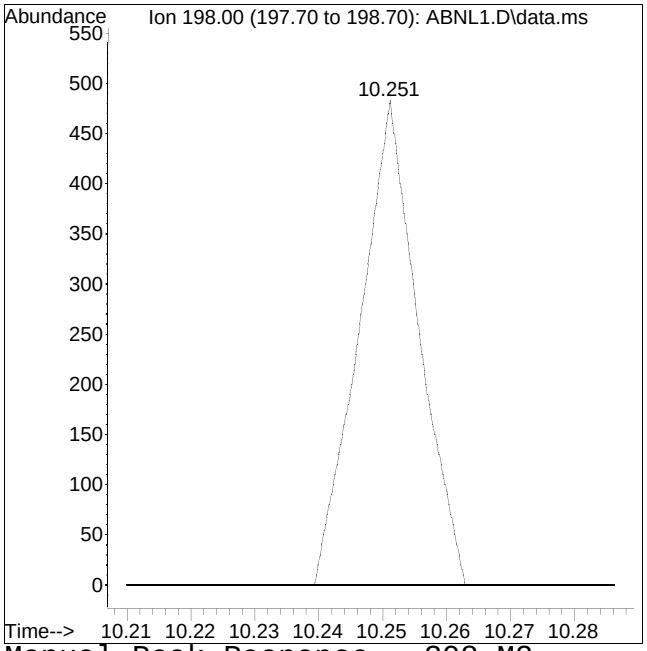
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



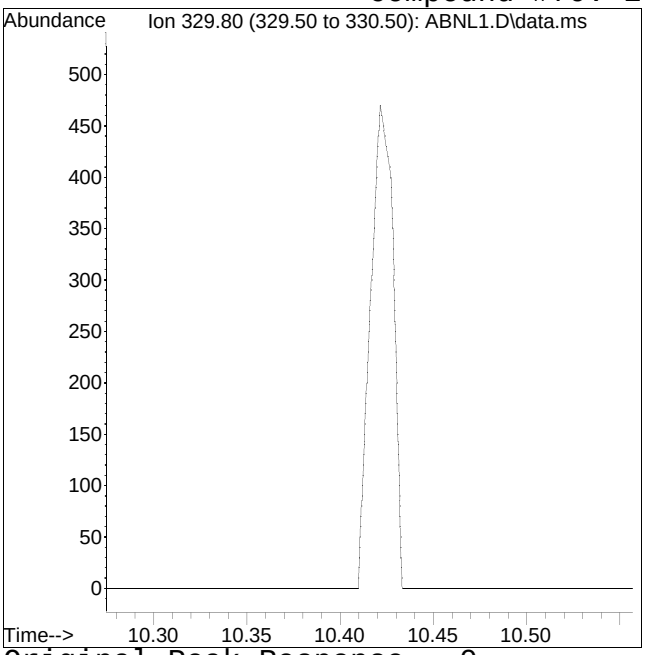
Manual Peak Response = 308 M2

M2 = Peak not found by automatic integration algorithm.

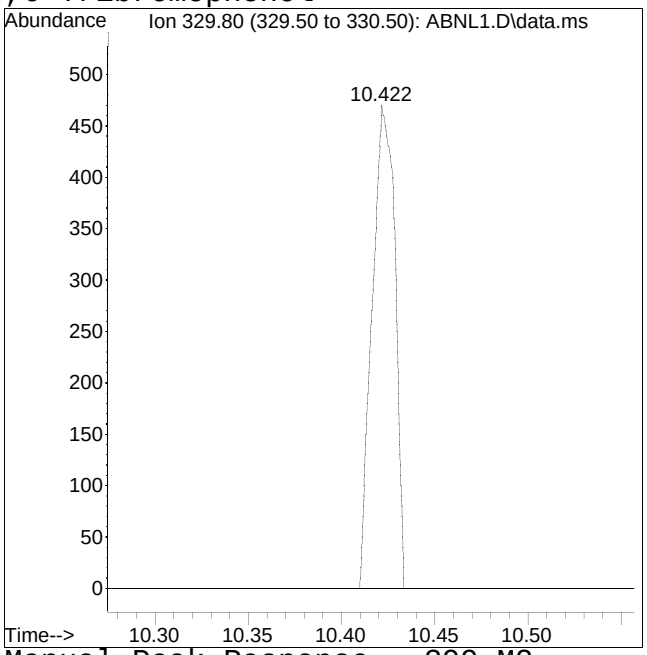
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



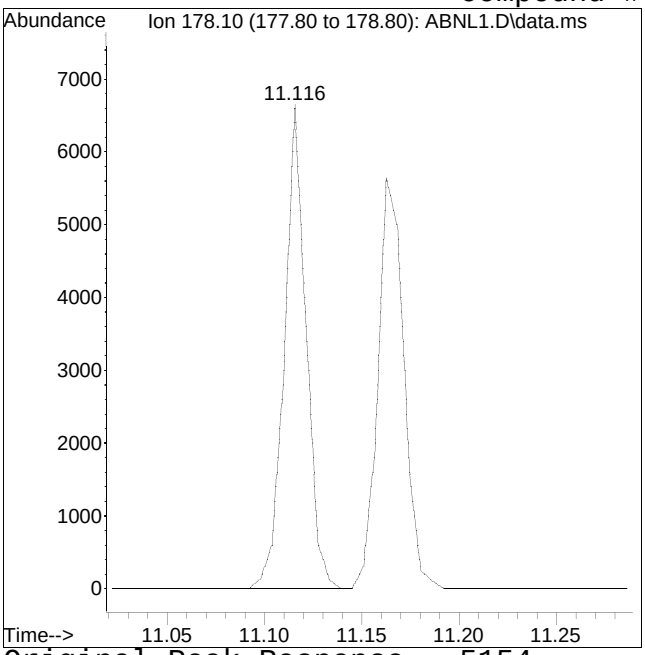
Manual Peak Response = 399 M2

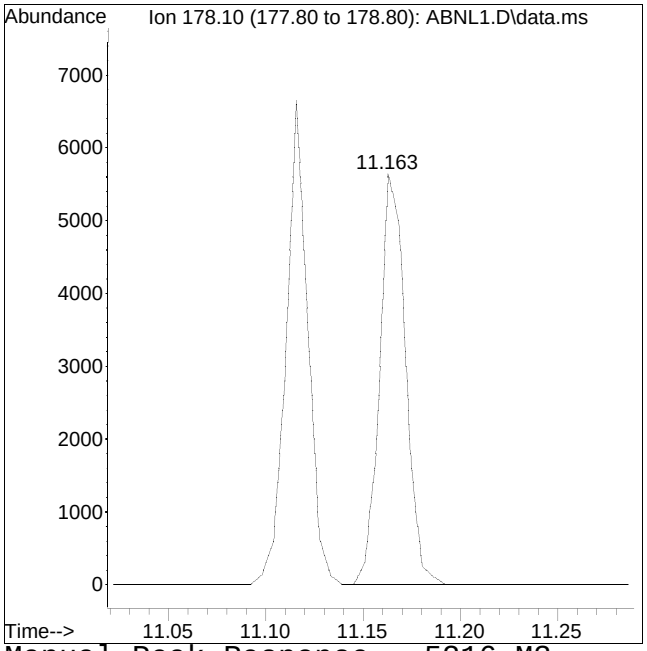
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #90: Anthracene





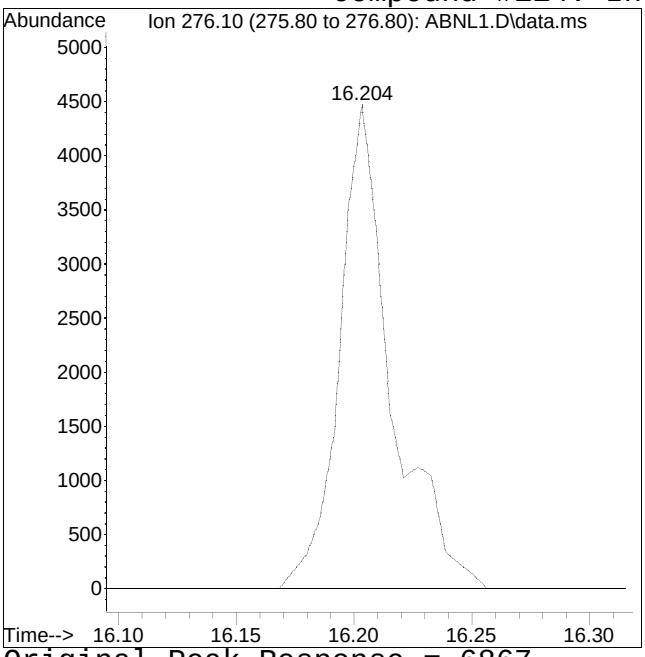
Original Peak Response = 5154 Manual Peak Response = 5216 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

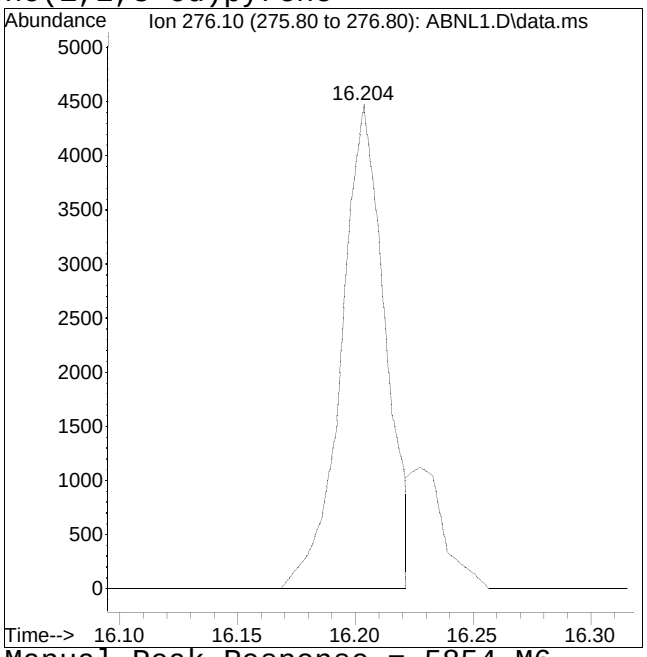
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 6867



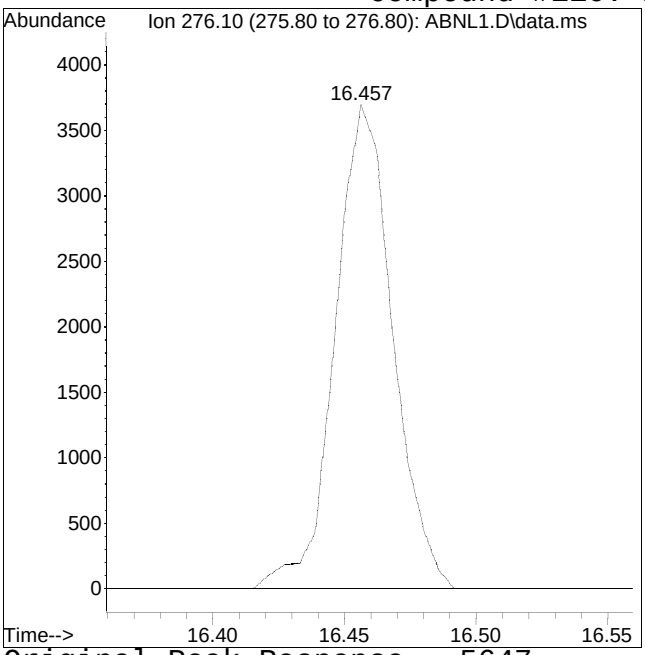
Manual Peak Response = 5854 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

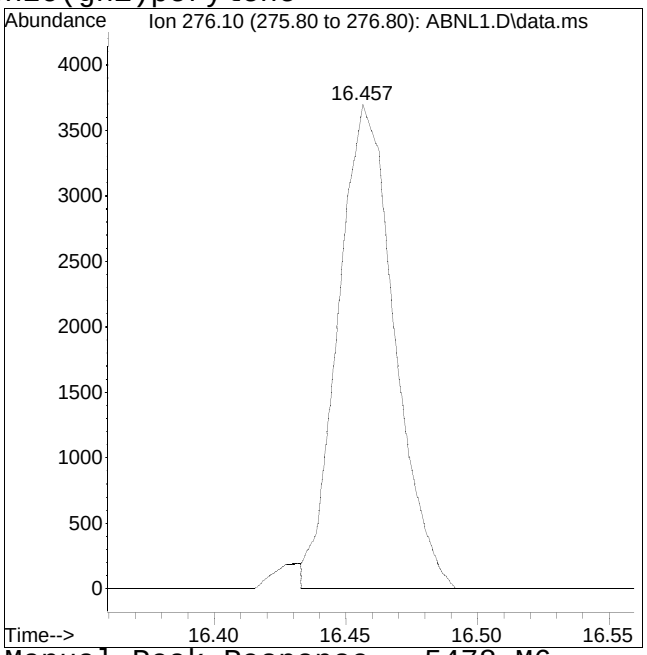
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 8:05 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/25/2024 10:16 am

Compound #116: Benzo(ghi)perylene



Original Peak Response = 5647



Manual Peak Response = 5478 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L9.D
Acq On : 24 Jun 2024 8:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939040
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 06:09:48 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	33960	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery =	105.99%		
55) IS2_Naphthalene-d8	7.886	136	119399	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	104.54%		
83) IS2_Acenaphthene-d10	9.651	164	75921	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery =	103.70%		
98) IS2_Phenanthrene-d10	11.098	188	171923	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery =	99.56%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	510854	54.930	ug/ml	97
29) Acetophenone	6.963	105	920034	54.699	ug/ml#	82
30) m-Toluidine	7.063	106	855291	59.791	ug/ml	94
31) 2-Chloroaniline	7.463	127	734153	53.409	ug/ml	98
56) a-Terpineol	7.969	59	606188	61.469	ug/ml#	86
57) 3-Chloroaniline	7.975	65	303336	56.096	ug/ml#	71
58) 2,6-Dichlorophenol	8.010	162	563445	62.979	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.269	111	274806	53.627	ug/ml#	1
60) Caprolactam	8.339	55	338633	64.464	ug/ml#	77
61) 1,2,4,5-Tetrachloroben...	8.804	216	774819	56.359	ug/ml	98
62) Biphenyl	9.110	154	1567351	58.268	ug/ml	99
84) Dichloran	10.798	206	272093	74.901	ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	278837	63.283	ug/ml#	76
99) Diphenamid	12.010	167	1257803	64.842	ug/ml	83

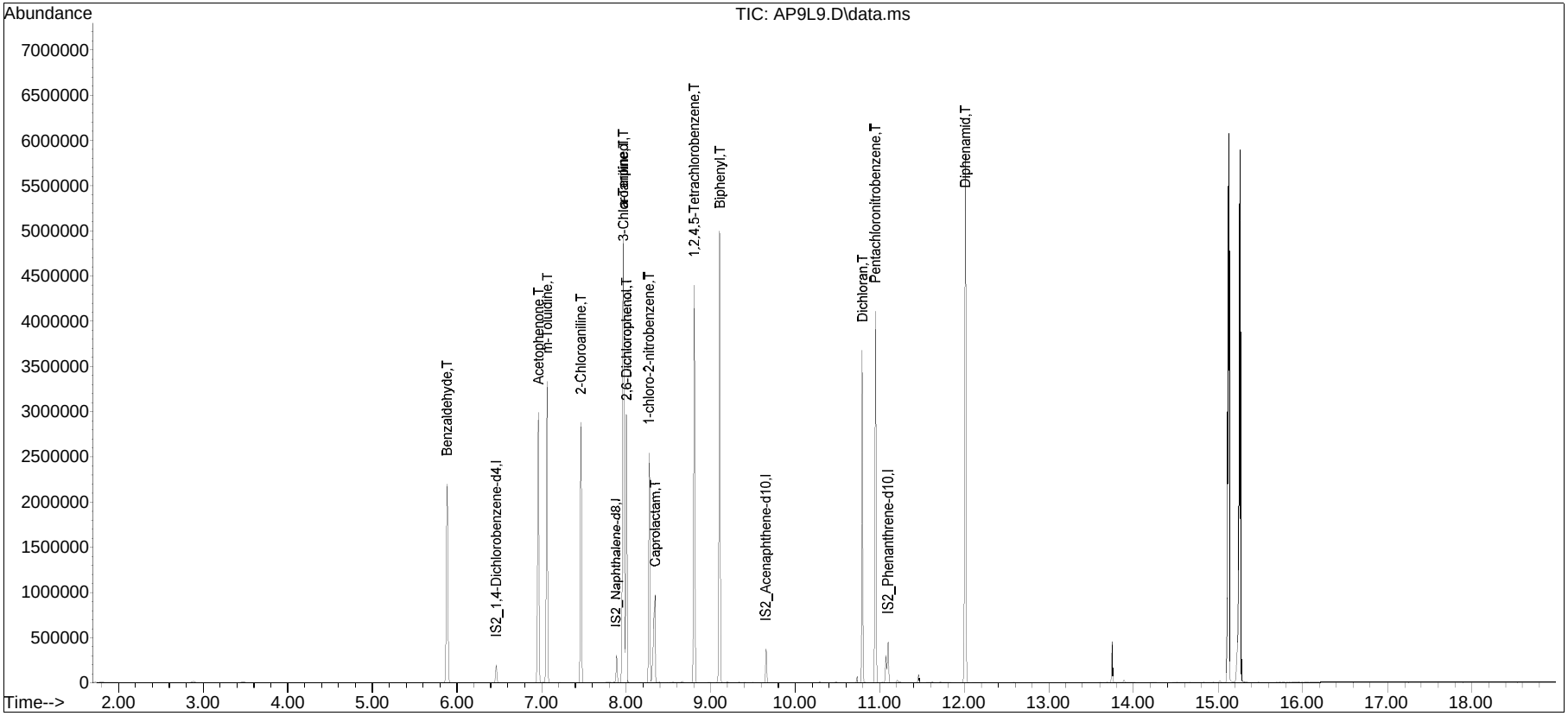
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L9.D
Acq On : 24 Jun 2024 8:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939040
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 25 06:09:48 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L9.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 8:29 pm	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L8.D
Acq On : 24 Jun 2024 8:53 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939040
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 06:09:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.457	152	28691	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 89.54%			
55) IS2_Naphthalene-d8	7.886	136	100289	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 87.81%			
83) IS2_Acenaphthene-d10	9.651	164	61635	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 84.18%			
98) IS2_Phenanthrene-d10	11.092	188	137090	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 79.39%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.881	105	217516	27.684	ug/ml	97
29) Acetophenone	6.957	105	388282	27.324	ug/ml#	83
30) m-Toluidine	7.057	106	367364	30.397	ug/ml	93
31) 2-Chloroaniline	7.463	127	309450	26.647	ug/ml	98
56) a-Terpineol	7.963	59	256052	30.912	ug/ml#	86
57) 3-Chloroaniline	7.975	65	127450	28.061	ug/ml#	71
58) 2,6-Dichlorophenol	8.004	162	236684	31.496	ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	114678	26.643	ug/ml#	1
60) Caprolactam	8.322	55	144383	32.723	ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	323702	28.032	ug/ml	97
62) Biphenyl	9.104	154	655521	29.014	ug/ml	99
84) Dichloran	10.792	206	109245	37.043	ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	111560	31.187	ug/ml#	75
99) Diphenamid	12.010	167	512204	33.114	ug/ml	84

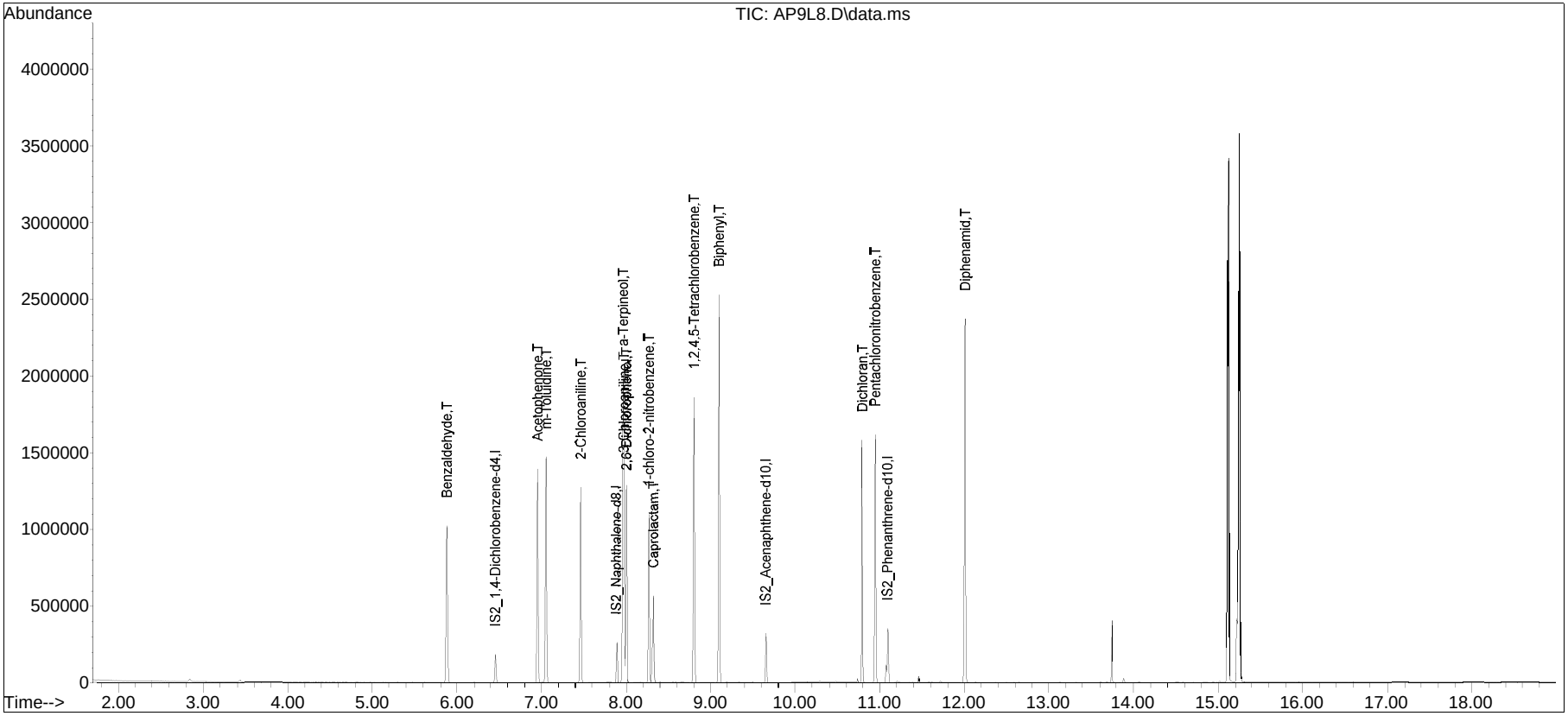
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L8.D
Acq On : 24 Jun 2024 8:53 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939040
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 25 06:09:20 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L8.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 8:53 pm	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L7.D
Acq On : 24 Jun 2024 9:16 pm
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939040
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 06:08:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.463	152	31002	4.000 ug/ml	0.00
Standard Area 1 = 32042			Recovery = 96.75%		
55) IS2_Naphthalene-d8	7.887	136	112283	4.000 ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 98.31%		
83) IS2_Acenaphthene-d10	9.651	164	72435	4.000 ug/ml	0.00
Standard Area 1 = 73214			Recovery = 98.94%		
98) IS2_Phenanthrene-d10	11.092	188	166745	4.000 ug/ml	0.00
Standard Area 1 = 172677			Recovery = 96.56%		
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	5.881	105	97066	11.433 ug/ml	96
29) Acetophenone	6.957	105	177152	11.537 ug/ml#	83
30) m-Toluidine	7.057	106	161767	12.388 ug/ml	95
31) 2-Chloroaniline	7.463	127	141228	11.255 ug/ml	98
56) a-Terpineol	7.957	59	117691	12.690 ug/ml#	86
57) 3-Chloroaniline	7.969	65	58293	11.463 ug/ml#	73
58) 2,6-Dichlorophenol	7.998	162	110126	13.089 ug/ml	93
59) 1-chloro-2-nitrobenzene	8.269	111	52979	10.994 ug/ml#	1
60) Caprolactam	8.310	55	68449	13.856 ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	150713	11.657 ug/ml	98
62) Biphenyl	9.104	154	306877	12.132 ug/ml	99
84) Dichloran	10.792	206	49912	14.401 ug/ml#	66
85) Pentachloronitrobenzene	10.945	237	54100	12.869 ug/ml#	76
99) Diphenamid	12.004	167	247915	13.177 ug/ml	83

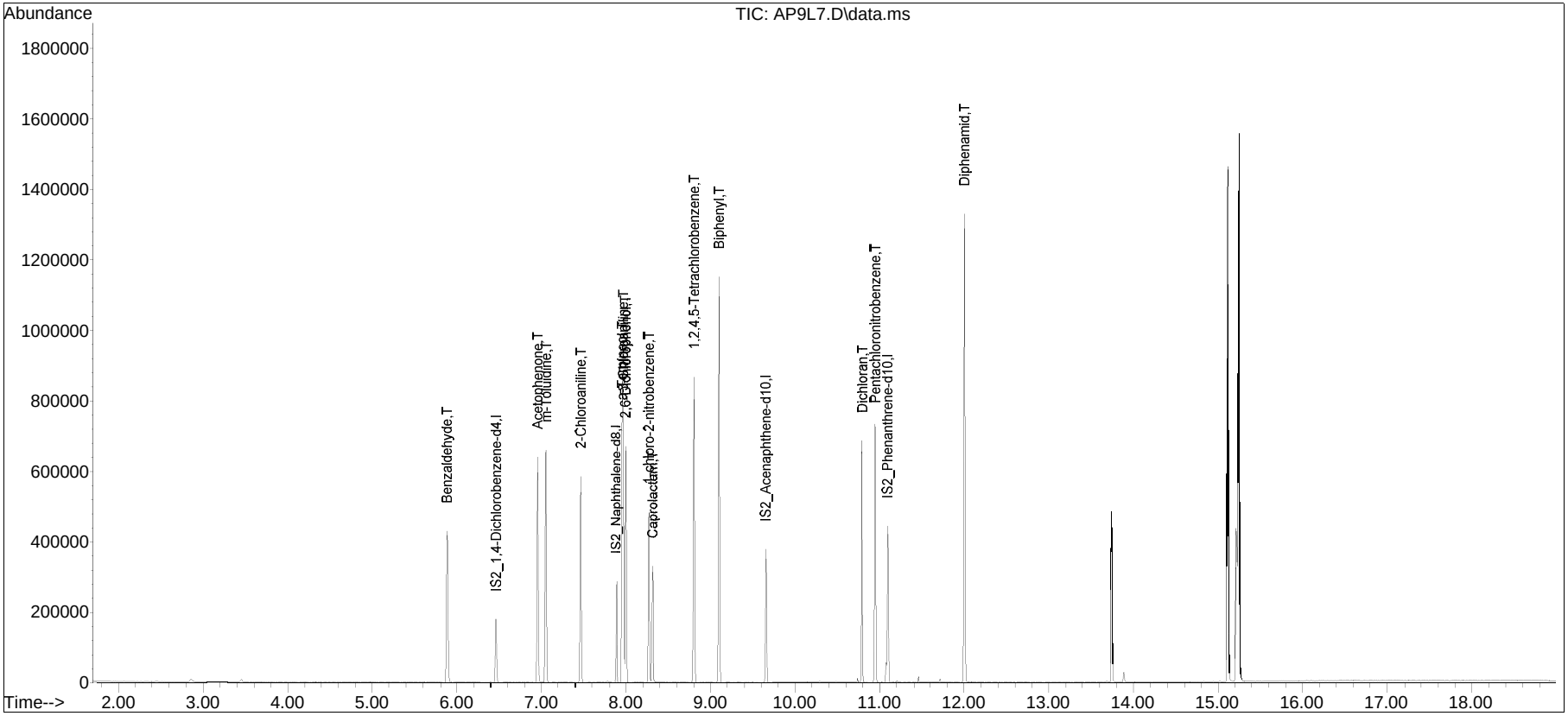
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L7.D
Acq On : 24 Jun 2024 9:16 pm
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939040
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 25 06:08:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L7.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 9:16 pm	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L6.D
Acq On : 24 Jun 2024 9:40 pm
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939040
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 06:08:29 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	32042	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery =	100.00%		
55) IS2_Naphthalene-d8	7.886	136	114213	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	9.651	164	73214	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	11.092	188	172677	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	46979	5.354	ug/ml	97
29) Acetophenone	6.957	105	85554	5.391	ug/ml#	84
30) m-Toluidine	7.057	106	77680	5.755	ug/ml	98
31) 2-Chloroaniline	7.463	127	67462	5.202	ug/ml	98
56) a-Terpineol	7.957	59	56477	5.987	ug/ml#	86
57) 3-Chloroaniline	7.969	65	28437	5.498	ug/ml#	72
58) 2,6-Dichlorophenol	7.998	162	53425	6.243	ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	26468	5.400	ug/ml#	1
60) Caprolactam	8.304	55	32080	6.384	ug/ml#	79
61) 1,2,4,5-Tetrachloroben...	8.804	216	75712	5.757	ug/ml#	96
62) Biphenyl	9.104	154	151430	5.885	ug/ml	99
84) Dichloran	10.792	206	24006	6.853	ug/ml#	65
85) Pentachloronitrobenzene	10.939	237	26571	6.253	ug/ml#	76
99) Diphenamid	12.004	167	122990	6.313	ug/ml	82

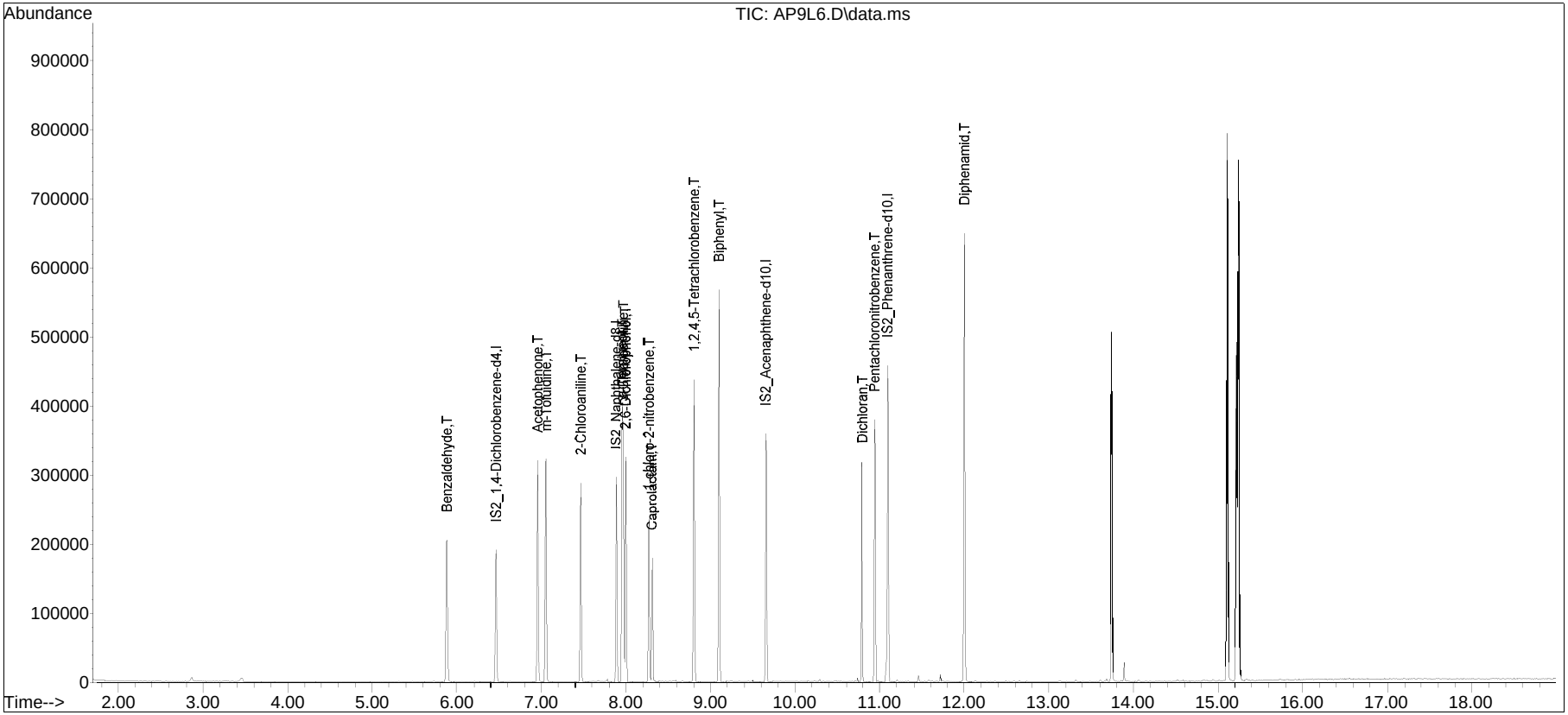
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L6.D
Acq On : 24 Jun 2024 9:40 pm
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939040
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 25 06:08:29 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L6.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 9:40 pm	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L5.D
Acq On : 24 Jun 2024 10:04 pm
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939040
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 06:08:02 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	31187	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 97.33%			
55) IS2_Naphthalene-d8	7.887	136	111550	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 97.67%			
83) IS2_Acenaphthene-d10	9.651	164	71188	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 97.23%			
98) IS2_Phenanthrene-d10	11.092	188	161108	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 93.30%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	23076	2.702	ug/ml	99
29) Acetophenone	6.957	105	41556	2.690	ug/ml#	84
30) m-Toluidine	7.057	106	37833	2.880	ug/ml	95
31) 2-Chloroaniline	7.463	127	33265	2.635	ug/ml	96
56) a-Terpineol	7.957	59	27669	3.003	ug/ml#	86
57) 3-Chloroaniline	7.969	65	13967	2.765	ug/ml#	71
58) 2,6-Dichlorophenol	7.998	162	25265	3.023	ug/ml	91
59) 1-chloro-2-nitrobenzene	8.269	111	12518	2.615	ug/ml#	1
60) Caprolactam	8.298	55	14825	3.021	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	37037	2.884	ug/ml#	94
62) Biphenyl	9.104	154	73701	2.933	ug/ml	99
84) Dichloran	10.792	206	10305	3.025	ug/ml#	67
85) Pentachloronitrobenzene	10.939	237	11593	2.806	ug/ml#	77
99) Diphenamid	12.004	167	54877	3.019	ug/ml	83

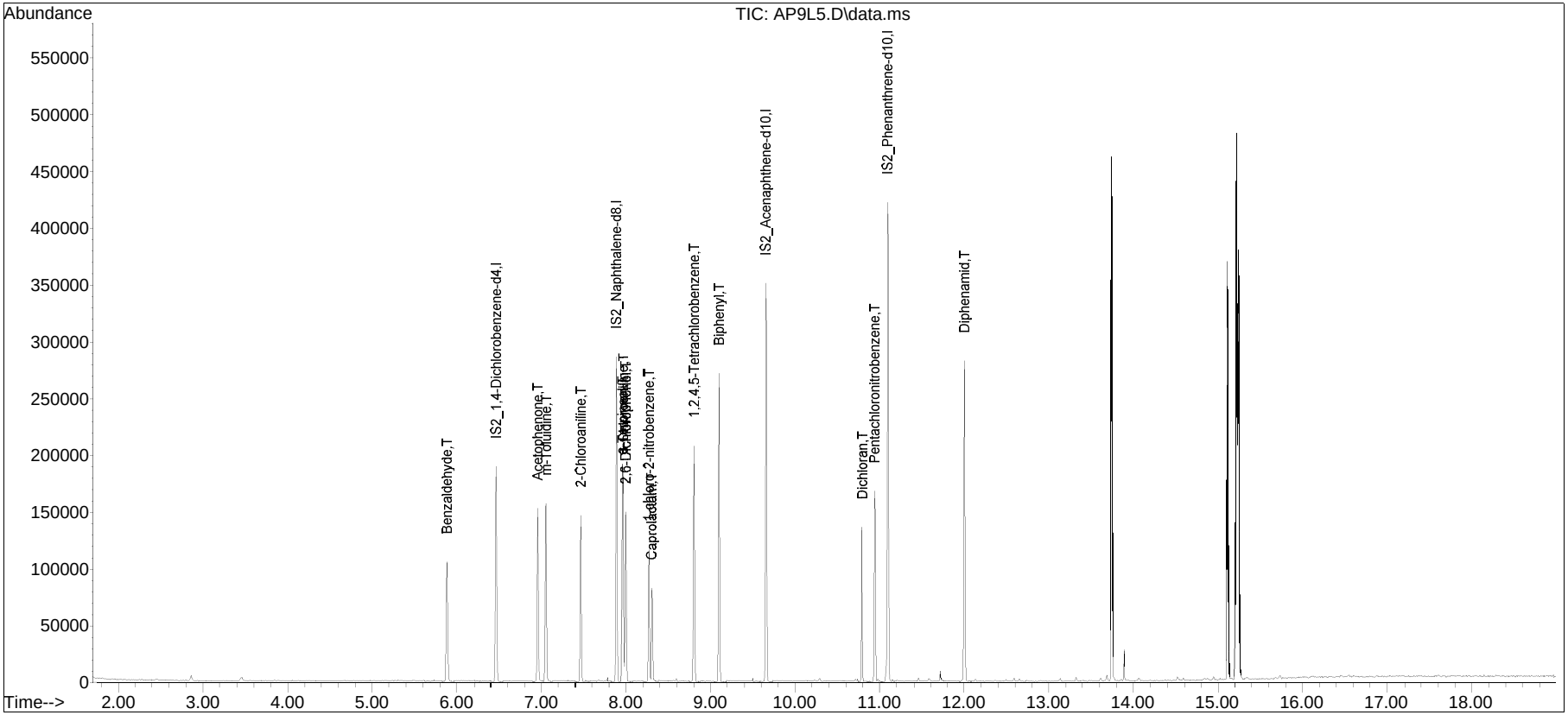
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L5.D
Acq On : 24 Jun 2024 10:04 pm
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939040
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 25 06:08:02 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L5.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:04 pm	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L4.D
Acq On : 24 Jun 2024 10:28 pm
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939040
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 06:07:37 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
27) IS2_1,4-Dichlorobenzen...	6.463	152	31295	4.000 ug/ml	0.00
Standard Area 1 = 32042			Recovery = 97.67%		
55) IS2_Naphthalene-d8	7.887	136	111566	4.000 ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 97.68%		
83) IS2_Acenaphthene-d10	9.651	164	68179	4.000 ug/ml	0.00
Standard Area 1 = 73214			Recovery = 93.12%		
98) IS2_Phenanthrene-d10	11.092	188	160802	4.000 ug/ml	0.00
Standard Area 1 = 172677			Recovery = 93.12%		
System Monitoring Compounds					
Target Compounds					Qvalue
28) Benzaldehyde	5.887	105	9257	1.080 ug/ml	97
29) Acetophenone	6.957	105	17120	1.105 ug/ml#	86
30) m-Toluidine	7.057	106	15619	1.185 ug/ml	91
31) 2-Chloroaniline	7.463	127	12926	1.020 ug/ml	96
56) a-Terpineol	7.957	59	10854	1.178 ug/ml#	84
57) 3-Chloroaniline	7.969	65	5581	1.105 ug/ml#	70
58) 2,6-Dichlorophenol	7.998	162	9965	1.192 ug/ml	93
59) 1-chloro-2-nitrobenzene	8.269	111	5017	1.048 ug/ml#	1
60) Caprolactam	8.298	55	5985	1.219 ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	15172	1.181 ug/ml	94
62) Biphenyl	9.104	154	30504	1.214 ug/ml	97
84) Dichloran	10.792	206	3743	1.147 ug/ml#	70
85) Pentachloronitrobenzene	10.939	237	4753	1.201 ug/ml#	74
99) Diphenamid	12.004	167	22624	1.247 ug/ml#	82

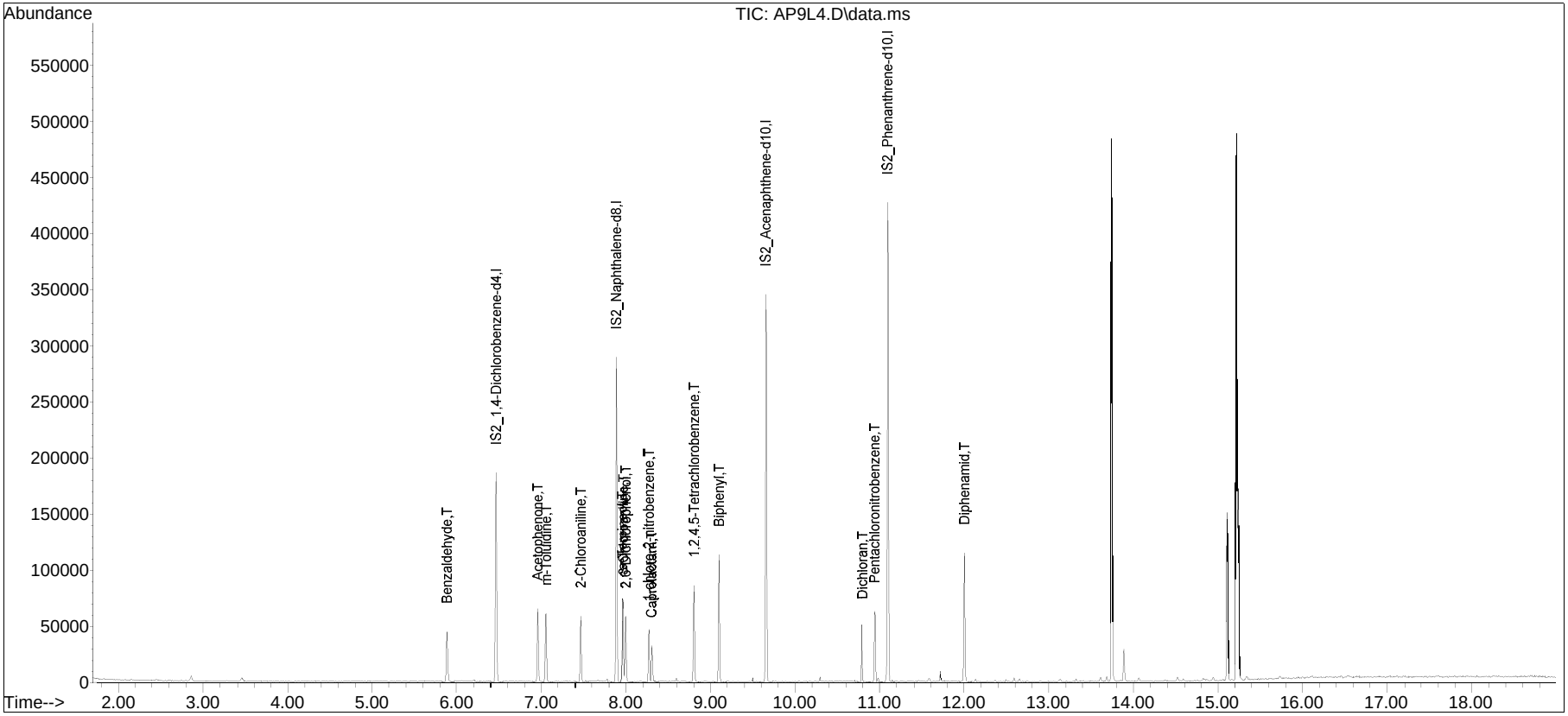
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L4.D
Acq On : 24 Jun 2024 10:28 pm
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939040
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 25 06:07:37 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L4.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:28 pm	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L3.D
Acq On : 24 Jun 2024 10:52 pm
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939040
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 06:07:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	32258	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery =	100.67%		
55) IS2_Naphthalene-d8	7.886	136	113710	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery =	99.56%		
83) IS2_Acenaphthene-d10	9.651	164	71361	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery =	97.47%		
98) IS2_Phenanthrene-d10	11.092	188	160057	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery =	92.69%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	4894	0.554	ug/ml	95
29) Acetophenone	6.957	105	8612	0.539	ug/ml#	86
30) m-Toluidine	7.057	106	7488	0.551	ug/ml	95
31) 2-Chloroaniline	7.463	127	7306	0.560	ug/ml	98
56) a-Terpineol	7.957	59	5447	0.580	ug/ml#	80
57) 3-Chloroaniline	7.969	65	2881	0.559	ug/ml	78
58) 2,6-Dichlorophenol	7.998	162	4821	0.566	ug/ml	95
59) 1-chloro-2-nitrobenzene	8.269	111	2709	0.555	ug/ml#	1
60) Caprolactam	8.298	55	3021	0.604	ug/ml#	75
61) 1,2,4,5-Tetrachloroben...	8.804	216	8224	0.628	ug/ml	91
62) Biphenyl	9.104	154	15925	0.622	ug/ml	98
84) Dichloran	10.792	206	1945	0.570	ug/ml#	57
85) Pentachloronitrobenzene	10.939	237	2070	0.500	ug/ml#	77
99) Diphenamid	12.004	167	11803	0.654	ug/ml#	81

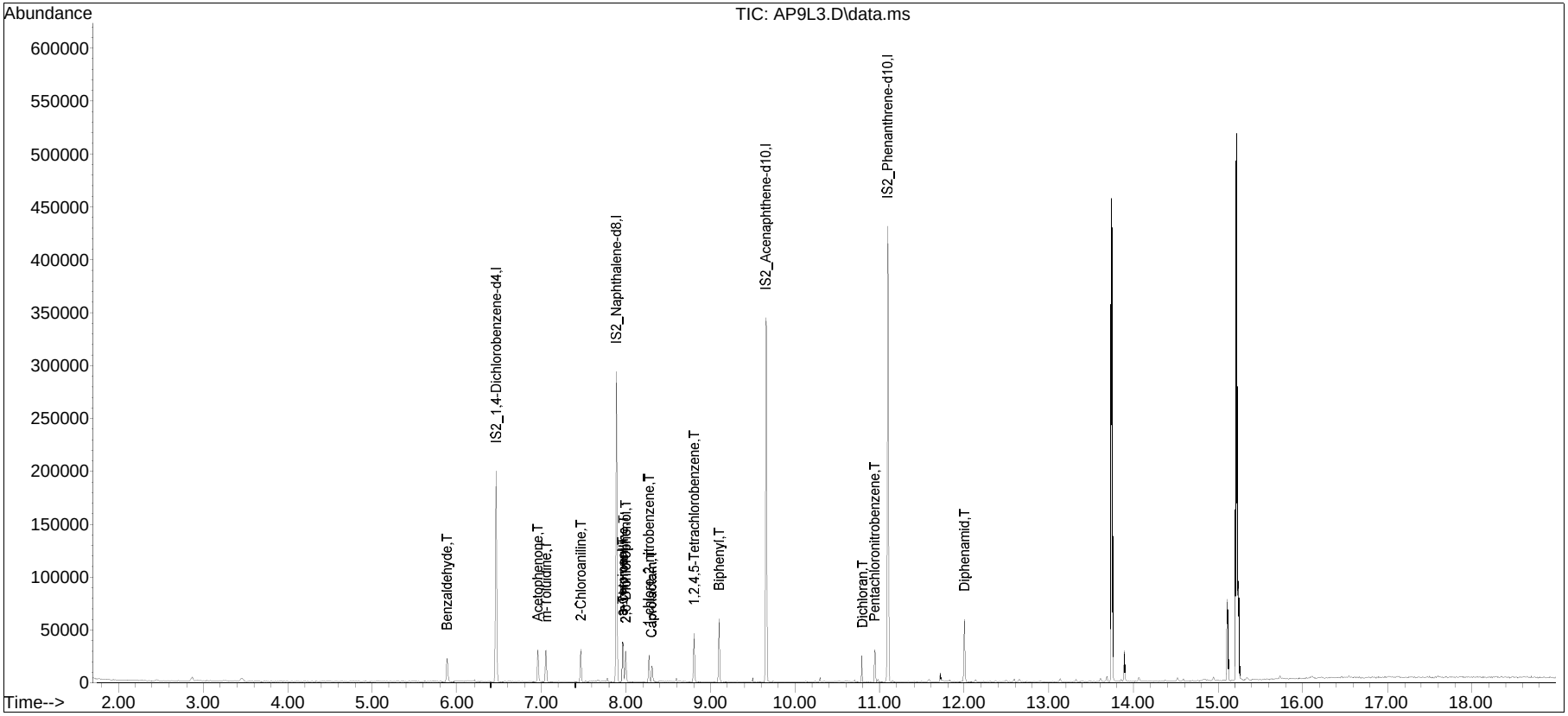
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L3.D
Acq On : 24 Jun 2024 10:52 pm
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939040
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 25 06:07:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9L3.D	Operator	: SV106:ljg
Date Inj'd	: 6/24/2024 10:52 pm	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 6/25/2024 5:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L2.D
Acq On : 24 Jun 2024 11:15 pm
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939040
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 25 06:06:41 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	34135	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 106.53%			
55) IS2_Naphthalene-d8	7.886	136	116946	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 102.39%			
83) IS2_Acenaphthene-d10	9.651	164	72779	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 99.41%			
98) IS2_Phenanthrene-d10	11.092	188	167902	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 97.23%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.893	105	1968	0.211	ug/ml	86
29) Acetophenone	6.963	105	3770	0.223	ug/ml#	94
30) m-Toluidine	7.057	106	3427	0.238	ug/ml	92
31) 2-Chloroaniline	7.463	127	3086	0.223	ug/ml#	90
56) a-Terpineol	7.957	59	2380	0.246	ug/ml#	80
57) 3-Chloroaniline	7.975	65	1094	0.207	ug/ml	80
58) 2,6-Dichlorophenol	7.998	162	2192	0.250	ug/ml	88
59) 1-chloro-2-nitrobenzene	8.269	111	1047	0.209	ug/ml#	1
60) Caprolactam	8.304	55	1022M6	0.199	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.804	216	3410	0.253	ug/ml#	95
62) Biphenyl	9.104	154	6457	0.245	ug/ml	96
84) Dichloran	10.786	206	853	0.245	ug/ml#	57
85) Pentachloronitrobenzene	10.939	237	922	0.218	ug/ml#	72
99) Diphenamid	12.004	167	4675	0.247	ug/ml#	80

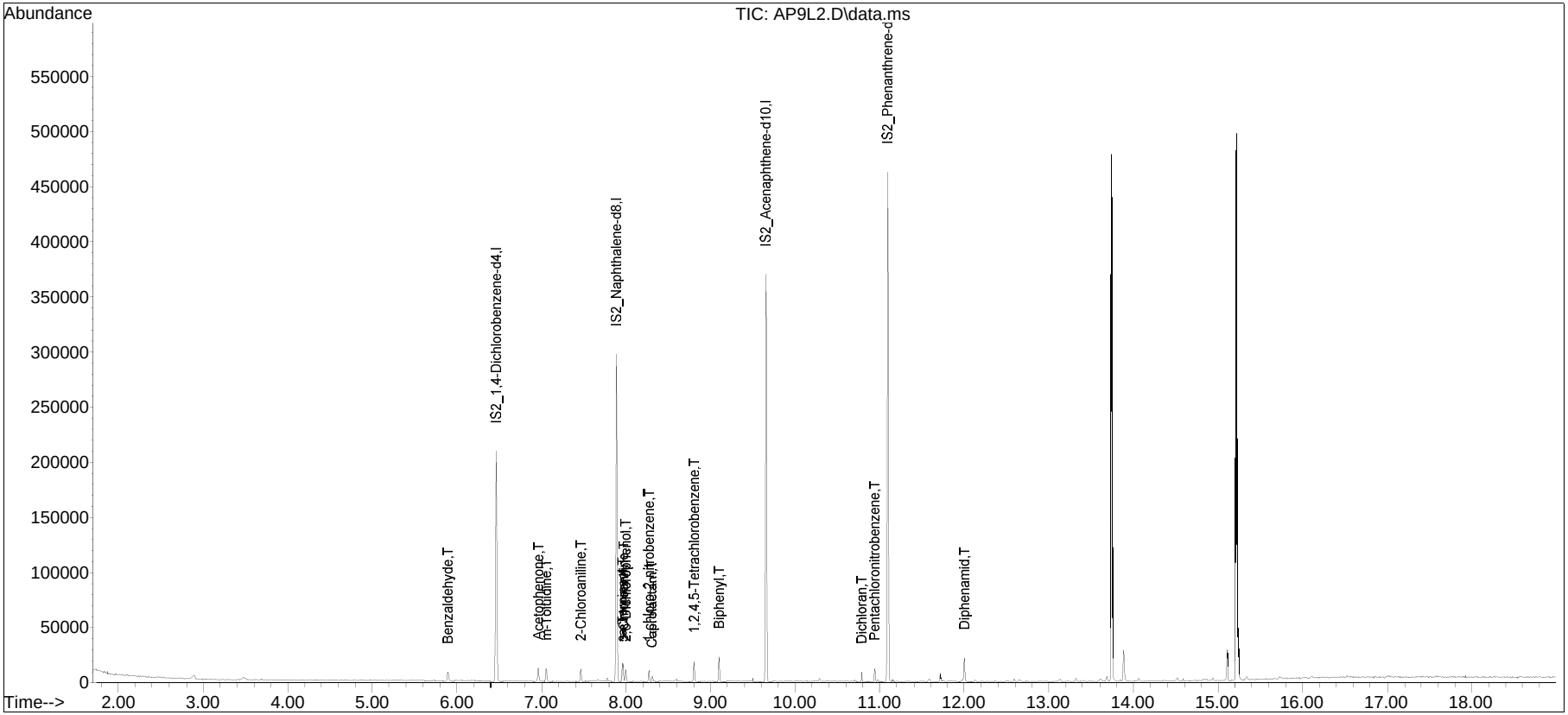
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L2.D
Acq On : 24 Jun 2024 11:15 pm
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939040
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 25 06:06:41 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

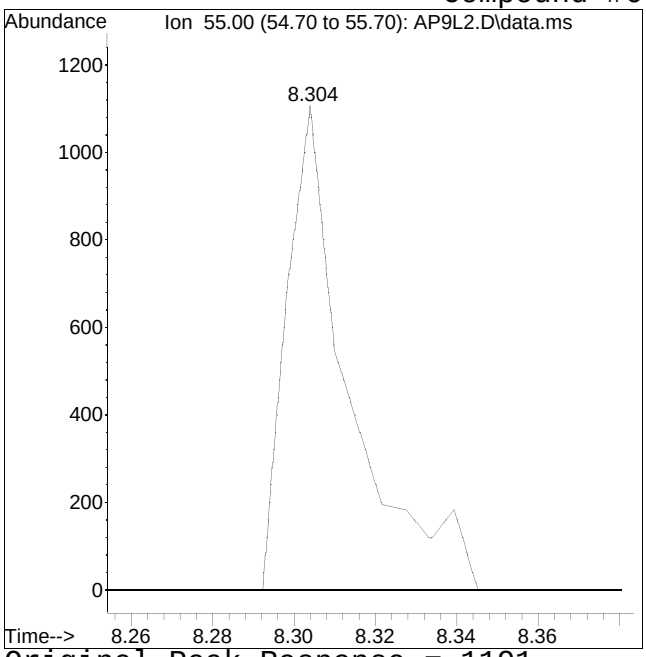
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



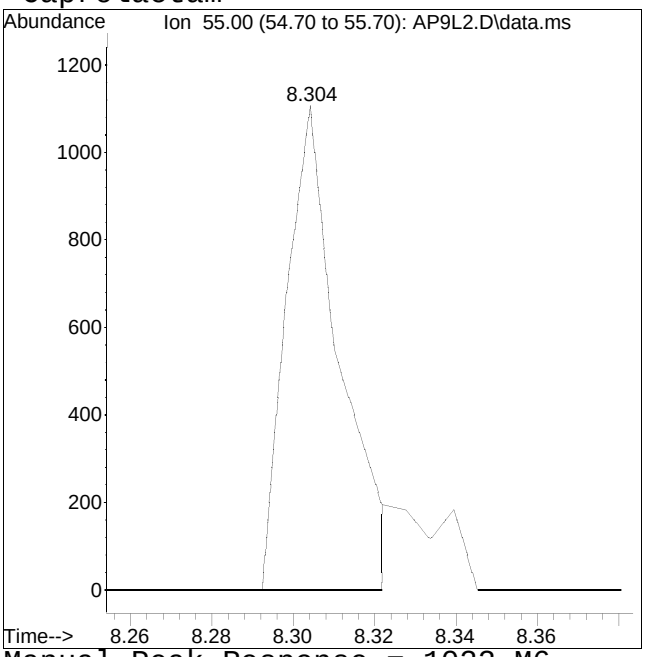
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L2.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:15 pm Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 6/25/2024 5:35 am

Compound #60: Caprolactam



Original Peak Response = 1191



Manual Peak Response = 1022 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L1.D
Acq On : 24 Jun 2024 11:39 pm
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939040
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 06:05:40 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	31818	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 99.30%			
55) IS2_Naphthalene-d8	7.886	136	109777	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 96.12%			
83) IS2_Acenaphthene-d10	9.657	164	67656	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 92.41%			
98) IS2_Phenanthrene-d10	11.092	188	150420	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 87.11%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.892	105	884	0.101	ug/ml	84
29) Acetophenone	6.963	105	1595	0.101	ug/ml#	69
30) m-Toluidine	7.057	106	1368	0.102	ug/ml#	89
31) 2-Chloroaniline	7.463	127	1148	0.089	ug/ml#	42
56) a-Terpineol	7.957	59	1085	0.120	ug/ml	93
57) 3-Chloroaniline	7.969	65	555	0.112	ug/ml#	35
58) 2,6-Dichlorophenol	7.998	162	822	0.100	ug/ml#	88
59) 1-chloro-2-nitrobenzene	8.269	111	416M2	0.088	ug/ml	
60) Caprolactam	8.310	55	411M2	0.085	ug/ml	
61) 1,2,4,5-Tetrachloroben...	8.804	216	1637	0.130	ug/ml#	87
62) Biphenyl	9.104	154	3108	0.126	ug/ml	94
84) Dichloran	10.786	206	359M2	0.111	ug/ml	
85) Pentachloronitrobenzene	10.939	237	395M2	0.101	ug/ml	
99) Diphenamid	12.004	167	1690	0.100	ug/ml#	81

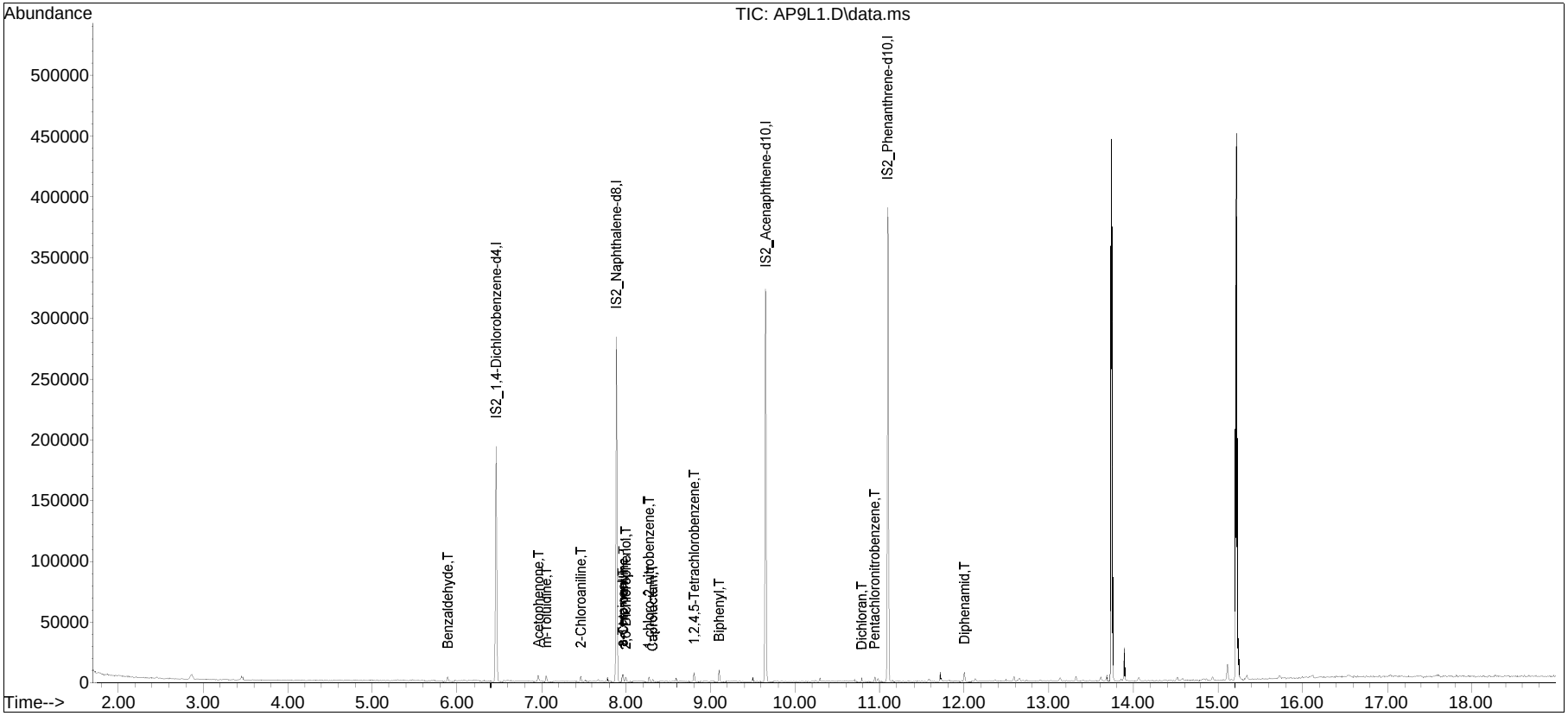
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9L1.D
Acq On : 24 Jun 2024 11:39 pm
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939040
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 25 06:05:40 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 05:32:01 2024
Response via : Initial Calibration

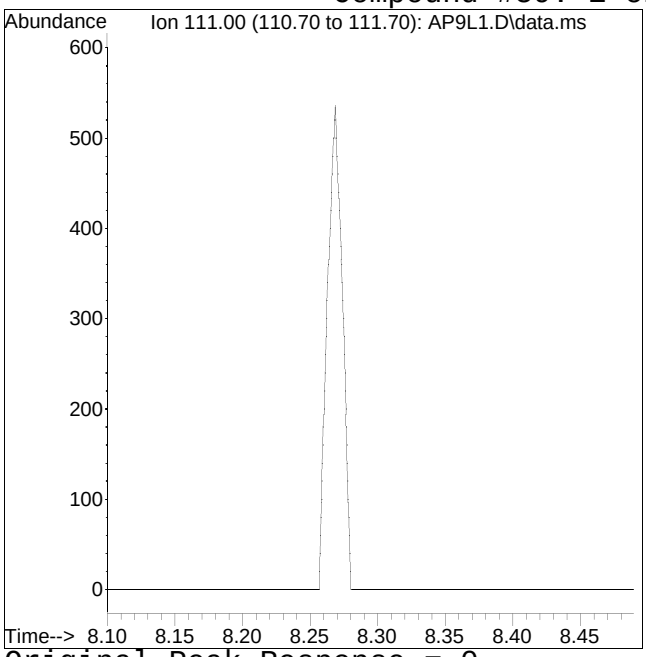
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



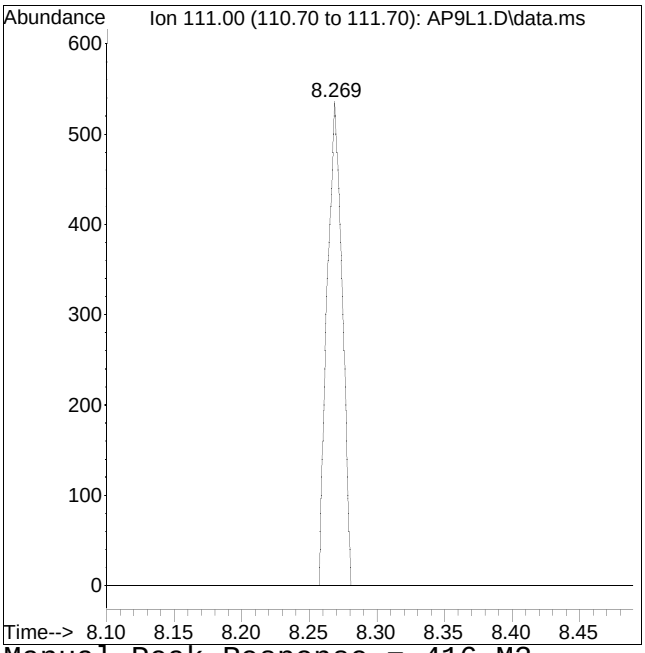
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



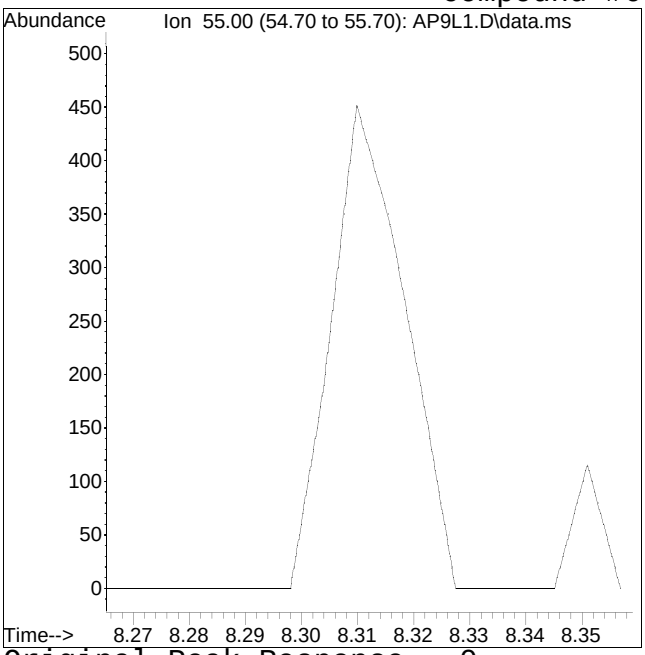
Manual Peak Response = 416 M2

M2 = Peak not found by automatic integration algorithm.

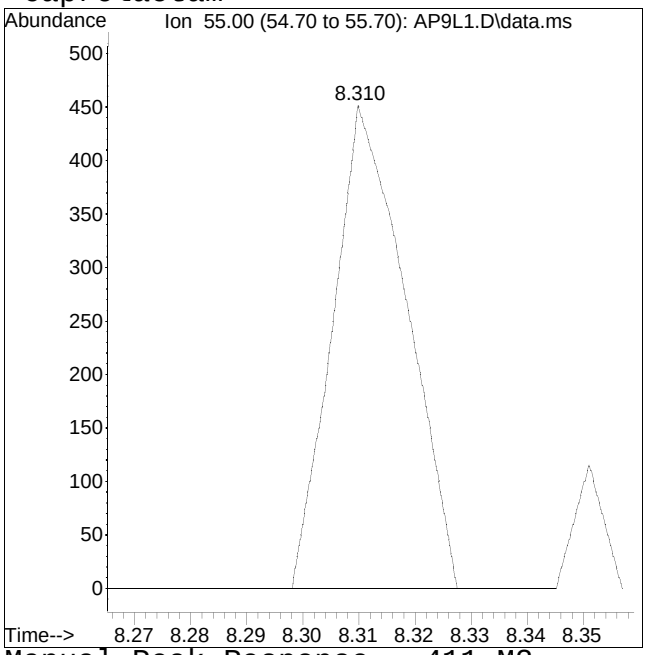
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #60: Caprolactam



Original Peak Response = 0



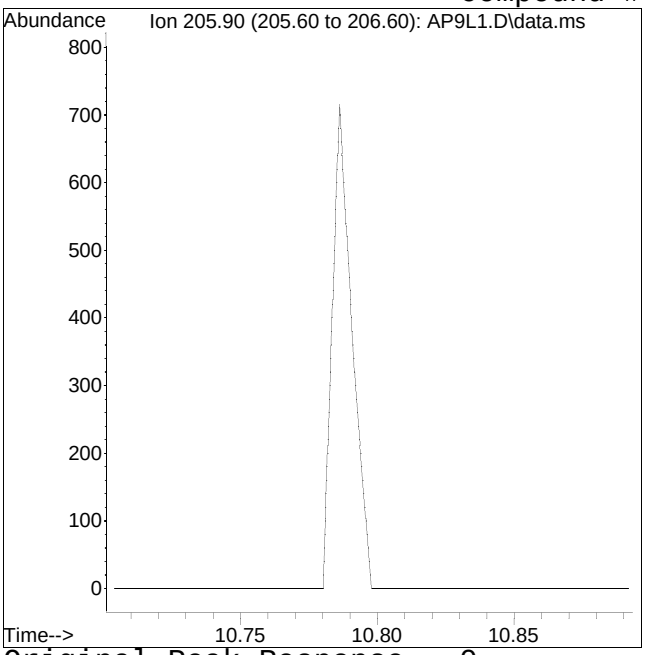
Manual Peak Response = 411 M2

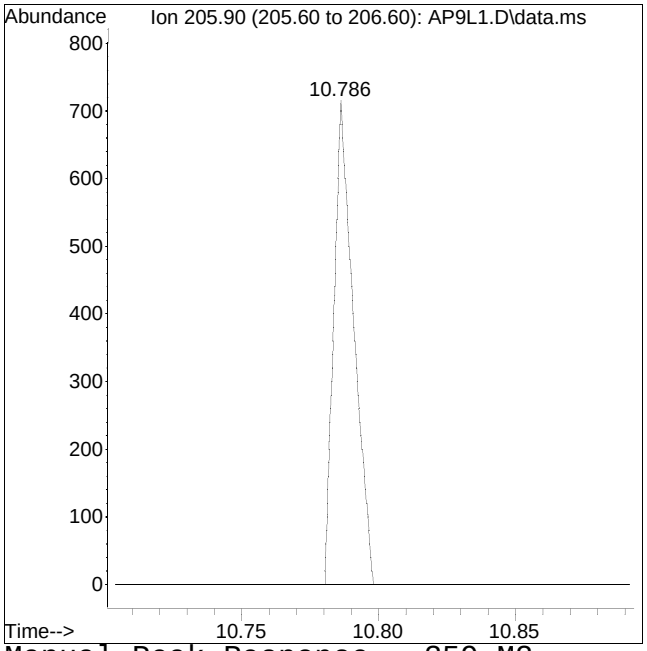
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #84: Dichloran



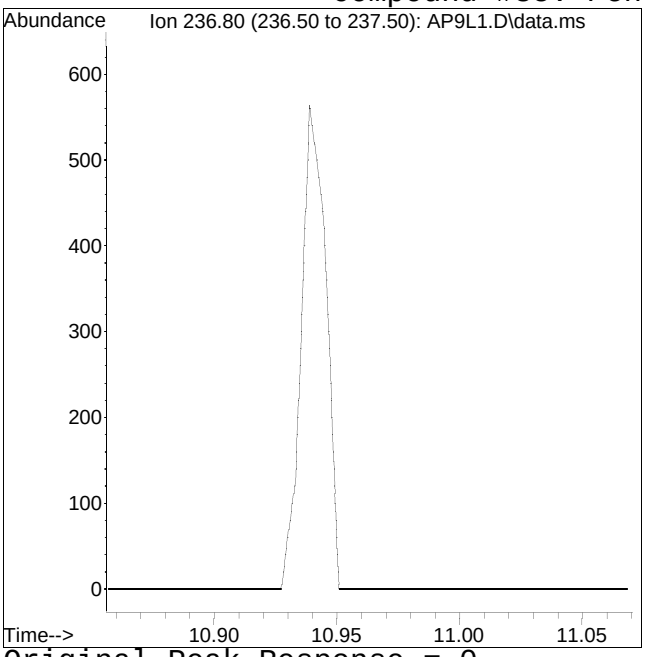


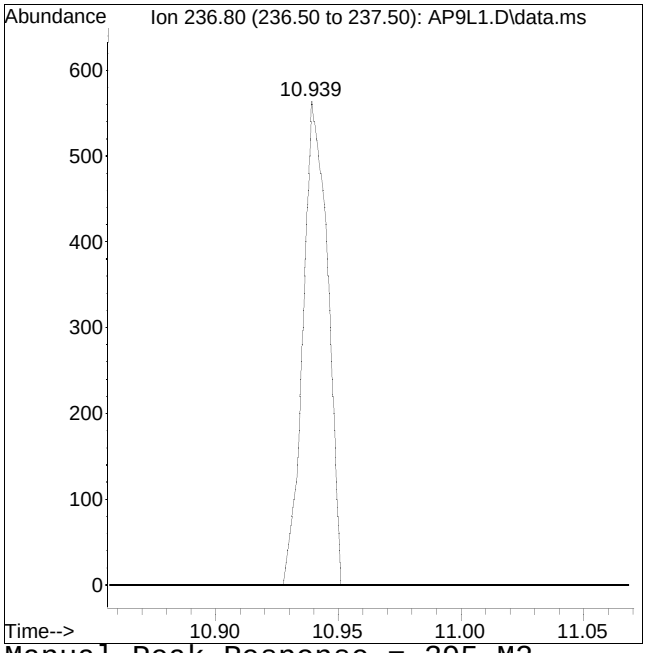
Original Peak Response = 0 Manual Peak Response = 359 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 6/24/2024 11:39 pm Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 6/25/2024 5:35 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 395 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
2	t	n-Nitrosodimethylamine		0.851	0.816	4.1	97	-0.02
3	t	Pyridine		1.392	1.335	4.1	96	-0.02
4	S	2-Fluorophenol		1.156	1.067	7.7	91	-0.01
5	T	Aniline		2.049	1.842	10.1	91	0.00
6	t	2-Chlorophenol		1.288	1.197	7.1	96	0.00
7	S	Phenol-d6		1.583	1.468	7.3	96	0.00
8	T	Phenol		1.642	1.549	5.7	96	0.00
9	T	Bis(2-chloroethyl)ether		1.348	1.264	6.2	95	0.00
10	T	1,3-Dichlorobenzene		1.546	1.411	8.7	93	0.00
11	T	1,4-Dichlorobenzene		1.565	1.483	5.2	98	0.00
12	T	1,2-Dichlorobenzene		1.522	1.374	9.7	93	0.00
13	t	Benzyl alcohol		1.267	1.198	5.4	95	0.00
14	T	Bis(2-chloroisopropyl)ether		2.166	2.053	5.2	98	0.00
15	T	2-Methylphenol		1.183	1.086	8.2	92	0.00
16	T	Hexachloroethane		0.623	0.570	8.5	97	0.00
17	T	n-Nitrosodi-n-propylamine		1.057	1.014	4.1	94	0.00
18	T	3-Methylphenol/4-Methylphen		1.279	1.202	6.0	96	0.00
19	S	Nitrobenzene-d5		1.619	1.489	8.0	95	0.00
20	T	Nitrobenzene		1.643	1.519	7.5	96	0.00
21	T	Isophorone		2.760	2.659	3.7	94	0.00
22	T	2-Nitrophenol		0.692	0.662	4.3	95	0.00
23	T	2,4-Dimethylphenol		1.301	1.126	13.5	88	0.00
24	T	Bis(2-chloroethoxy)methane		1.778	1.670	6.1	96	0.00
25	T	2,4-Dichlorophenol		1.233	1.197	2.9	96	0.00
26	T	1,2,4-Trichlorobenzene		1.510	1.365	9.6	96	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	96	0.00
36	T	Naphthalene		1.147	1.016	11.4	97	0.00
37	T	Benzoic Acid	*	5.000	4.412	11.8	90	0.00
38	T	4-Chloroaniline		0.169	0.157	7.1	96	0.00
39	T	Hexachlorobutadiene		0.303	0.263	13.2	97	0.00
40	T	p-Chloro-m-cresol		0.343	0.327	4.7	98	0.00
41	T	2-Methylnaphthalene		0.764	0.705	7.7	98	0.00
42	T	1-Methylnaphthalene		0.290	0.267	7.9	97	0.00
43	T	Hexachlorocyclopentadiene		0.336	0.313	6.8	97	0.00
44	T	2,4,6-Trichlorophenol		0.301	0.284	5.6	97	0.00
45	T	2,4,5-Trichlorophenol		0.322	0.310	3.7	96	0.00
46	S	2-Fluorobiphenyl		1.027	0.935	9.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.813	0.749	7.9	98	0.00
48	T	2-Nitroaniline	0.245	0.239	2.4	99	0.00
49	T	1,4-Dinitrobenzene	0.129	0.126	2.3	100	0.00
50	T	1,3-Dinitrobenzene	0.147	0.143	2.7	97	0.00
51	T	Dimethyl phthalate	0.989	0.951	3.8	99	0.00
52	T	Acenaphthylene	1.244	1.209	2.8	100	0.00
53	T	2,6-Dinitrotoluene	0.213	0.205	3.8	96	0.00
54	T	1,2-Dinitrobenzene	0.091	0.085	6.6	92	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	96	0.00
64	T	3-Nitroaniline	0.319	0.328	-2.8	99	0.00
65	T	Acenaphthene	1.153	1.072	7.0	98	0.00
66	T	2,4-Dinitrophenol	0.213	0.204	4.2	91	0.00
67	T	Dibenzofuran	1.936	1.758	9.2	97	0.00
68	T	2,4-Dinitrotoluene	0.475	0.449	5.5	93	0.00
69	T	4-Nitrophenol	0.323	0.320	0.9	100	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.452	0.456	-0.9	100	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.435	0.446	-2.5	99	0.00
72	T	Diethyl phthalate	1.529	1.455	4.8	100	0.00
73	T	Fluorene	1.523	1.420	6.8	97	0.00
74	T	4-Chlorophenyl phenyl ether	0.801	0.756	5.6	103	0.00
75	T	4-Nitroaniline	0.333	0.319	4.2	99	0.00
76	T	4,6-Dinitro-o-cresol	0.266	0.288	-8.3	99	0.00
77	T	NDPA/DPA	1.263	1.194	5.5	96	0.00
78	T	Azobenzene	1.446	1.375	4.9	98	0.00
79	S	2,4,6-Tribromophenol	0.249	0.254	-2.0	100	0.00
80	T	4-Bromophenyl phenyl ether	0.500	0.473	5.4	100	0.00
81	T	Hexachlorobenzene	0.569	0.516	9.3	98	0.00
82	T	Pentachlorophenol	0.361	0.378	-4.7	98	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	99	0.00
89	T	Phenanthrene	1.117	0.986	11.7	98	0.00
90	T	Anthracene	1.111	1.025	7.7	99	0.00
91	T	Carbazole	1.018	0.940	7.7	100	0.00
92	T	Di-n-butylphthalate	1.195	1.135	5.0	100	0.00
93	T	Fluoranthene	1.366	1.247	8.7	100	0.00
94	T	Benzidine	0.741	0.742	-0.1	100	0.00
95	T	Pyrene	1.440	1.328	7.8	101	0.00
96	S	4-Terphenyl-d14	1.076	0.986	8.4	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.550	0.505	8.2	99	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	98	0.00
105	T	Benzo(a)anthracene	1.478	1.321	10.6	99	0.00
106	T	3,3'-Dichlorobenzidine	0.489	0.482	1.4	97	0.00
107	T	Chrysene	1.429	1.262	11.7	99	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.817	0.794	2.8	98	0.00
109	T	Di-n-octylphthalate	1.352	1.323	2.1	100	0.00
110	T	Benzo(b)fluoranthene	1.430	1.320	7.7	105	0.00
111	T	Benzo(k)fluoranthene	1.356	1.212	10.6	94	0.00
112	T	Benzo(a)pyrene	1.242	1.190	4.2	101	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	97	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.082	1.059	2.1	99	0.00
115	T	Dibenzo(a,h)anthracene	1.042	1.042	0.0	102	0.00
116	T	Benzo(ghi)perylene	0.964	0.989	-2.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.463	152	31737	4.000	ug/ml	0.00
Standard Area 1 = 34411			Recovery = 92.23%			
35) IS1_Naphthalene-d8	7.886	136	116701	4.000	ug/ml #	0.00
Standard Area 1 = 121176			Recovery = 96.31%			
63) IS1_Acenaphthene-d10	9.657	164	76011	4.000	ug/ml	0.00
Standard Area 1 = 79426			Recovery = 95.70%			
88) IS1_Phenanthrene-d10	11.092	188	173714	4.000	ug/ml	0.00
Standard Area 1 = 176143			Recovery = 98.62%			
104) IS1_Chrysene-d12	13.739	240	171631	4.000	ug/ml #	0.00
Standard Area 1 = 174707			Recovery = 98.24%			
113) IS1_Perylene-d12	15.215	264	190344	4.000	ug/ml	0.00
Standard Area 1 = 195526			Recovery = 97.35%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.557	112	42312	4.613	ug/ml	-0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 230.65%#			
7) Phenol-d6	6.092	99	58244	4.638	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 231.90%#			
19) Nitrobenzene-d5	7.116	82	59067	4.599	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 459.90%#			
46) 2-Fluorobiphenyl	9.016	172	136405	4.552	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 455.20%#			
79) 2,4,6-Tribromophenol	10.427	330	24098	5.087	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.35%#			
96) 4-Terphenyl-d14	12.680	244	214054	4.583	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 458.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.128	74	32356	4.791	ug/ml#	70
3) Pyridine	2.163	79	52962	4.794	ug/ml#	65
5) Aniline	6.051	93	73085	4.497	ug/ml	100
6) 2-Chlorophenol	6.198	128	47473	4.646	ug/ml	98
8) Phenol	6.104	94	61436	4.716	ug/ml	91
9) Bis(2-chloroethyl)ether	6.181	93	50154	4.688	ug/ml#	74
10) 1,3-Dichlorobenzene	6.386	146	55987	4.563	ug/ml	99
11) 1,4-Dichlorobenzene	6.481	146	58849	4.740	ug/ml	98
12) 1,2-Dichlorobenzene	6.663	146	54515	4.514	ug/ml	98
13) Benzyl alcohol	6.669	79	47507	4.724	ug/ml	94
14) Bis(2-chloroisopropyl)...	6.845	45	81450	4.739	ug/ml#	59

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	6.839	108	43064	4.590	ug/ml	97
16) Hexachloroethane	7.051	117	22610	4.576	ug/ml#	48
17) n-Nitrosodi-n-propylamine	6.992	70	40232	4.798	ug/ml#	89
18) 3-Methylphenol/4-Methy...	7.028	108	47704	4.701	ug/ml	100
20) Nitrobenzene	7.139	77	60250	4.621	ug/ml	93
21) Isophorone	7.416	82	105479	4.816	ug/ml	94
22) 2-Nitrophenol	7.498	139	26262	4.785	ug/ml#	92
23) 2,4-Dimethylphenol	7.598	107	44685	4.327	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.692	93	66268	4.698	ug/ml	98
25) 2,4-Dichlorophenol	7.763	162	47496	4.855	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.845	180	54145	4.519	ug/ml	96
36) Naphthalene	7.910	128	148264	4.432	ug/ml	99
37) Benzoic Acid	7.686	105	35144	4.412	ug/ml	98
38) 4-Chloroaniline	7.992	65	22958	4.655	ug/ml	88
39) Hexachlorobutadiene	8.080	225	38426	4.352	ug/ml	99
40) p-Chloro-m-cresol	8.522	107	47677	4.769	ug/ml	96
41) 2-Methylnaphthalene	8.627	142	102902	4.615	ug/ml	94
42) 1-Methylnaphthalene	8.722	115	38995	4.606	ug/ml	84
43) Hexachlorocyclopentadiene	8.810	237	45649	4.661	ug/ml	99
44) 2,4,6-Trichlorophenol	8.927	196	41492	4.732	ug/ml	96
45) 2,4,5-Trichlorophenol	8.957	196	45219	4.816	ug/ml	98
47) 2-Chloronaphthalene	9.110	162	109202	4.606	ug/ml	96
48) 2-Nitroaniline	9.222	138	34832	4.876	ug/ml	98
49) 1,4-Dinitrobenzene	9.357	168	18421	4.900	ug/ml	88
50) 1,3-Dinitrobenzene	9.427	168	20889	4.876	ug/ml#	1
51) Dimethyl phthalate	9.427	163	138787	4.810	ug/ml#	99
52) Acenaphthylene	9.510	152	176343	4.859	ug/ml	100
53) 2,6-Dinitrotoluene	9.469	165	29955	4.822	ug/ml	89
54) 1,2-Dinitrobenzene	9.510	168	12362	4.666	ug/ml#	1
64) 3-Nitroaniline	9.622	138	31209	5.142	ug/ml	92
65) Acenaphthene	9.686	154	101856	4.650	ug/ml	90
66) 2,4-Dinitrophenol	9.727	184	19408	4.789	ug/ml	91
67) Dibenzofuran	9.857	168	167081	4.541	ug/ml	98
68) 2,4-Dinitrotoluene	9.857	165	42694	4.732	ug/ml	94
69) 4-Nitrophenol	9.816	65	30360	4.940	ug/ml#	84
70) 2,3,5,6-Tetrachlorophenol	9.945	232	43280	5.037	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	9.992	232	42390	5.129	ug/ml	98
72) Diethyl phthalate	10.122	149	138268	4.757	ug/ml	99
73) Fluorene	10.192	166	134876	4.662	ug/ml	94
74) 4-Chlorophenyl phenyl ...	10.210	204	71803	4.715	ug/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
75)	4-Nitroaniline	10.216	138	30300	4.795	ug/ml	#	88
76)	4,6-Dinitro-o-cresol	10.251	198	27327	5.403	ug/ml	#	65
77)	NDPA/DPA	10.327	169	113489	4.730	ug/ml		96
78)	Azobenzene	10.357	77	130690	4.756	ug/ml		95
80)	4-Bromophenyl phenyl e...	10.680	248	44914	4.727	ug/ml	#	86
81)	Hexachlorobenzene	10.733	284	49006	4.535	ug/ml	#	81
82)	Pentachlorophenol	10.927	266	35912	5.232	ug/ml		96
89)	Phenanthrene	11.116	178	214102	4.413	ug/ml		99
90)	Anthracene	11.169	178	222491	4.612	ug/ml		99
91)	Carbazole	11.333	167	204021	4.616	ug/ml		99
92)	Di-n-butylphthalate	11.727	149	246456	4.748	ug/ml		100
93)	Fluoranthene	12.274	202	270824	4.566	ug/ml	#	91
94)	Benzidine	12.427	184	161127	5.004	ug/ml	#	94
95)	Pyrene	12.492	202	288357	4.612	ug/ml		99
97)	Butyl benzyl phthalate	13.210	149	109619	4.588	ug/ml		95
105)	Benzo(a)anthracene	13.733	228	283411	4.469	ug/ml		99
106)	3,3'-Dichlorobenzidine	13.733	252	103514	4.933	ug/ml	#	96
107)	Chrysene	13.768	228	270744	4.416	ug/ml		100
108)	Bis(2-ethylhexyl)phtha...	13.851	149	170402	4.860	ug/ml	#	95
109)	Di-n-octylphthalate	14.533	149	283833	4.891	ug/ml	#	75
110)	Benzo(b)fluoranthene	14.845	252	283245	4.615	ug/ml	#	92
111)	Benzo(k)fluoranthene	14.868	252	259962	4.468	ug/ml	#	91
112)	Benzo(a)pyrene	15.156	252	255240	4.791	ug/ml	#	90
114)	Indeno(1,2,3-cd)pyrene	16.198	276	251892M6	4.892	ug/mL		
115)	Dibenzo(a,h)anthracene	16.227	278	248022	5.004	ug/ml	#	87
116)	Benzo(ghi)perylene	16.456	276	235381	5.131	ug/ml	#	82

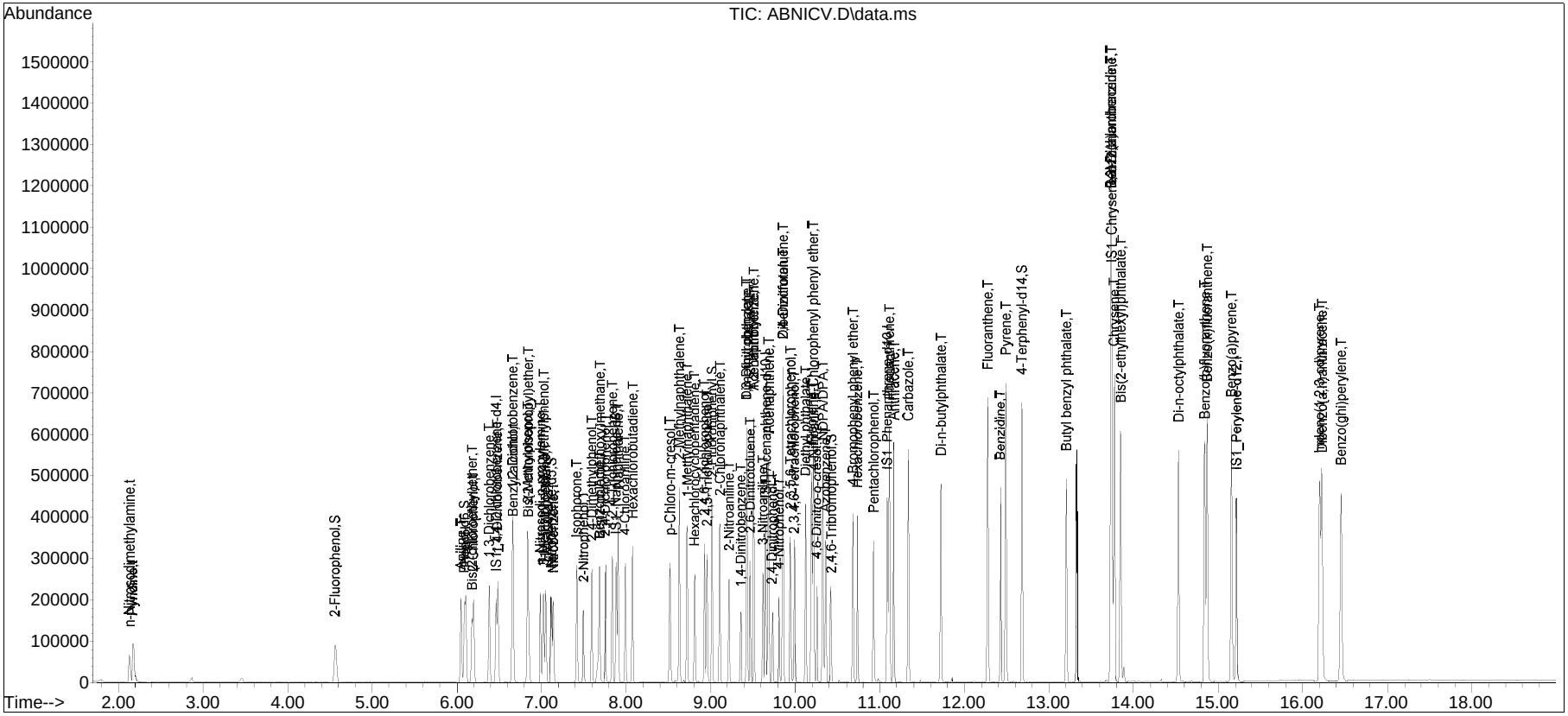
(#) = qualifier out of range (m) = manual integration (+) = signals summed

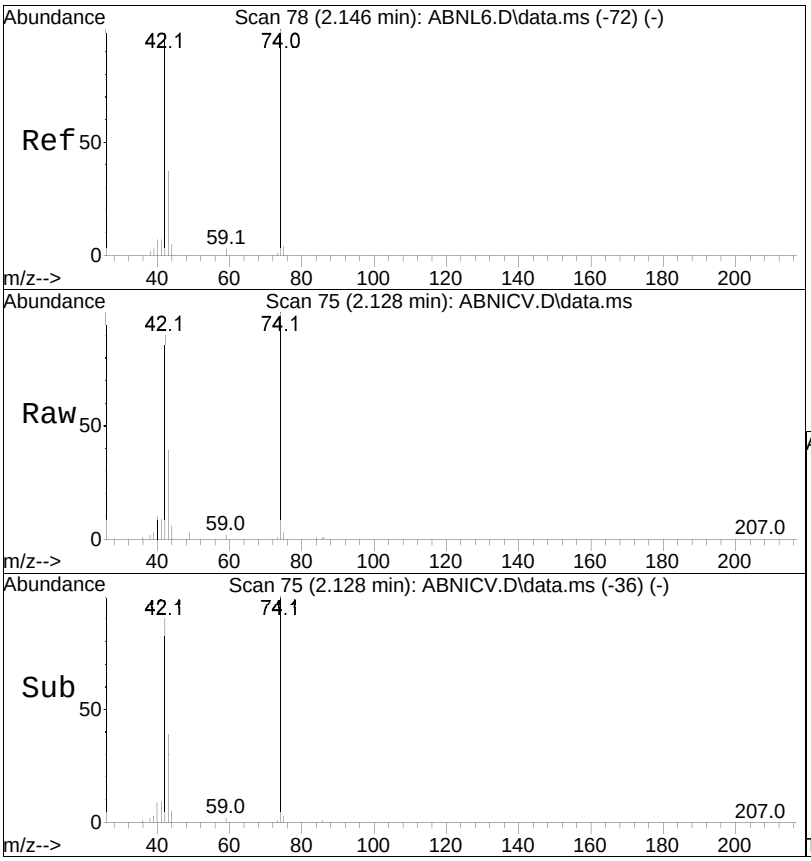
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ABNICV.D
Acq On : 25 Jun 2024 12:03 am
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939040,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 25 06:32:52 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

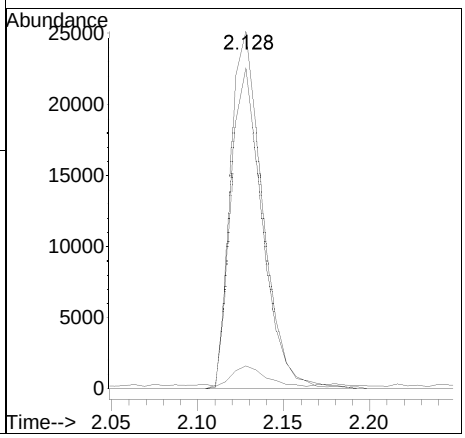


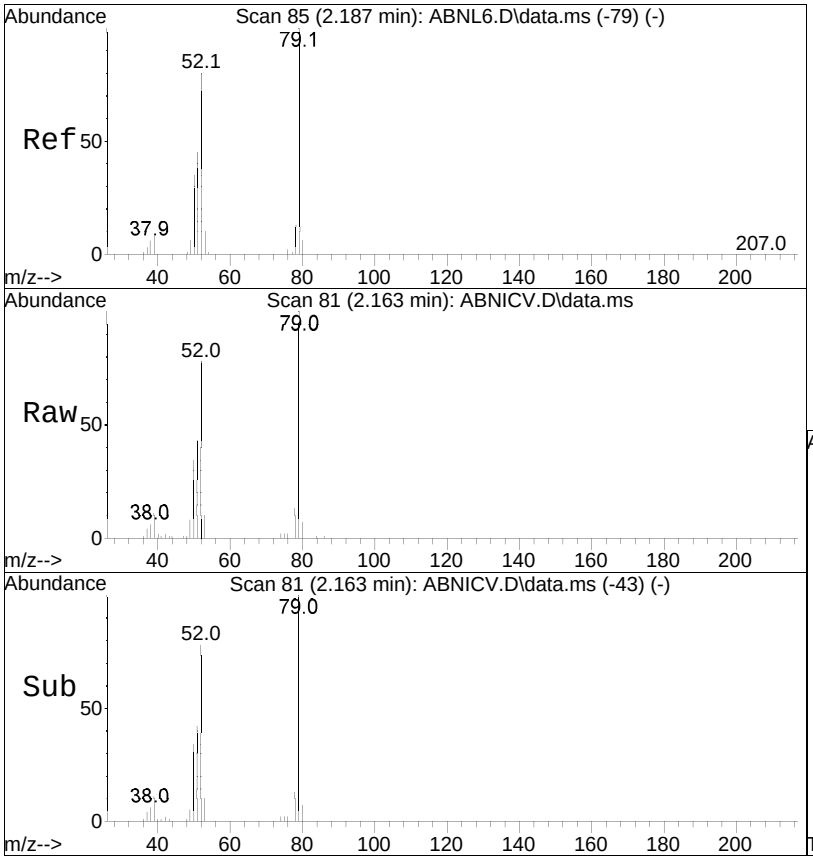


#2
n-Nitrosodimethylamine
Concen: 4.79 ug/ml
RT: 2.128 min Scan# 75
Delta R.T. -0.018 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 74 Resp: 32356

Ion	Ratio	Lower	Upper
74	100		
42	89.0	100.0	150.0#
44	5.8	6.7	10.1#

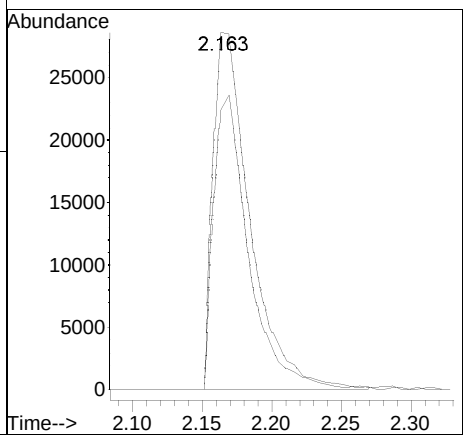


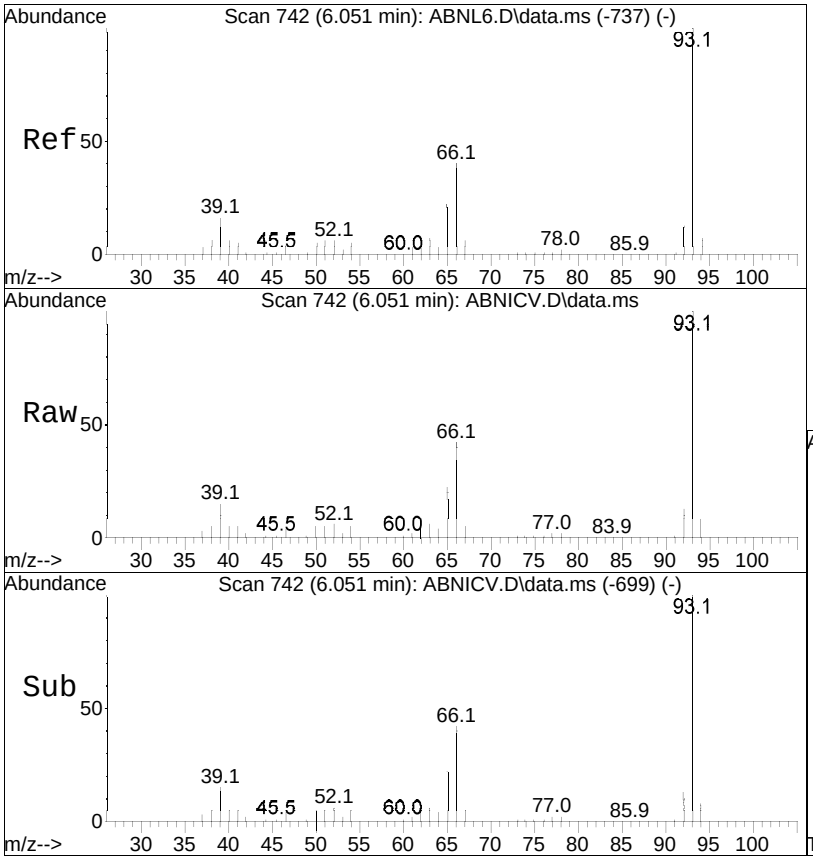


#3
Pyridine
Concen: 4.79 ug/ml
RT: 2.163 min Scan# 81
Delta R.T. -0.024 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 79 Resp: 52962

Ion	Ratio	Lower	Upper
79	100		
52	77.8	93.1	139.7#

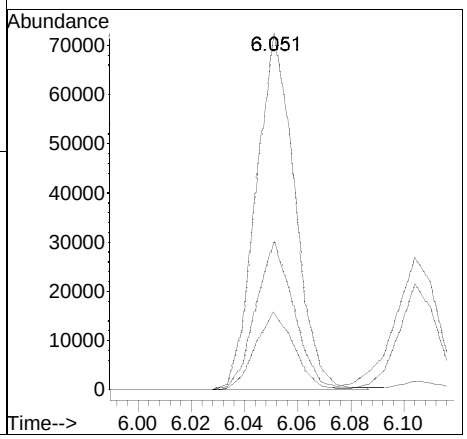


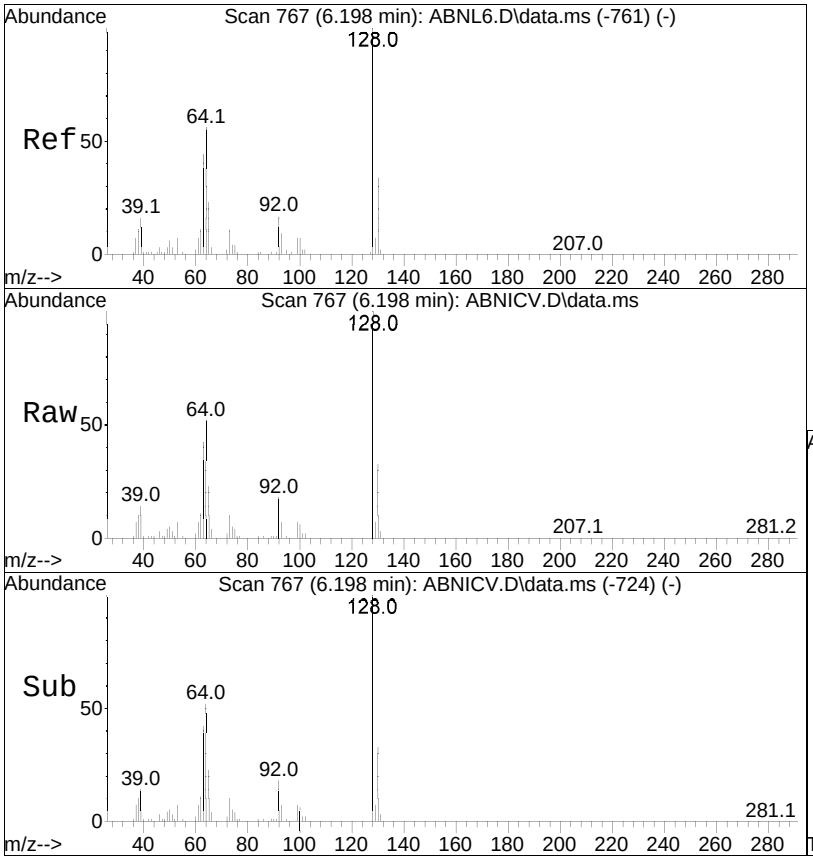


#5
Aniline
Concen: 4.50 ug/ml
RT: 6.051 min Scan# 742
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 73085

Ion	Ratio	Lower	Upper
93	100		
66	41.1	32.6	49.0
65	21.8	17.6	26.4

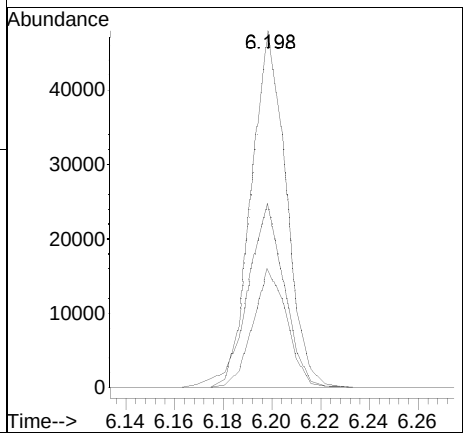


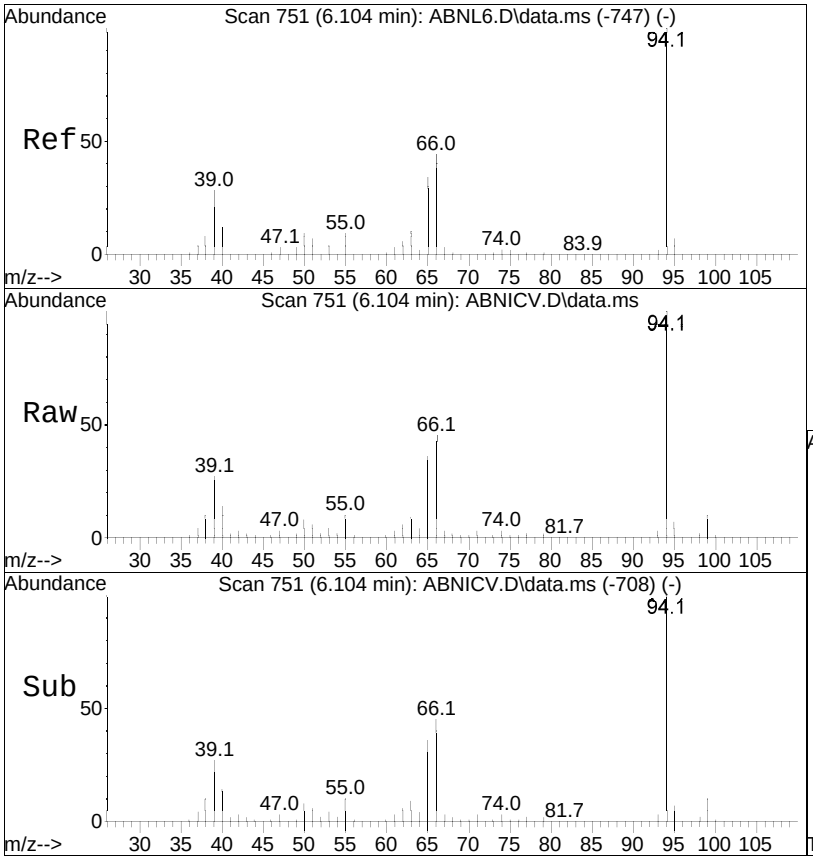


#6
2-Chlorophenol
Concen: 4.65 ug/ml
RT: 6.198 min Scan# 767
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:128 Resp: 47473

Ion	Ratio	Lower	Upper
128	100		
64	54.7	45.1	67.7
130	32.8	26.2	39.4

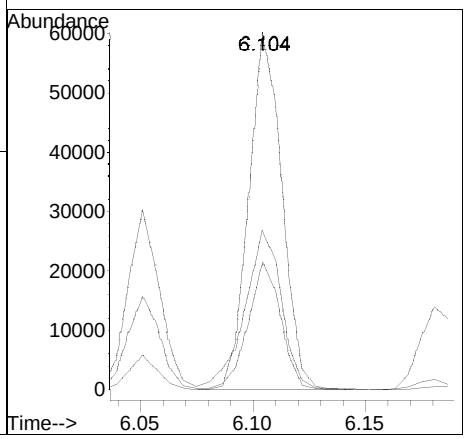


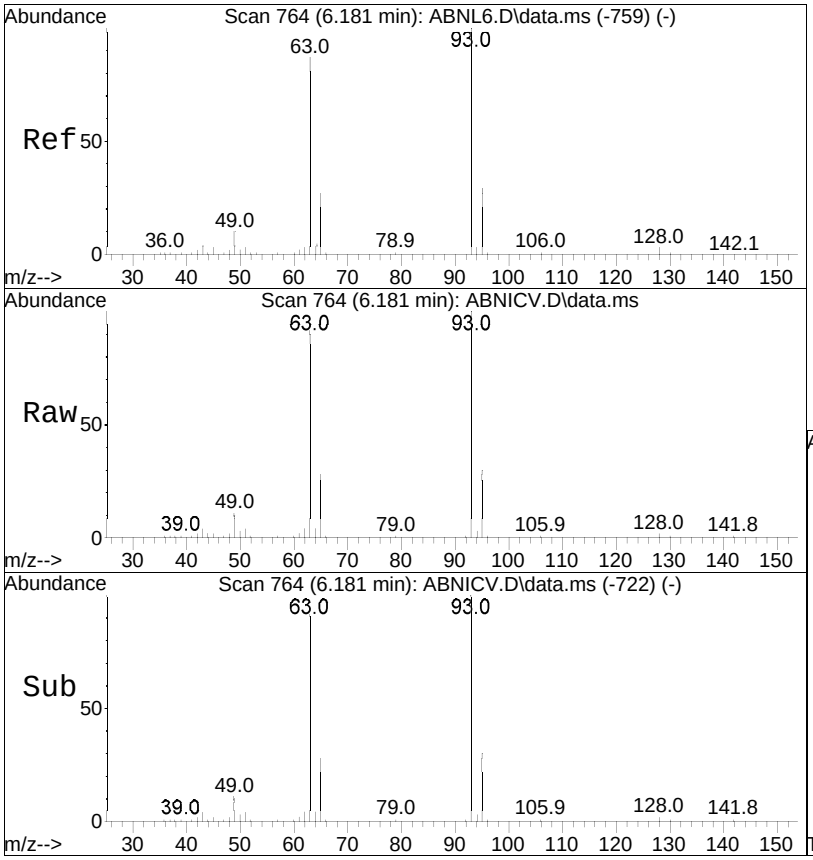


#8
Phenol
Concen: 4.72 ug/ml
RT: 6.104 min Scan# 751
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 94 Resp: 61436

Ion	Ratio	Lower	Upper
94	100		
65	35.7	26.0	39.0
66	50.0	33.8	50.8

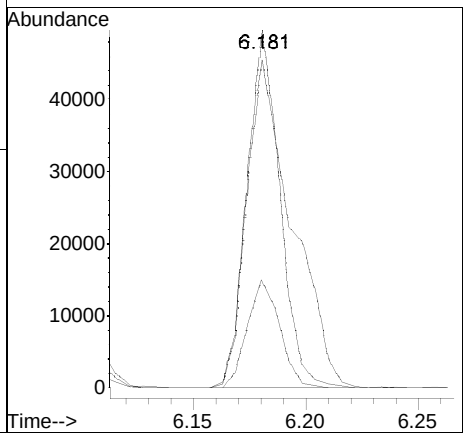


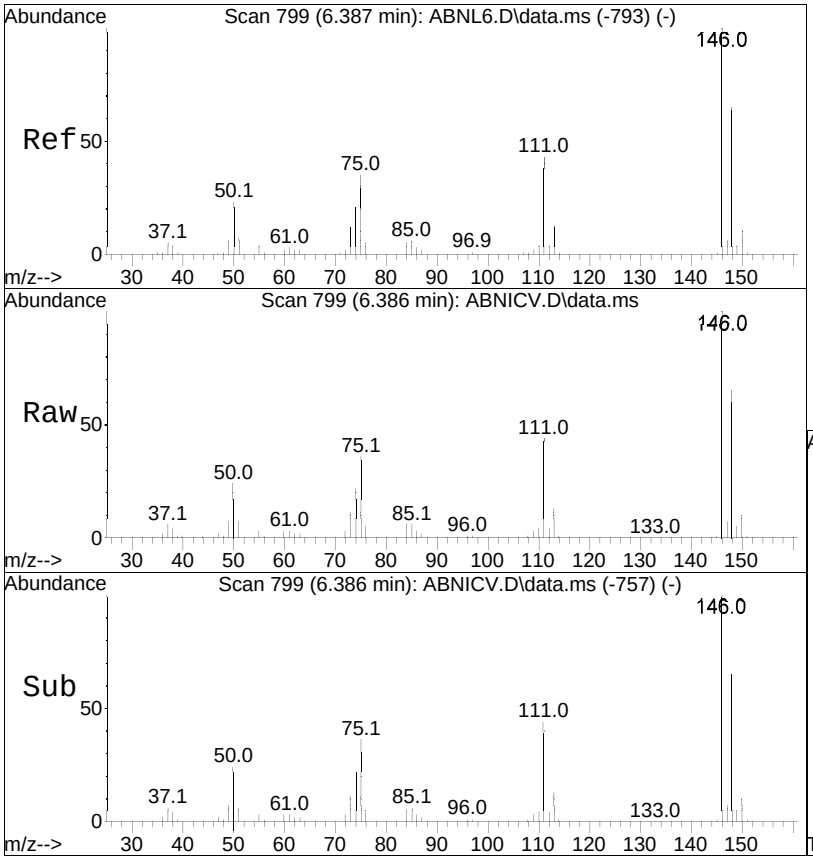


#9
Bis(2-chloroethyl)ether
Concen: 4.69 ug/ml
RT: 6.181 min Scan# 764
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 50154

Ion	Ratio	Lower	Upper
93	100		
63	125.7	74.6	111.8#
95	29.8	25.9	38.9

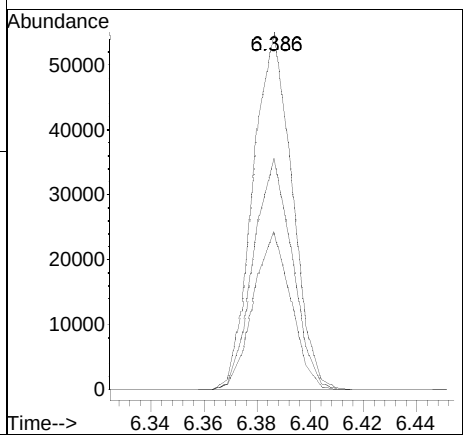


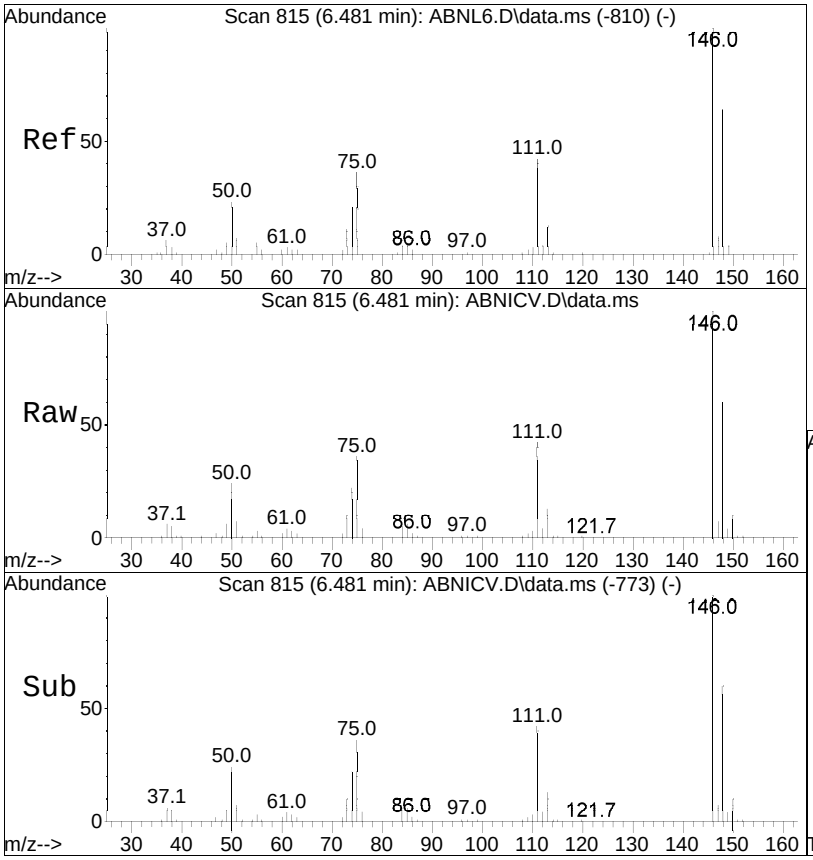


#10
1,3-Dichlorobenzene
Concen: 4.56 ug/ml
RT: 6.386 min Scan# 799
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 55987

Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.3	51.5
148	64.2	50.8	76.2

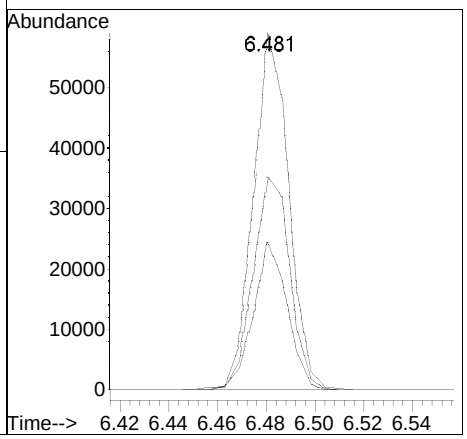


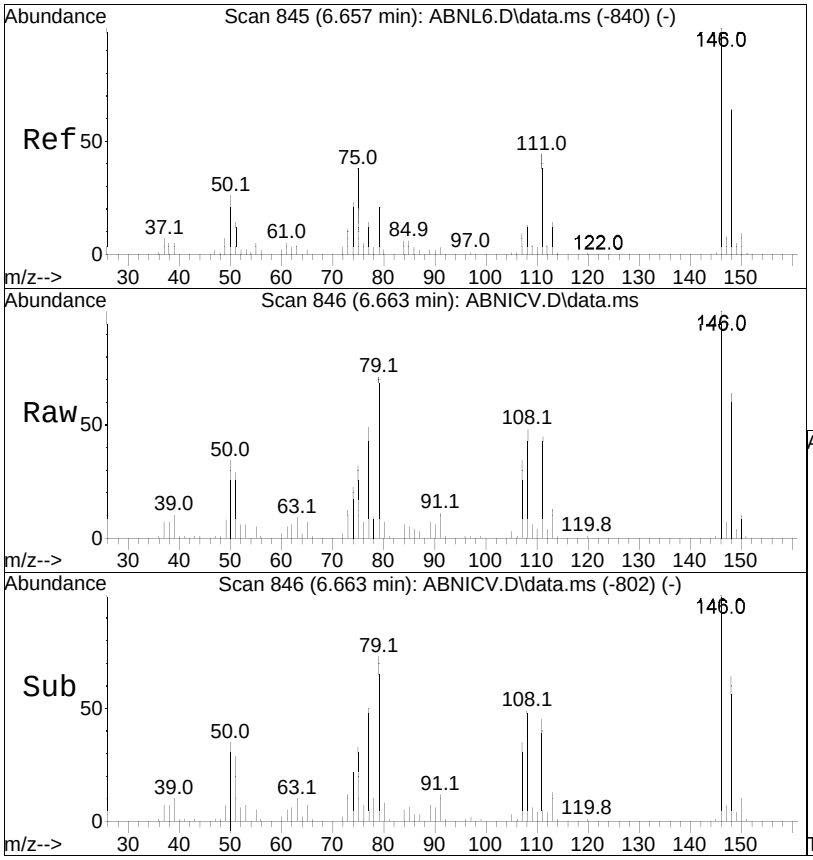


#11
1,4-Dichlorobenzene
Concen: 4.74 ug/ml
RT: 6.481 min Scan# 815
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 58849

Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.7	76.1
111	40.3	33.4	50.0

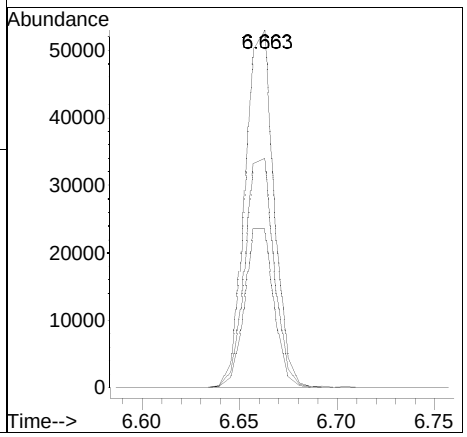


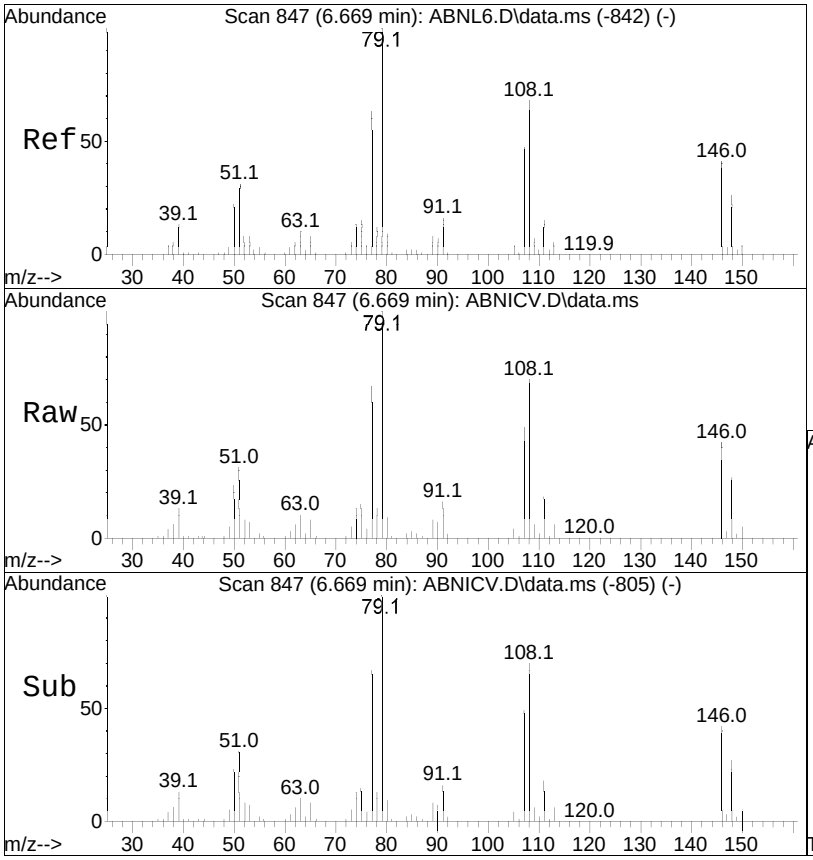


#12
1,2-Dichlorobenzene
Concen: 4.51 ug/ml
RT: 6.663 min Scan# 846
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:146 Resp: 54515

Ion	Ratio	Lower	Upper
146	100		
111	44.8	34.6	52.0
148	64.5	50.2	75.4

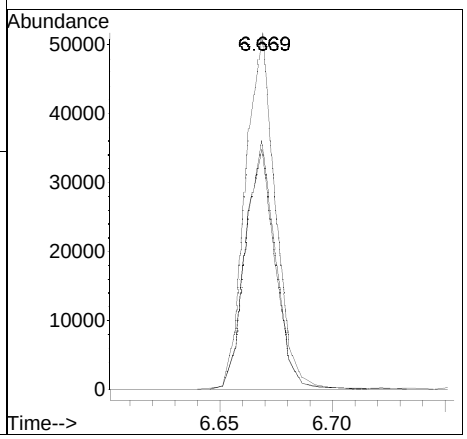


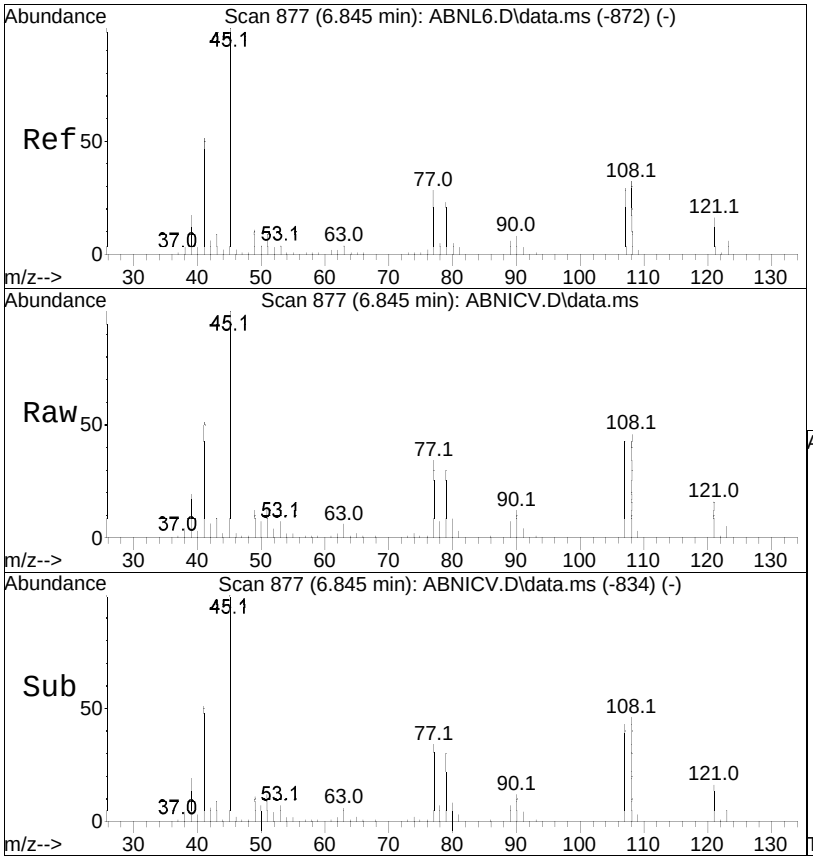


#13
Benzyl alcohol
Concen: 4.72 ug/ml
RT: 6.669 min Scan# 847
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 79 Resp: 47507

Ion	Ratio	Lower	Upper
79	100		
77	68.0	54.9	82.3
108	69.6	63.1	94.7

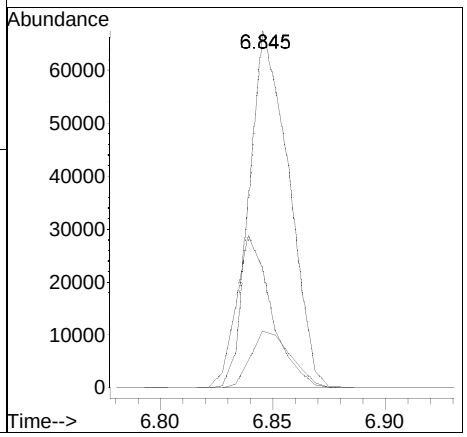


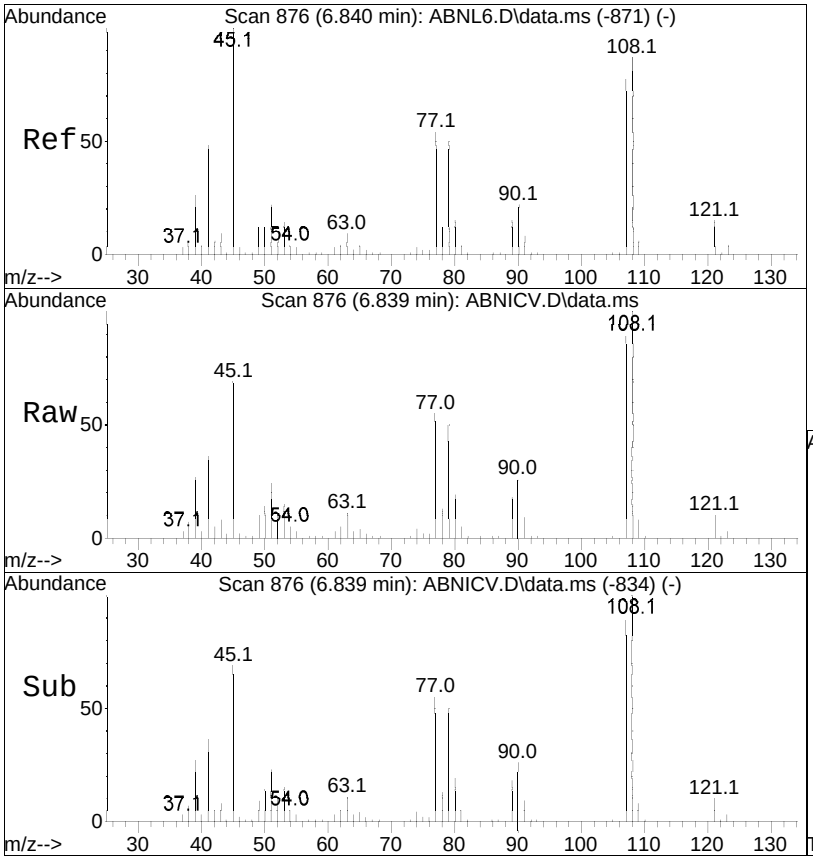


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 6.845 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 45 Resp: 81450

Ion	Ratio	Lower	Upper
45	100		
121	16.2	9.8	14.6#
77	39.0	6.1	9.1#

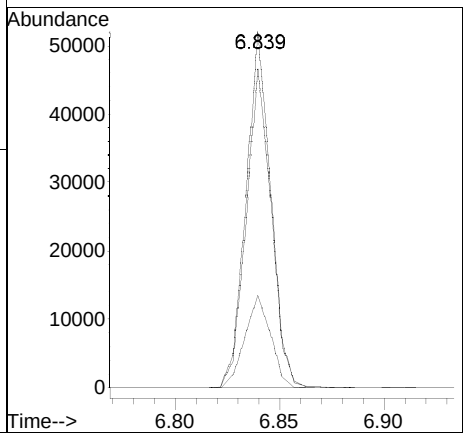


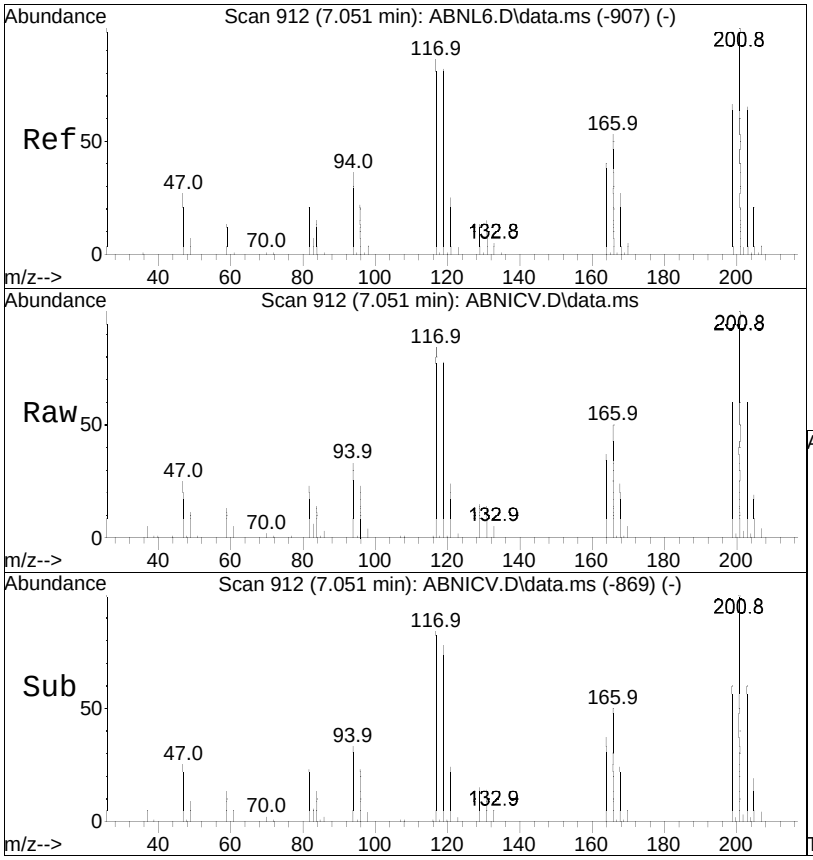


#15
2-Methylphenol
Concen: 4.59 ug/ml
RT: 6.839 min Scan# 876
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:108 Resp: 43064

Ion	Ratio	Lower	Upper
108	100		
107	90.4	70.7	106.1
90	26.9	18.7	28.1

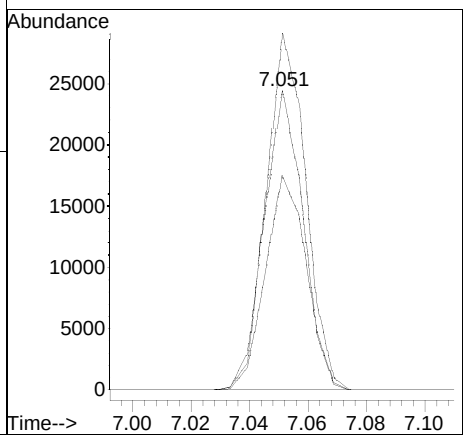


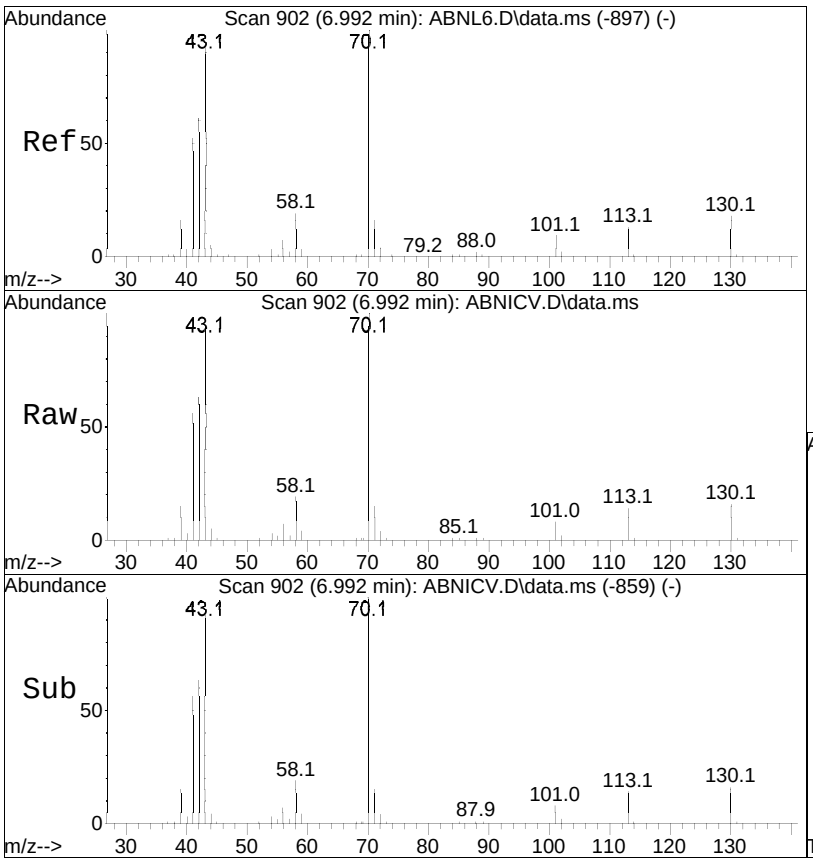


#16
Hexachloroethane
Concen: 4.58 ug/ml
RT: 7.051 min Scan# 912
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:117 Resp: 22610

Ion	Ratio	Lower	Upper
117	100		
201	121.0	58.6	87.8#
199	75.5	36.9	55.3#

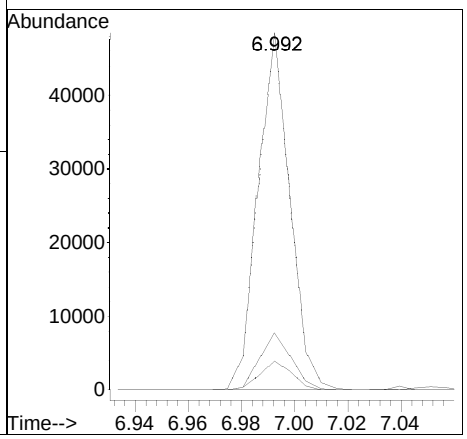


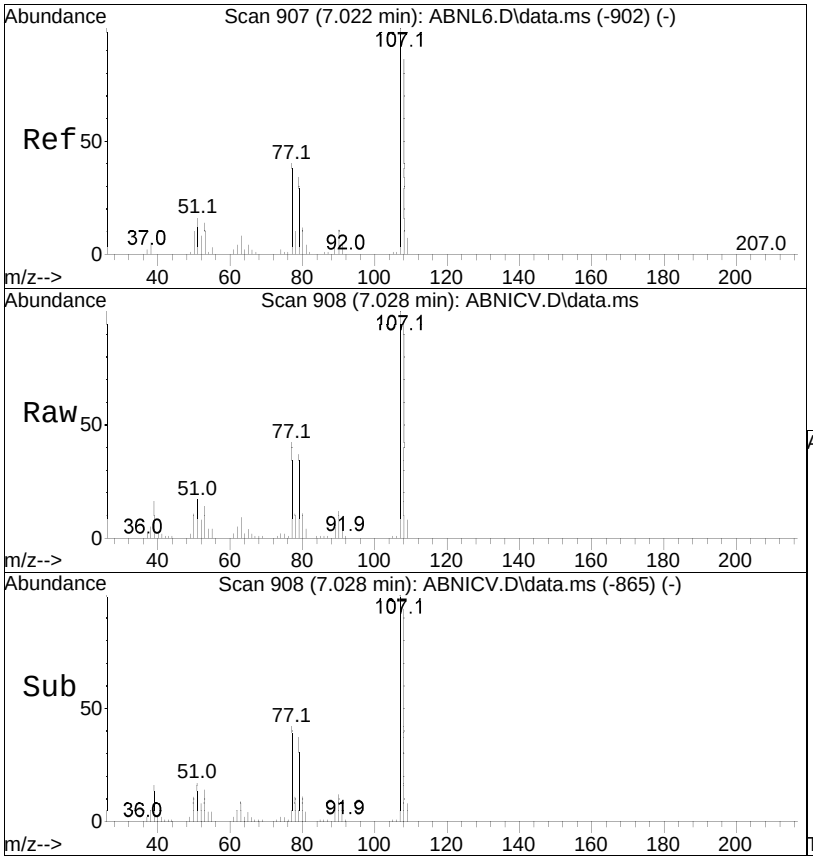


#17
n-Nitrosodi-n-propylamine
Concen: 4.80 ug/ml
RT: 6.992 min Scan# 902
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 70 Resp: 40232

Ion	Ratio	Lower	Upper
70	100		
130	15.9	18.2	27.4#
101	8.1	7.8	11.8

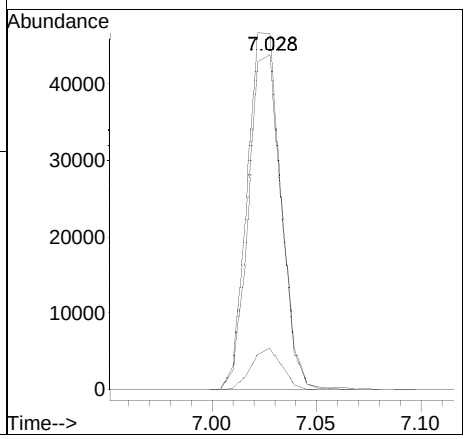


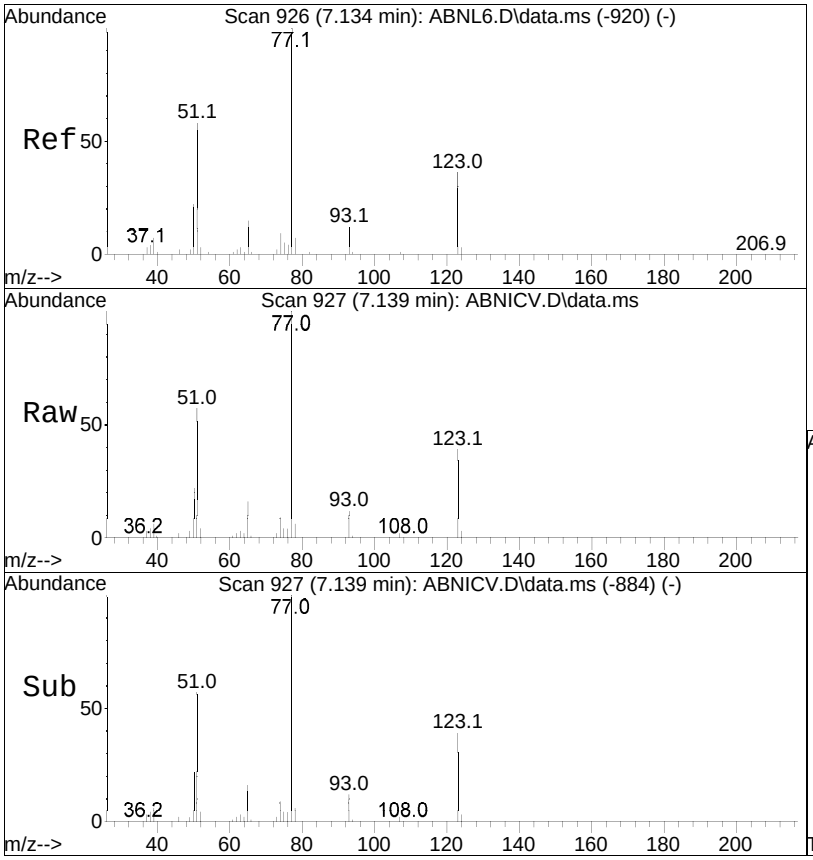


#18
3-Methylphenol/4-Methylphenol
Concen: 4.70 ug/ml
RT: 7.028 min Scan# 908
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:108 Resp: 47704

Ion	Ratio	Lower	Upper
108	100		
107	110.4	88.6	132.8
90	11.8	8.8	13.2

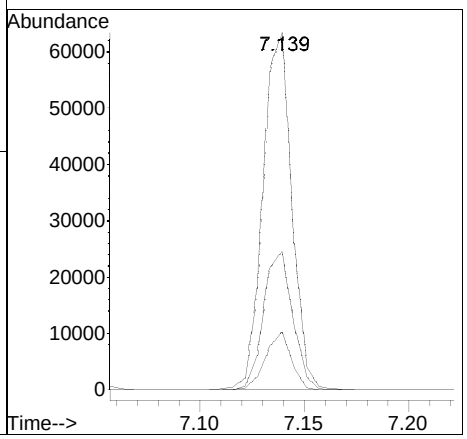


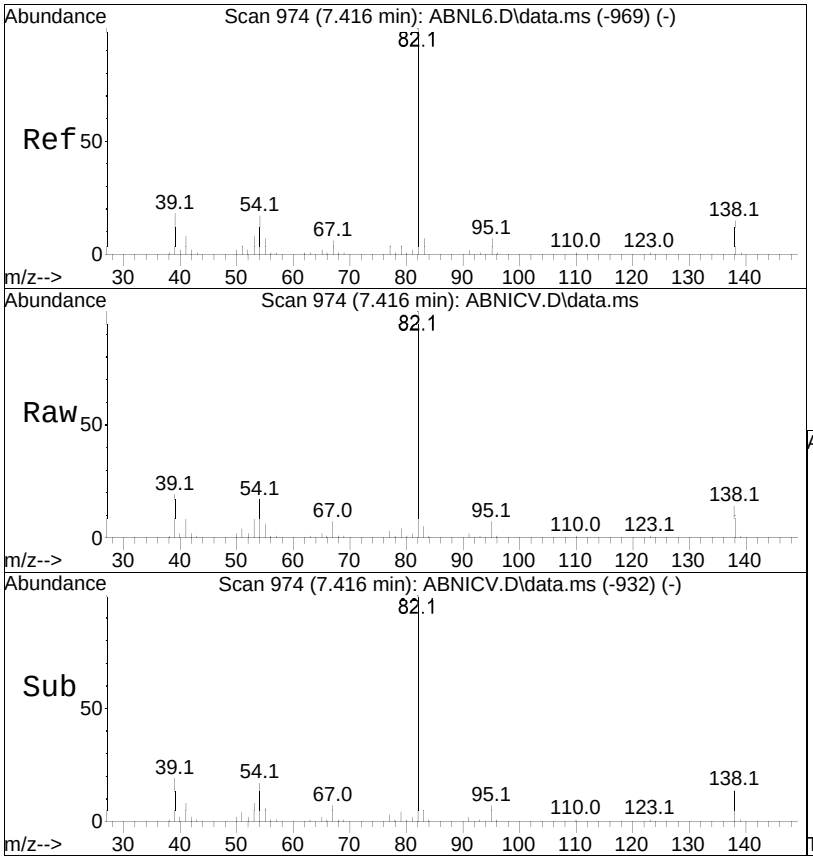


#20
Nitrobenzene
Concen: 4.62 ug/ml
RT: 7.139 min Scan# 927
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 77 Resp: 60250

Ion	Ratio	Lower	Upper
77	100		
123	39.2	36.3	54.5
65	14.6	11.6	17.4

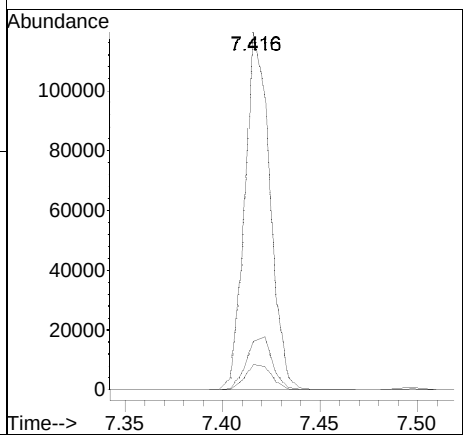


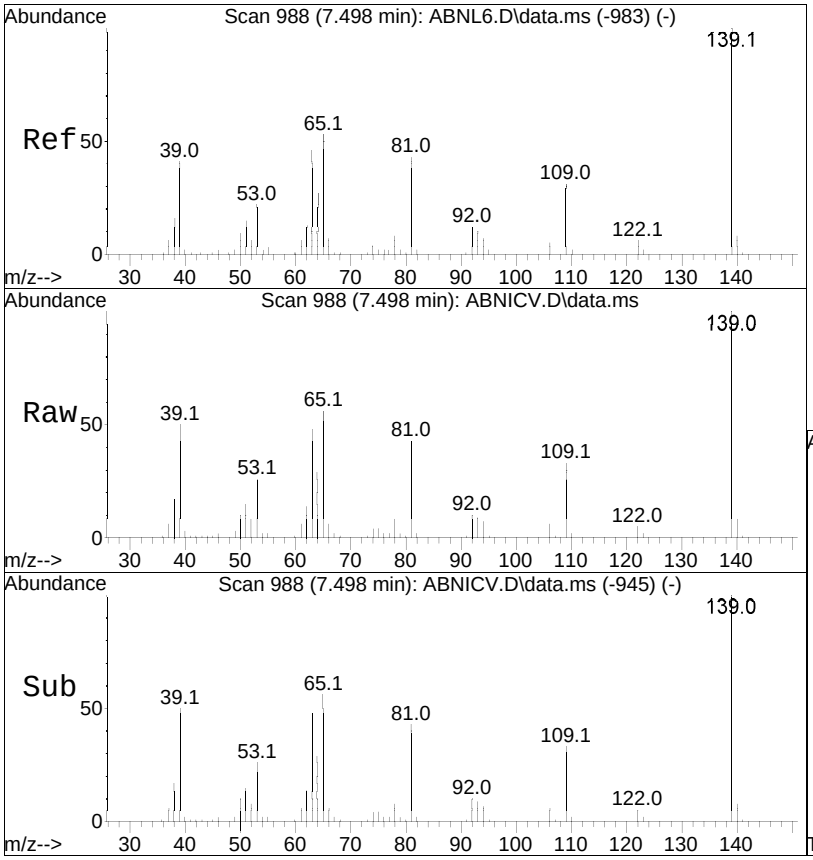


#21
Isophorone
Concen: 4.82 ug/ml
RT: 7.416 min Scan# 974
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 82 Resp: 105479

Ion	Ratio	Lower	Upper
82	100		
138	15.3	14.7	22.1
95	7.5	5.2	7.8

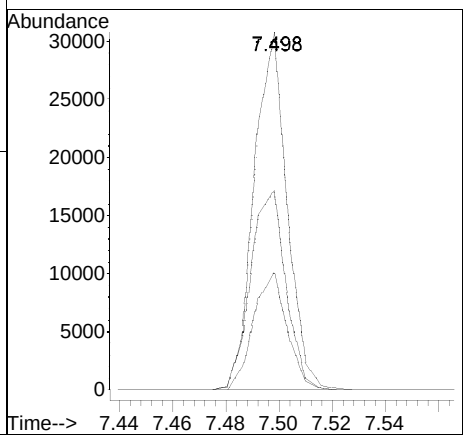


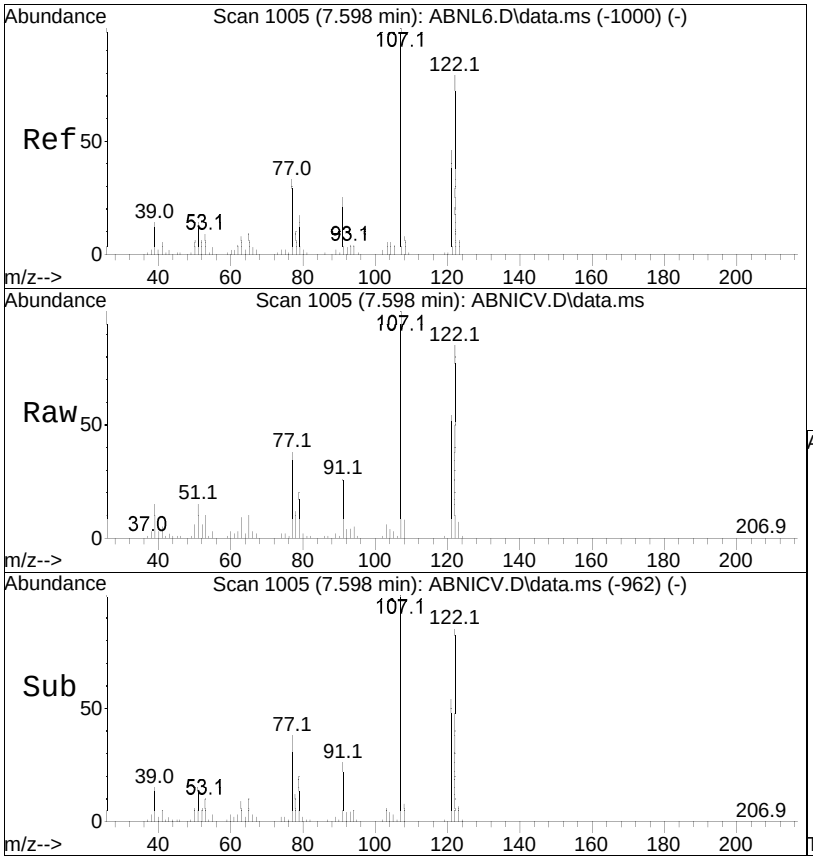


#22
2-Nitrophenol
Concen: 4.78 ug/ml
RT: 7.498 min Scan# 988
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:139 Resp: 26262

Ion	Ratio	Lower	Upper
139	100		
109	33.8	19.4	29.0#
65	60.1	46.1	69.1

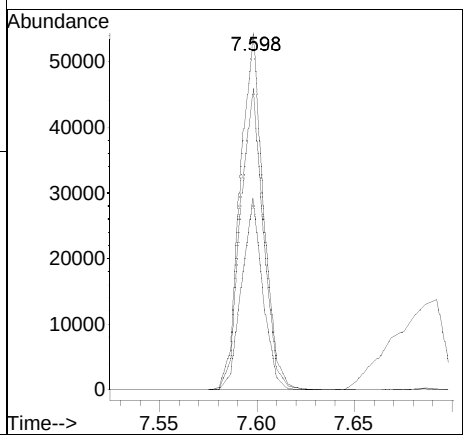


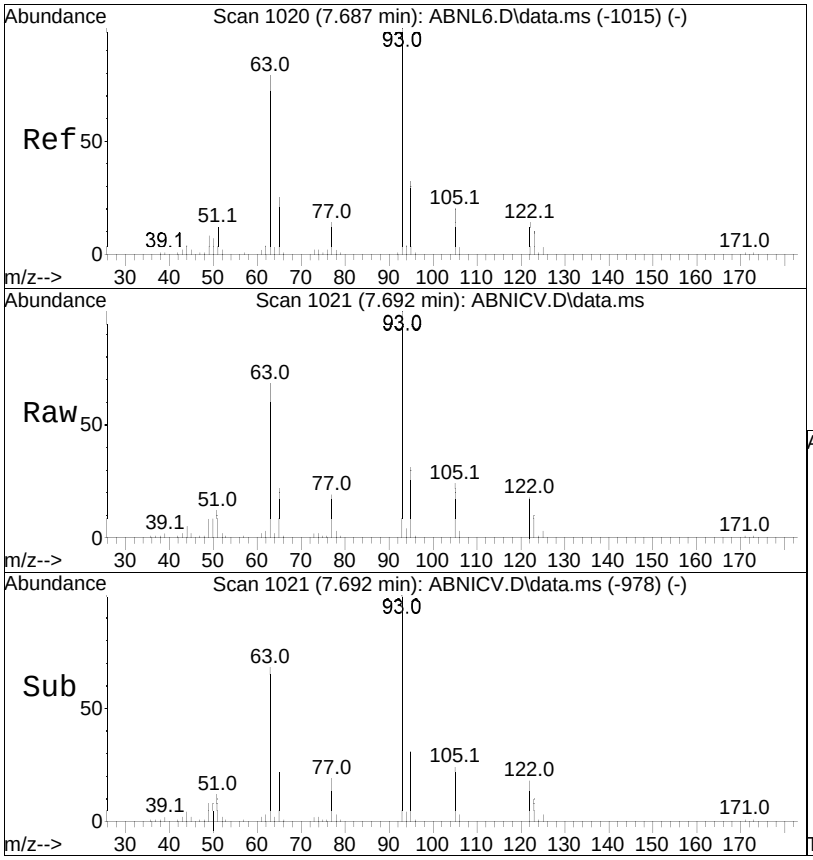


#23
2,4-Dimethylphenol
Concen: 4.33 ug/ml
RT: 7.598 min Scan# 1005
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:107 Resp: 44685

Ion	Ratio	Lower	Upper
107	100		
121	49.3	40.0	60.0
122	83.2	70.2	105.4

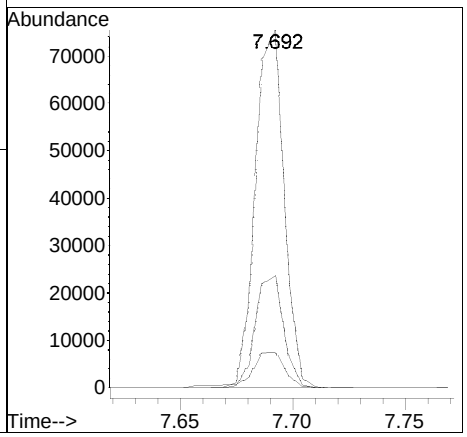


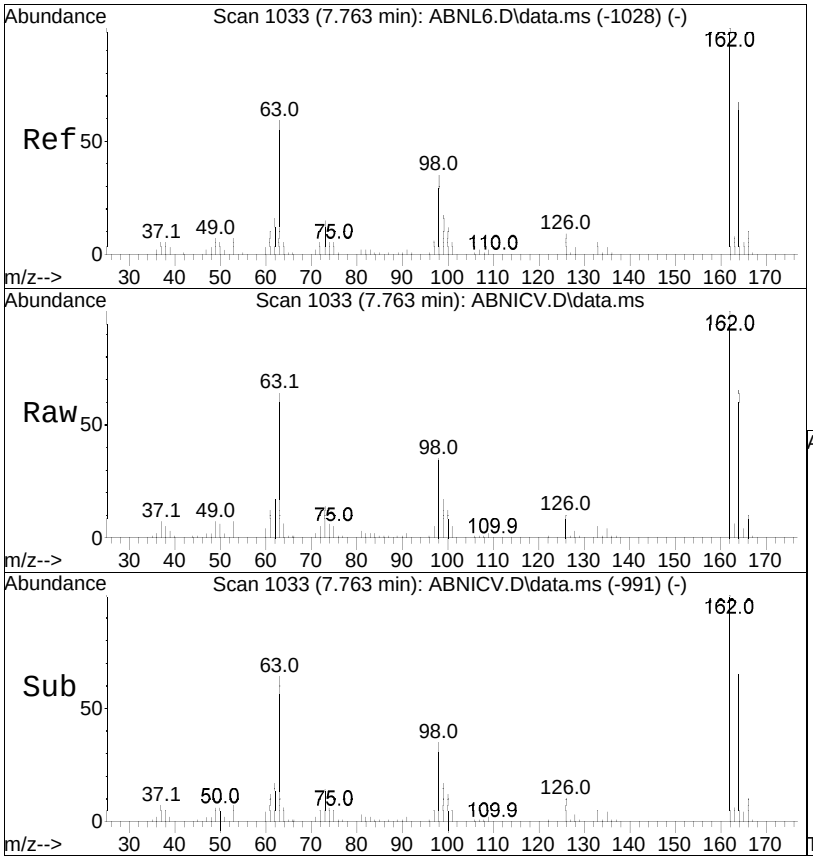


#24
Bis(2-chloroethoxy)methane
Concen: 4.70 ug/ml
RT: 7.692 min Scan# 1021
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 93 Resp: 66268

Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.8	38.8
123	12.0	10.1	15.1

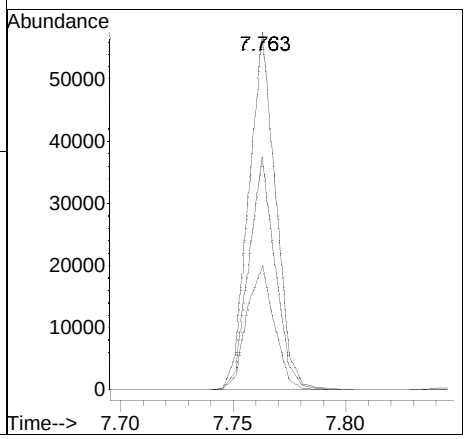


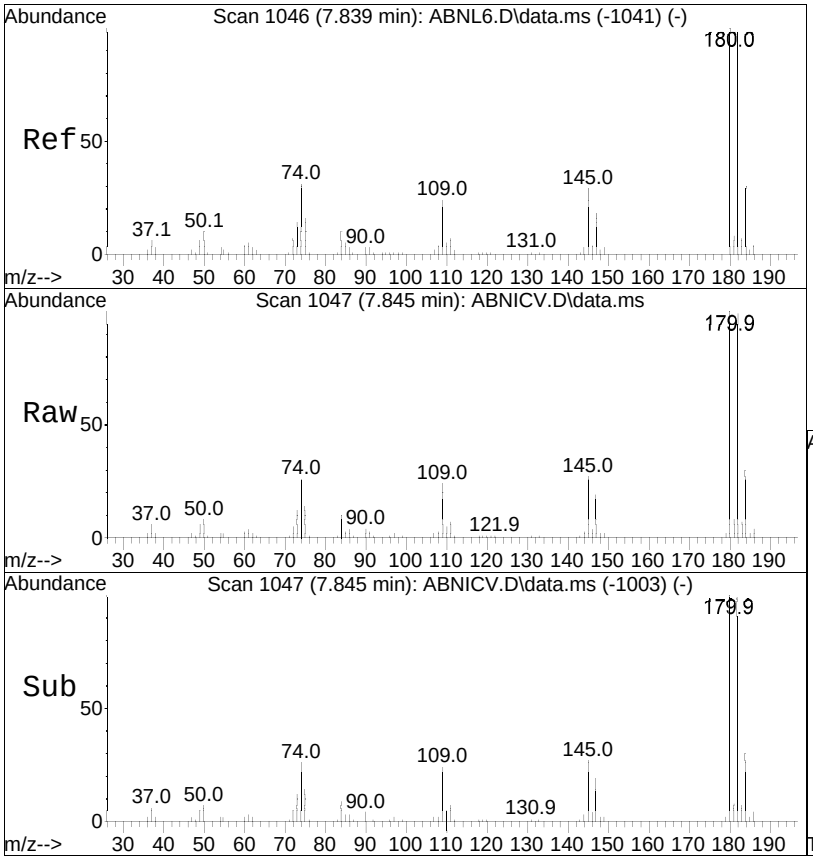


#25
2,4-Dichlorophenol
Concen: 4.86 ug/ml
RT: 7.763 min Scan# 1033
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:162 Resp: 47496

Ion	Ratio	Lower	Upper
162	100		
164	63.6	51.0	76.4
98	35.5	32.2	48.2

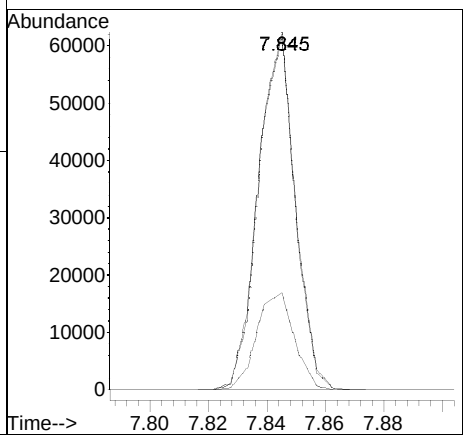


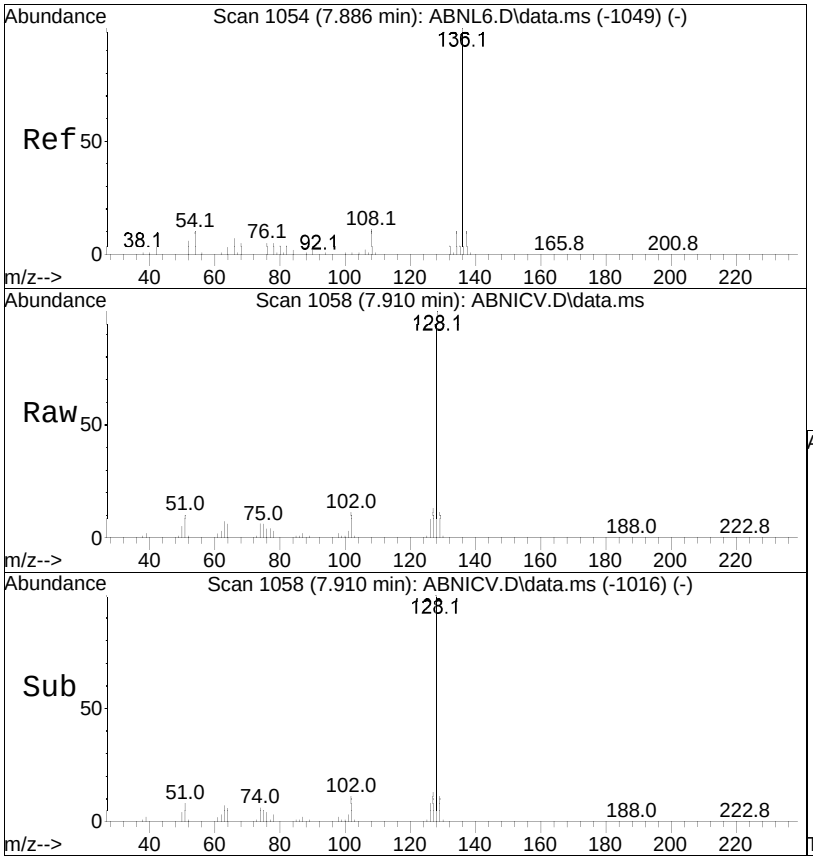


#26
1,2,4-Trichlorobenzene
Concen: 4.52 ug/ml
RT: 7.845 min Scan# 1047
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:180 Resp: 54145

Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.0	114.0
145	28.0	25.7	38.5

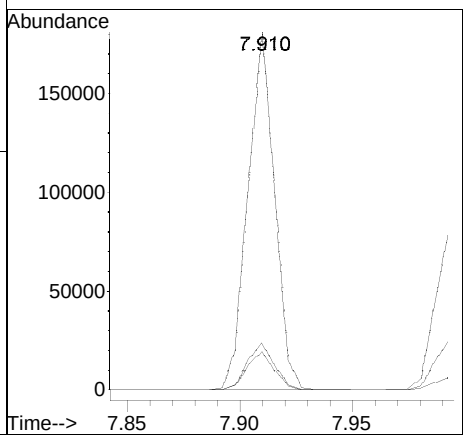


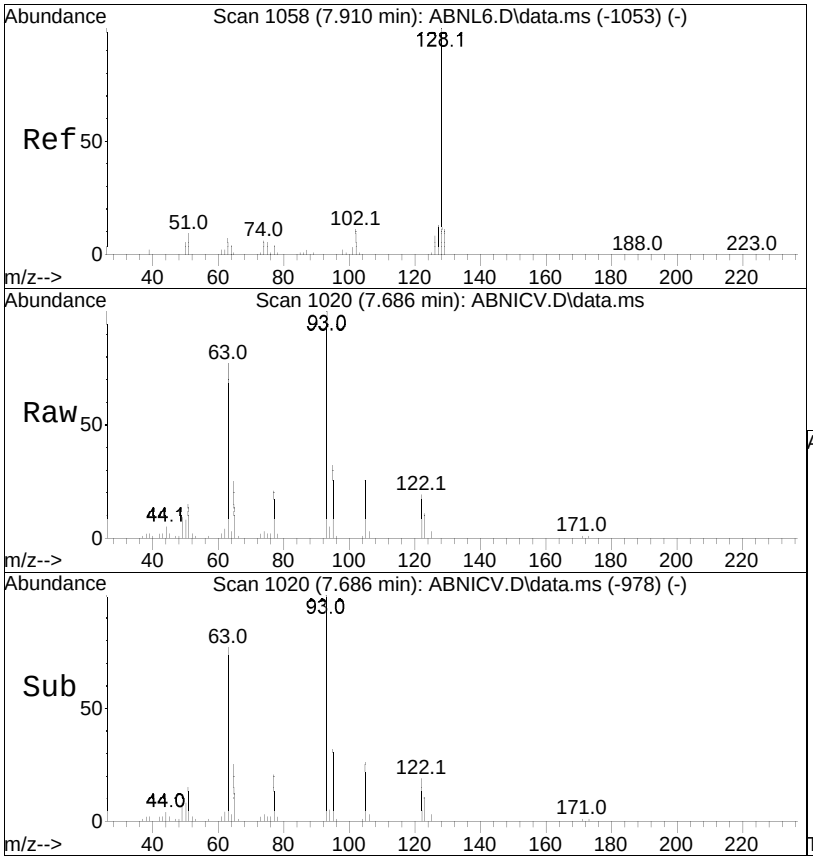


#36
Naphthalene
Concen: 4.43 ug/ml
RT: 7.910 min Scan# 1058
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:128 Resp: 148264

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.4	10.3	15.5

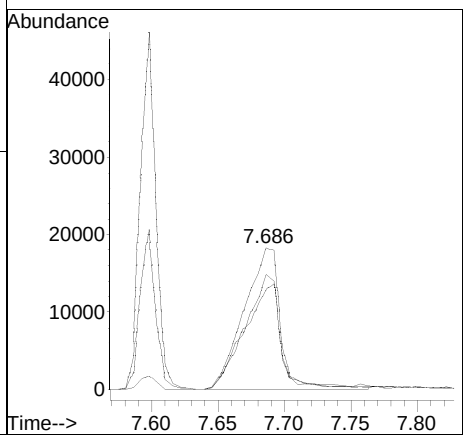


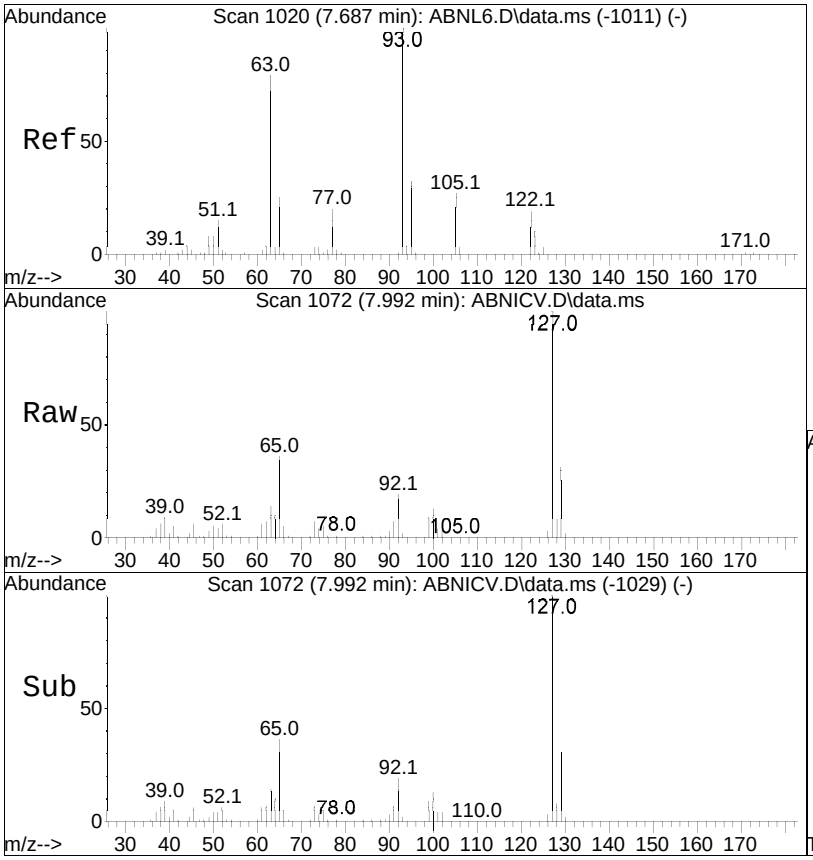


#37
Benzoic Acid
Concen: 4.41 ug/ml
RT: 7.686 min Scan# 1020
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:105 Resp: 35144

Ion	Ratio	Lower	Upper
105	100		
122	74.1	59.9	89.9
77	78.4	60.1	90.1

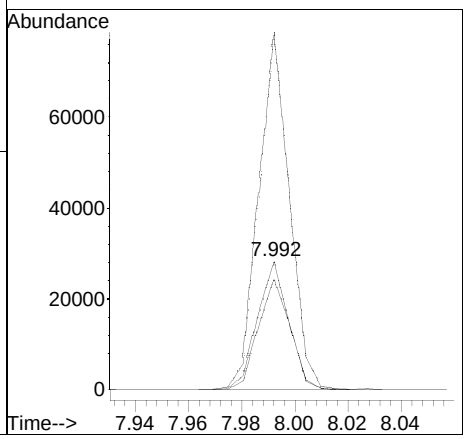


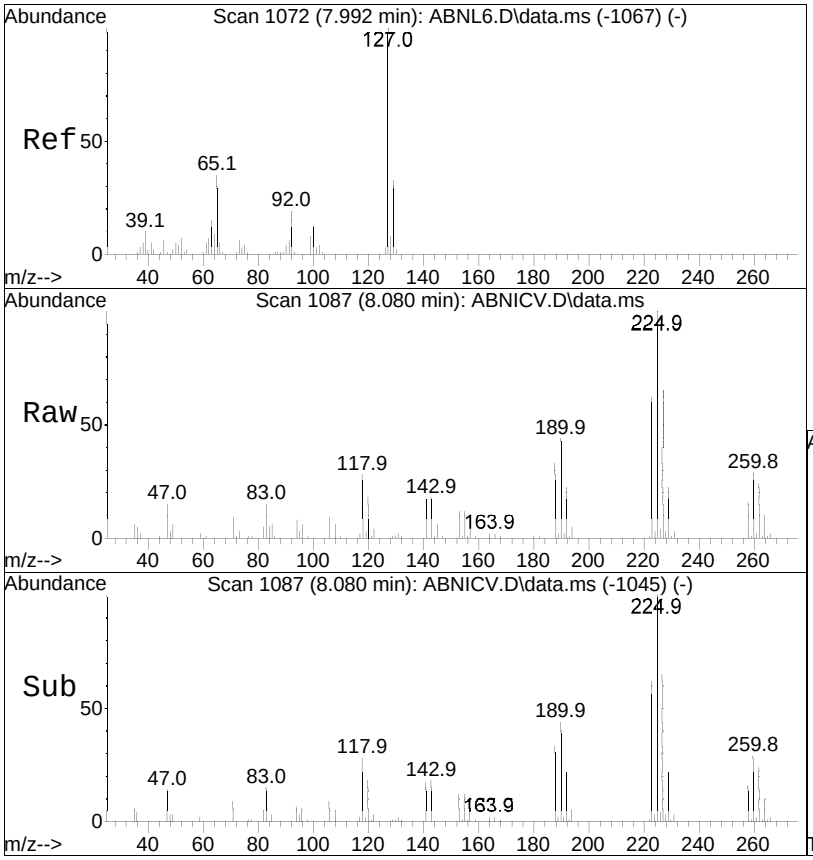


#38
4-Chloroaniline
Concen: 4.65 ug/ml
RT: 7.992 min Scan# 1072
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 65 Resp: 22958

Ion	Ratio	Lower	Upper
65	100		
127	272.3	237.6	356.4
129	87.3	76.3	114.5

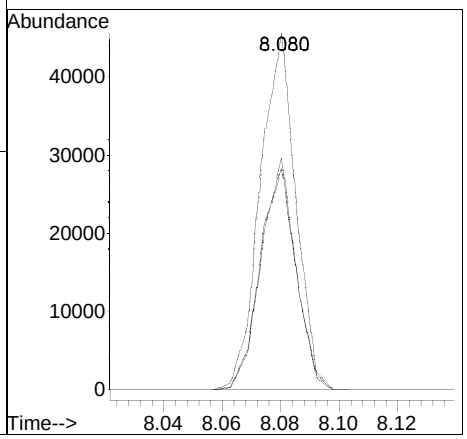


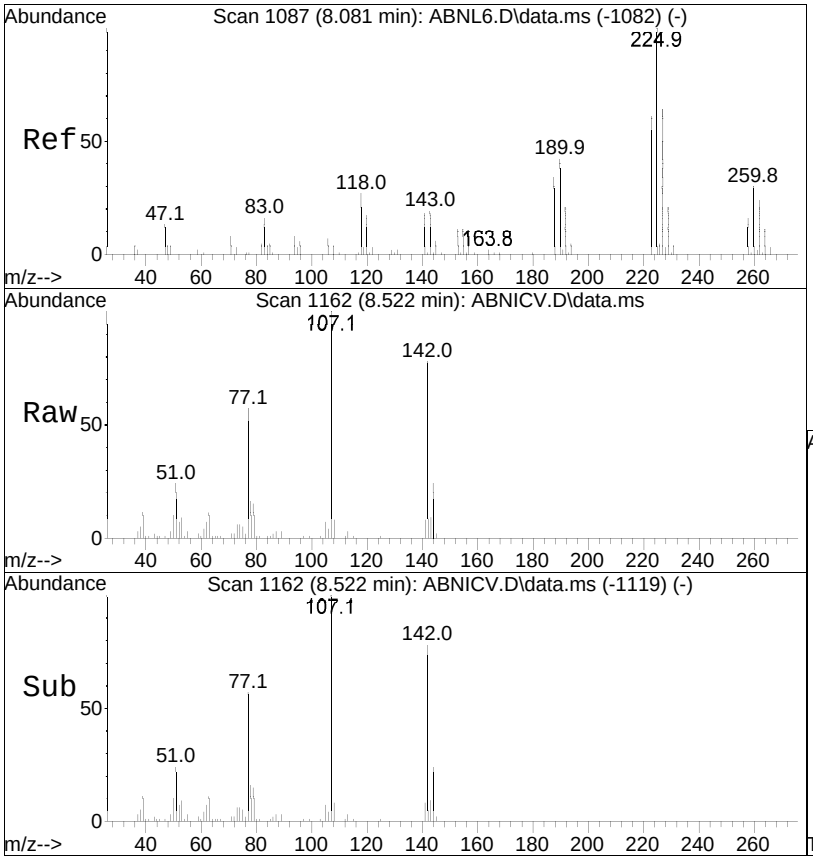


#39
Hexachlorobutadiene
Concen: 4.35 ug/ml
RT: 8.080 min Scan# 1087
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:225 Resp: 38426

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.3	75.5
227	63.2	52.2	78.2

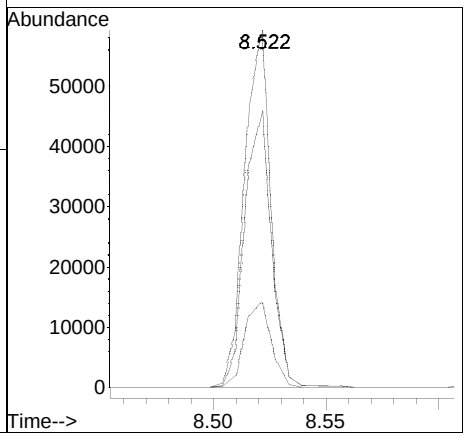


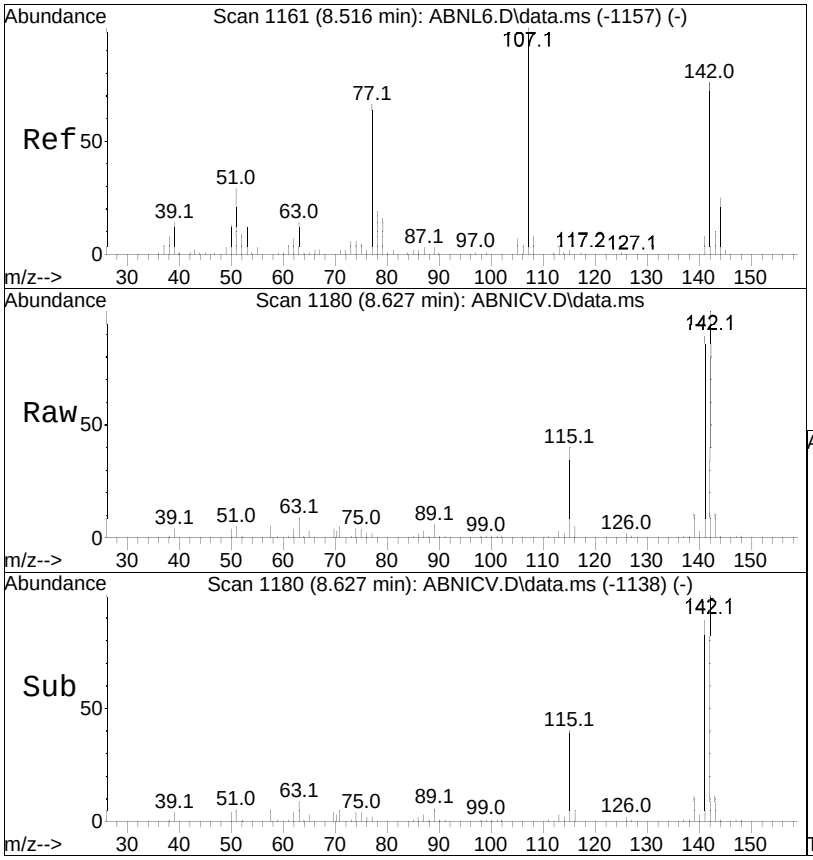


#40
p-Chloro-m-cresol
Concen: 4.77 ug/ml
RT: 8.522 min Scan# 1162
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:107 Resp: 47677

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.9	31.3
142	78.9	66.1	99.1

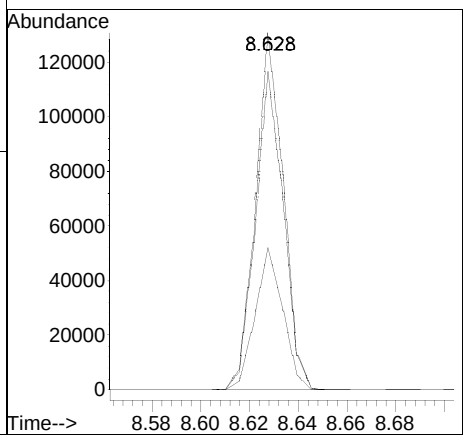


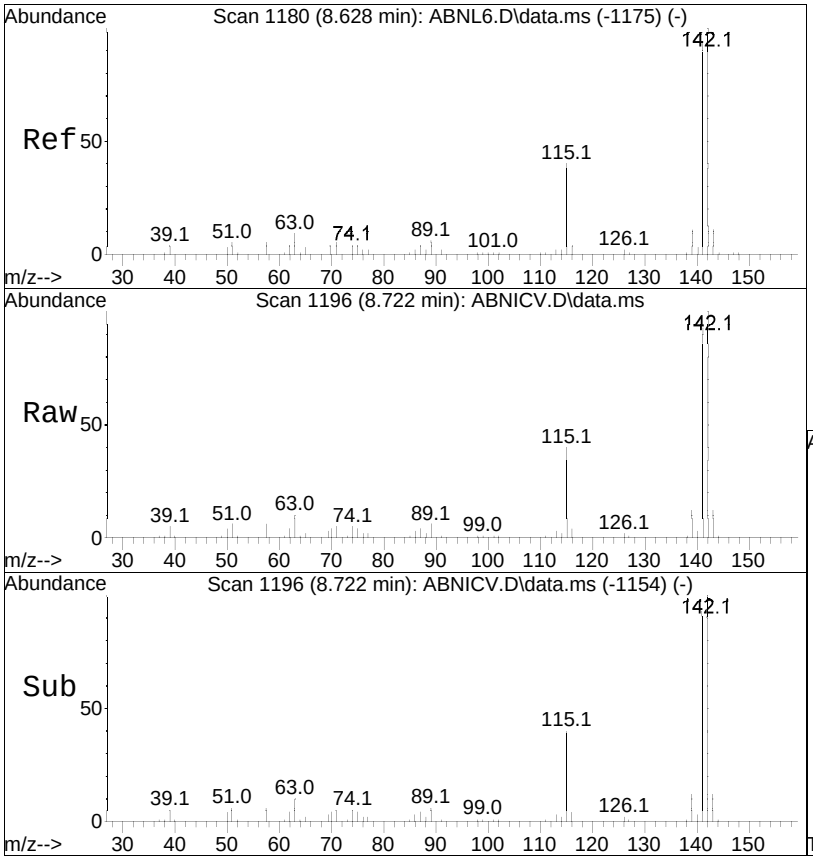


#41
2-Methylnaphthalene
Concen: 4.62 ug/ml
RT: 8.627 min Scan# 1180
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:142 Resp: 102902

Ion	Ratio	Lower	Upper
142	100		
141	89.9	69.6	104.4
115	39.9	26.6	40.0

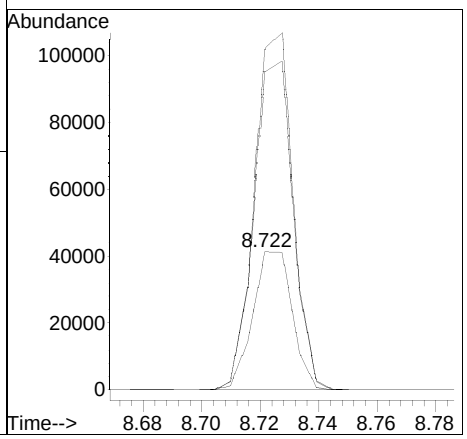


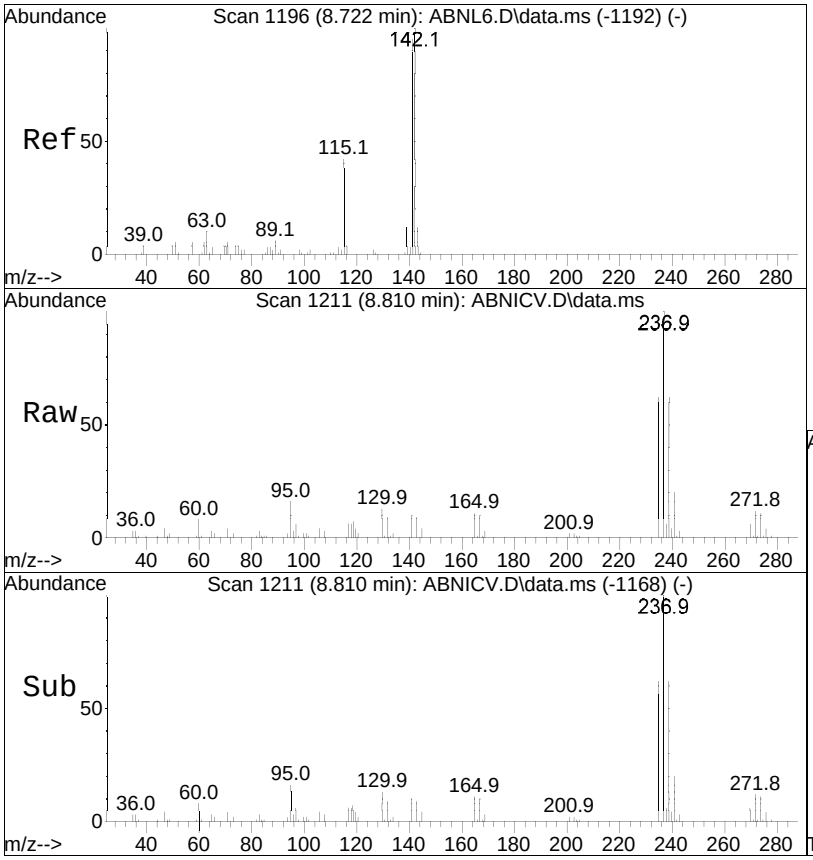


#42
1-Methylnaphthalene
Concen: 4.61 ug/ml
RT: 8.722 min Scan# 1196
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:115 Resp: 38995

Ion	Ratio	Lower	Upper
115	100		
141	233.9	207.8	311.6
142	250.3	226.8	340.2

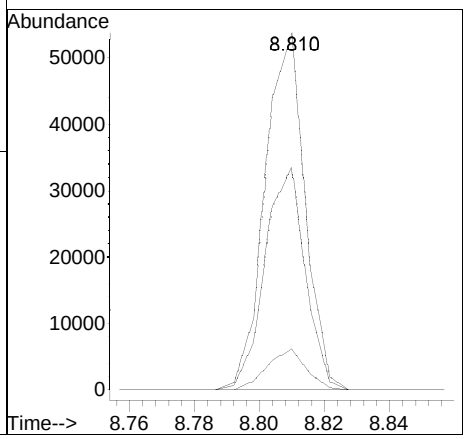


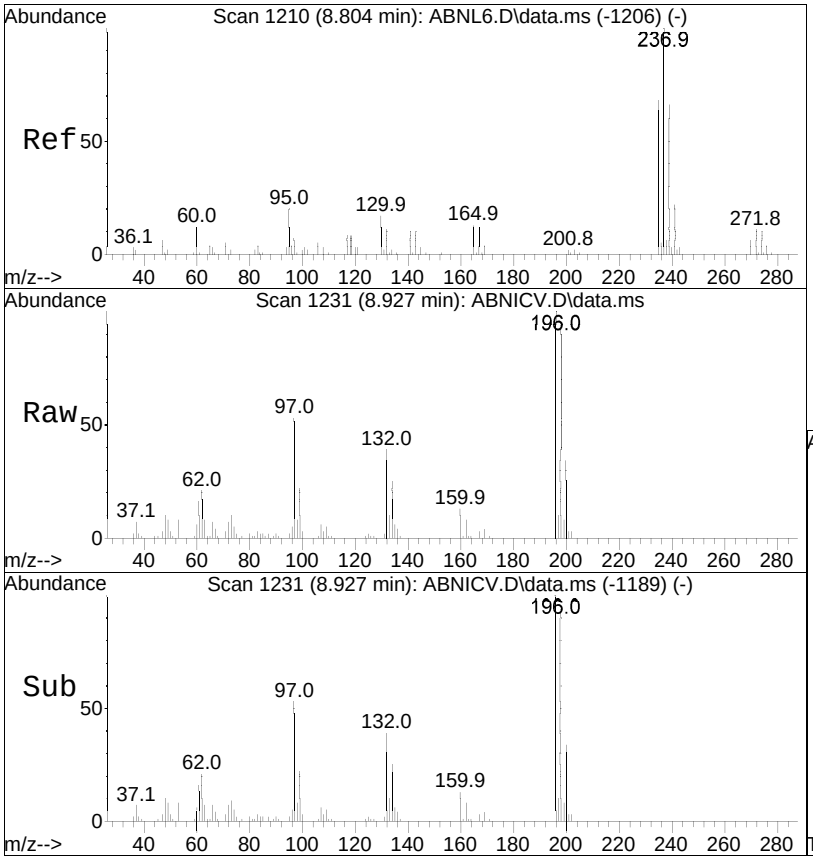


#43
Hexachlorocyclopentadiene
Concen: 4.66 ug/ml
RT: 8.810 min Scan# 1211
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:237 Resp: 45649

Ion	Ratio	Lower	Upper
237	100		
235	63.1	49.7	74.5
272	11.3	9.8	14.6

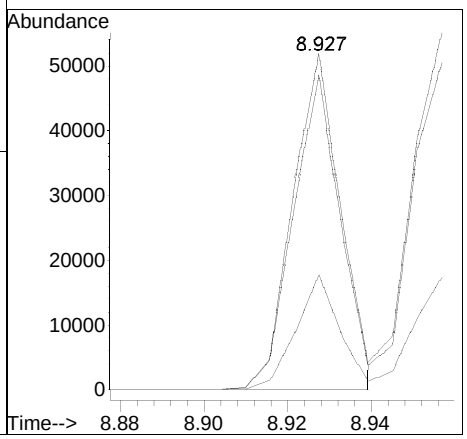


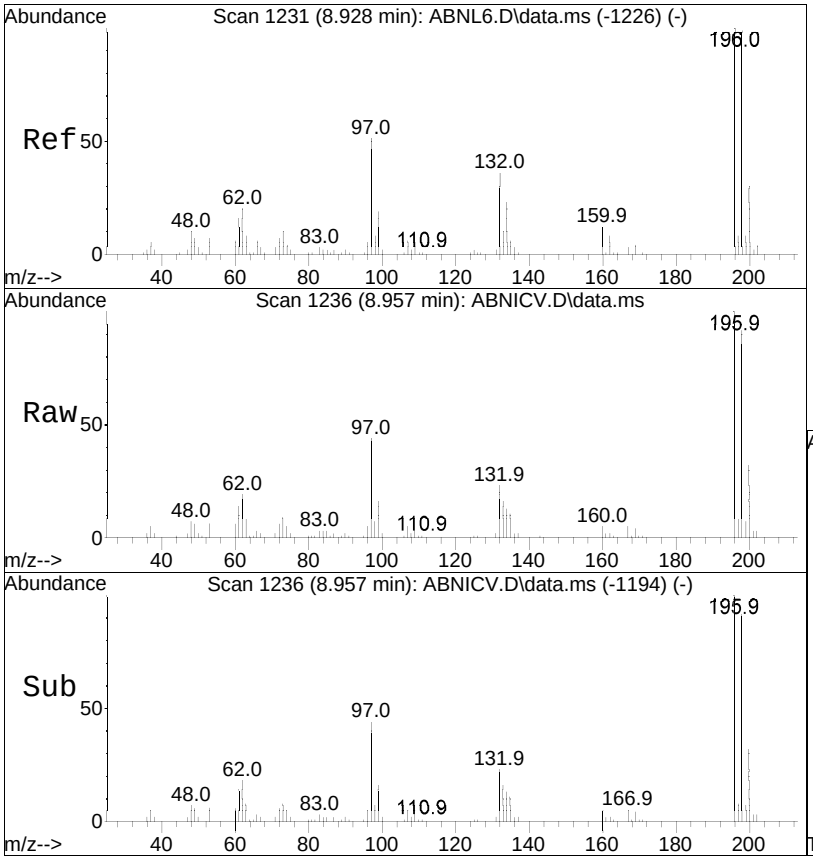


#44
2,4,6-Trichlorophenol
Concen: 4.73 ug/ml
RT: 8.927 min Scan# 1231
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:196 Resp: 41492

Ion	Ratio	Lower	Upper
196	100		
198	92.6	77.5	116.3
200	31.3	23.8	35.6

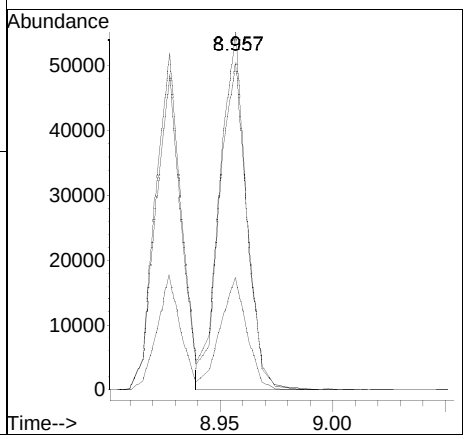


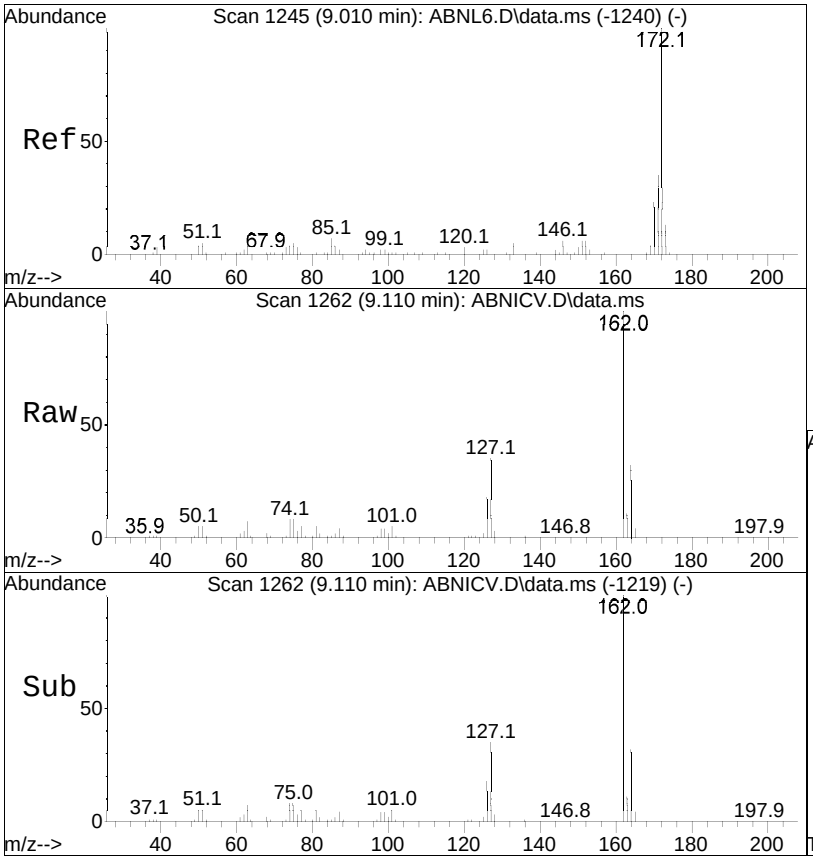


#45
2,4,5-Trichlorophenol
Concen: 4.82 ug/ml
RT: 8.957 min Scan# 1236
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:196 Resp: 45219

Ion	Ratio	Lower	Upper
196	100		
200	31.7	25.4	38.0
198	95.0	78.0	117.0

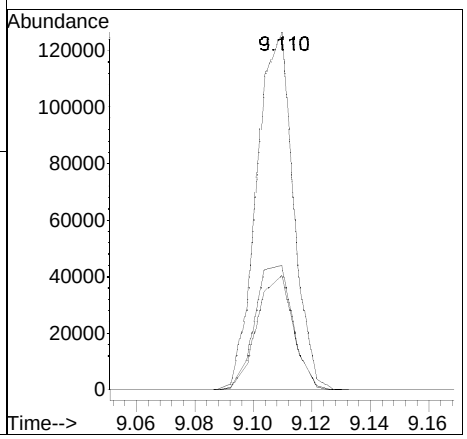


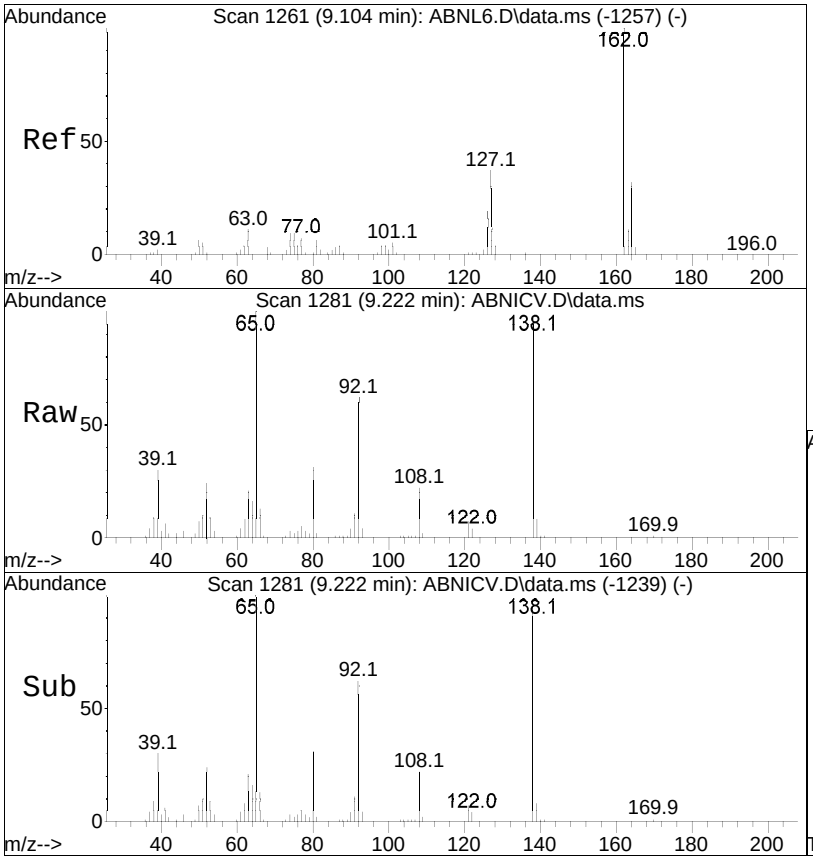


#47
2-Chloronaphthalene
Concen: 4.61 ug/ml
RT: 9.110 min Scan# 1262
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:162 Resp: 109202

Ion	Ratio	Lower	Upper
162	100		
127	36.4	32.2	48.4
164	32.2	25.7	38.5

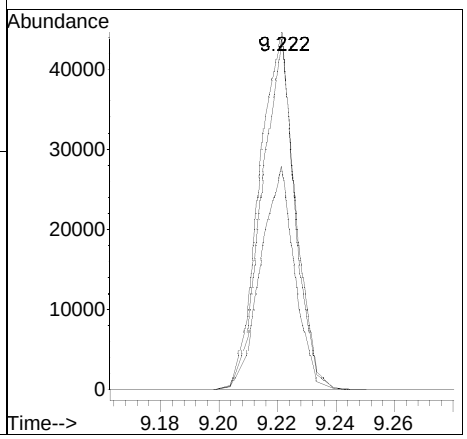


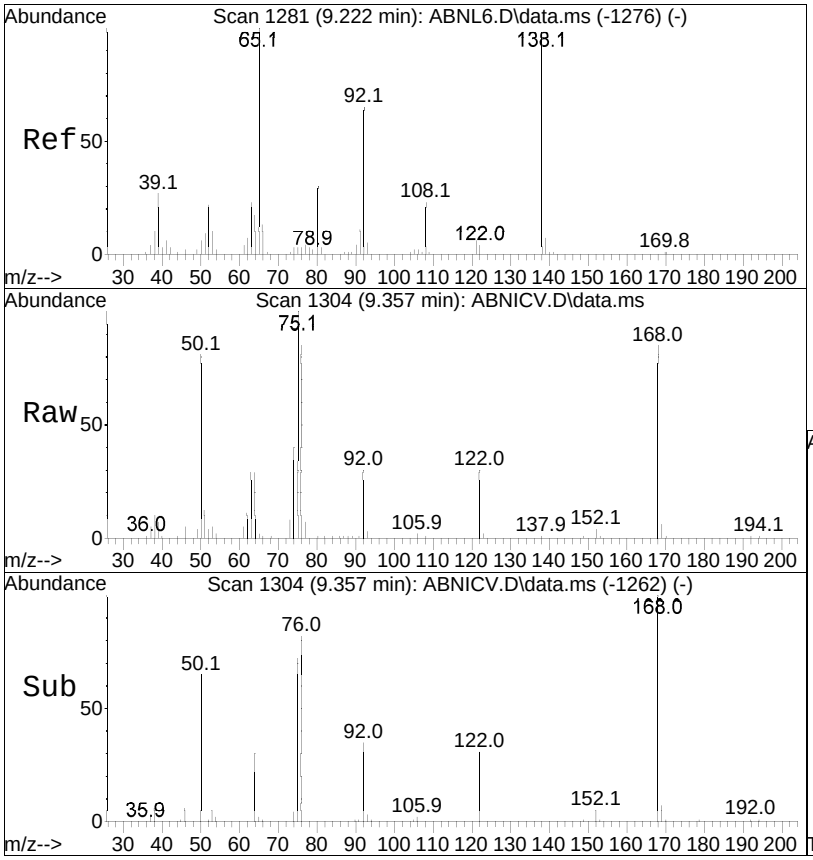


#48
2-Nitroaniline
Concen: 4.88 ug/ml
RT: 9.222 min Scan# 1281
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 34832

Ion	Ratio	Lower	Upper
138	100		
92	64.4	53.5	80.3
65	106.6	86.3	129.5

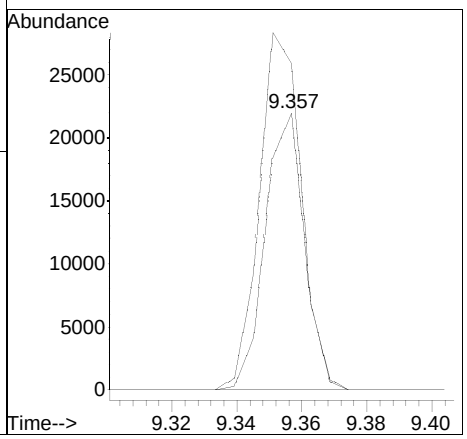


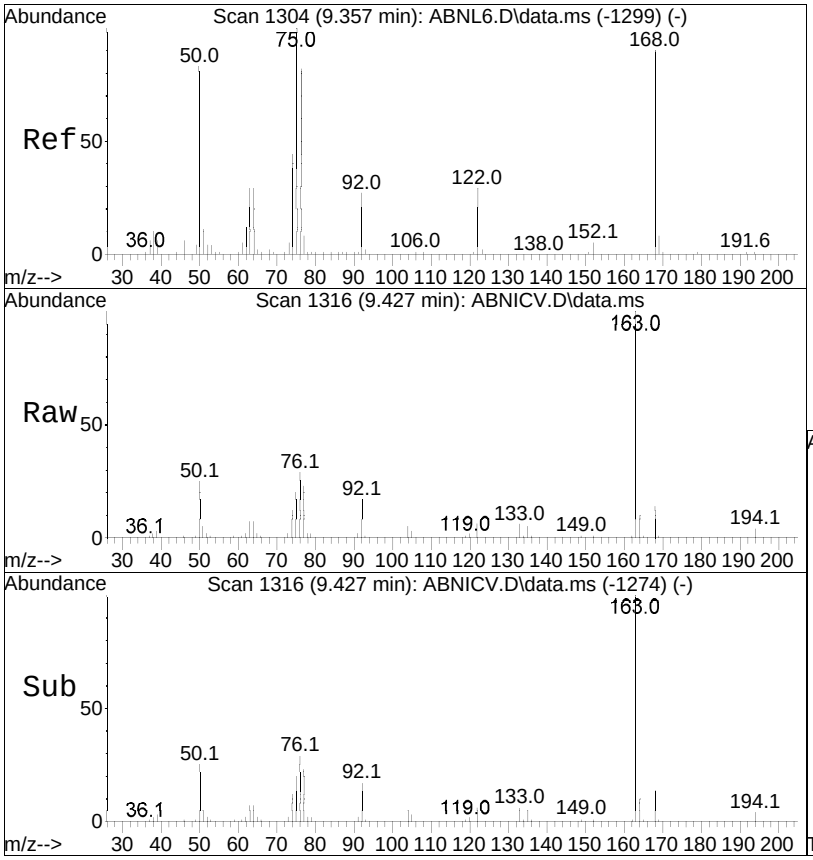


#49
1,4-Dinitrobenzene
Concen: 4.90 ug/ml
RT: 9.357 min Scan# 1304
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 18421

Ion	Ratio	Lower	Upper
168	100		
75	137.4	121.8	182.8

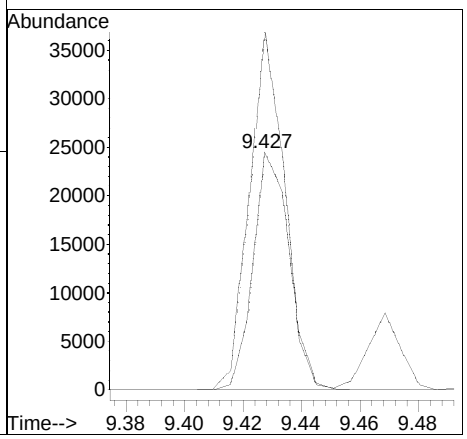


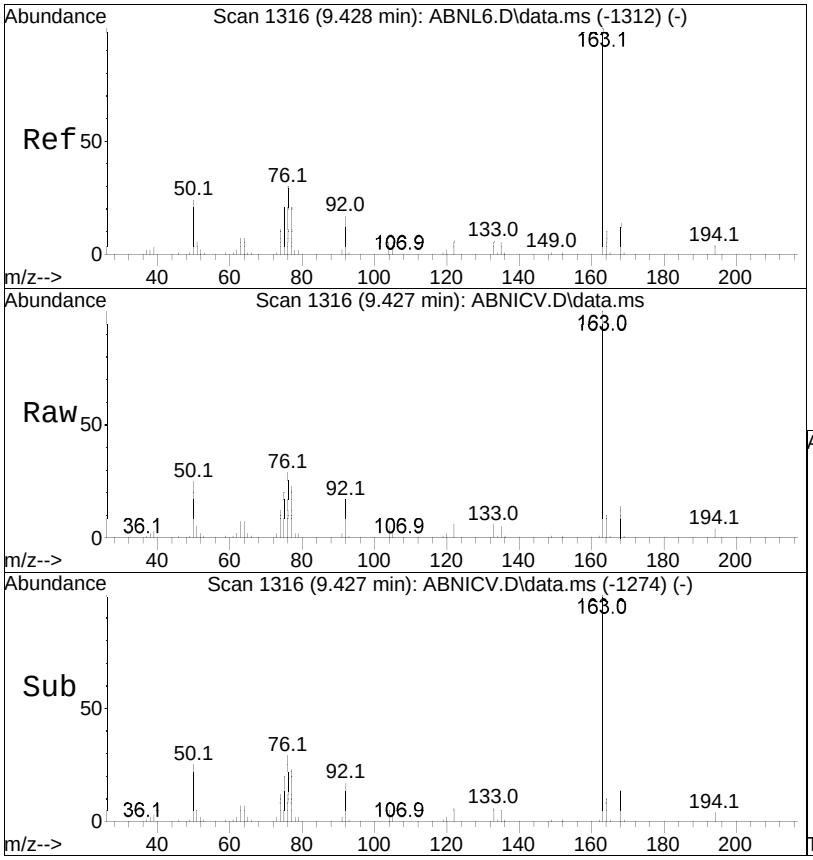


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 9.427 min Scan# 1316
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 20889

Ion	Ratio	Lower	Upper
168	100		
75	146.4	22.7	34.1#

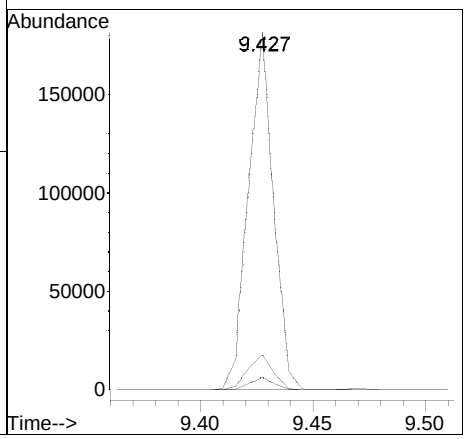


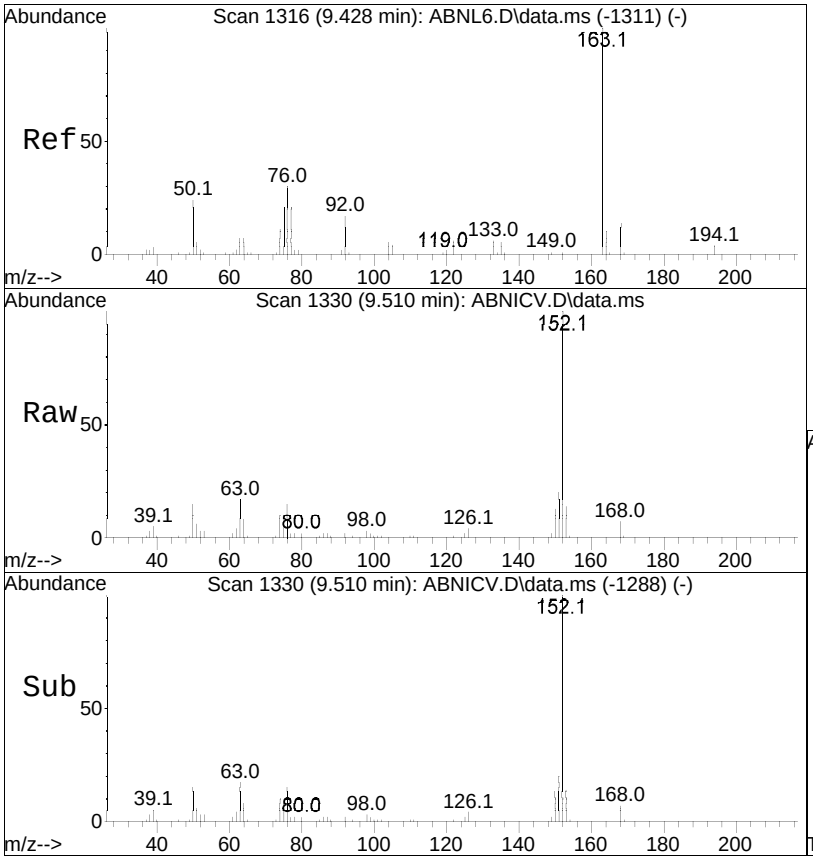


#51
Dimethyl phthalate
Concen: 4.81 ug/ml
RT: 9.427 min Scan# 1316
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:163 Resp: 138787

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.1	7.9	11.9

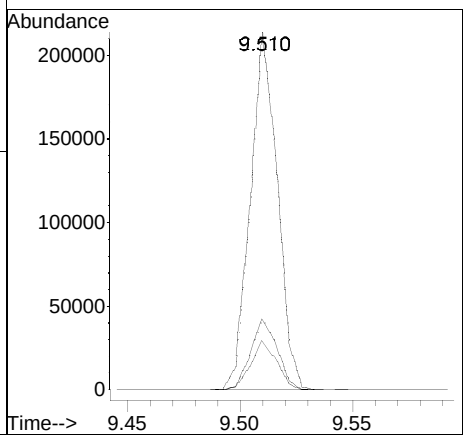


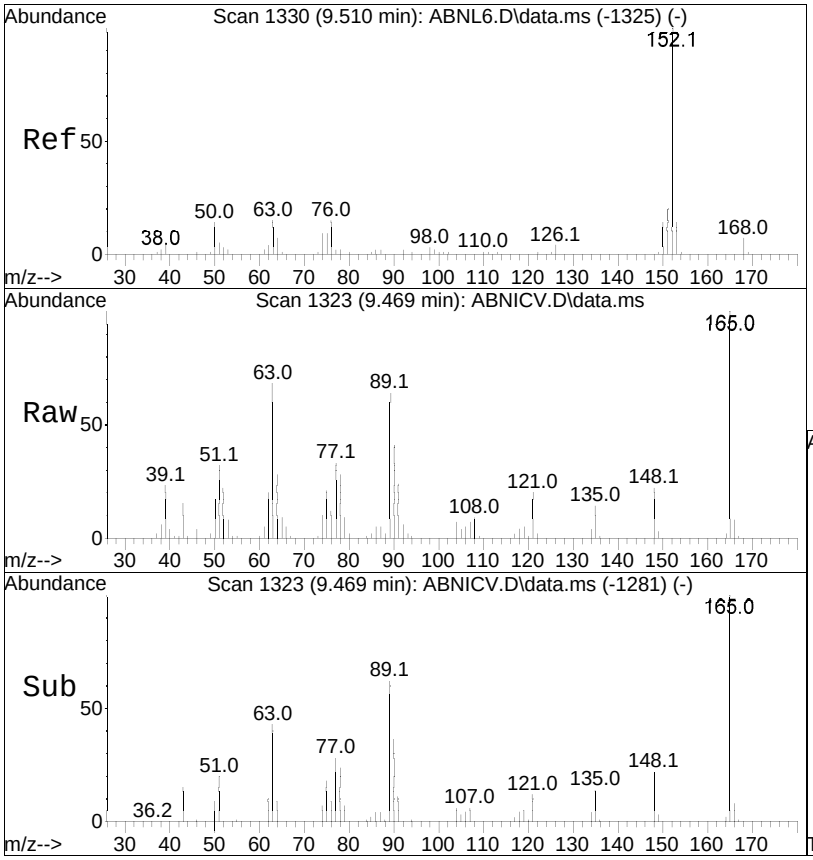


#52
Acenaphthylene
Concen: 4.86 ug/ml
RT: 9.510 min Scan# 1330
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:152 Resp: 176343

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.5	15.7

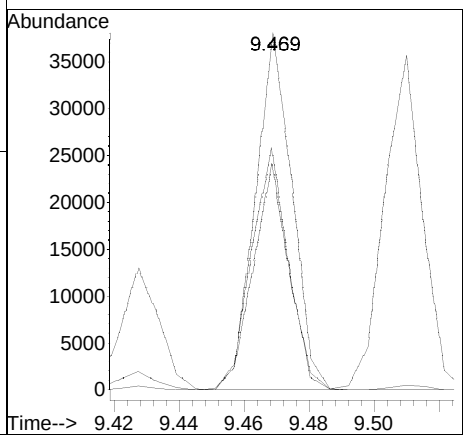


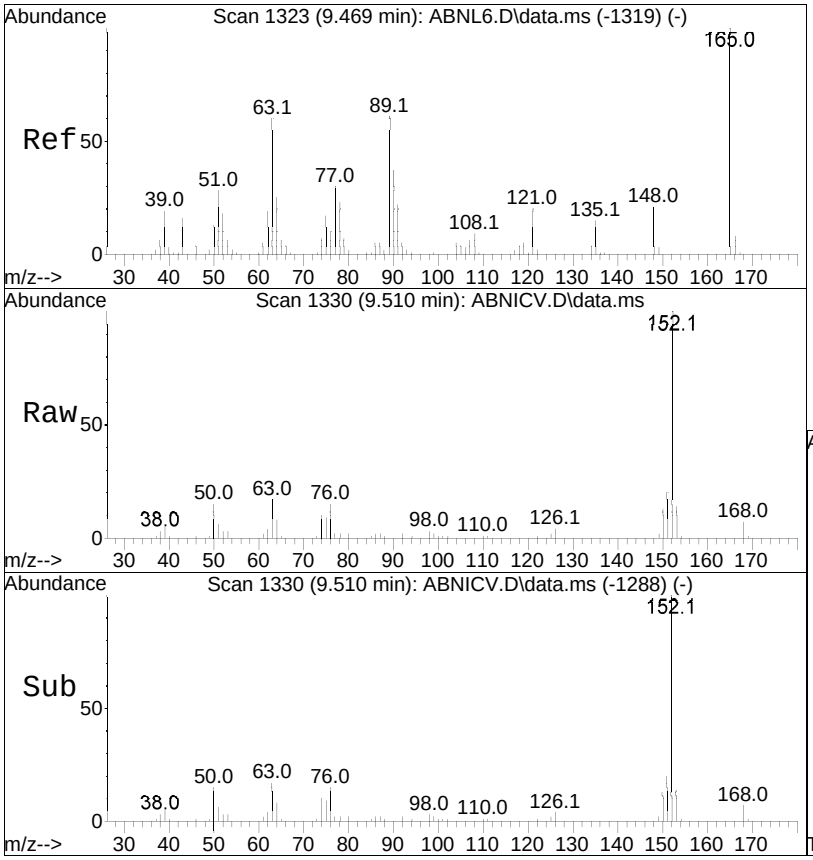


#53
2,6-Dinitrotoluene
Concen: 4.82 ug/ml
RT: 9.469 min Scan# 1323
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:165 Resp: 29955

Ion	Ratio	Lower	Upper
165	100		
89	62.1	54.2	81.2
63	67.4	64.2	96.2

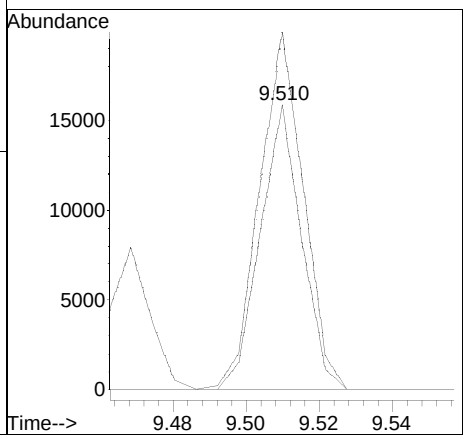


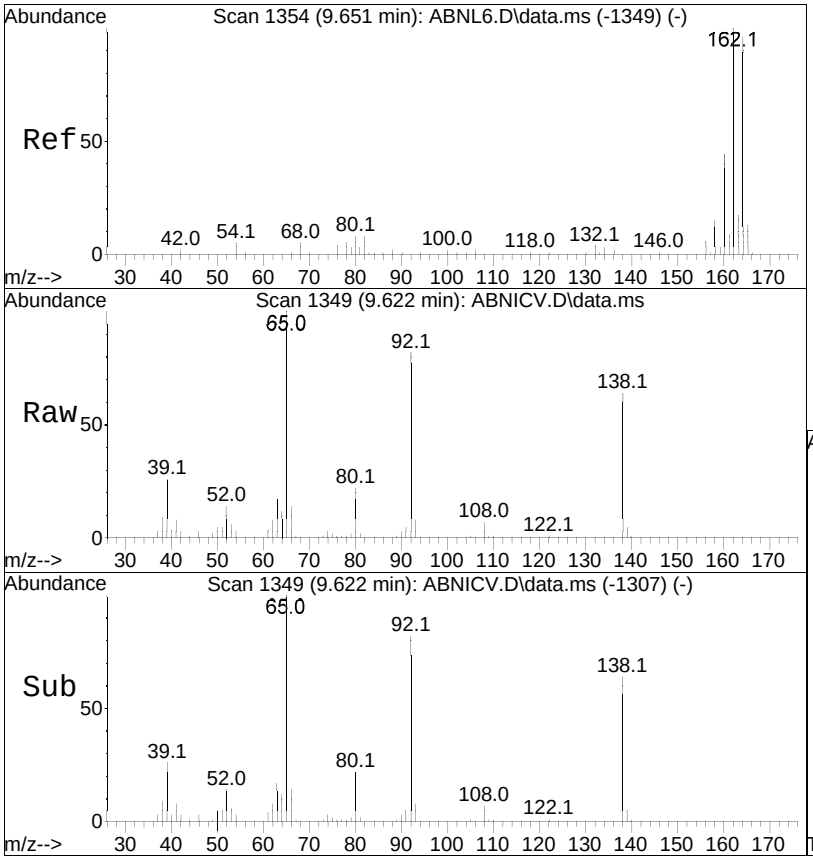


#54
1,2-Dinitrobenzene
Concen: 4.67 ug/ml
RT: 9.510 min Scan# 1330
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 12362

Ion	Ratio	Lower	Upper
168	100		
75	133.3	30.9	46.3#

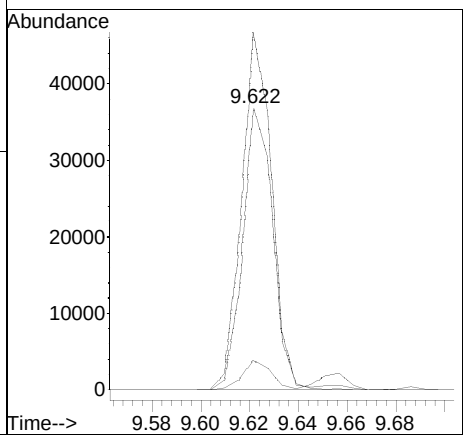


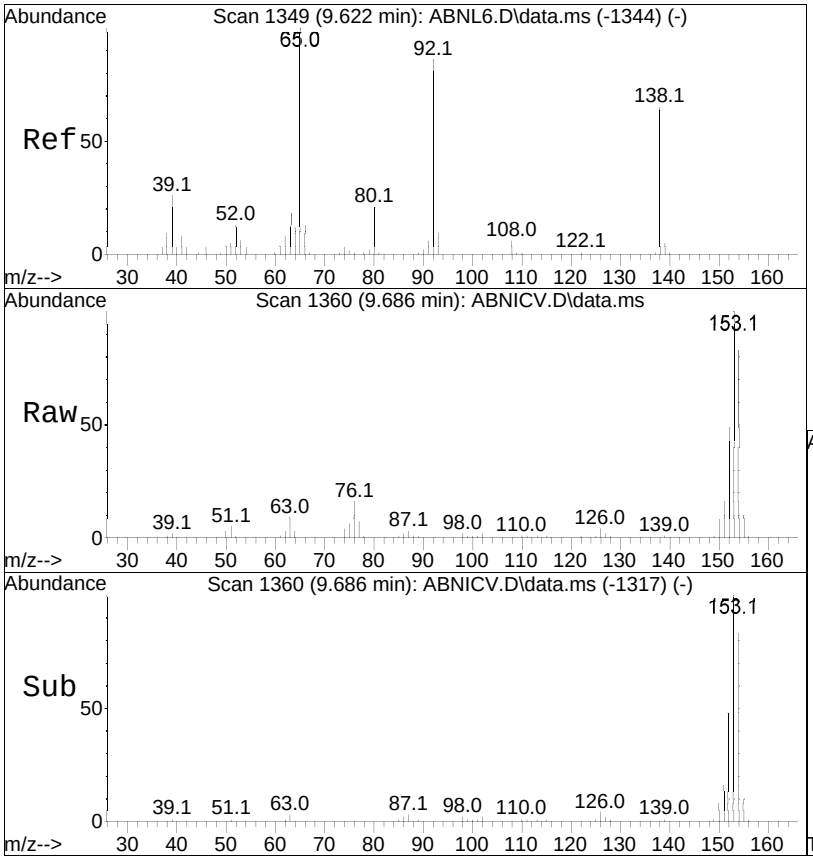


#64
3-Nitroaniline
Concen: 5.14 ug/ml
RT: 9.622 min Scan# 1349
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 31209

Ion	Ratio	Lower	Upper
138	100		
92	126.5	93.4	140.2
108	10.3	9.5	14.3

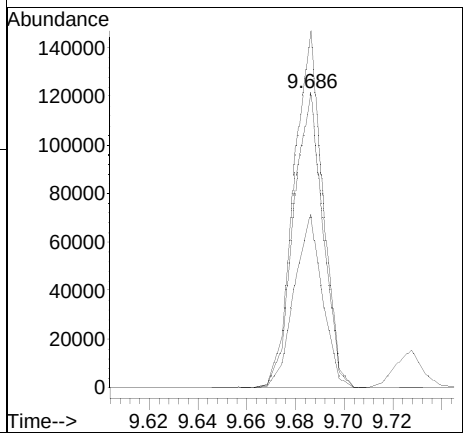


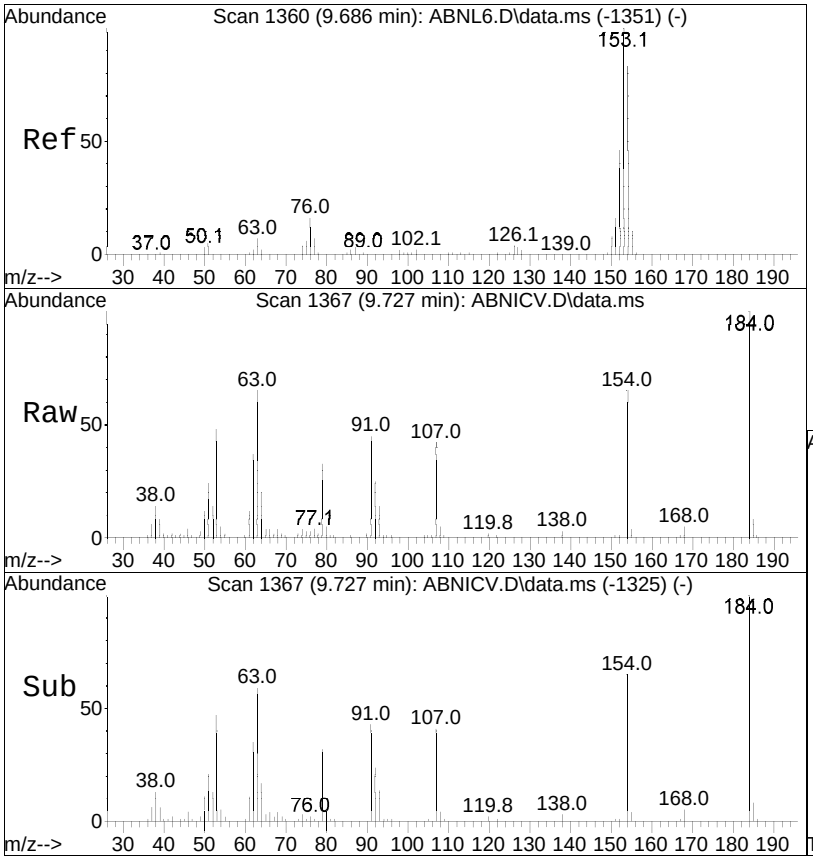


#65
Acenaphthene
Concen: 4.65 ug/ml
RT: 9.686 min Scan# 1360
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:154 Resp: 101856

Ion	Ratio	Lower	Upper
154	100		
153	118.5	85.3	127.9
152	56.5	41.4	62.0

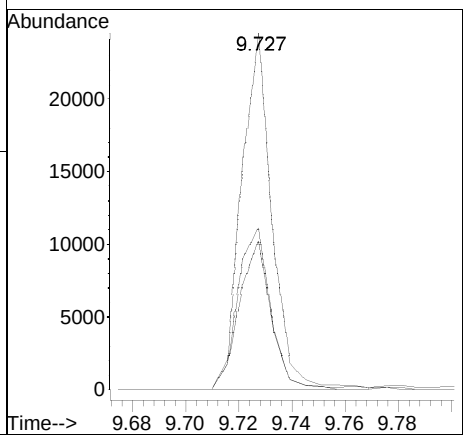


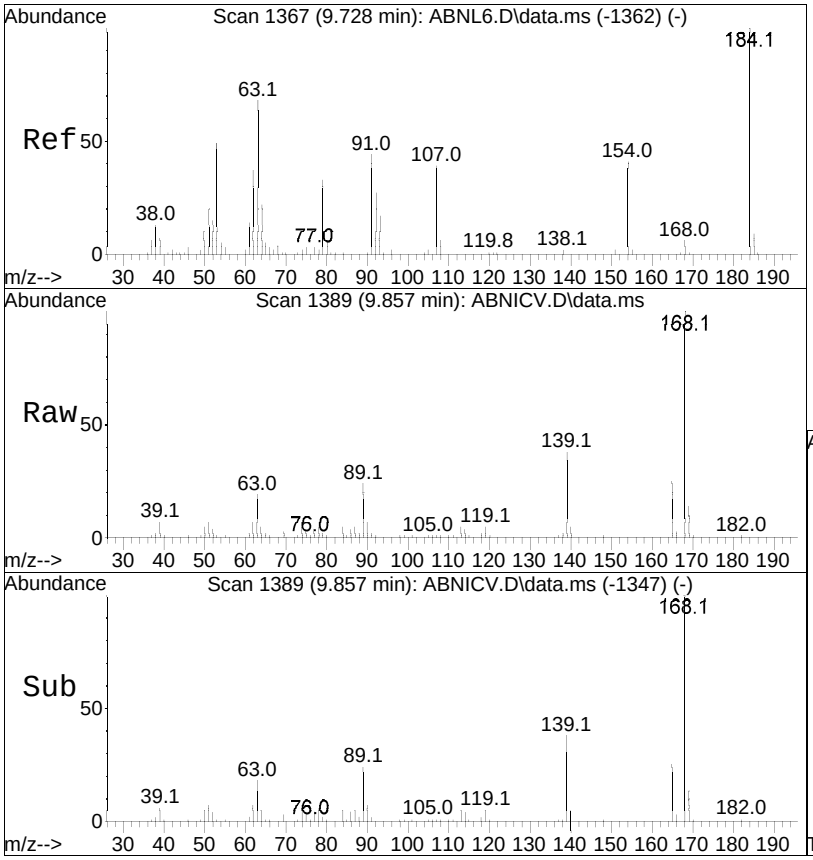


#66
2,4-Dinitrophenol
Concen: 4.79 ug/ml
RT: 9.727 min Scan# 1367
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:184 Resp: 19408

Ion	Ratio	Lower	Upper
184	100		
107	44.0	37.7	56.5
91	49.1	46.3	69.5

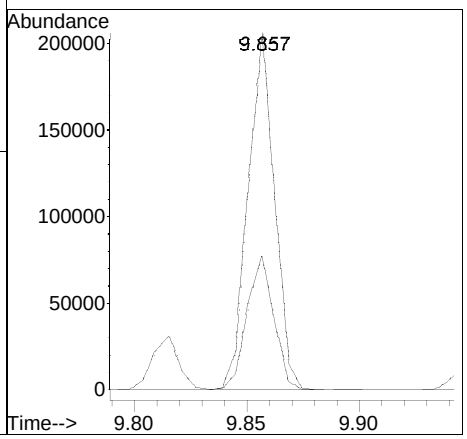


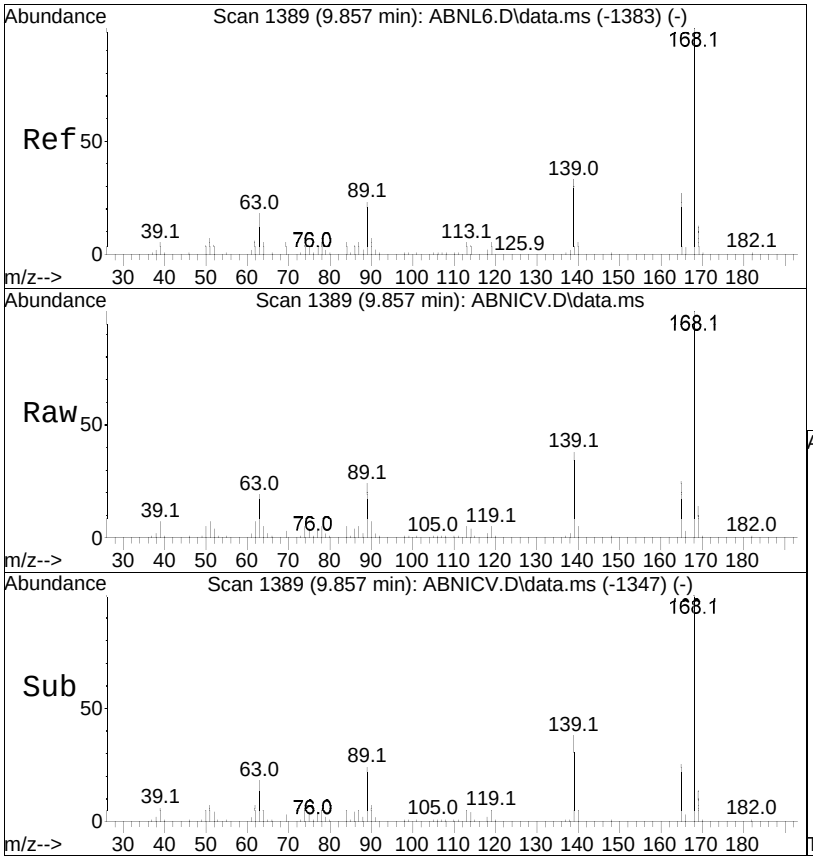


#67
Dibenzofuran
Concen: 4.54 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:168 Resp: 167081

Ion	Ratio	Lower	Upper
168	100		
139	38.2	31.4	47.2

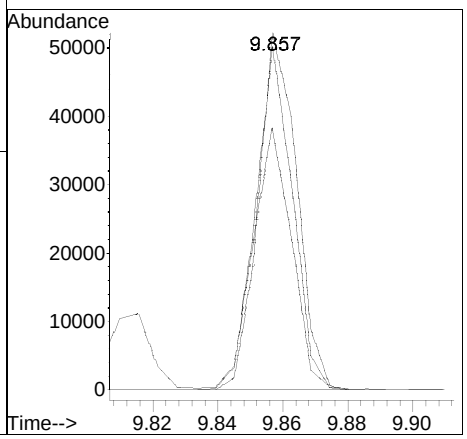


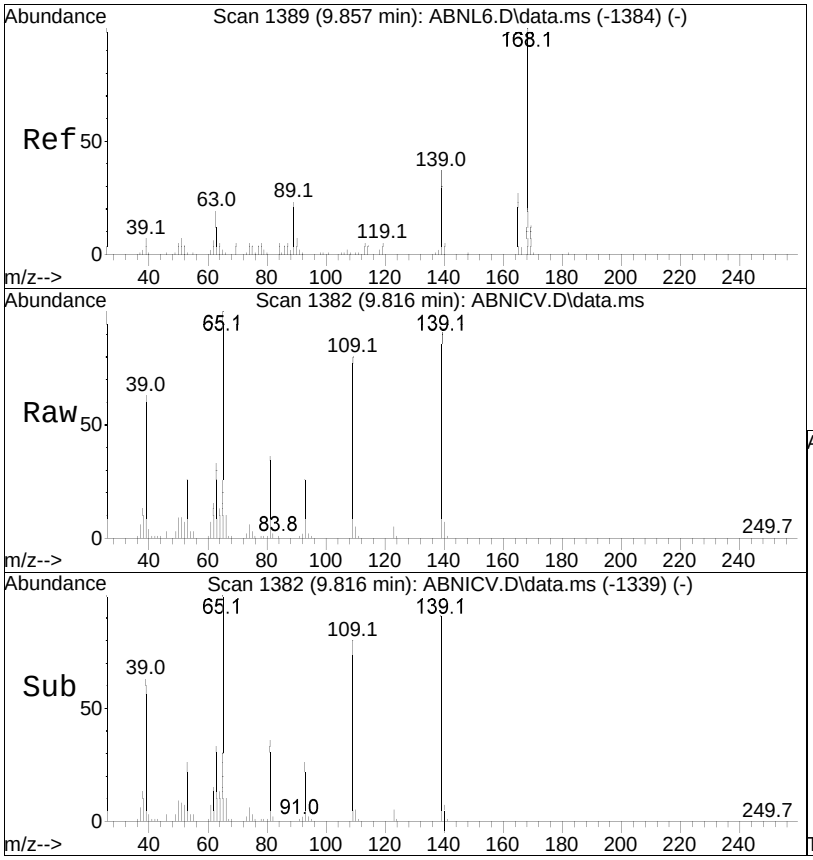


#68
2,4-Dinitrotoluene
Concen: 4.73 ug/ml
RT: 9.857 min Scan# 1389
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:165 Resp: 42694

Ion	Ratio	Lower	Upper
165	100		
89	92.3	72.0	108.0
63	73.8	52.7	79.1

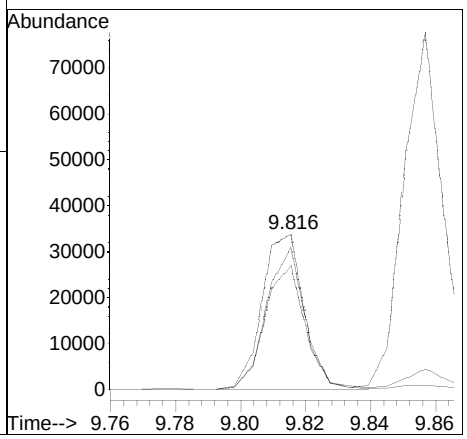


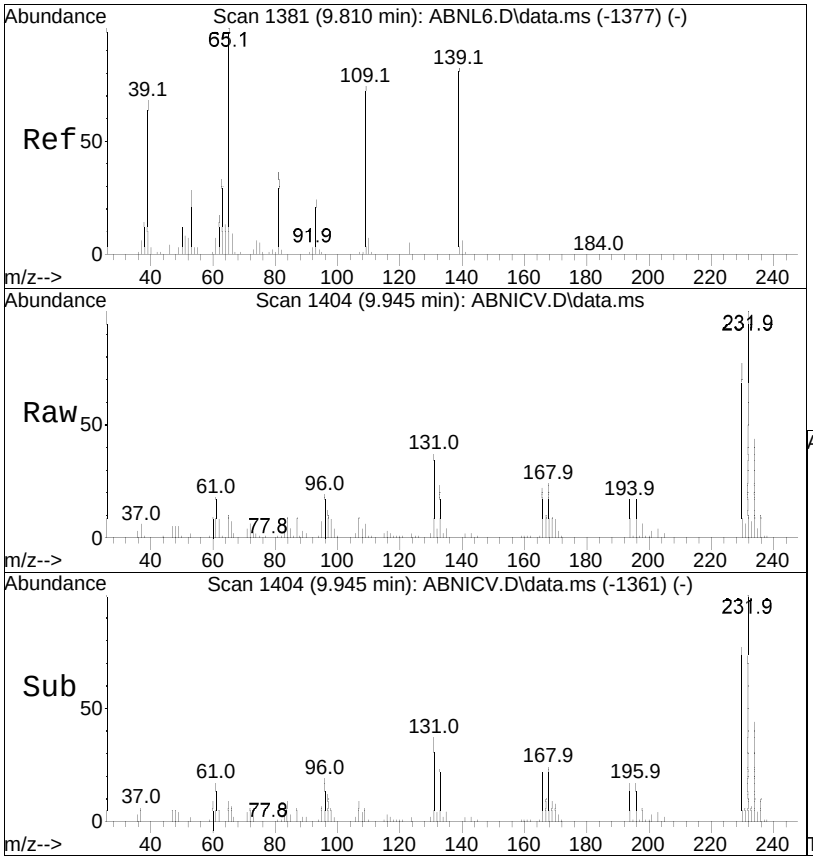


#69
4-Nitrophenol
Concen: 4.94 ug/ml
RT: 9.816 min Scan# 1382
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 65 Resp: 30360

Ion	Ratio	Lower	Upper
65	100		
109	76.3	47.4	71.2#
139	84.1	76.6	115.0

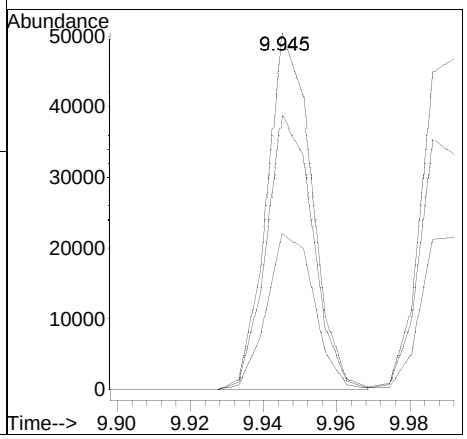


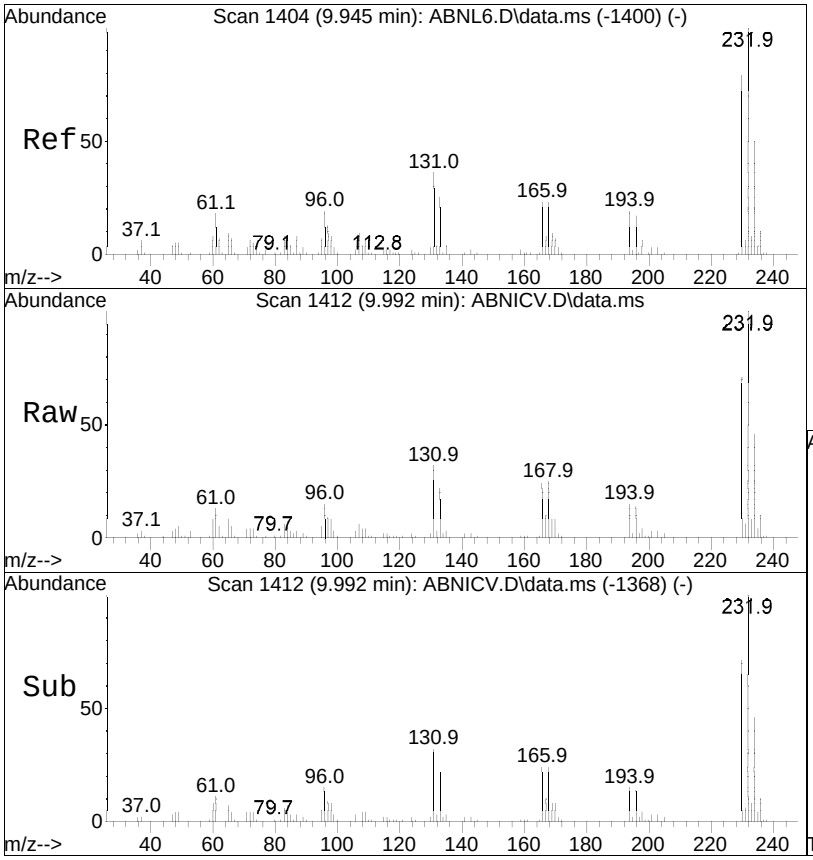


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.04 ug/ml
RT: 9.945 min Scan# 1404
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:232 Resp: 43280

Ion	Ratio	Lower	Upper
232	100		
230	79.5	64.2	96.4
234	46.3	38.1	57.1

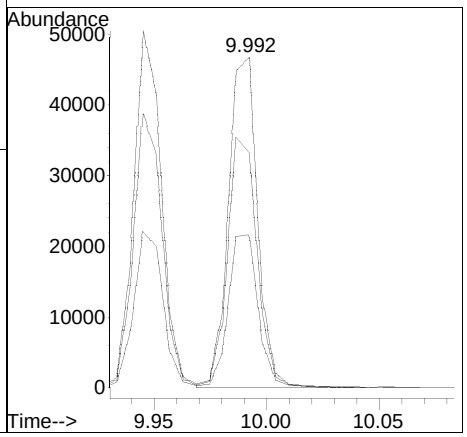


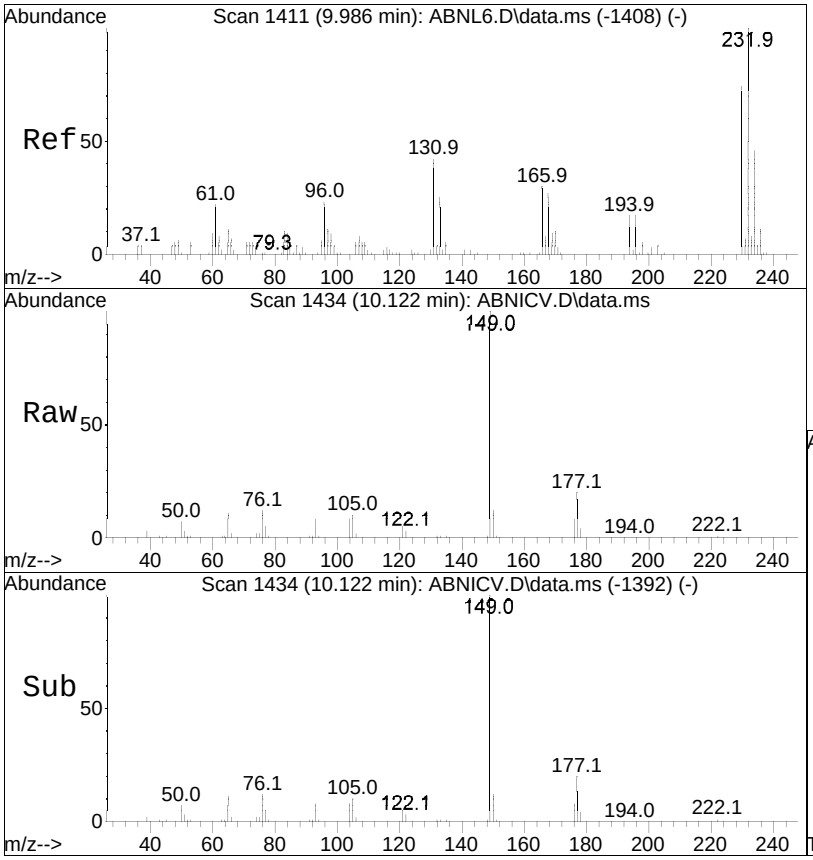


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.13 ug/ml
RT: 9.992 min Scan# 1412
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:232 Resp: 42390

Ion	Ratio	Lower	Upper
232	100		
230	76.6	61.8	92.8
234	47.4	36.2	54.2

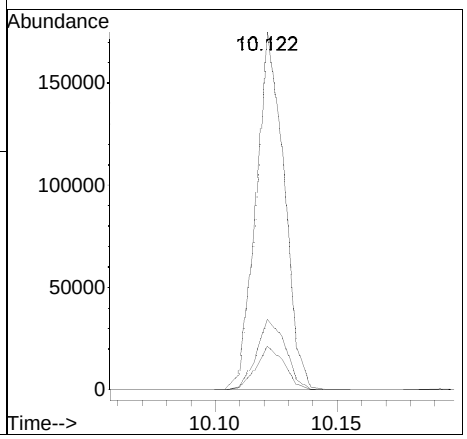


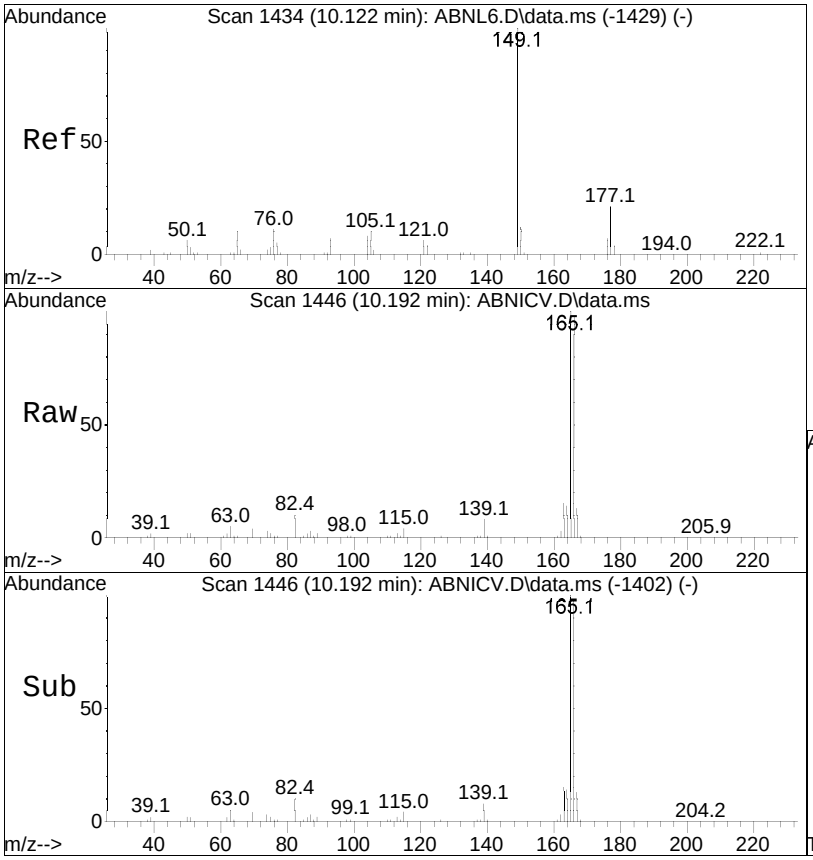


#72
Diethyl phthalate
Concen: 4.76 ug/ml
RT: 10.122 min Scan# 1434
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 138268

Ion	Ratio	Lower	Upper
149	100		
177	20.5	16.1	24.1
150	12.4	9.4	14.2

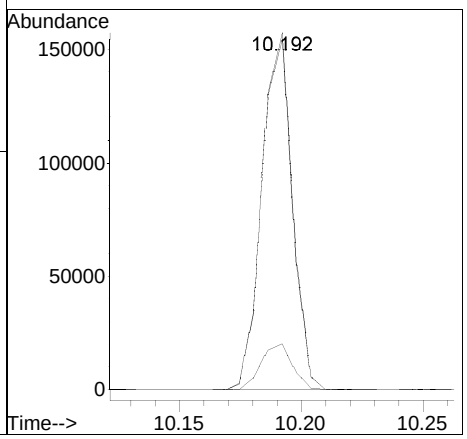


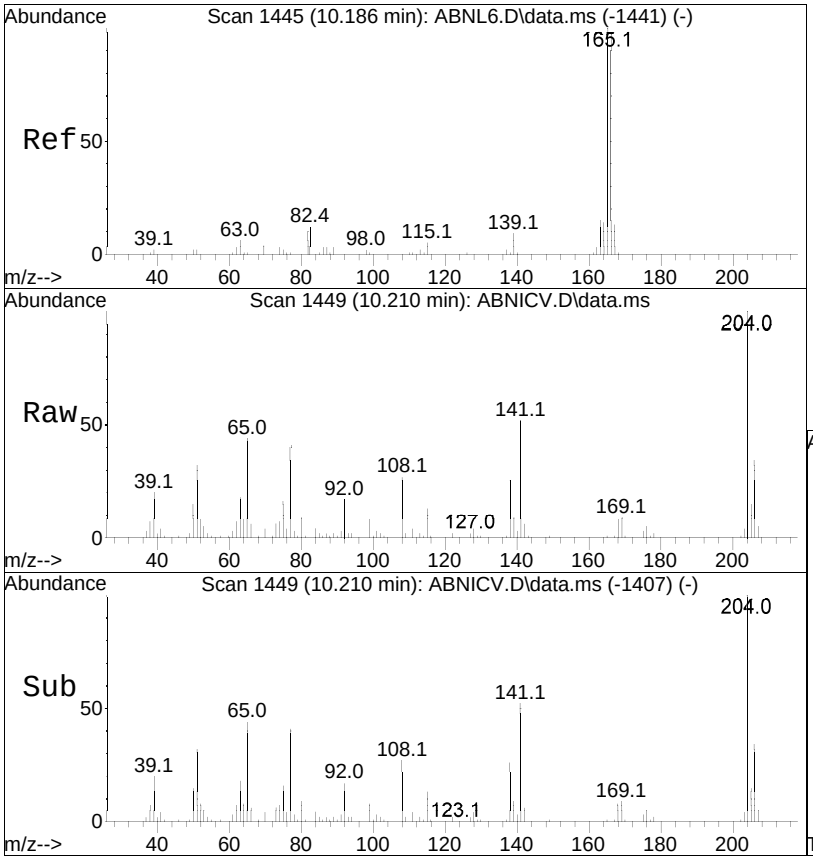


#73
Fluorene
Concen: 4.66 ug/ml
RT: 10.192 min Scan# 1446
Delta R.T. 0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:166 Resp: 134876

Ion	Ratio	Lower	Upper
166	100		
165	101.6	76.2	114.2
167	13.8	10.6	15.8

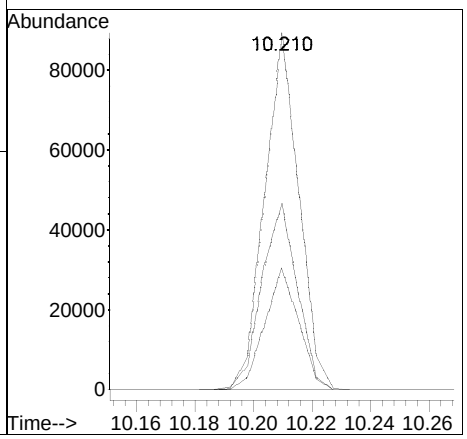


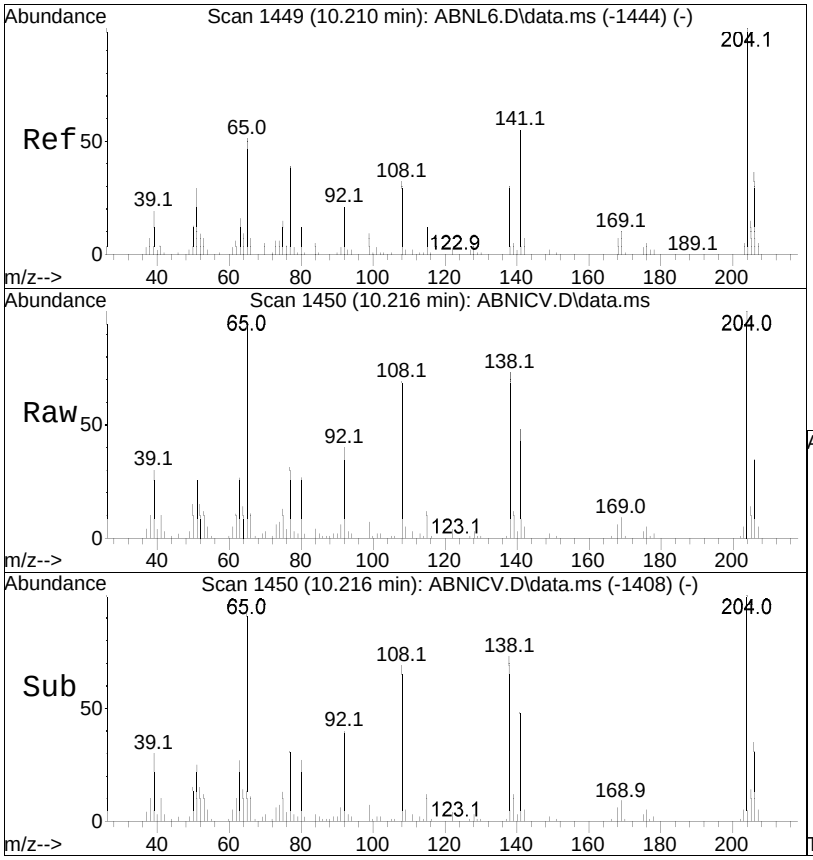


#74
4-Chlorophenyl phenyl ether
Concen: 4.72 ug/ml
RT: 10.210 min Scan# 1449
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:204 Resp: 71803

Ion	Ratio	Lower	Upper
204	100		
206	34.2	25.8	38.6
141	54.5	53.6	80.4

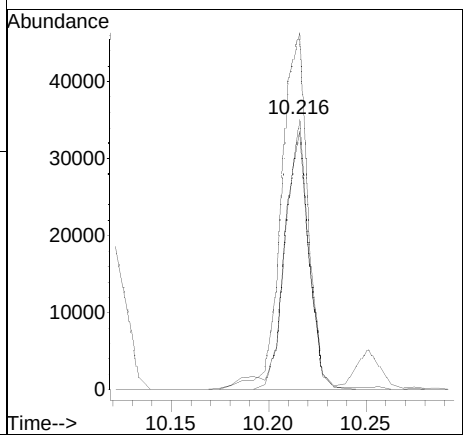


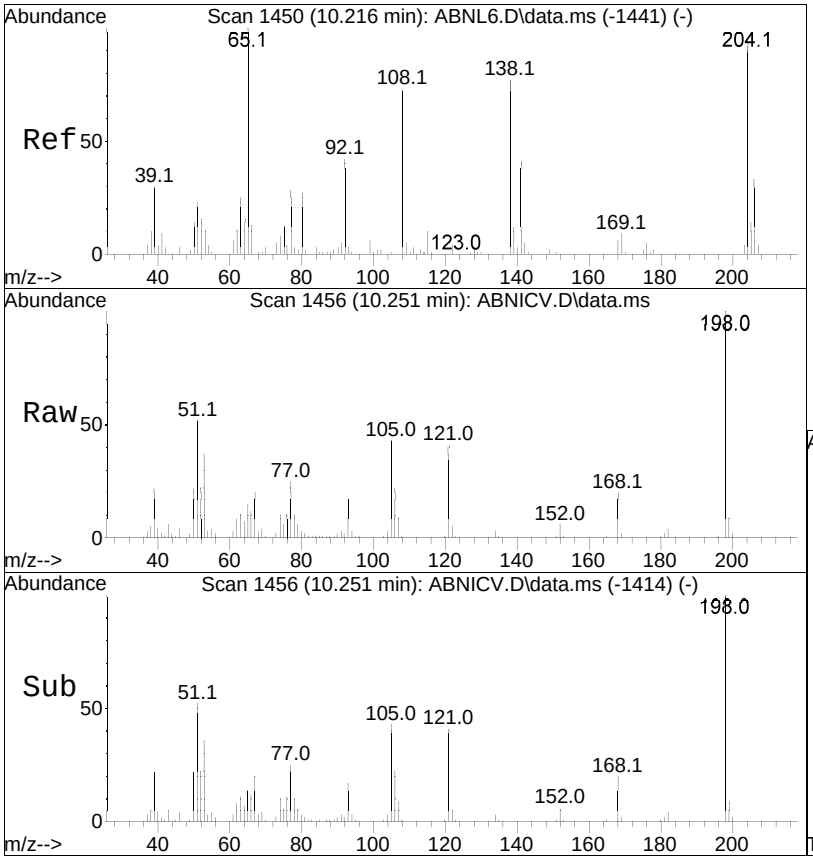


#75
4-Nitroaniline
Concen: 4.80 ug/ml
RT: 10.216 min Scan# 1450
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:138 Resp: 30300

Ion	Ratio	Lower	Upper
138	100		
108	93.9	52.1	78.1#
65	142.9	115.0	172.6

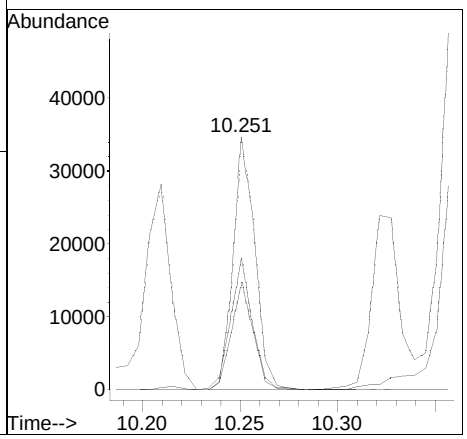


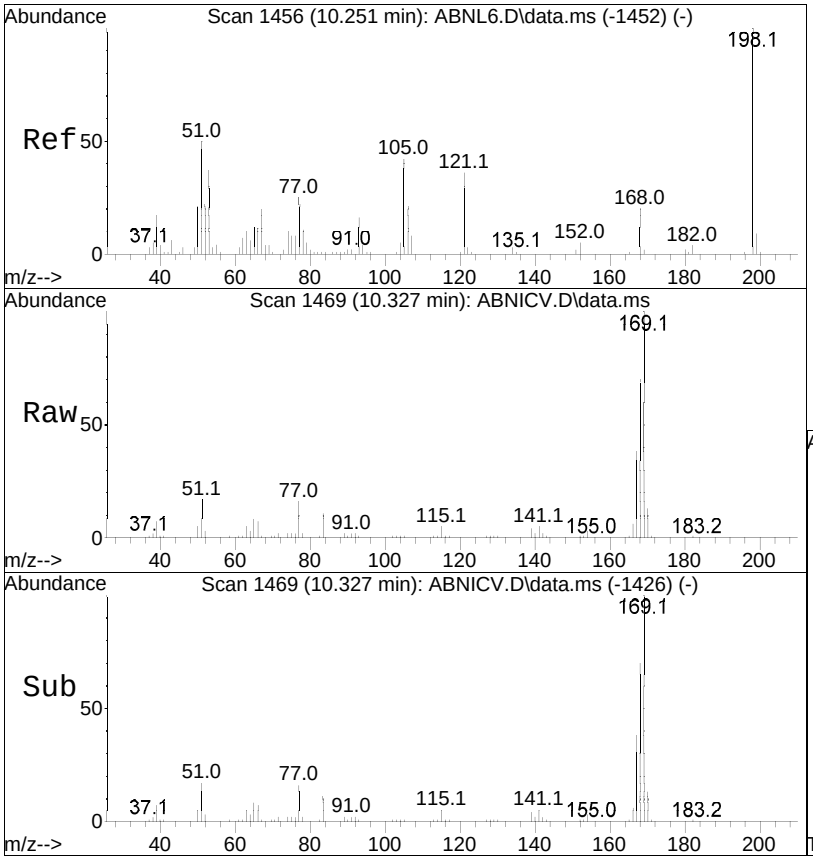


#76
4,6-Dinitro-o-cresol
Concen: 5.40 ug/ml
RT: 10.251 min Scan# 1456
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:198 Resp: 27327

Ion	Ratio	Lower	Upper
198	100		
51	52.6	76.0	114.0#
105	42.7	45.6	68.4#

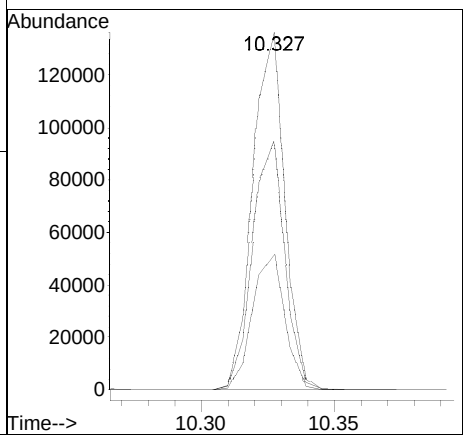


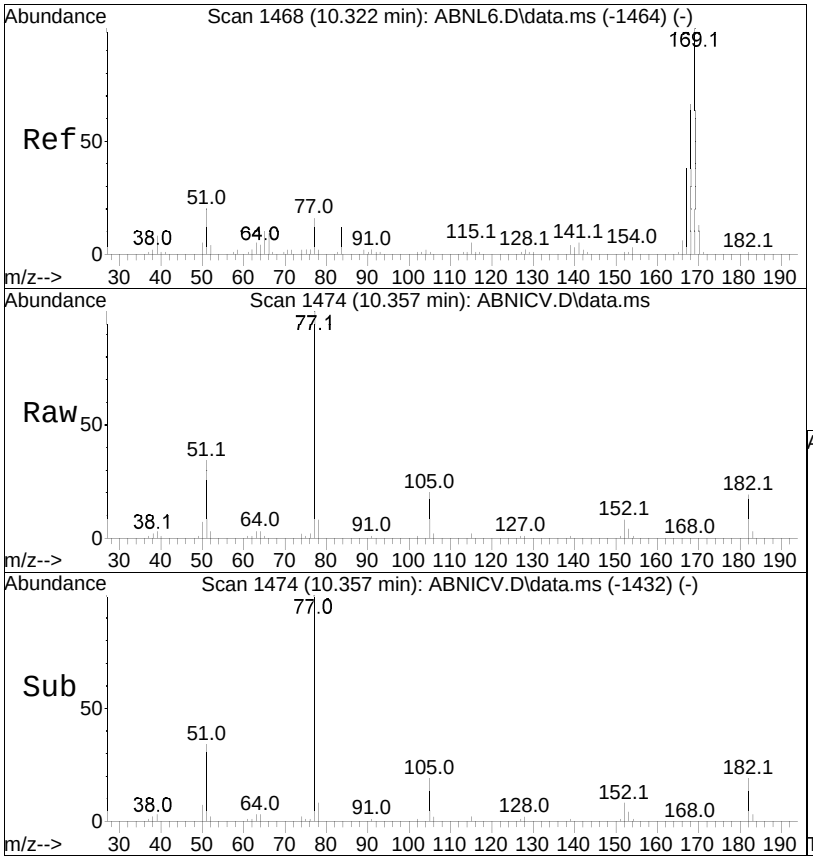


#77
NDPA/DPA
Concen: 4.73 ug/ml
RT: 10.327 min Scan# 1469
Delta R.T. 0.005 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:169 Resp: 113489

Ion	Ratio	Lower	Upper
169	100		
168	70.7	54.0	81.0
167	38.8	28.6	42.8

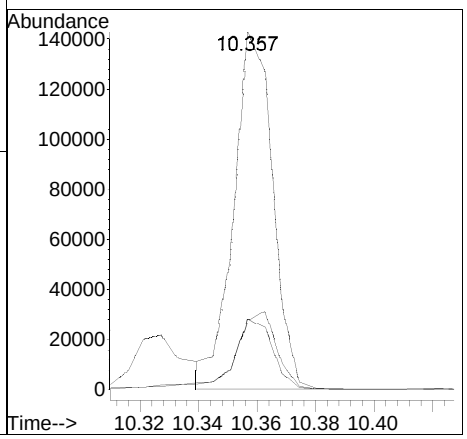


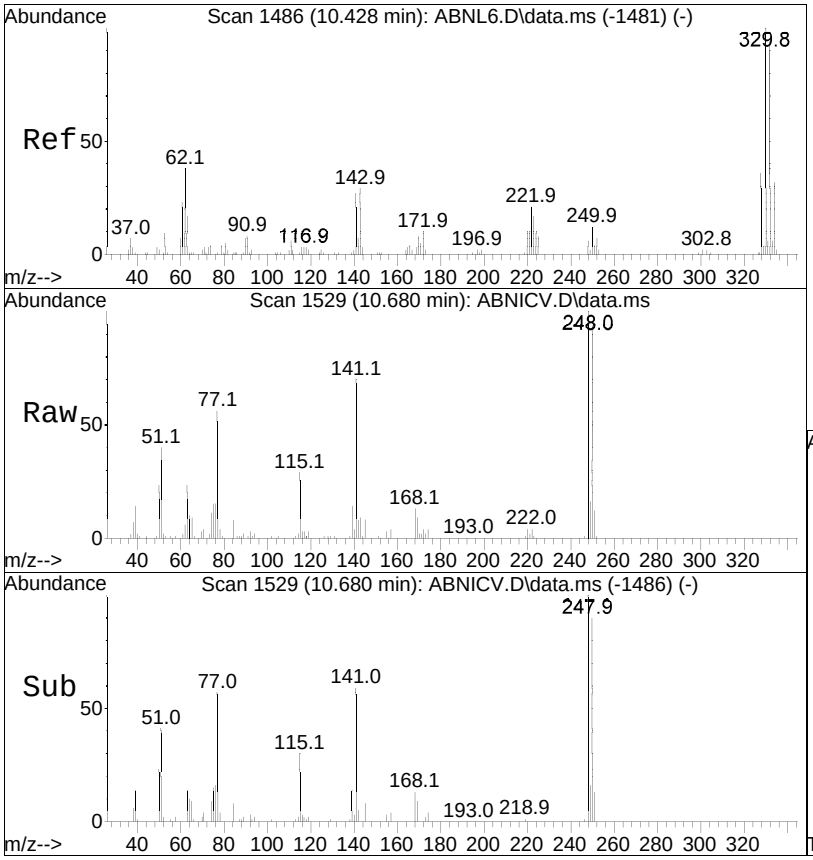


#78
Azobenzene
Concen: 4.76 ug/ml
RT: 10.357 min Scan# 1474
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion: 77 Resp: 130690

Ion	Ratio	Lower	Upper
77	100		
182	24.0	17.4	26.2
105	21.5	15.4	23.2

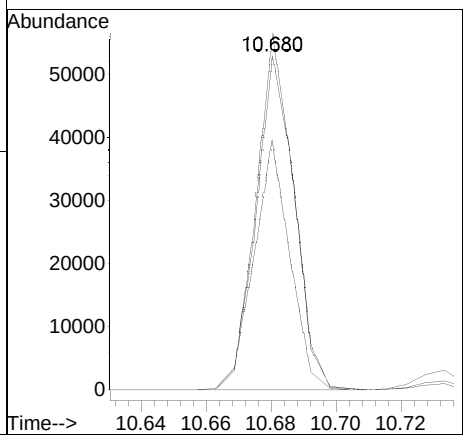


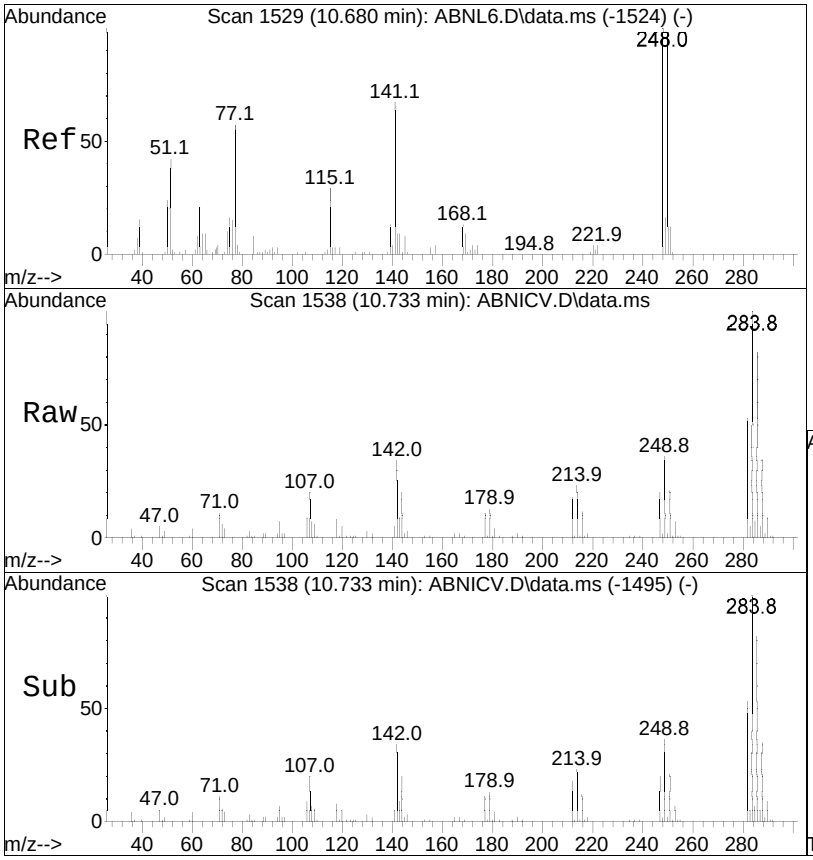


#80
4-Bromophenyl phenyl ether
Concen: 4.73 ug/ml
RT: 10.680 min Scan# 1529
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:248 Resp: 44914

Ion	Ratio	Lower	Upper
248	100		
141	67.7	76.6	114.8#
250	96.8	77.3	115.9

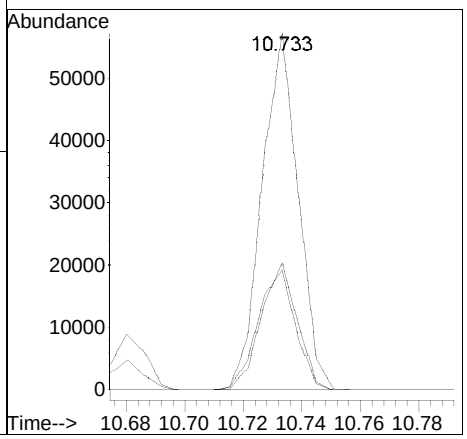


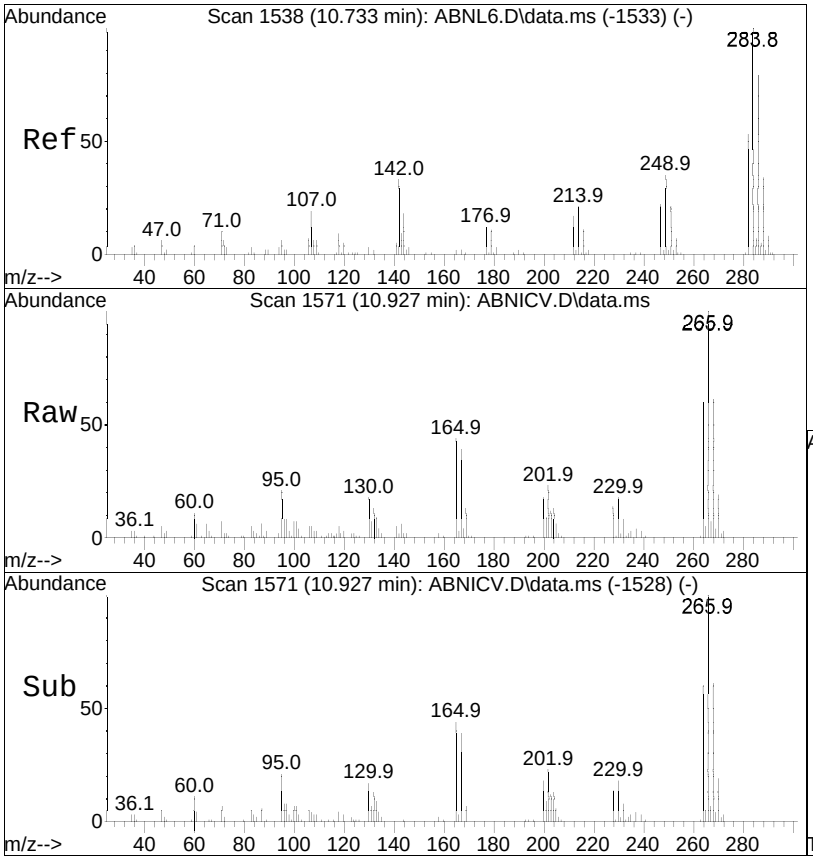


#81
Hexachlorobenzene
Concen: 4.53 ug/ml
RT: 10.733 min Scan# 1538
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:284 Resp: 49006

Ion	Ratio	Lower	Upper
284	100		
142	35.0	41.9	62.9#
249	35.5	24.1	36.1

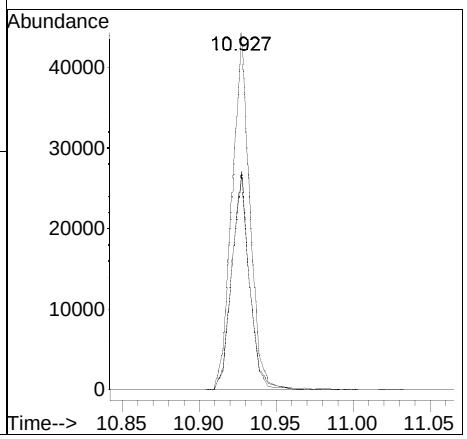


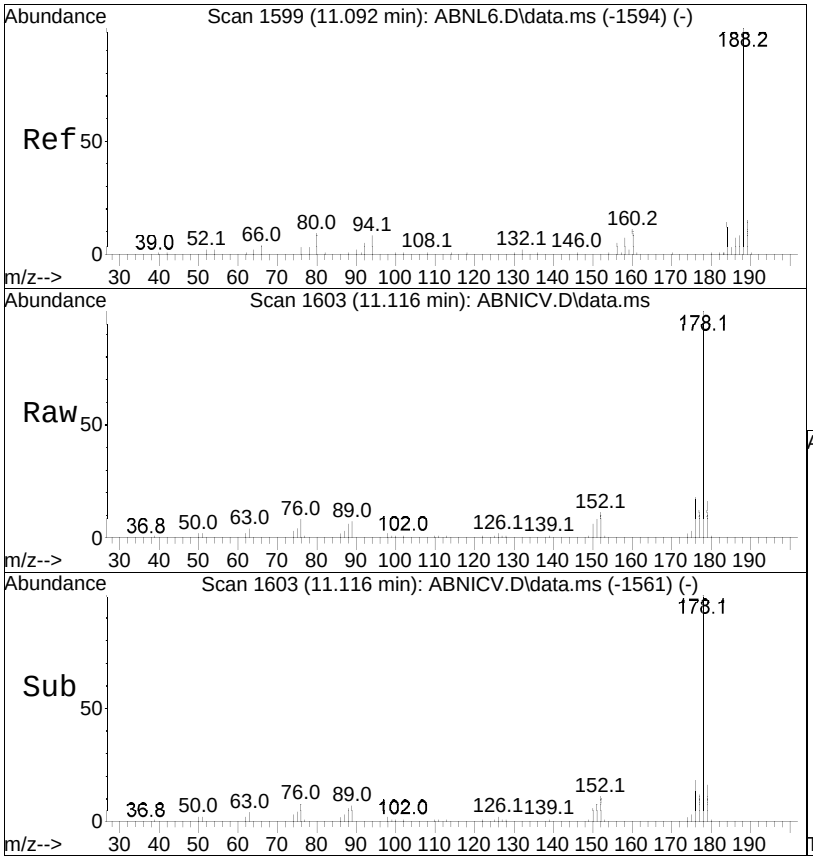


#82
Pentachlorophenol
Concen: 5.23 ug/ml
RT: 10.927 min Scan# 1571
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:266 Resp: 35912

Ion	Ratio	Lower	Upper
266	100		
264	59.2	49.7	74.5
268	60.4	50.5	75.7

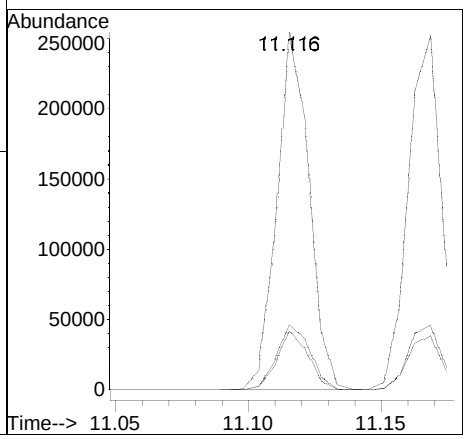


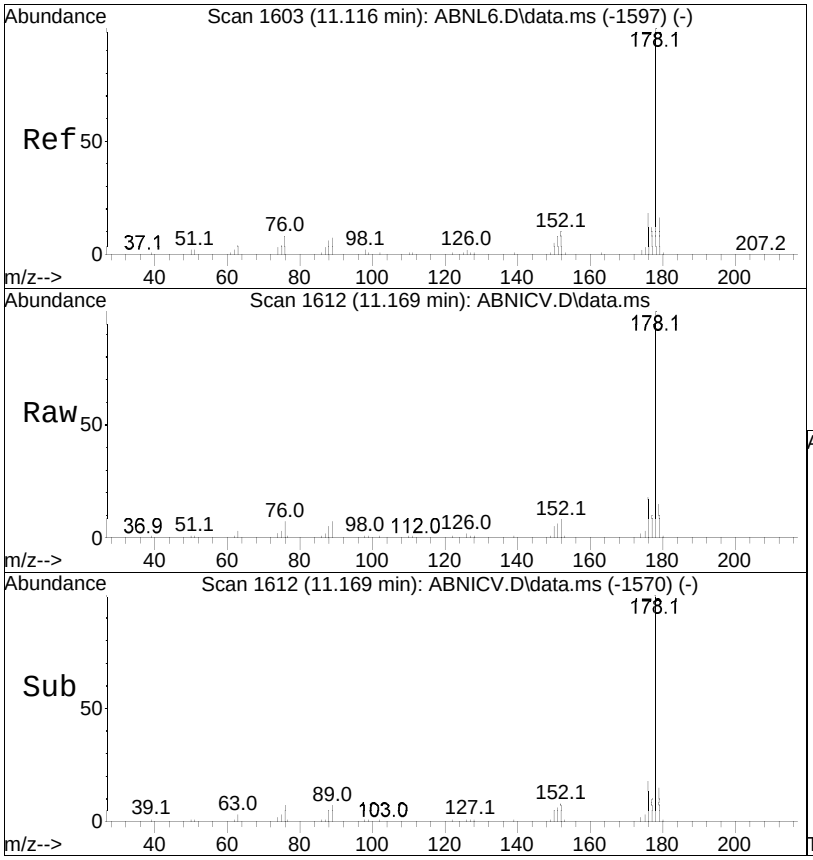


#89
Phenanthrene
Concen: 4.41 ug/ml
RT: 11.116 min Scan# 1603
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:178 Resp: 214102

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.2	18.2
176	18.9	15.4	23.2

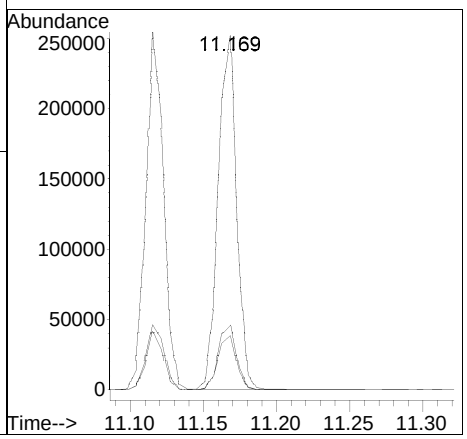


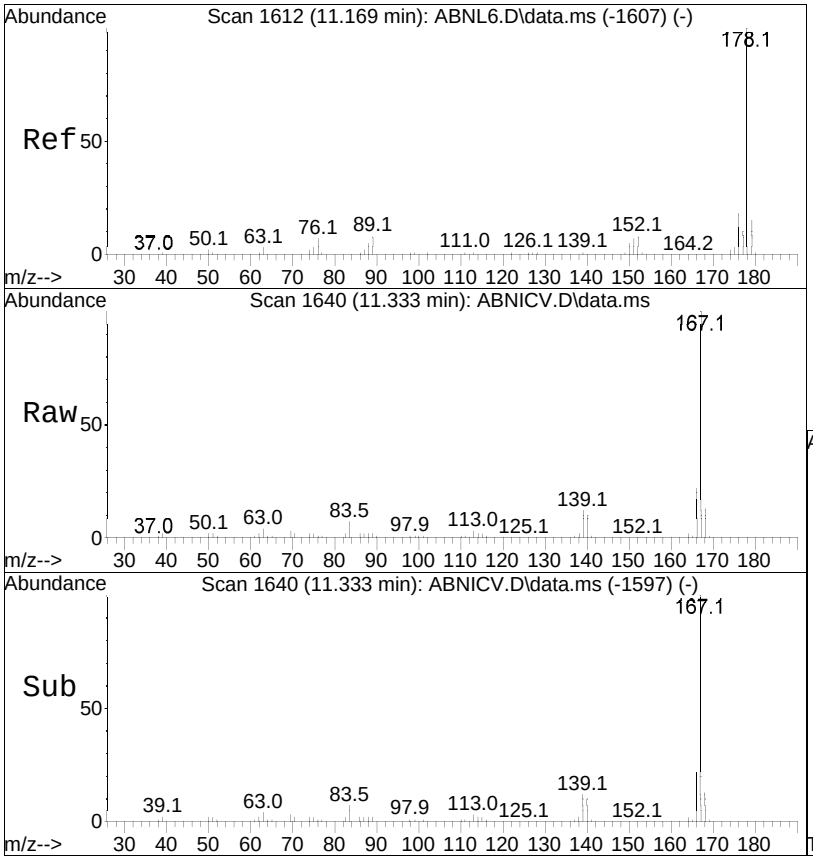


#90
Anthracene
Concen: 4.61 ug/ml
RT: 11.169 min Scan# 1612
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:178 Resp: 222491

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.0	18.0
176	18.3	14.6	22.0

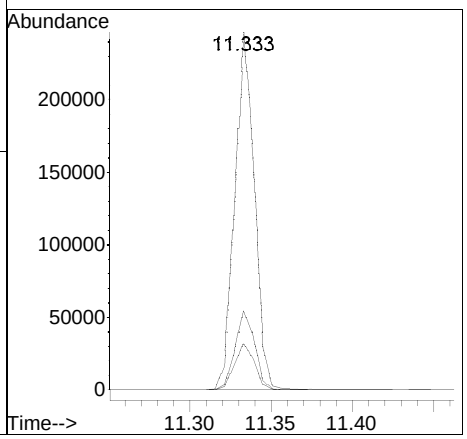


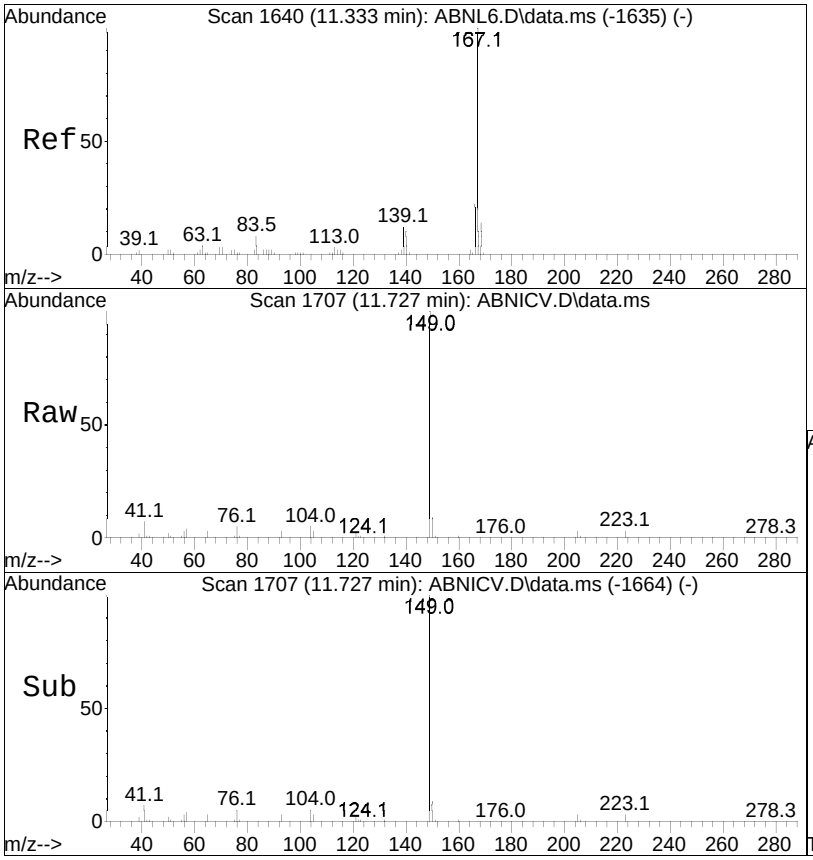


#91
Carbazole
Concen: 4.62 ug/ml
RT: 11.333 min Scan# 1640
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:167 Resp: 204021

Ion	Ratio	Lower	Upper
167	100		
168	13.3	10.6	15.8
166	22.2	17.4	26.0

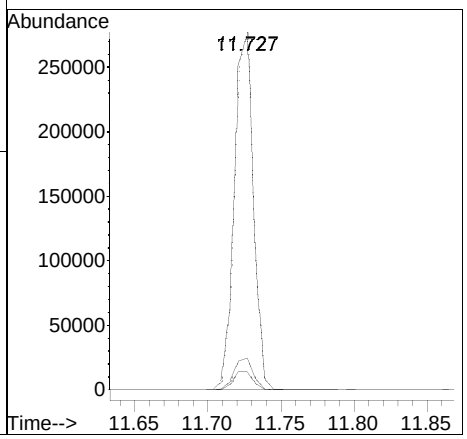


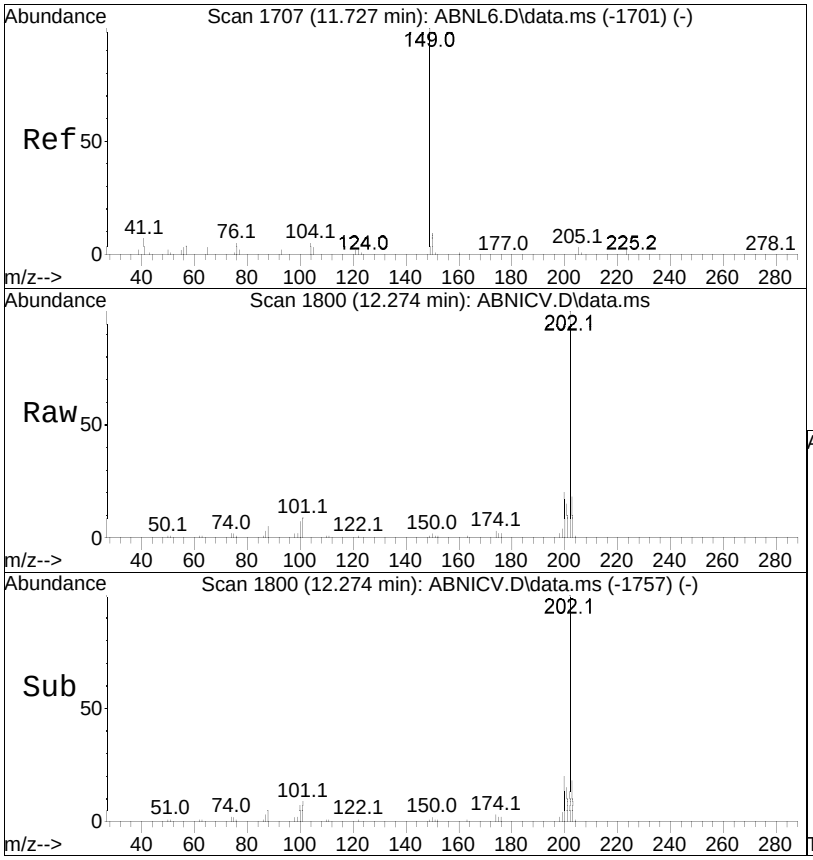


#92
Di-n-butylphthalate
Concen: 4.75 ug/ml
RT: 11.727 min Scan# 1707
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 246456

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	5.4	4.5	6.7

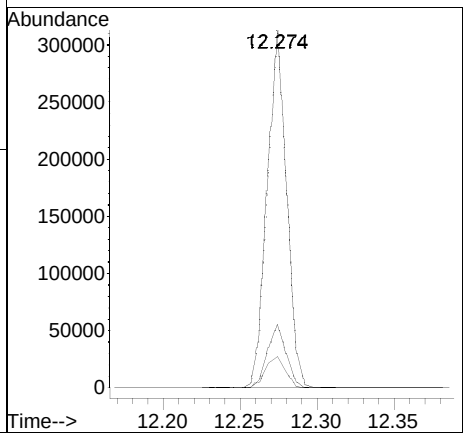


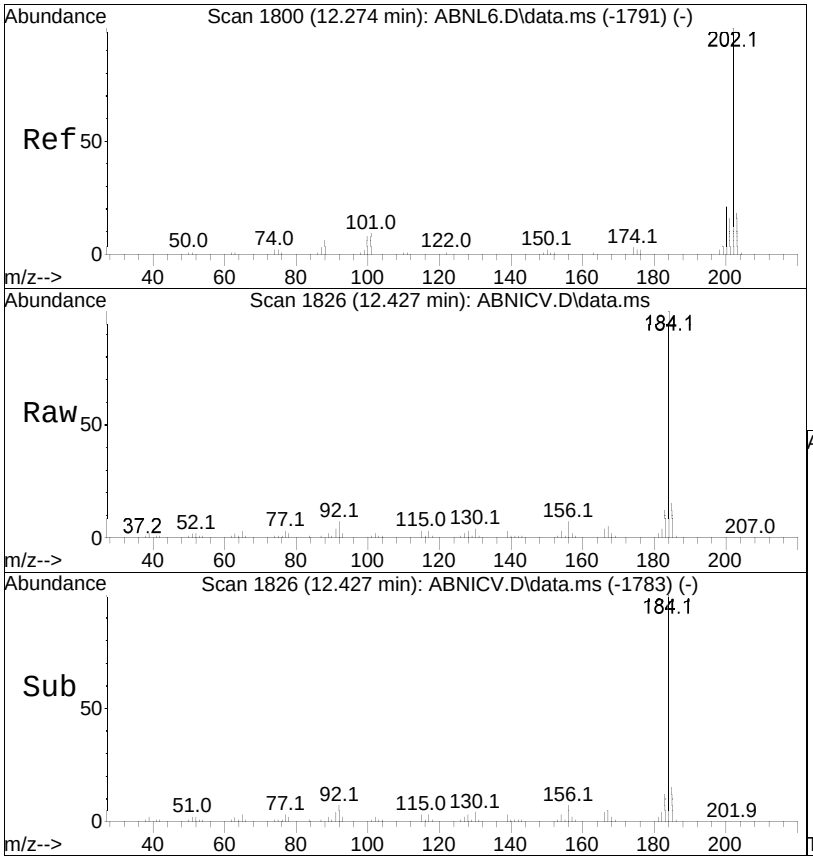


#93
Fluoranthene
Concen: 4.57 ug/ml
RT: 12.274 min Scan# 1800
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:202 Resp: 270824

Ion	Ratio	Lower	Upper
202	100		
101	9.2	13.5	20.3#
203	17.4	13.6	20.4

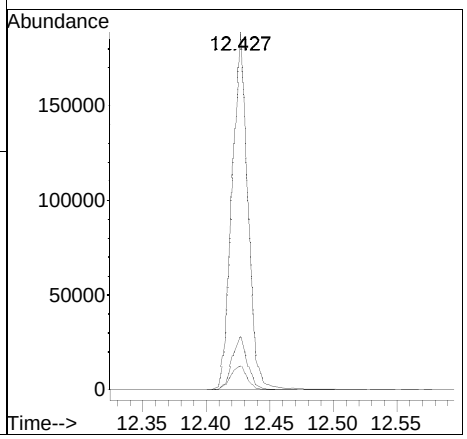


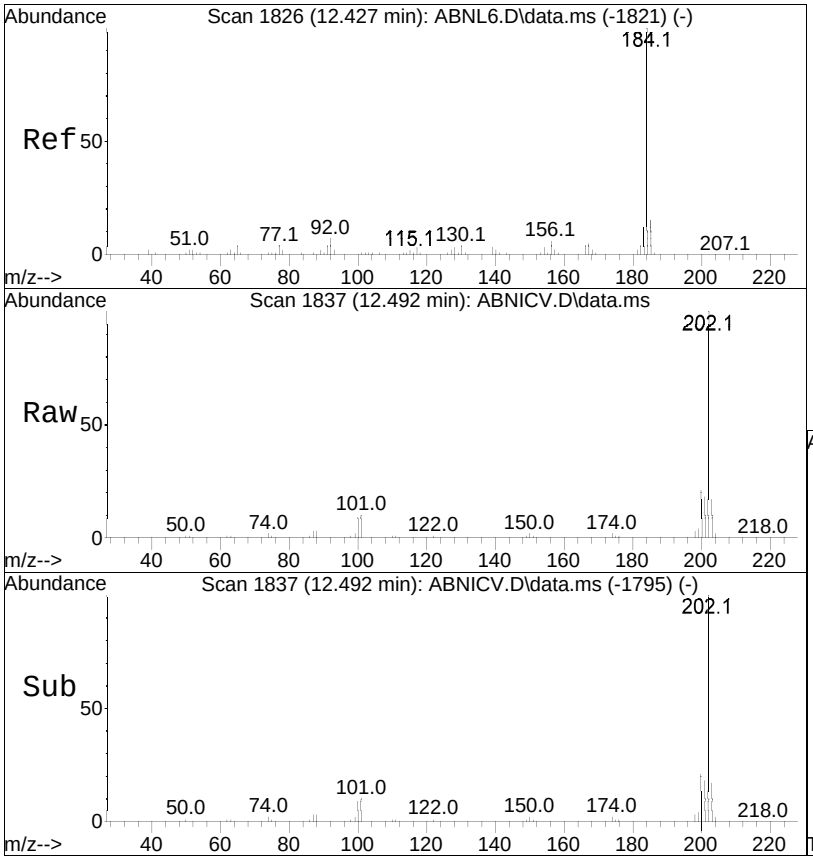


#94
Benzidine
Concen: 5.00 ug/ml
RT: 12.427 min Scan# 1826
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:184 Resp: 161127

Ion	Ratio	Lower	Upper
184	100		
92	7.1	9.1	13.7#
185	14.7	11.1	16.7

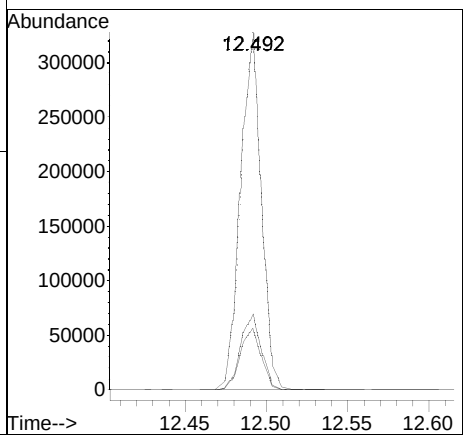


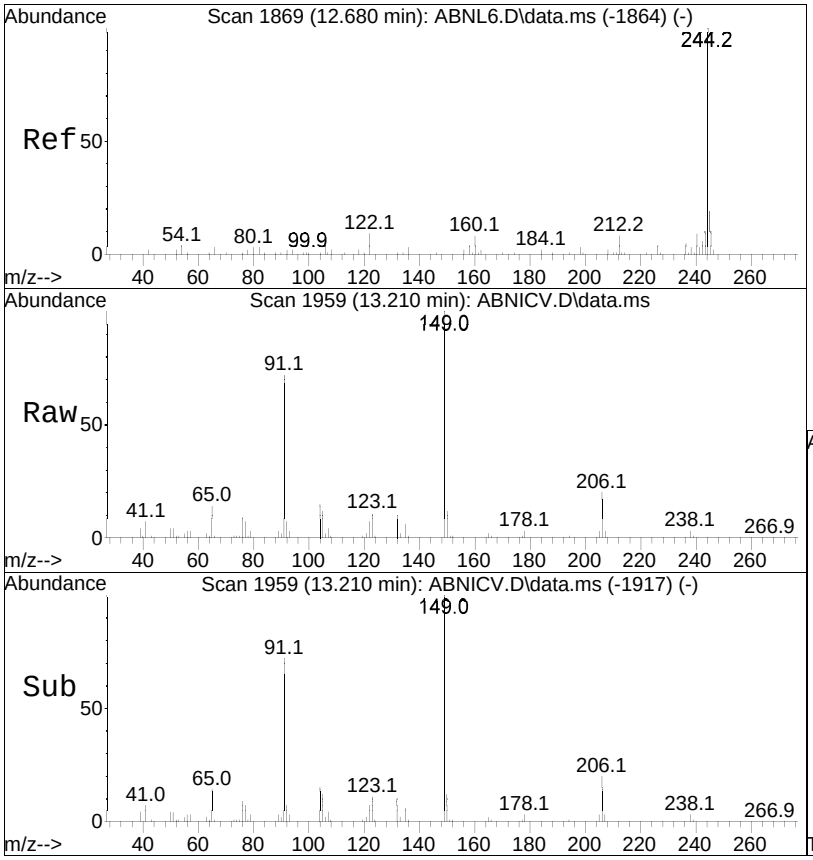


#95
Pyrene
Concen: 4.61 ug/ml
RT: 12.492 min Scan# 1837
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:202 Resp: 288357

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.6	14.2	21.4

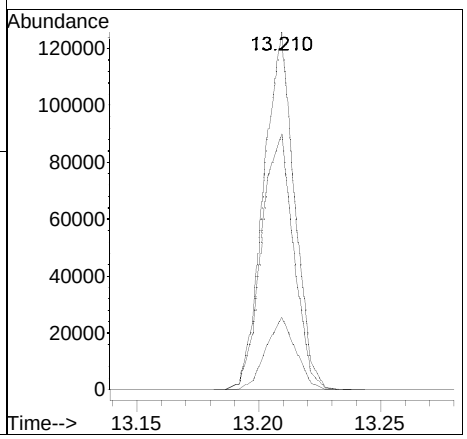


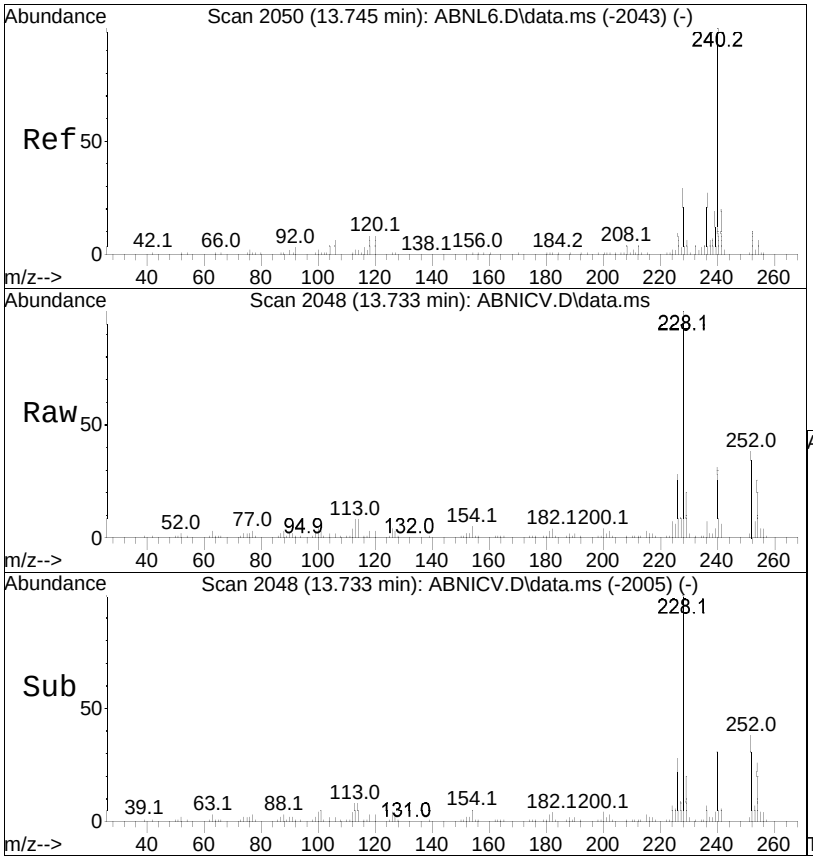


#97
Butyl benzyl phthalate
Concen: 4.59 ug/ml
RT: 13.210 min Scan# 1959
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 109619

Ion	Ratio	Lower	Upper
149	100		
91	74.8	63.3	94.9
206	19.8	13.9	20.9

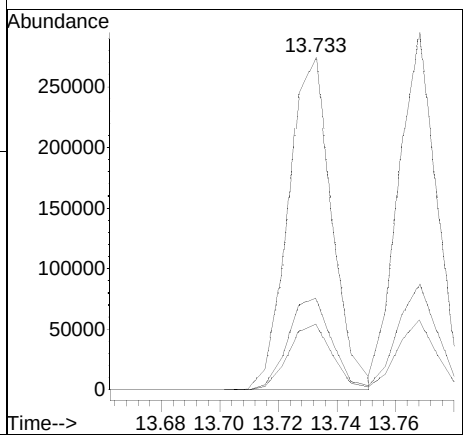


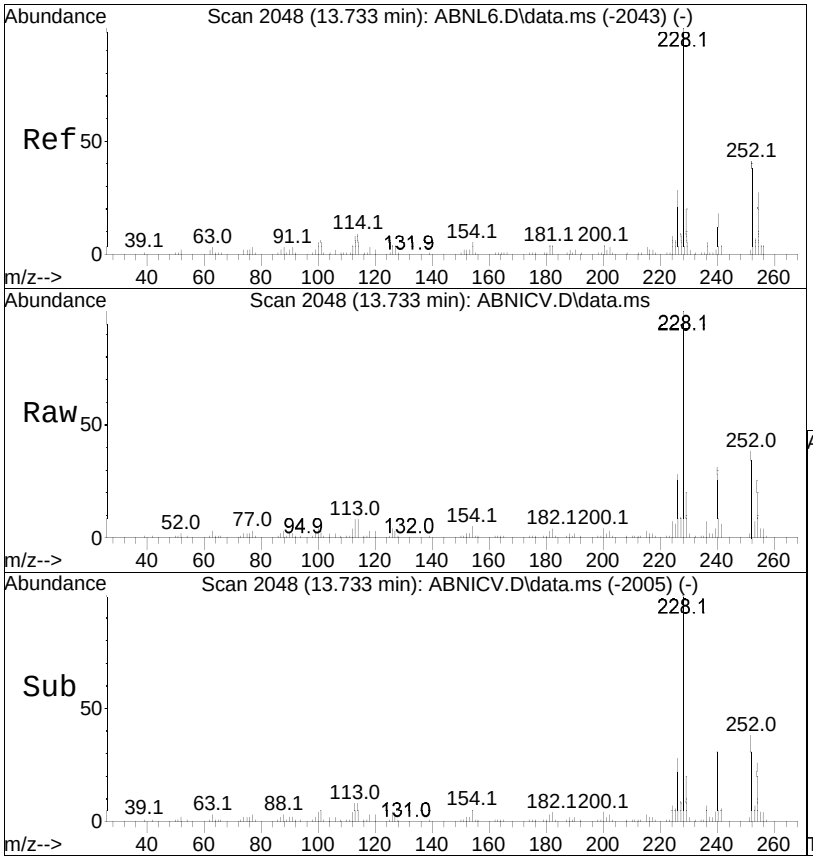


#105
Benzo(a)anthracene
Concen: 4.47 ug/ml
RT: 13.733 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:228 Resp: 283411

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	20.0	15.6	23.4

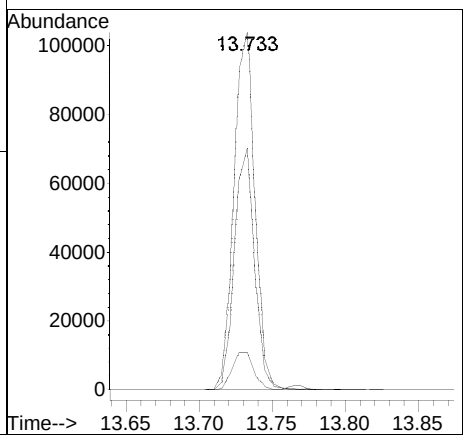


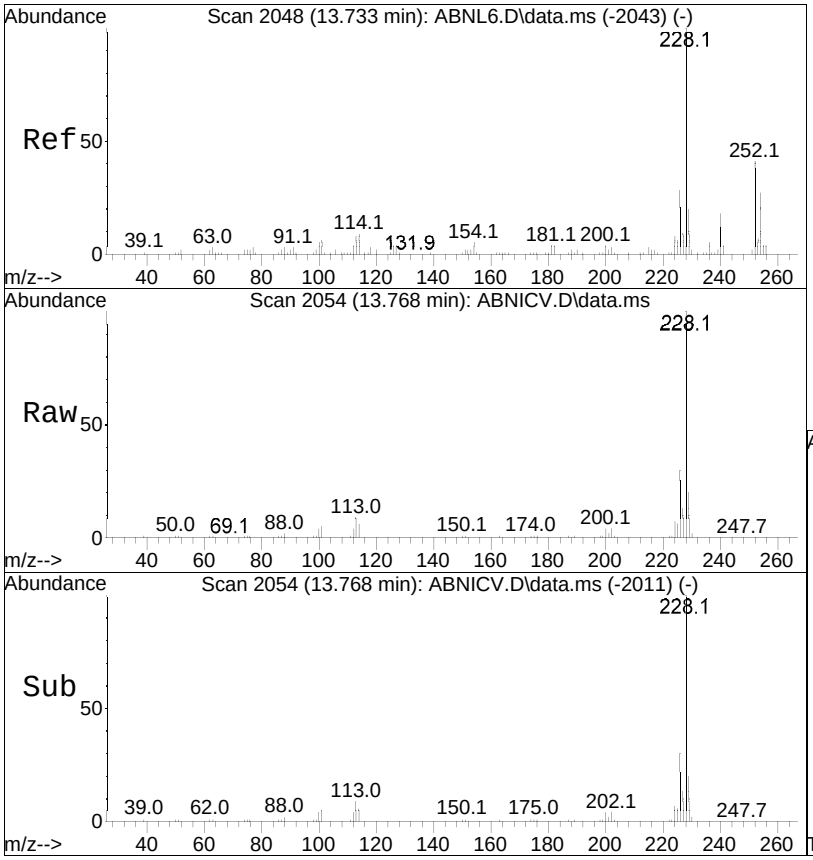


#106
3,3'-Dichlorobenzidine
Concen: 4.93 ug/ml
RT: 13.733 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 103514

Ion	Ratio	Lower	Upper
252	100		
126	11.0	14.5	21.7#
254	64.8	51.2	76.8

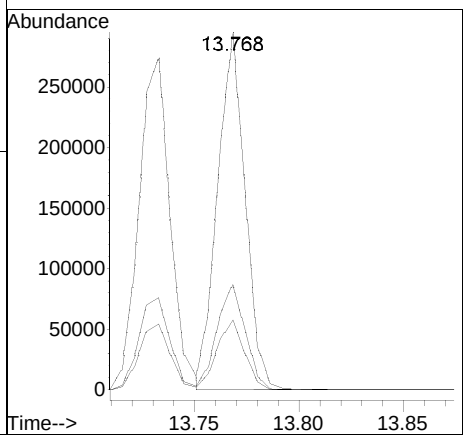


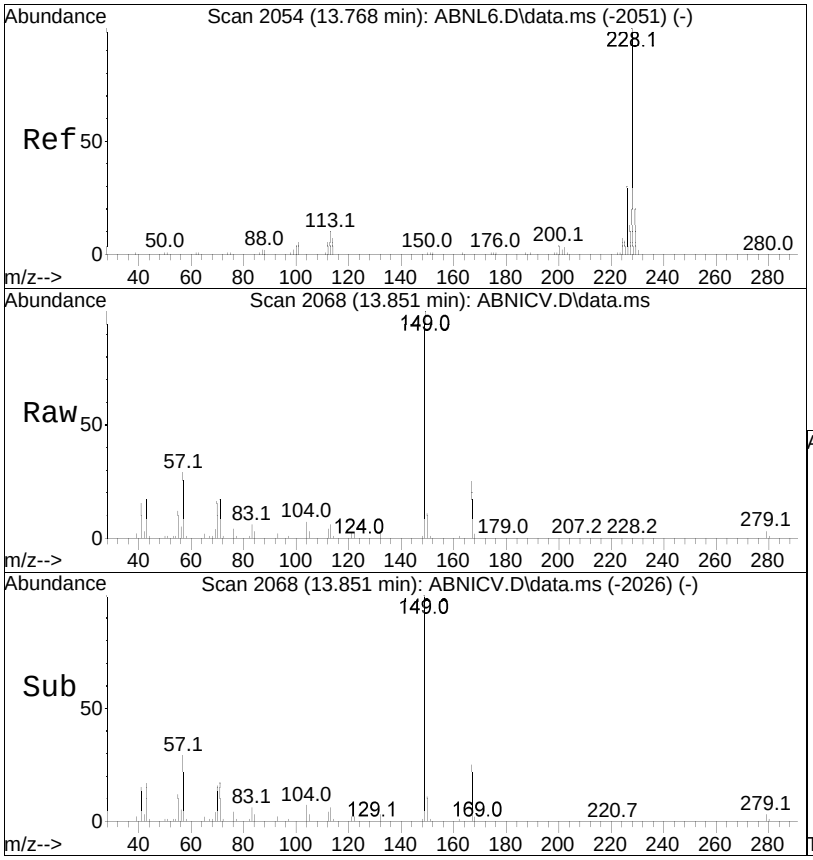


#107
Chrysene
Concen: 4.42 ug/ml
RT: 13.768 min Scan# 2054
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:228 Resp: 270744

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	19.5	15.8	23.8

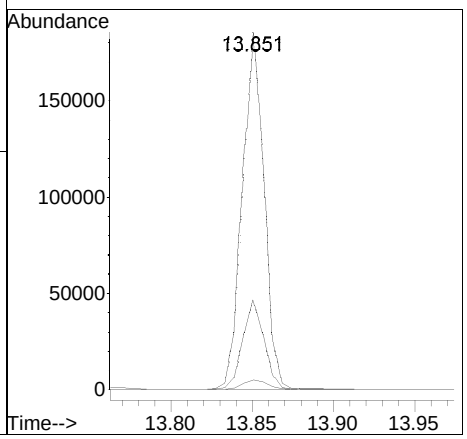


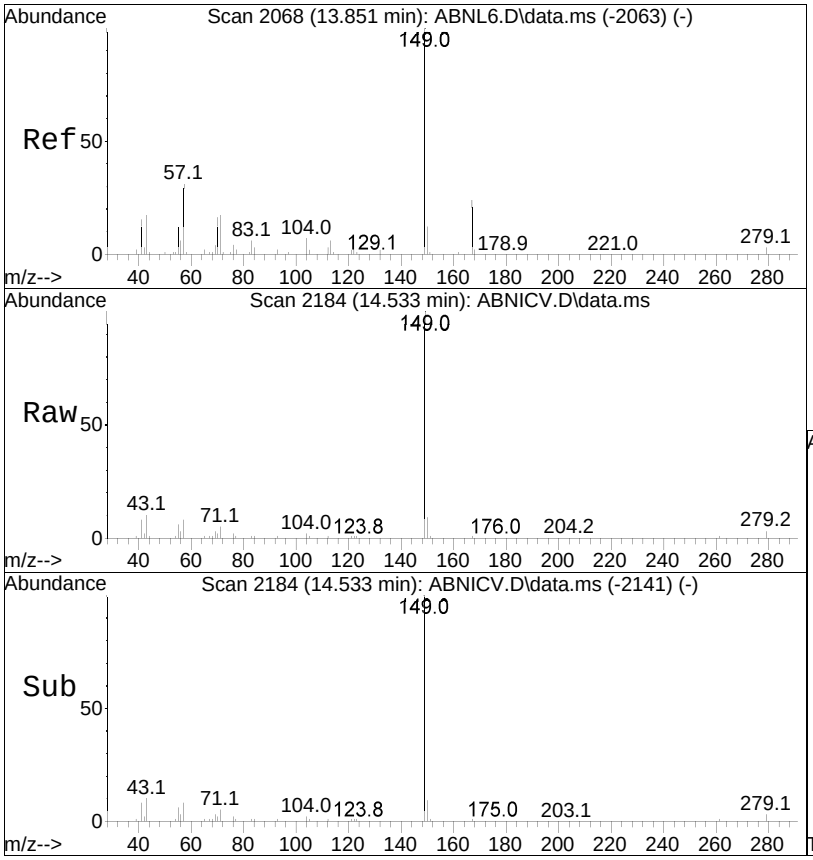


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.86 ug/ml
RT: 13.851 min Scan# 2068
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 170402

Ion	Ratio	Lower	Upper
149	100		
167	24.9	22.1	33.1
279	2.9	3.0	4.4#

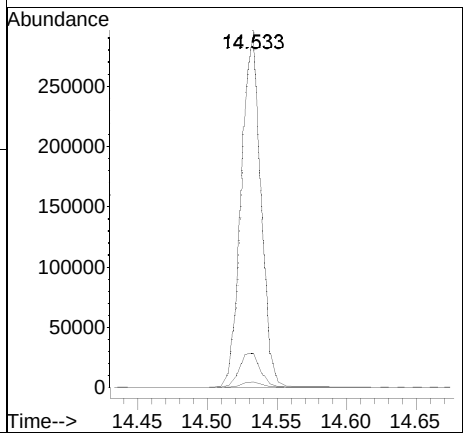


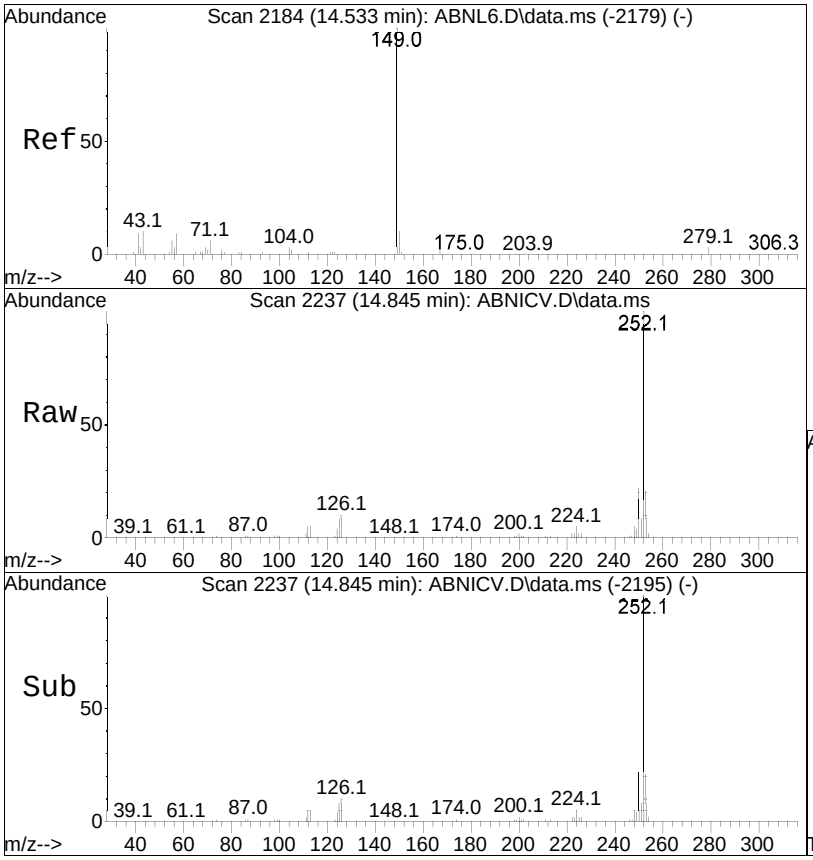


#109
Di-n-octylphthalate
Concen: 4.89 ug/ml
RT: 14.533 min Scan# 2184
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:149 Resp: 283833

Ion	Ratio	Lower	Upper
149	100		
43	10.5	18.8	28.2#
167	1.5	1.3	1.9

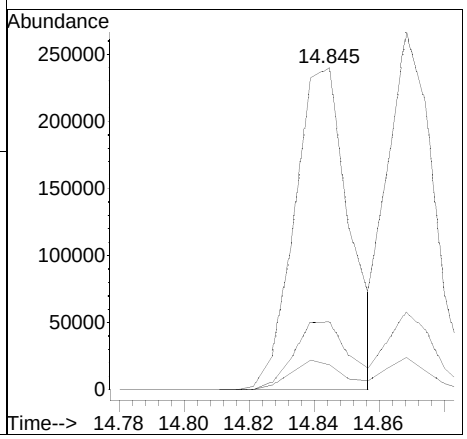


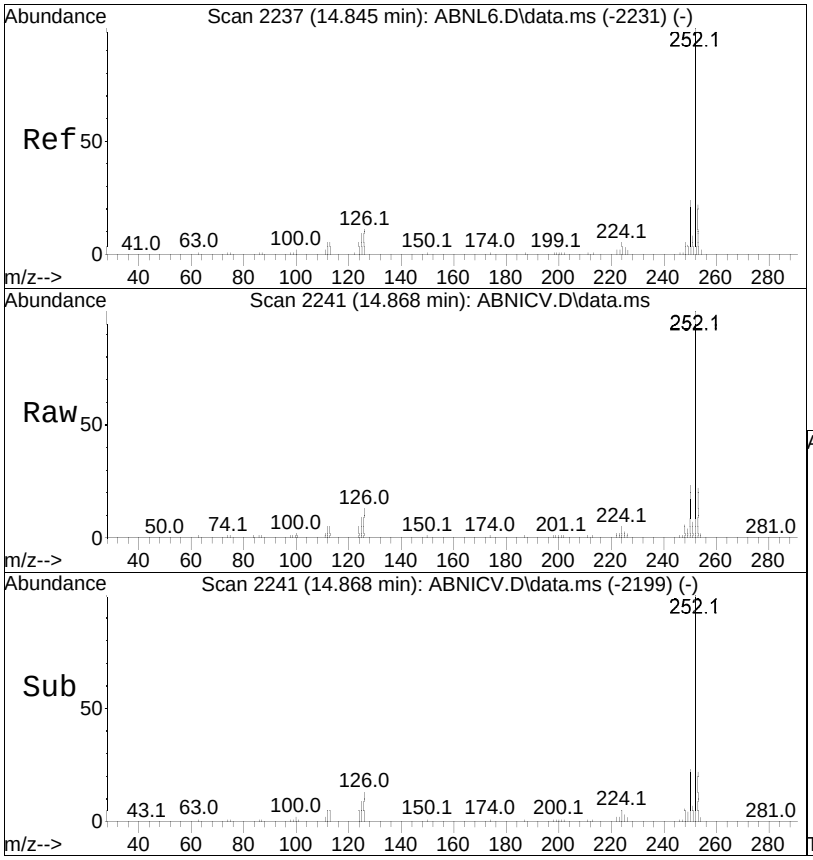


#110
Benzo(b)fluoranthene
Concen: 4.62 ug/ml
RT: 14.845 min Scan# 2237
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 283245

Ion	Ratio	Lower	Upper
252	100		
125	9.1	13.3	19.9#
253	21.5	17.1	25.7

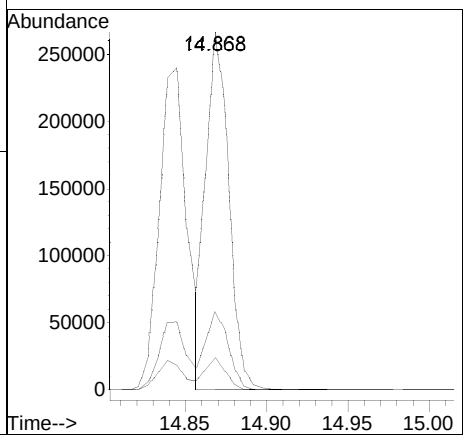


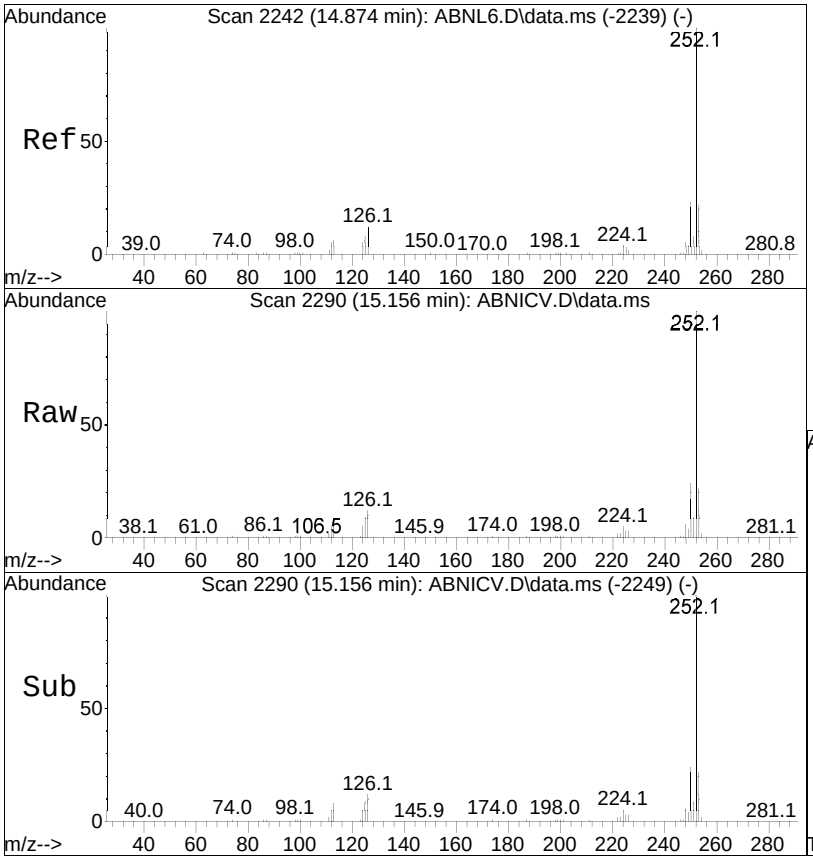


#111
Benzo(k)fluoranthene
Concen: 4.47 ug/ml
RT: 14.868 min Scan# 2241
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 259962

Ion	Ratio	Lower	Upper
252	100		
125	8.1	13.0	19.6#
253	21.8	16.8	25.2

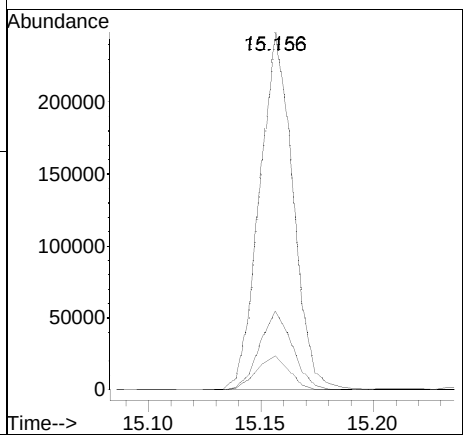


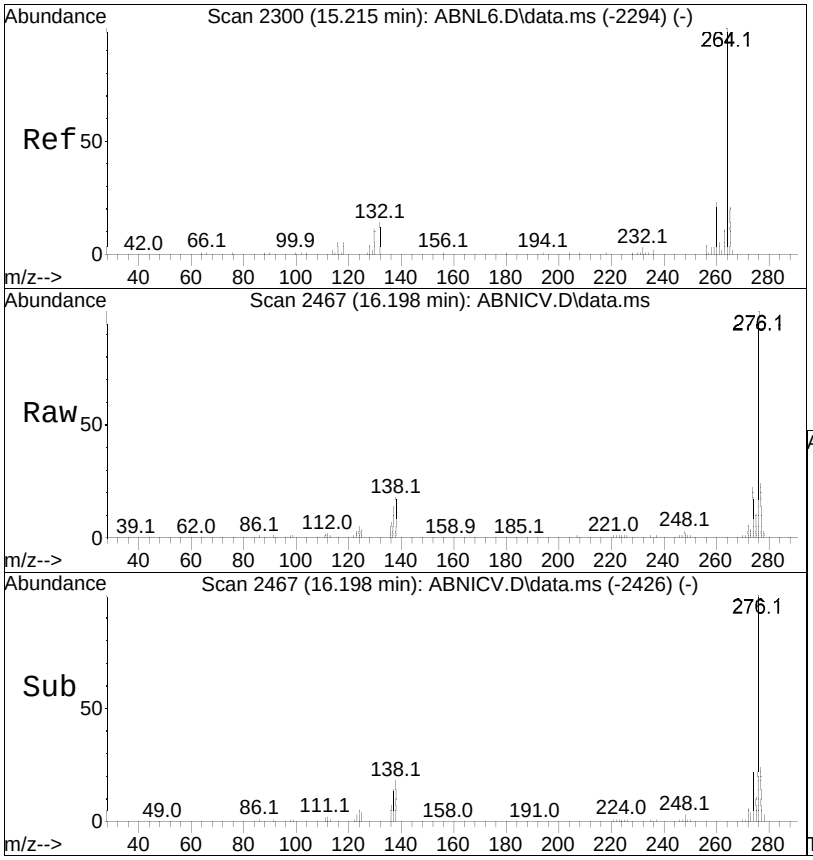


#112
Benzo(a)pyrene
Concen: 4.79 ug/ml
RT: 15.156 min Scan# 2290
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:252 Resp: 255240

Ion	Ratio	Lower	Upper
252	100		
125	9.6	14.2	21.2#
253	22.2	16.9	25.3

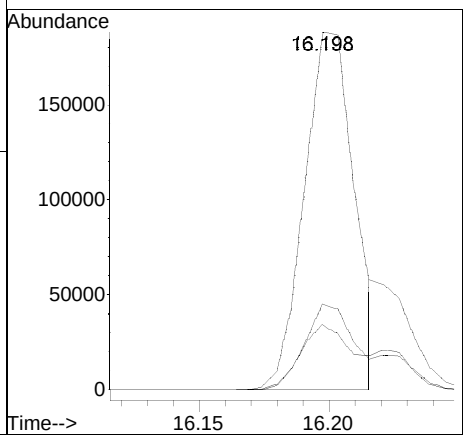


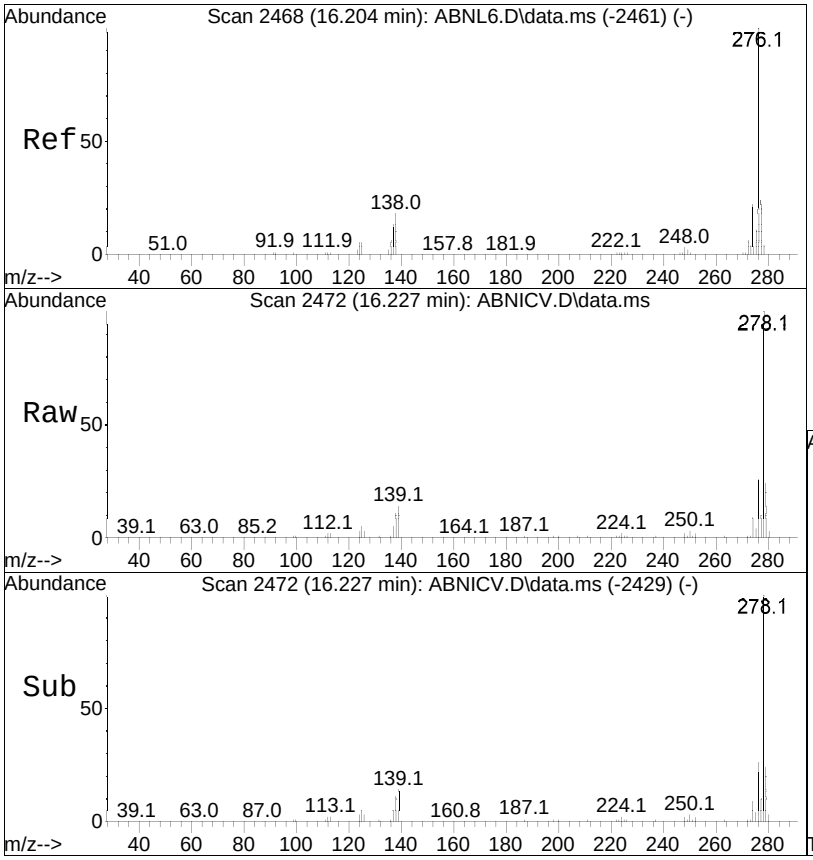


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.89 ug/mL M6
RT: 16.198 min Scan# 2467
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:276 Resp: 251892

Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.1	37.7
277	31.3	18.6	28.0#

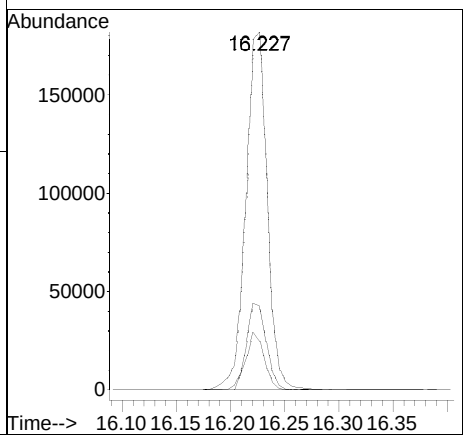


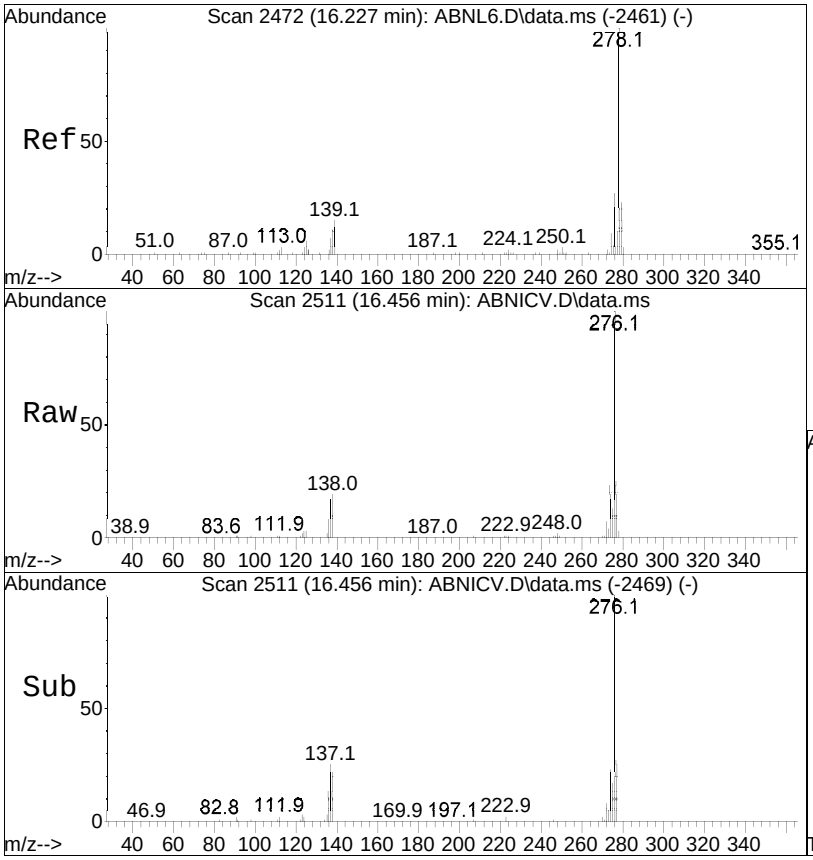


#115
Dibenzo(a,h)anthracene
Concen: 5.00 ug/ml
RT: 16.227 min Scan# 2472
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:278 Resp: 248022

Ion	Ratio	Lower	Upper
278	100		
139	13.9	20.8	31.2#
279	23.1	18.3	27.5

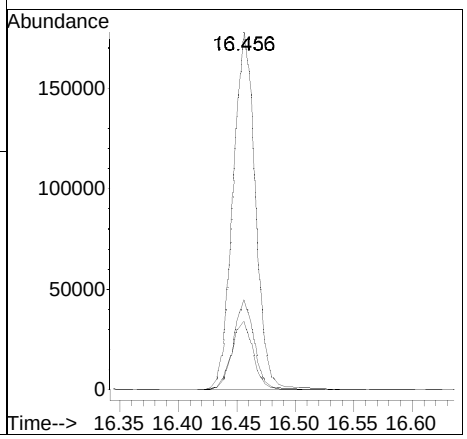




#116
Benzo(ghi)perylene
Concen: 5.13 ug/ml
RT: 16.456 min Scan# 2511
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 25 Jun 2024 12:03 am

Tgt Ion:276 Resp: 235381

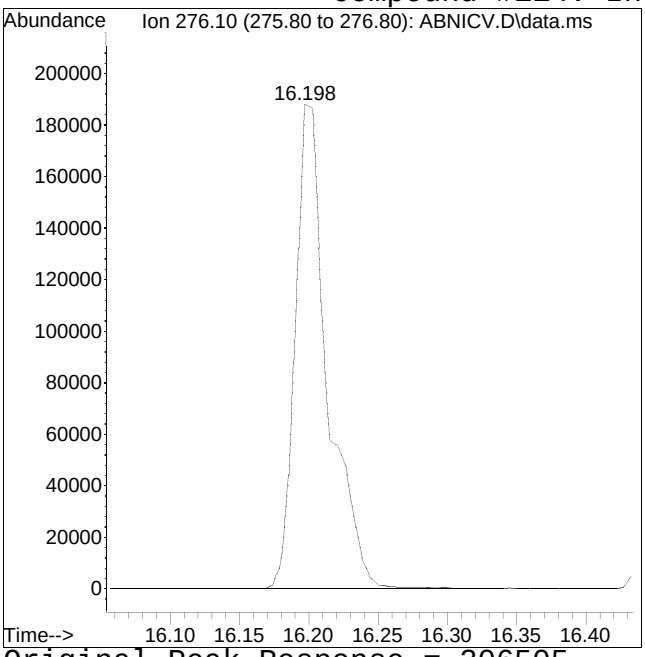
Ion	Ratio	Lower	Upper
276	100		
138	18.7	29.2	43.8#
277	23.4	18.8	28.2



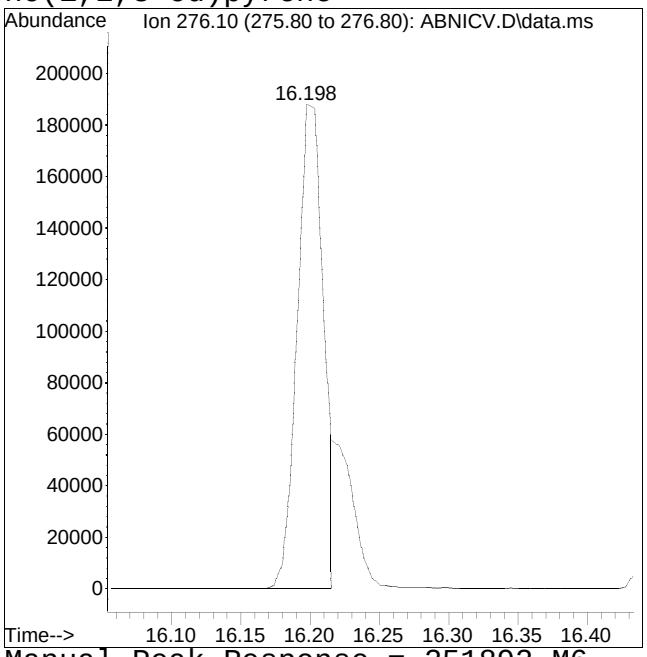
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ABNICV.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 12:03 am Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/25/2024 6:33 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 306505



Manual Peak Response = 251892 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
28	T	Benzaldehyde	1.187	1.160	2.3	95	0.00
29	T	Acetophenone	2.158	2.023	6.3	91	0.00
30	T	m-Toluidine	1.957	1.877	4.1	93	0.00
31	T	2-Chloroaniline	1.709	1.610	5.8	91	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	94	0.00
56	T	a-Terpineol	0.400	0.364	9.0	87	0.00
57	T	3-Chloroaniline	0.201	0.203	-1.0	96	0.00
58	T	2,6-Dichlorophenol	0.362	0.343	5.2	86	0.00
59	T	1-chloro-2-nitrobenzene	0.180	0.173	3.9	88	0.00
60	T	Caprolactam	0.210	0.198	5.7	83	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.548	0.493	10.0	87	0.00
62	T	Biphenyl	1.084	0.982	9.4	87	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	93	0.00
84	T	Dichloran	0.247	0.224	9.3	79	0.00
85	T	Pentachloronitrobenzene	0.270	0.251	7.0	80	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	87	0.00
99	T	Diphenamid	0.561	0.515	8.2	78	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.463	152	30658	4.000	ug/ml	0.00
Standard Area 1 = 32042			Recovery = 95.68%			
55) IS2_Naphthalene-d8	7.886	136	107328	4.000	ug/ml	# 0.00
Standard Area 1 = 114213			Recovery = 93.97%			
83) IS2_Acenaphthene-d10	9.651	164	67752	4.000	ug/ml	0.00
Standard Area 1 = 73214			Recovery = 92.54%			
98) IS2_Phenanthrene-d10	11.092	188	149597	4.000	ug/ml	0.00
Standard Area 1 = 172677			Recovery = 86.63%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.887	105	44470	4.886	ug/ml	100
29) Acetophenone	6.957	105	77542	4.688	ug/ml#	83
30) m-Toluidine	7.057	106	71933	4.796	ug/ml	94
31) 2-Chloroaniline	7.463	127	61713	4.711	ug/ml	97
56) a-Terpineol	7.963	59	48862	4.551	ug/ml#	85
57) 3-Chloroaniline	7.975	65	27239	5.059	ug/ml#	64
58) 2,6-Dichlorophenol	7.998	162	46077	4.748	ug/ml	94
59) 1-chloro-2-nitrobenzene	8.269	111	23253	4.809	ug/ml#	1
60) Caprolactam	8.304	55	26621	4.724	ug/ml#	78
61) 1,2,4,5-Tetrachloroben...	8.804	216	66156	4.495	ug/ml	98
62) Biphenyl	9.104	154	131777	4.530	ug/ml	99
84) Dichloran	10.792	206	19006	4.541	ug/ml#	66
85) Pentachloronitrobenzene	10.939	237	21268	4.649	ug/ml#	74
99) Diphenamid	12.004	167	96271	4.586	ug/ml	83

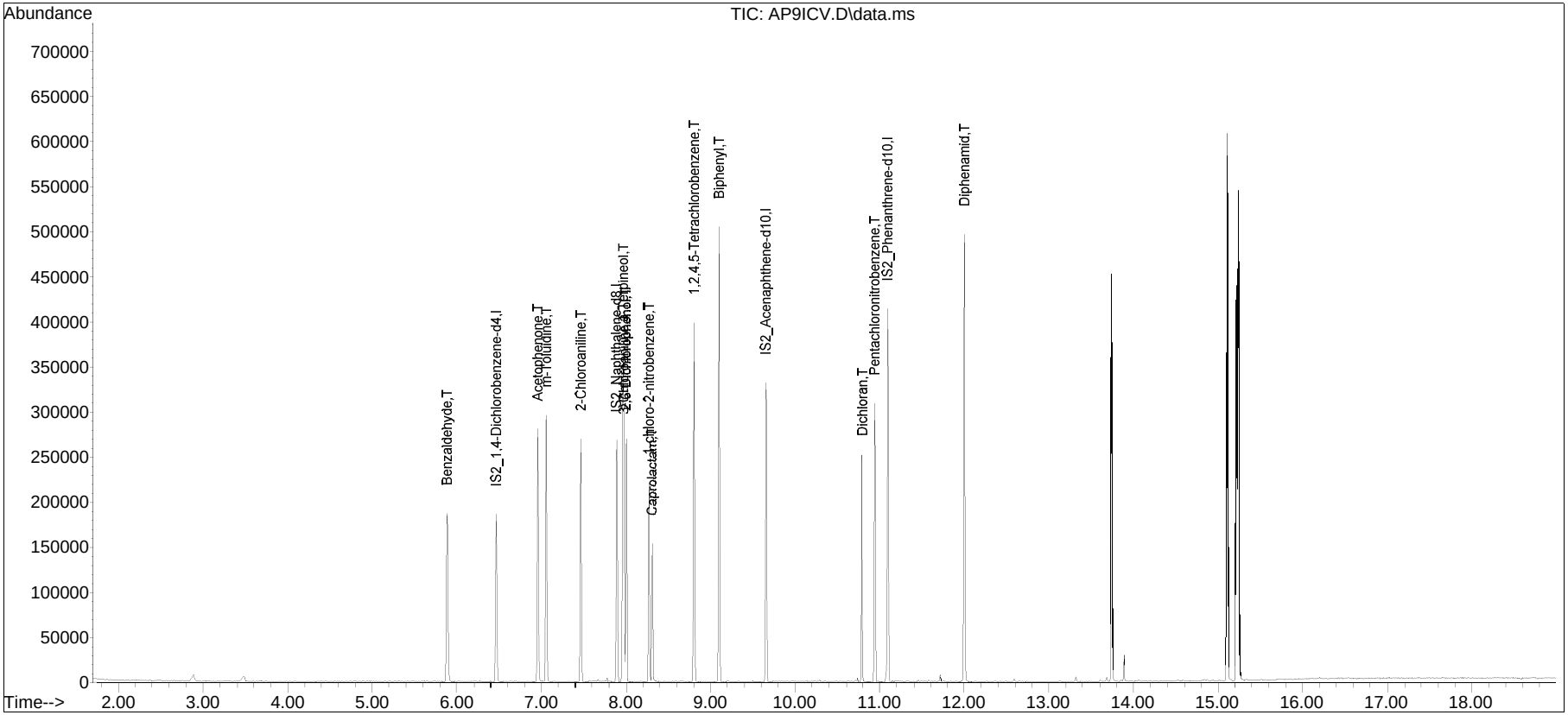
(#) = qualifier out of range (m) = manual integration (+) = signals summed

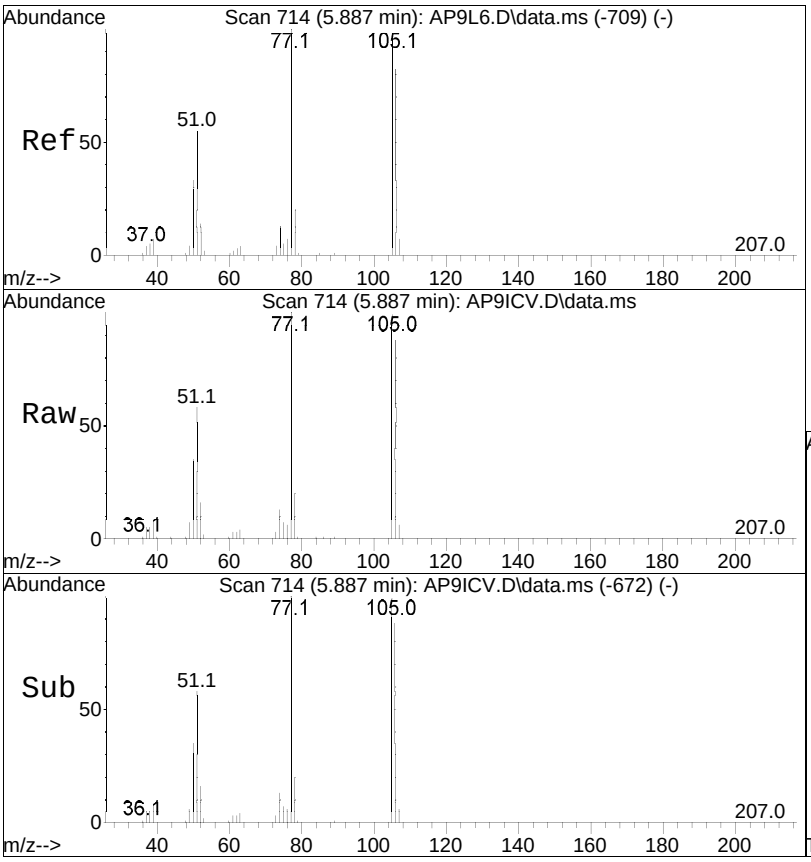
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : AP9ICV.D
Acq On : 25 Jun 2024 12:27 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939040
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 25 06:34:07 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

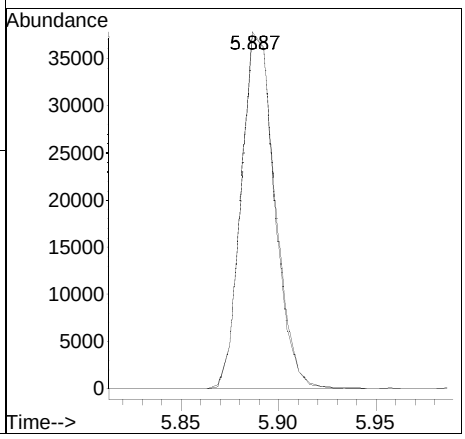


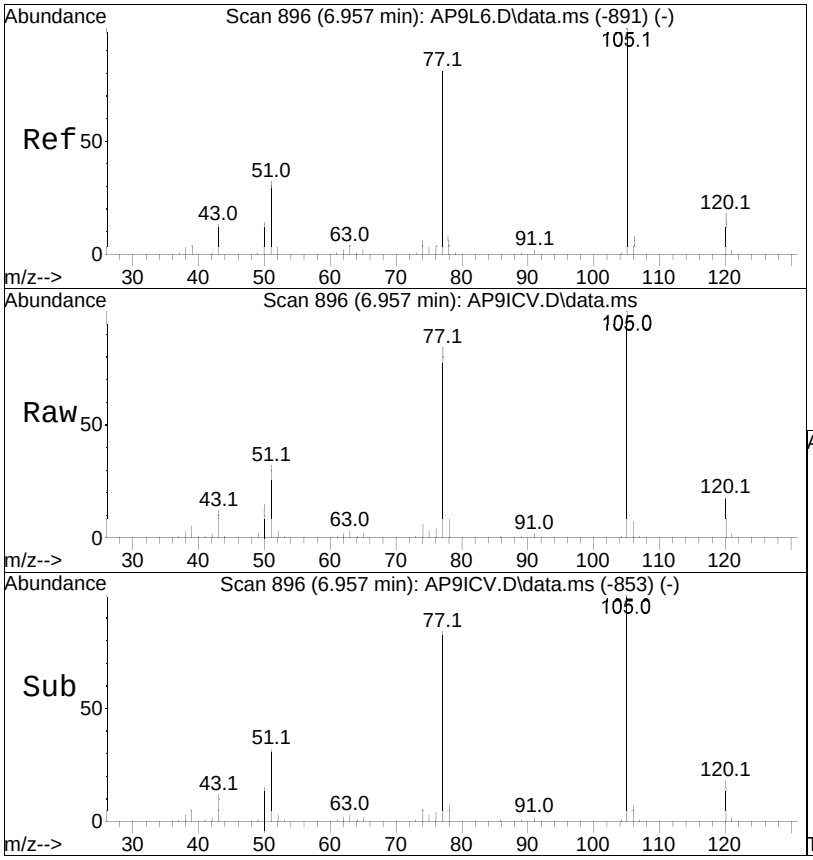


#28
Benzaldehyde
Concen: 4.89 ug/ml
RT: 5.887 min Scan# 714
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:105 Resp: 44470

Ion	Ratio	Lower	Upper
105	100		
77	102.6	82.2	123.4

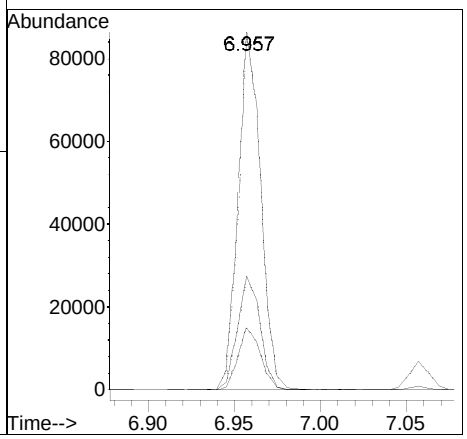


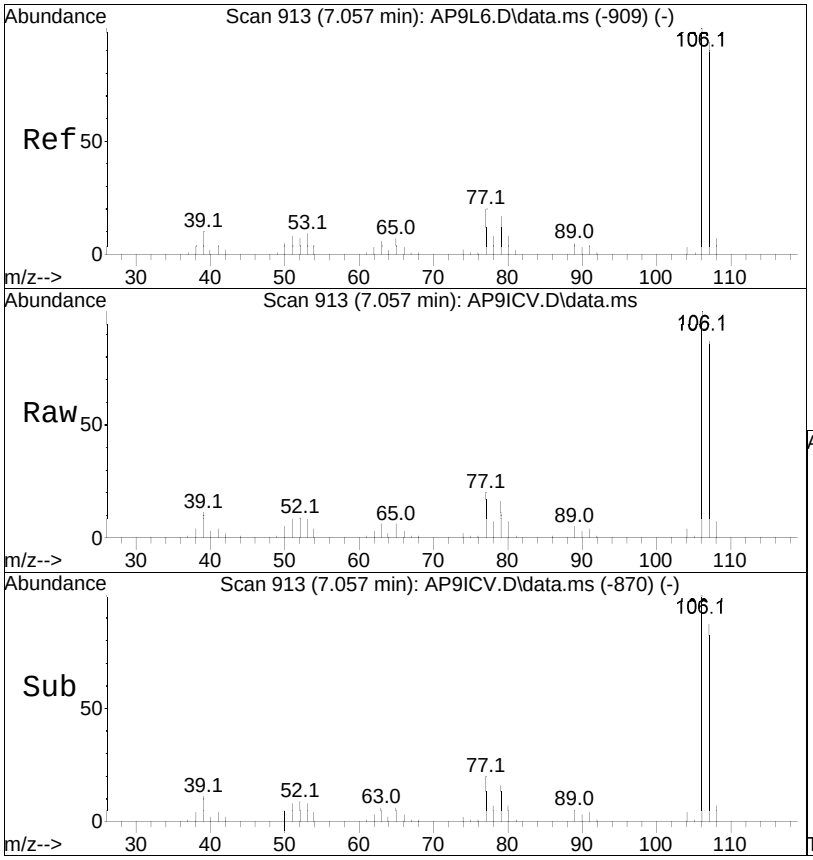


#29
Acetophenone
Concen: 4.69 ug/ml
RT: 6.957 min Scan# 896
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:105 Resp: 77542

Ion	Ratio	Lower	Upper
105	100		
120	17.7	20.5	30.7#
51	32.6	34.9	52.3#

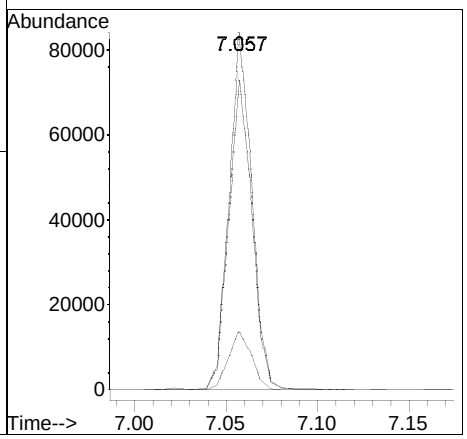


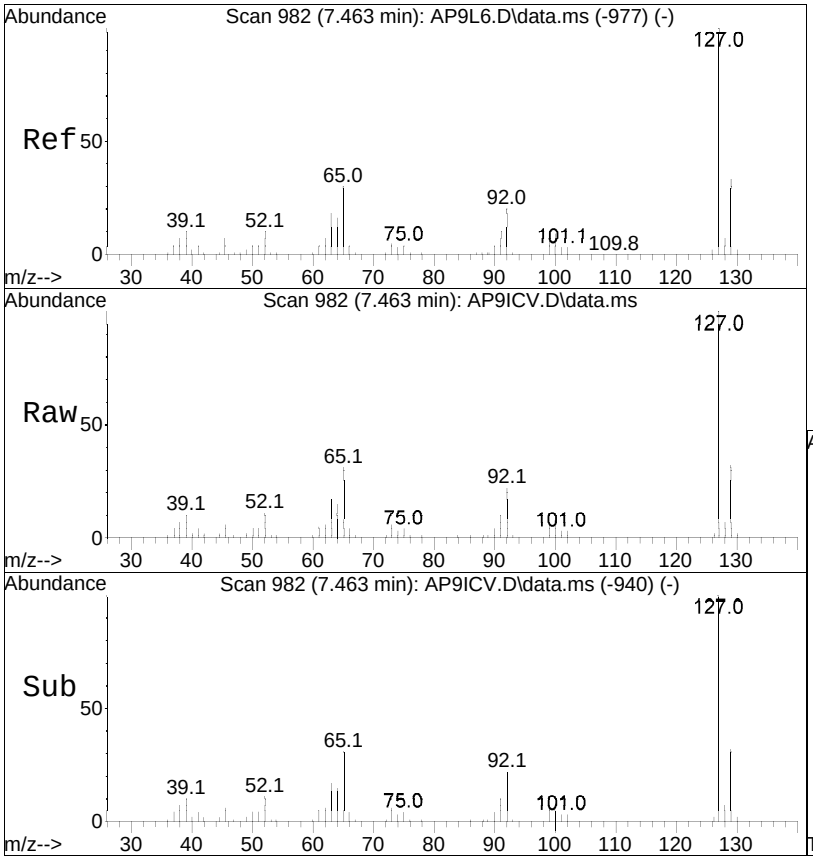


#30
m-Toluidine
Concen: 4.80 ug/ml
RT: 7.057 min Scan# 913
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:106 Resp: 71933

Ion	Ratio	Lower	Upper
106	100		
107	88.7	75.7	113.5
79	16.8	11.8	17.8

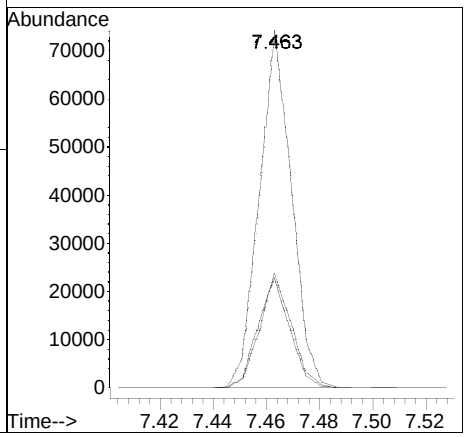


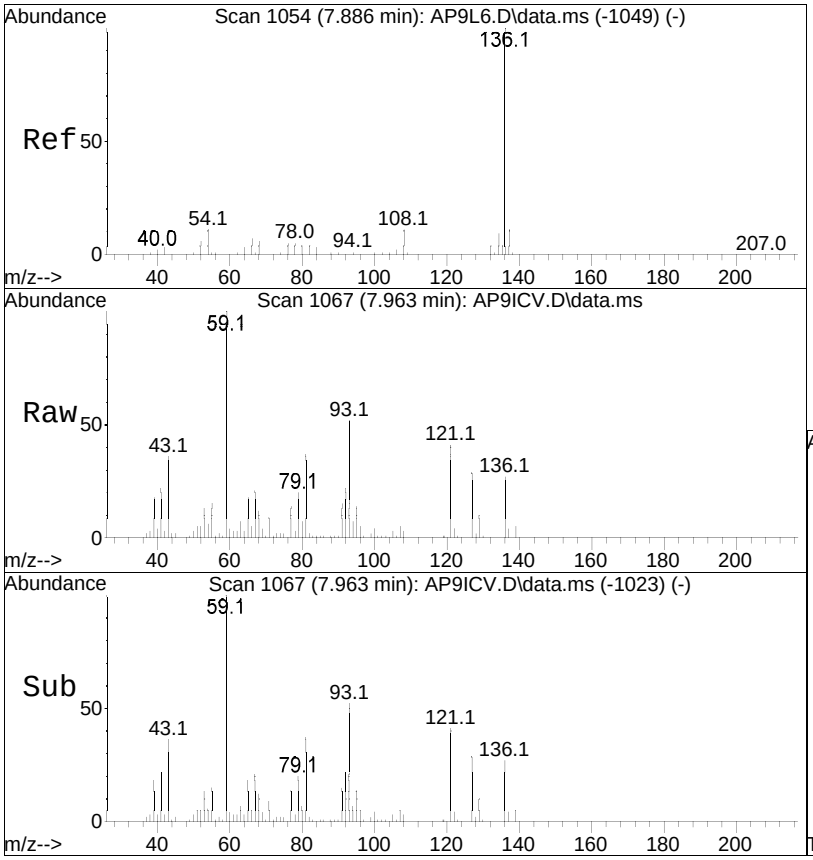


#31
2-Chloroaniline
Concen: 4.71 ug/ml
RT: 7.463 min Scan# 982
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:127 Resp: 61713

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.9	38.9
65	30.6	26.3	39.5

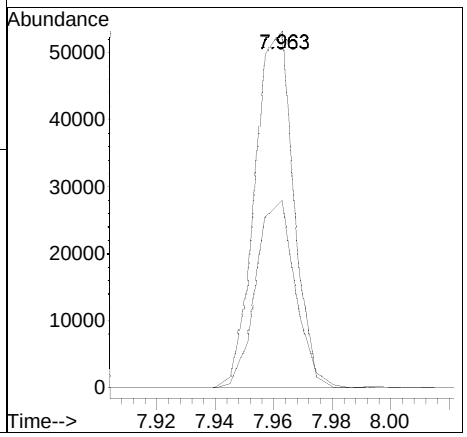


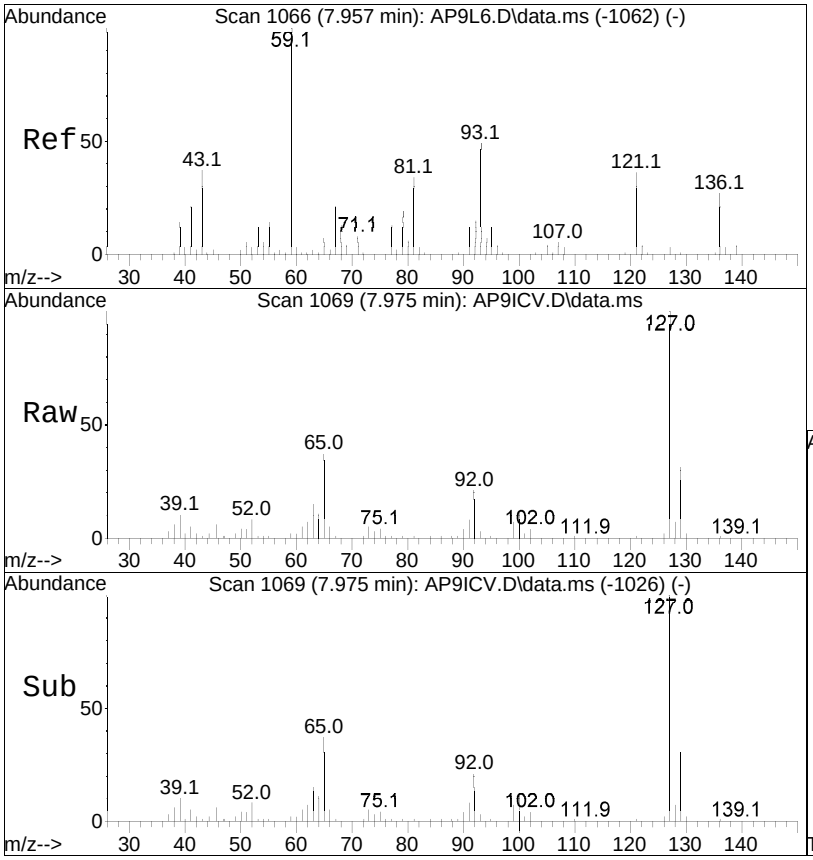


#56
a-Terpineol
Concen: 4.55 ug/ml
RT: 7.963 min Scan# 1067
Delta R.T. 0.006 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 59 Resp: 48862

Ion	Ratio	Lower	Upper
59	100		
93	54.3	35.6	53.4#

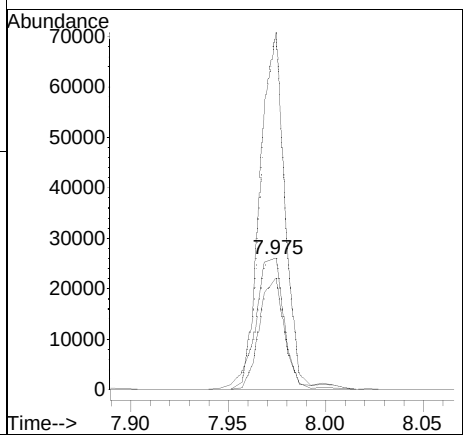


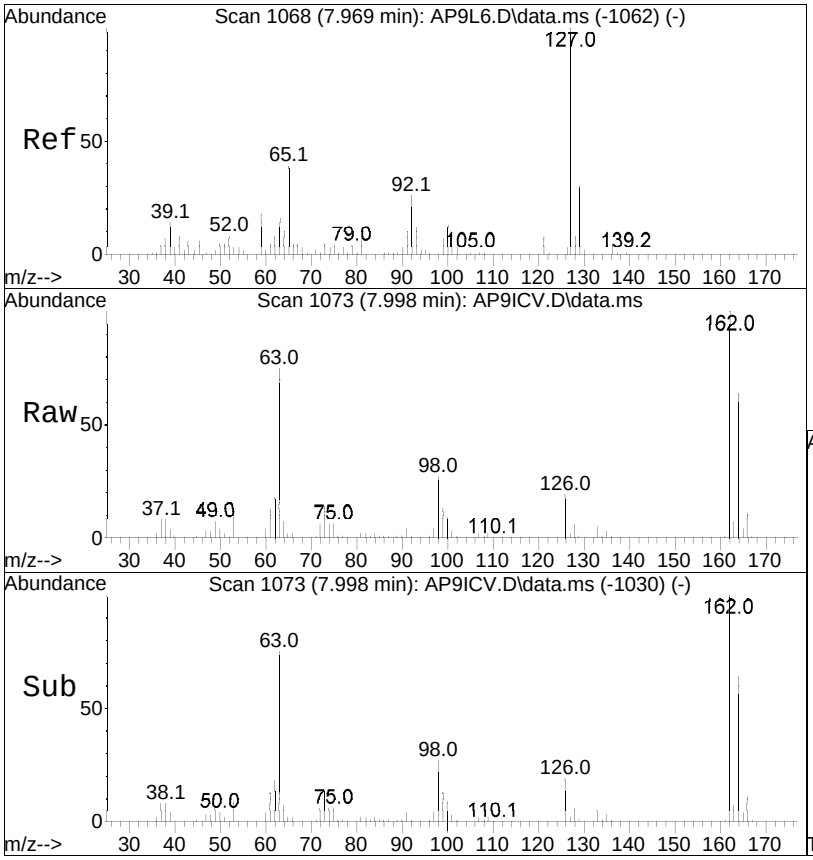


#57
3-Chloroaniline
Concen: 5.06 ug/ml
RT: 7.975 min Scan# 1069
Delta R.T. 0.006 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 65 Resp: 27239

Ion	Ratio	Lower	Upper
65	100		
127	227.1	243.2	364.8#
129	73.0	78.8	118.2#

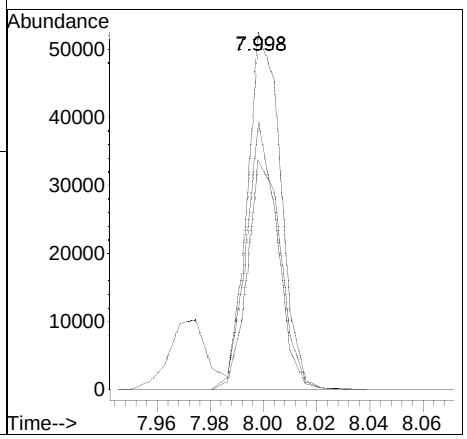


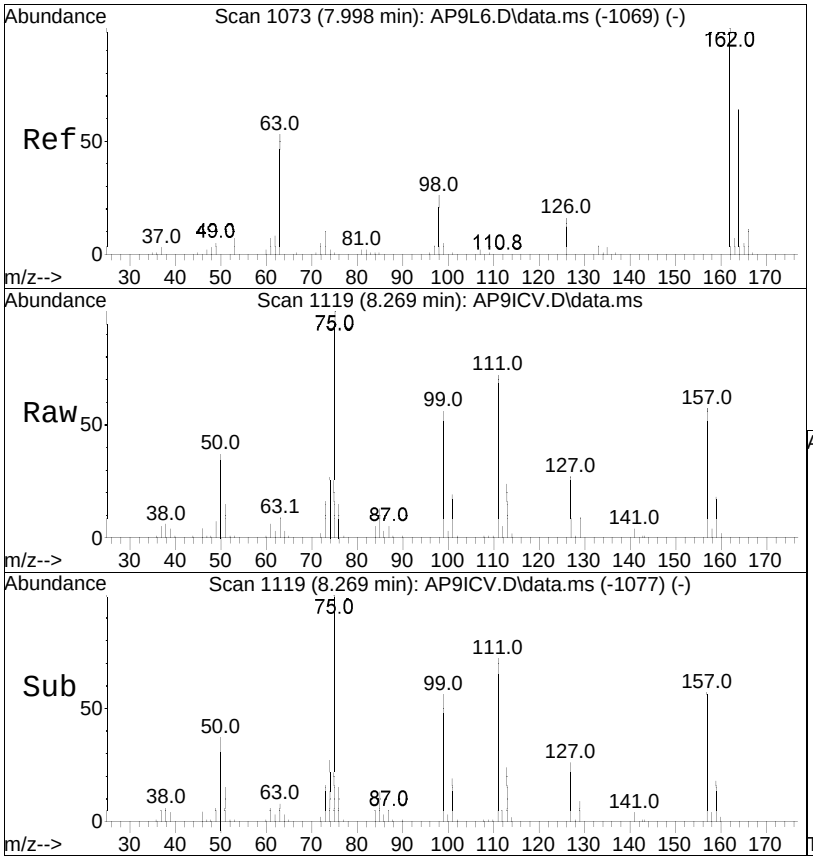


#58
2,6-Dichlorophenol
Concen: 4.75 ug/ml
RT: 7.998 min Scan# 1073
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:162 Resp: 46077

Ion	Ratio	Lower	Upper
162	100		
164	64.6	51.1	76.7
63	67.7	60.8	91.2

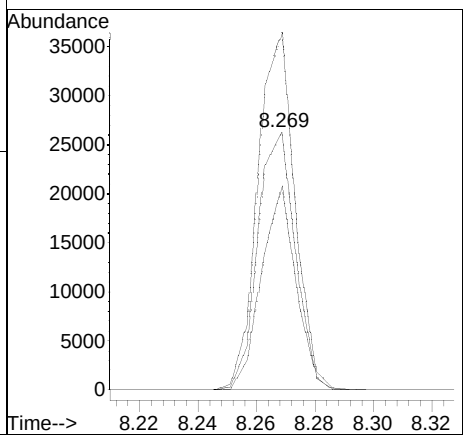


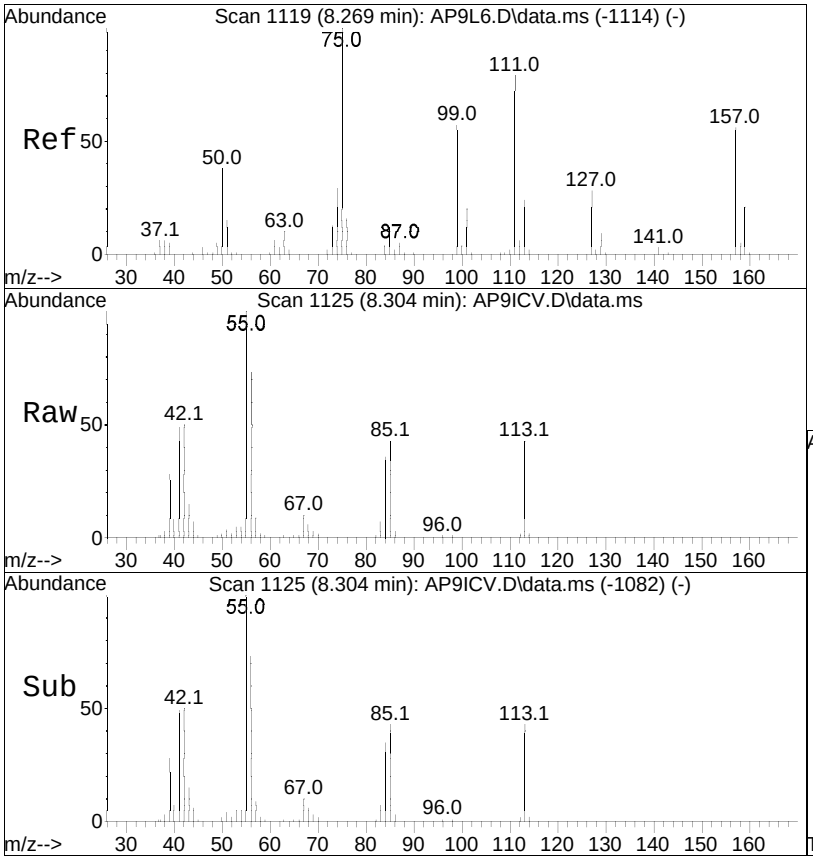


#59
1-chloro-2-nitrobenzene
Concen: 4.81 ug/ml
RT: 8.269 min Scan# 1119
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:111 Resp: 23253

Ion	Ratio	Lower	Upper
111	100		
157	72.8	0.0	0.0#
75	137.0	28.2	42.2#

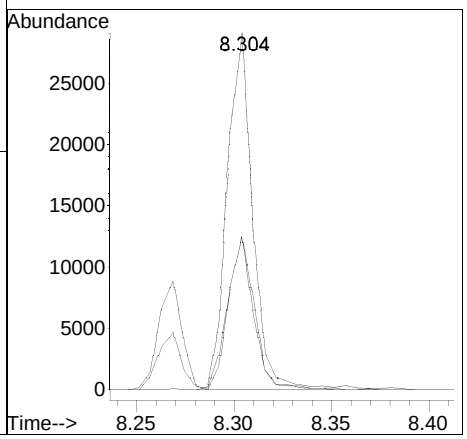


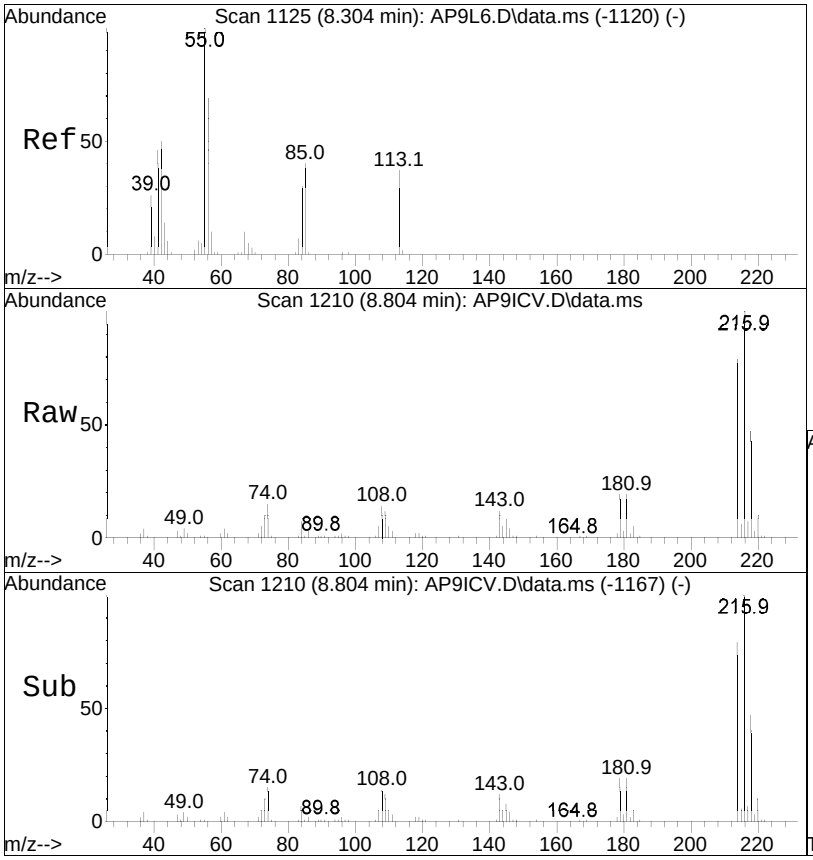


#60
Caprolactam
Concen: 4.72 ug/ml
RT: 8.304 min Scan# 1125
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion: 55 Resp: 26621

Ion	Ratio	Lower	Upper
55	100		
85	43.8	19.8	29.6#
113	43.8	29.6	44.4

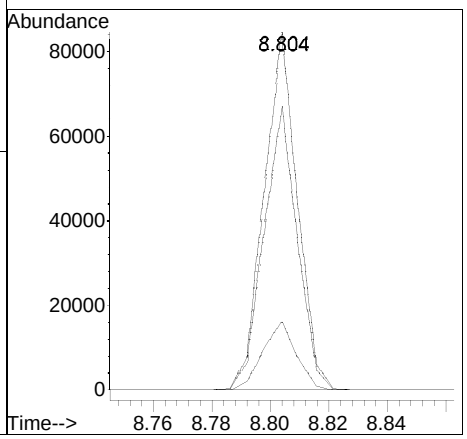


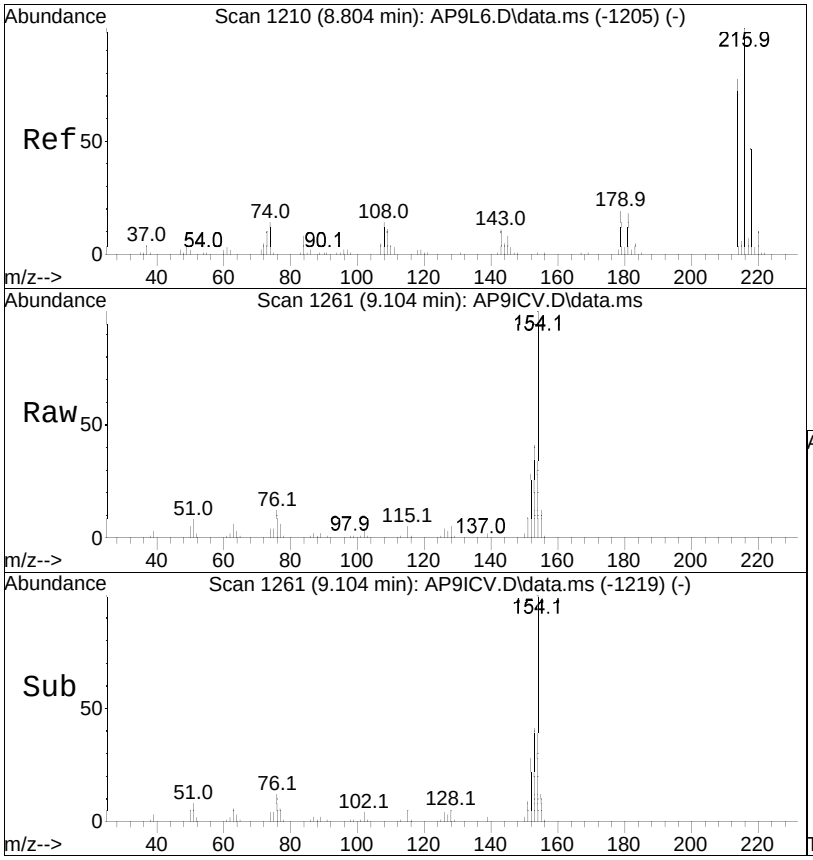


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.50 ug/ml
RT: 8.804 min Scan# 1210
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:216 Resp: 66156

Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.7	95.5
179	19.3	19.0	28.6

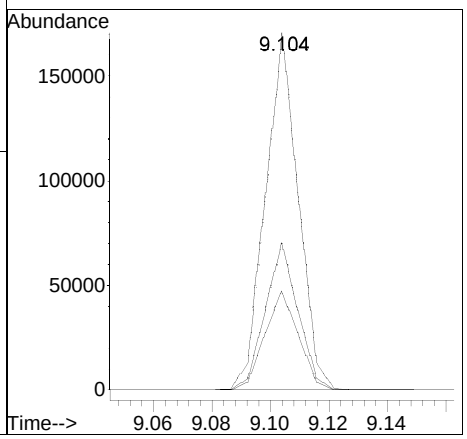


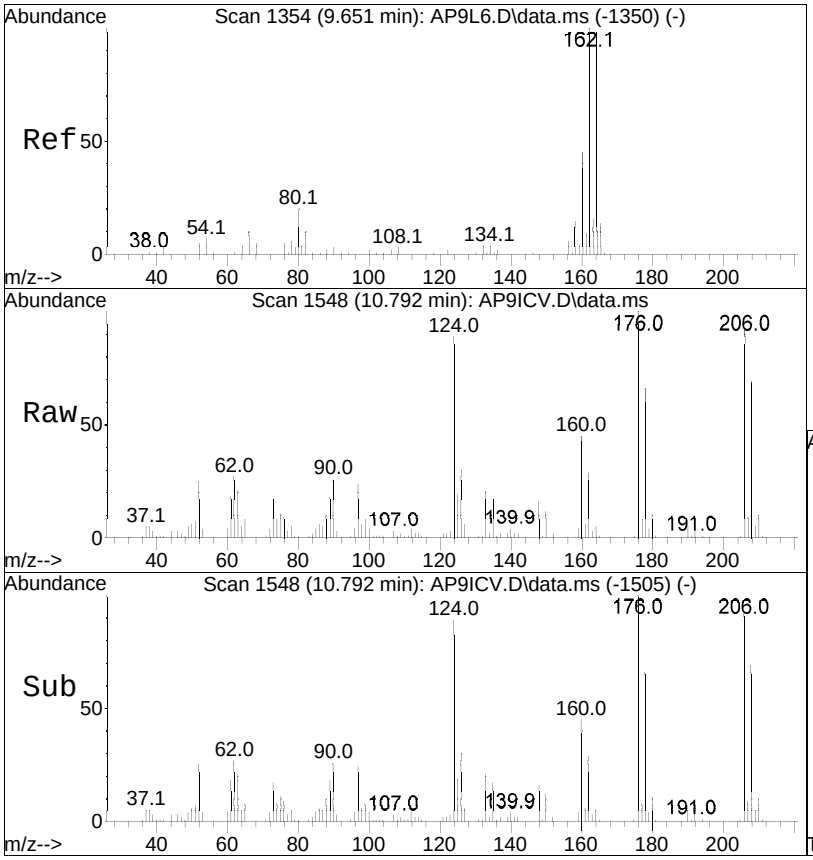


#62
Biphenyl
Concen: 4.53 ug/ml
RT: 9.104 min Scan# 1261
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:154 Resp: 131777

Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
152	28.7	22.5	33.7

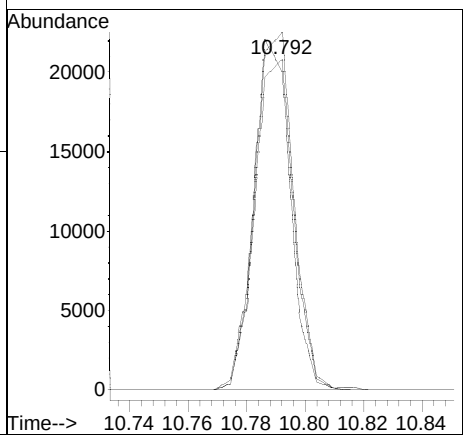


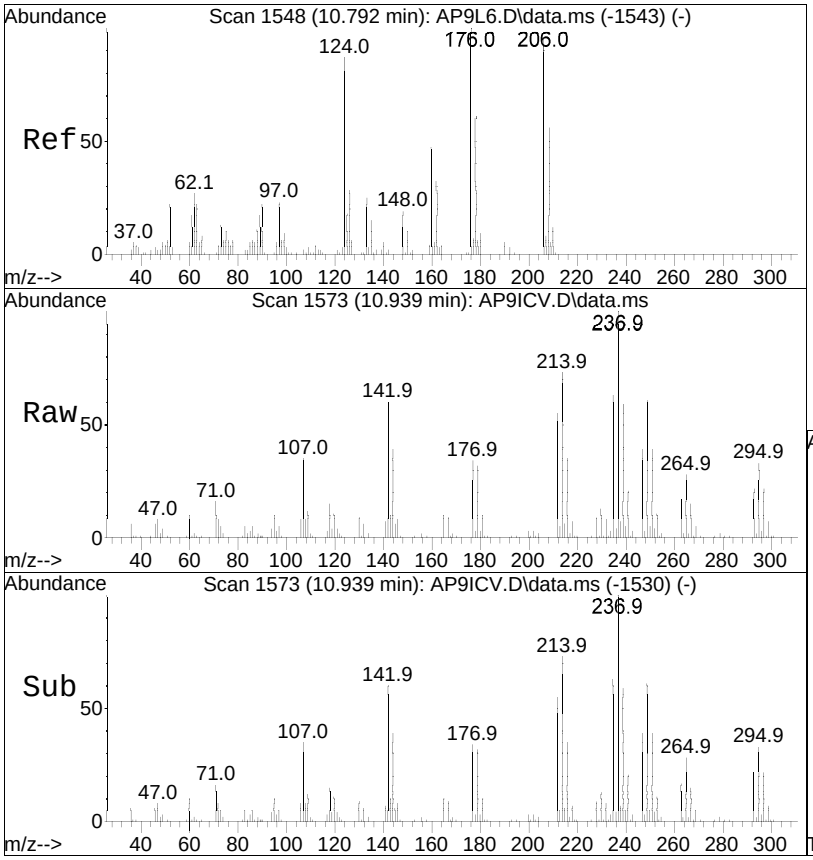


#84
Dichloran
Concen: 4.54 ug/ml
RT: 10.792 min Scan# 1548
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:206 Resp: 19006

Ion	Ratio	Lower	Upper
206	100		
176	108.8	104.6	157.0
124	101.1	130.5	195.7#

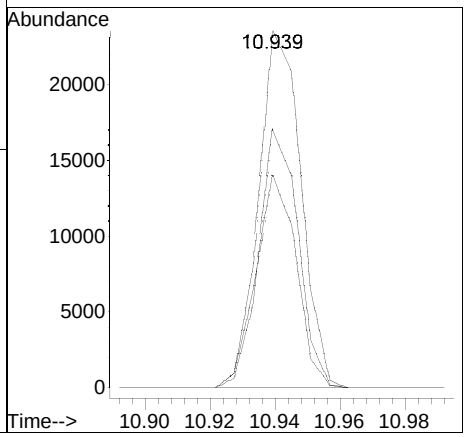


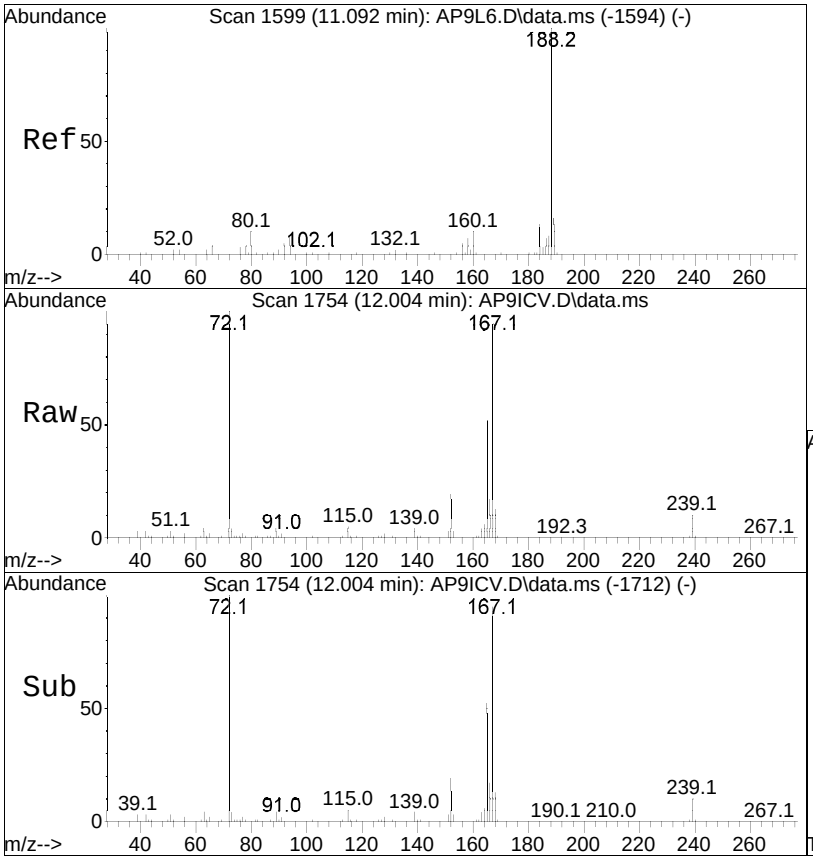


#85
Pentachloronitrobenzene
Concen: 4.65 ug/ml
RT: 10.939 min Scan# 1573
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:237 Resp: 21268

Ion	Ratio	Lower	Upper
237	100		
142	56.9	77.0	115.4#
214	67.4	58.2	87.4

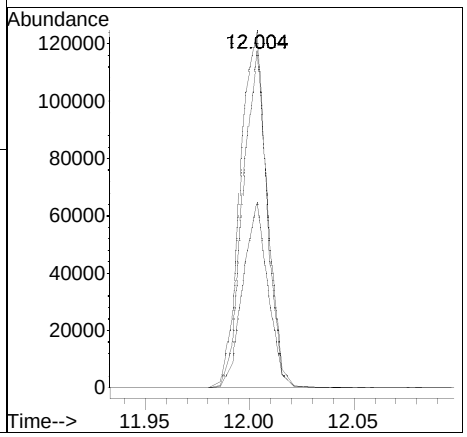




#99
Diphenamid
Concen: 4.59 ug/ml
RT: 12.004 min Scan# 1754
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 25 Jun 2024 12:27 am

Tgt Ion:167 Resp: 96271

Ion	Ratio	Lower	Upper
167	100		
72	111.8	109.7	164.5
165	56.5	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: AP9ICV.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 12:27 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/25/2024 6:34 am

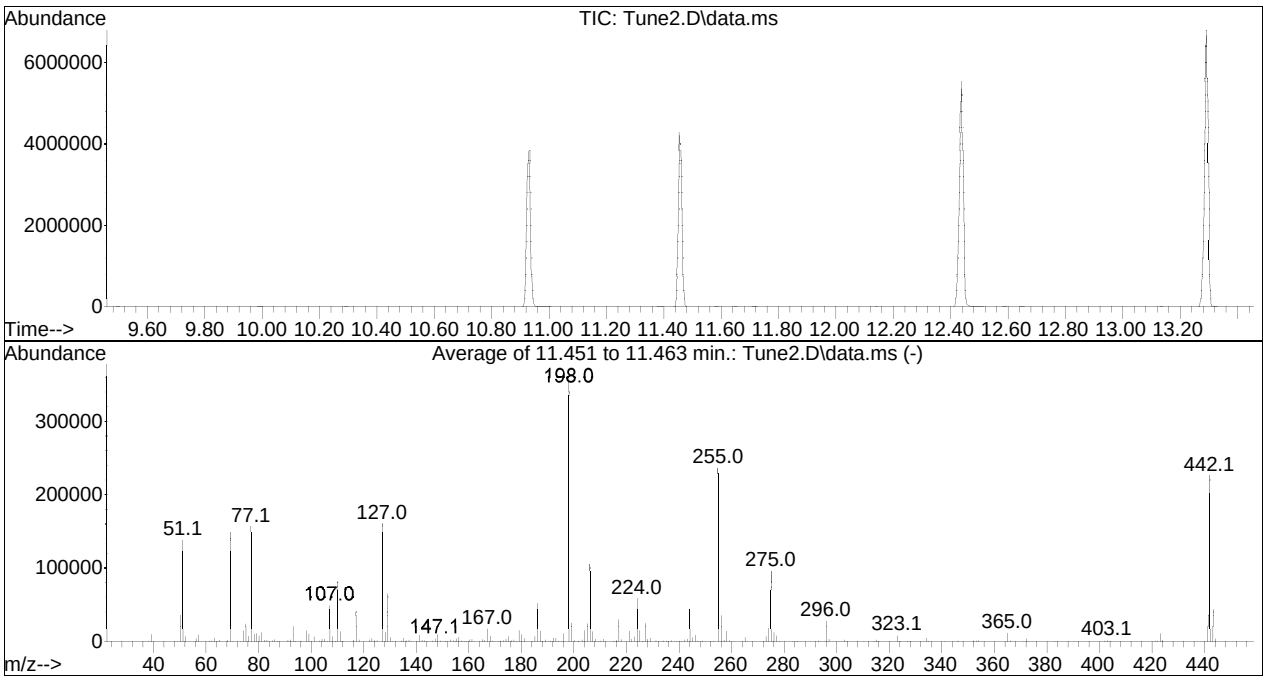
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024



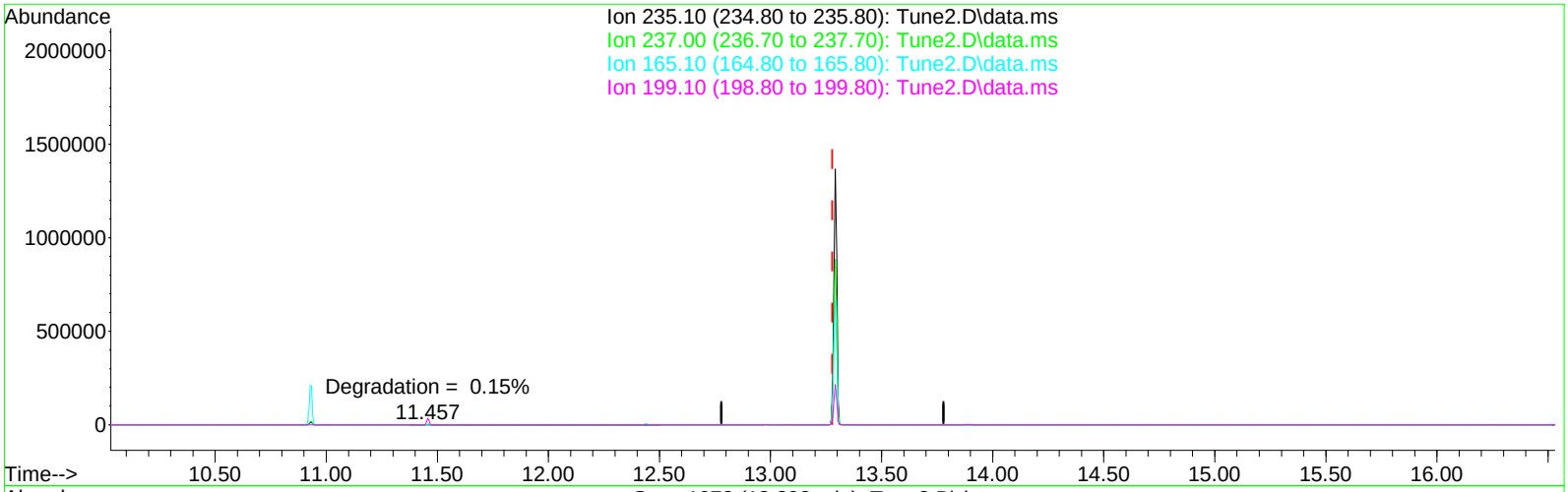
Spectrum Information: Average of 11.451 to 11.463 min.

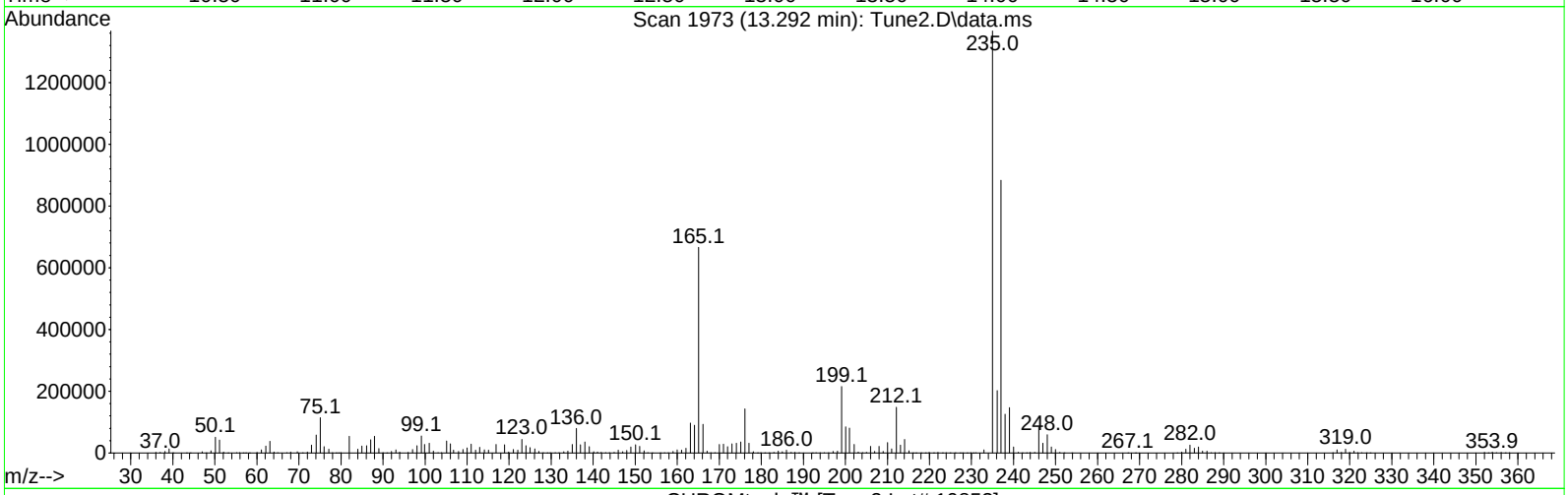
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	137891	PASS
68	69	0.00	2	1.7	2453	PASS
69	69	100	100	100.0	148637	PASS
70	69	0.00	2	0.5	712	PASS
127	198	10	80	44.6	160304	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	359445	PASS
199	198	5	9	7.0	25279	PASS
275	198	10	60	26.6	95504	PASS
365	198	1	100	3.1	11195	PASS
441	442	0.01	24	16.3	36658	PASS
442	198	50	100	62.7	225269	PASS
443	442	15	24	19.4	43760	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(6) DDT (T)

13.292min (+ 0.012) 205.49

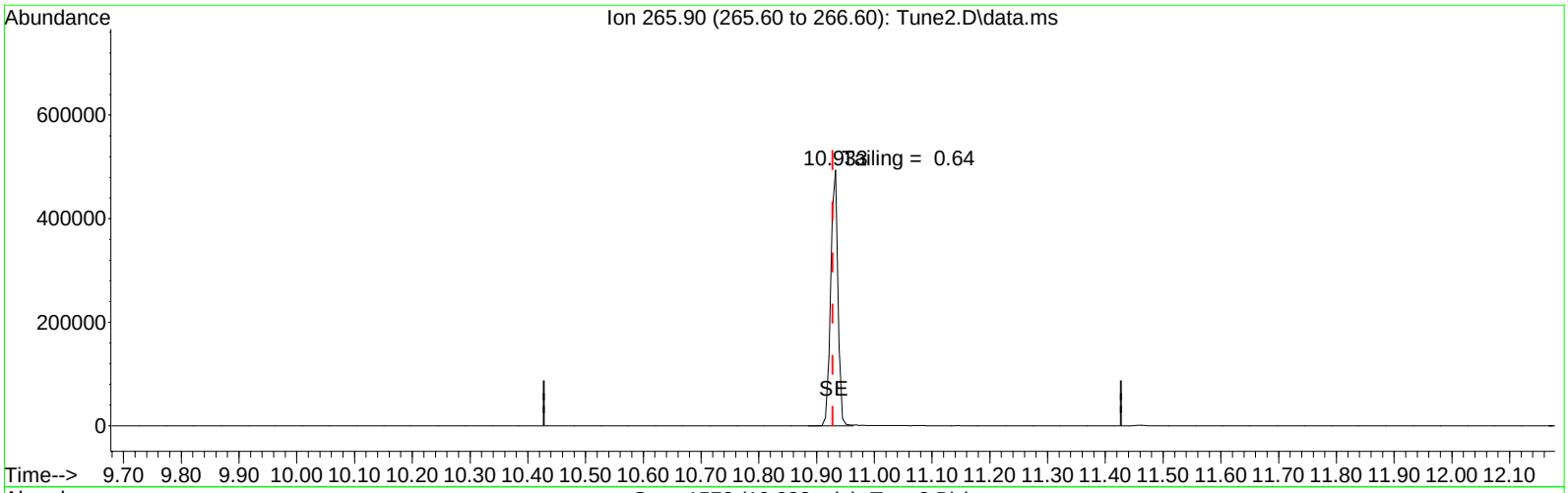
response 1252623

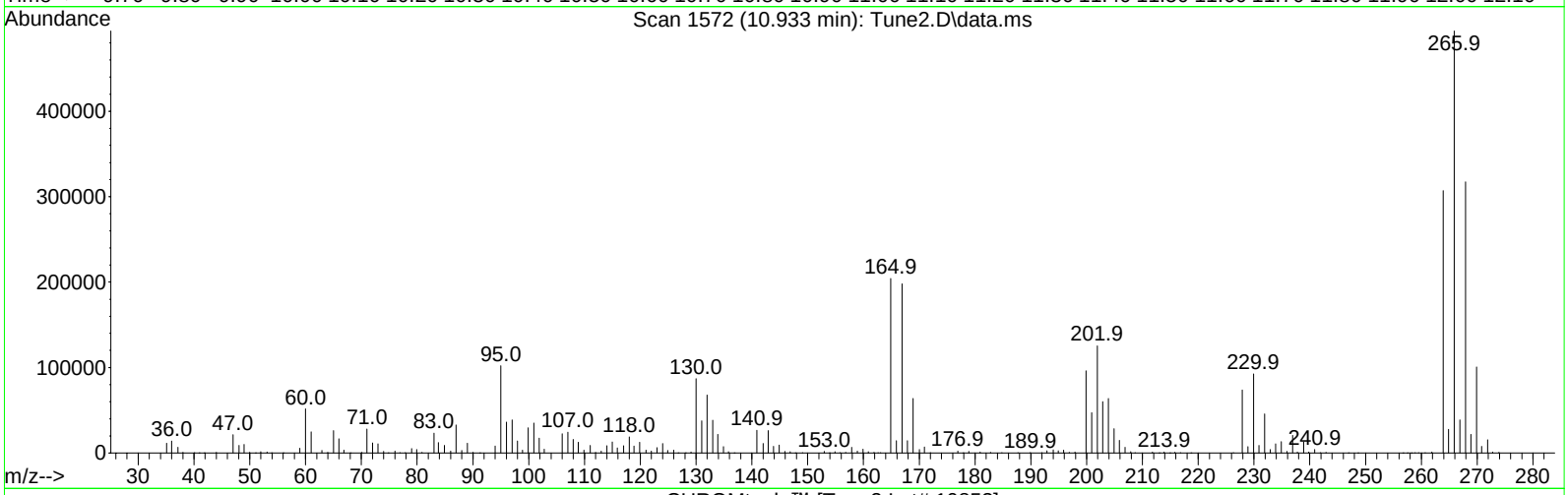
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.41
165.10	44.50	47.74
199.10	14.80	15.51

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(1) Pentachlorophenol (T)

10.933min (+ 0.005) 208.83

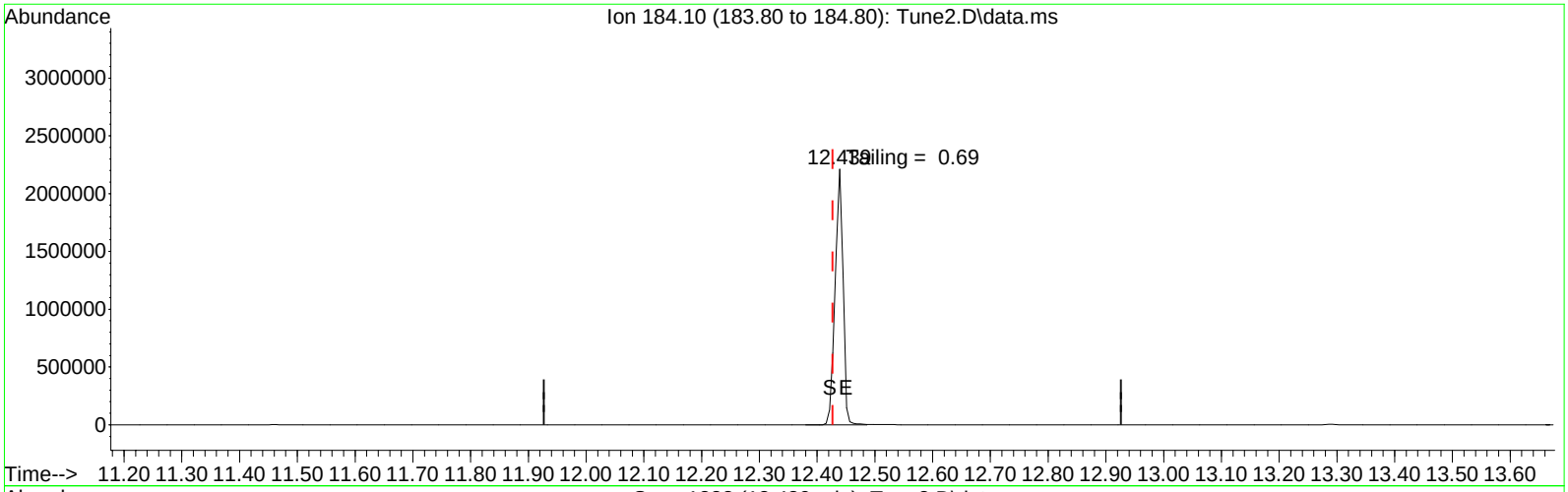
response 438622

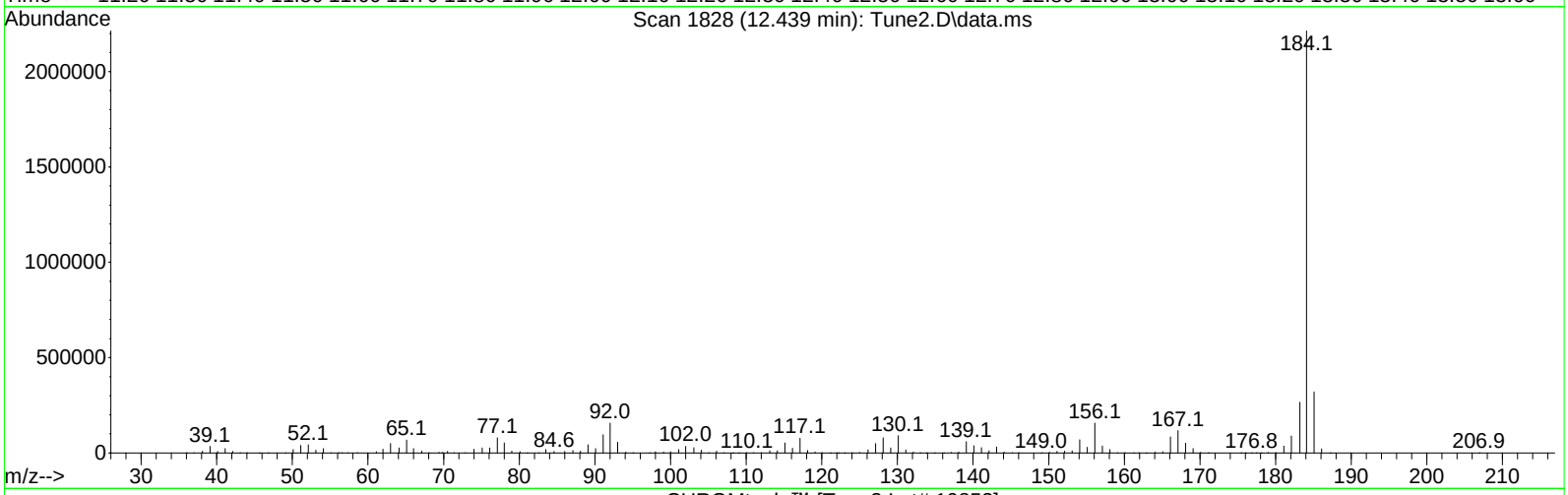
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240624RVTical\
Data File : Tune2.D
Acq On : 25 Jun 2024 12:51 am
Operator : SV106:ljg
Sample : Tune2 Lot# 10853
Misc : WG1939040
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 05:23:43 2024
Quant Method : I:\8270\SV106\240624RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 21 23:55:18 2024
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 10853]

(3) Benzidine (T)

12.439min (+ 0.012) 207.58

response 2113145

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL9.D
Acq On : 25 Jun 2024 1:14 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939040
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 10:13:17 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	33017	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	100.79%		
86) IS3_Acenaphthene-d10	9.657	164	71723	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	93.80%		
100) IS3_Phenanthrene-d10	11.098	188	171323	4.000	ug/ml	# 0.00
Standard Area 1 = 180522			Recovery =	94.90%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	213408	44.234	ug/ml#	100
34) n-Decane	6.363	57	675848	49.265	ug/ml#	44
87) Atrazine	10.874	200	476191	52.207	ug/ml	94
101) n-Octadecane	11.074	57	1016939	47.722	ug/ml#	1
102) Parathion	11.886	109	310962	58.476	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.180	212	2068015	61.068	ug/ml	100

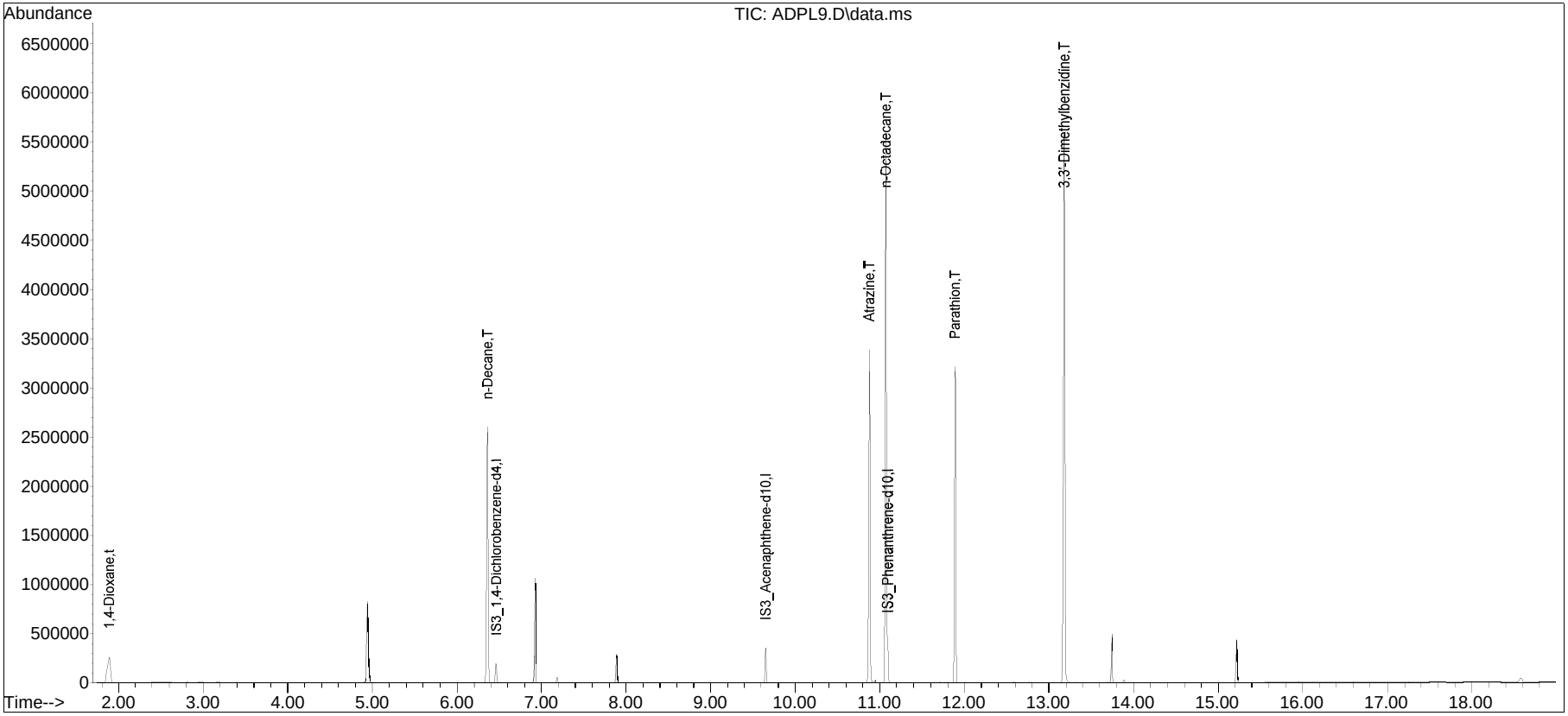
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL9.D
Acq On : 25 Jun 2024 1:14 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939040
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 25 10:13:17 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL9.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 1:14 am	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 6/25/2024 10:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL8.D
Acq On : 25 Jun 2024 1:38 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939040
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 25 10:13:06 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	6.463	152	33304	4.000 ug/ml	0.00
Standard Area 1 = 32759			Recovery =	101.66%	
86) IS3_Acenaphthene-d10	9.651	164	75831	4.000 ug/ml	0.00
Standard Area 1 = 76462			Recovery =	99.17%	
100) IS3_Phenanthrene-d10	11.098	188	183808	4.000 ug/ml	0.00
Standard Area 1 = 180522			Recovery =	101.82%	
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	1.857	88	101538	20.865 ug/ml#	100
34) n-Decane	6.357	57	325546	23.526 ug/ml#	43
87) Atrazine	10.874	200	249095	25.830 ug/ml	95
101) n-Octadecane	11.074	57	575419	25.169 ug/ml#	1
102) Parathion	11.886	109	163023	28.574 ug/ml	99
103) 3,3'-Dimethylbenzidine	13.174	212	1073064	29.535 ug/ml	100

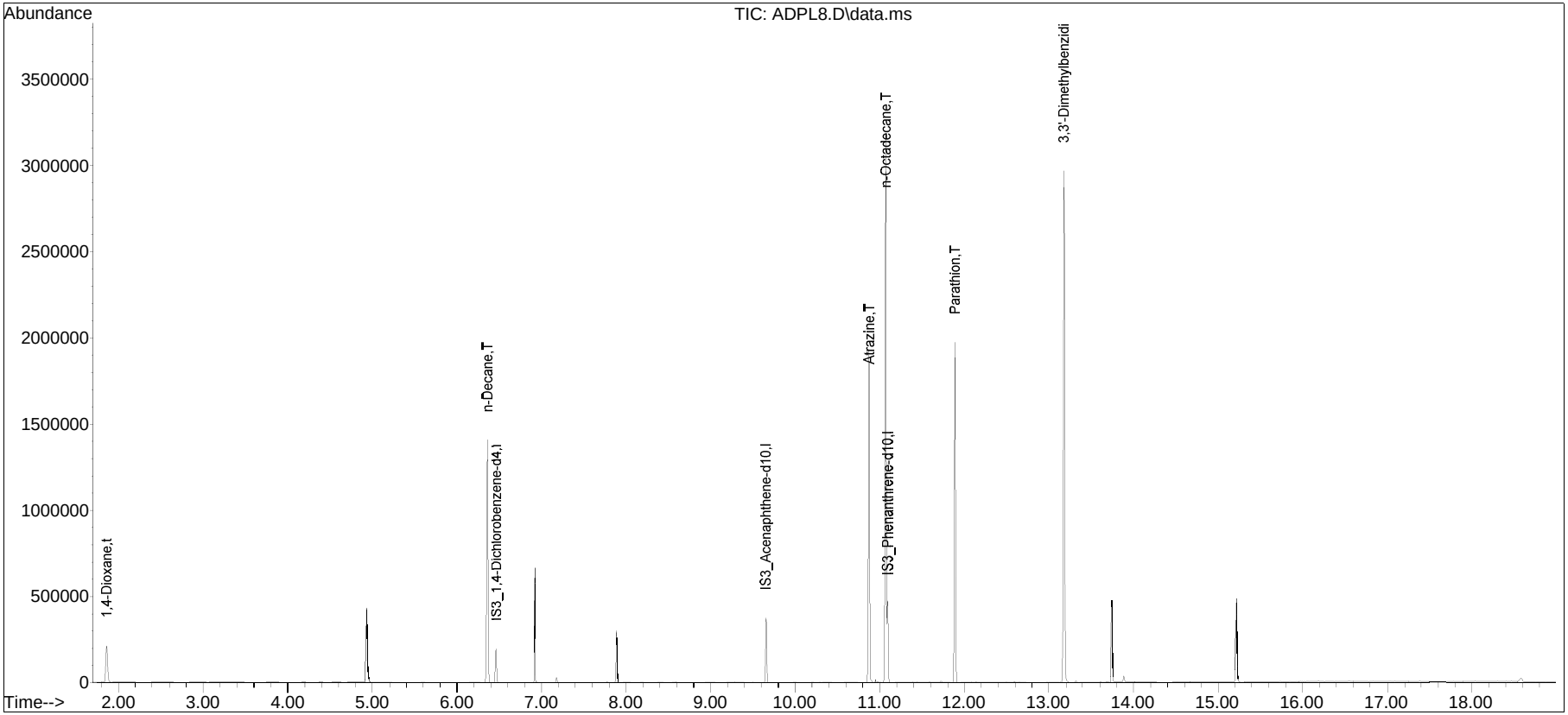
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL8.D
Acq On : 25 Jun 2024 1:38 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939040
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 25 10:13:06 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL8.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 1:38 am	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL7.D
Acq On : 25 Jun 2024 2:02 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939040
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 10:12:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	32637	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	99.63%		
86) IS3_Acenaphthene-d10	9.651	164	75339	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	98.53%		
100) IS3_Phenanthrene-d10	11.092	188	178525	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	98.89%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	41610	8.725	ug/ml#	100
34) n-Decane	6.357	57	133762	9.864	ug/ml#	42
87) Atrazine	10.869	200	96679	10.091	ug/ml	95
101) n-Octadecane	11.074	57	230341	10.373	ug/ml#	1
102) Parathion	11.886	109	58843	10.619	ug/ml	97
103) 3,3'-Dimethylbenzidine	13.174	212	409416	11.602	ug/ml	99

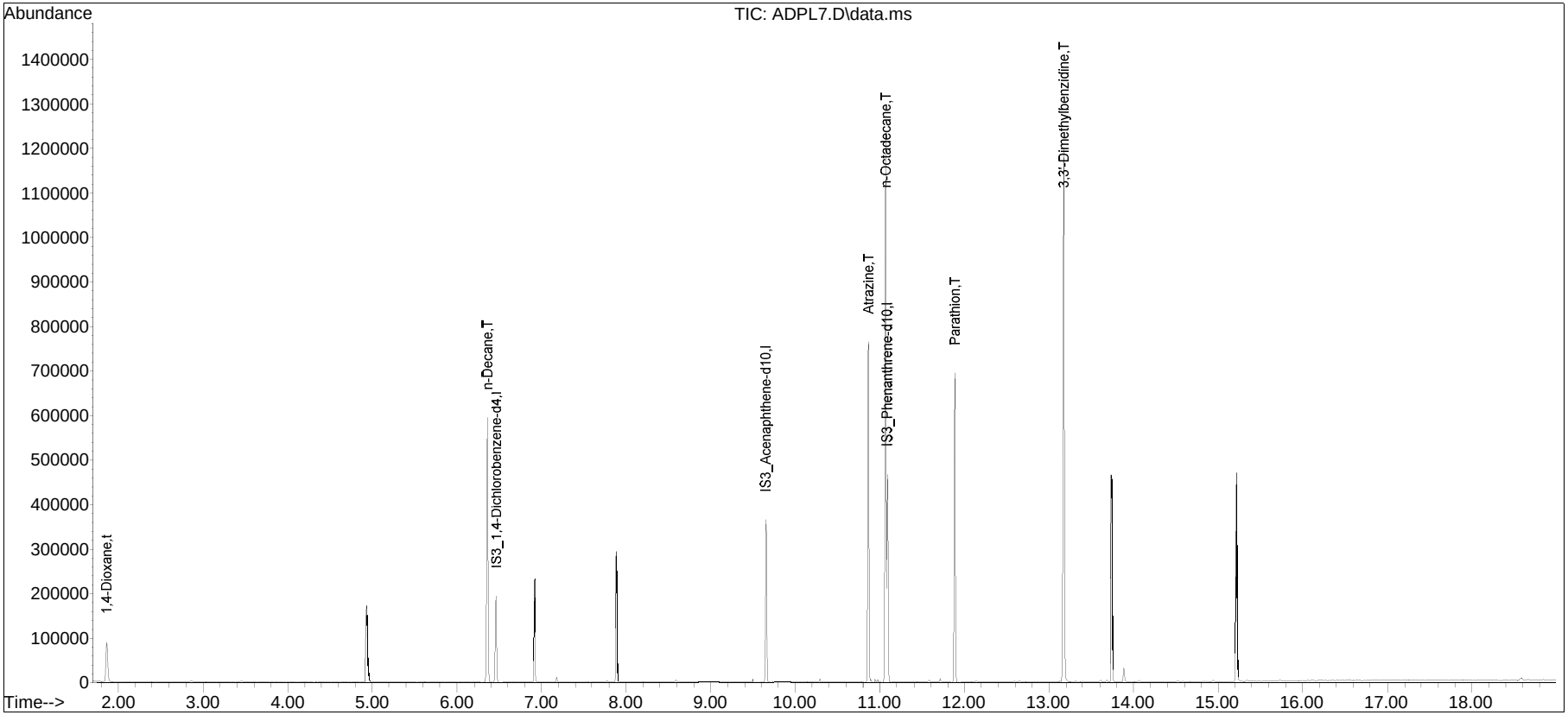
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL7.D
Acq On : 25 Jun 2024 2:02 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939040
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 25 10:12:55 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL7.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:02 am	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL6.D
Acq On : 25 Jun 2024 2:26 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939040
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 10:12:45 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	32759	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	9.651	164	76462	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	11.098	188	180522	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	20128	4.205	ug/ml#	100
34) n-Decane	6.357	57	63146	4.639	ug/ml#	42
87) Atrazine	10.863	200	44293	4.555	ug/ml	97
101) n-Octadecane	11.074	57	104215	4.641	ug/ml#	1
102) Parathion	11.880	109	25479	4.547	ug/ml	99
103) 3,3'-Dimethylbenzidine	13.174	212	180859	5.069	ug/ml	100

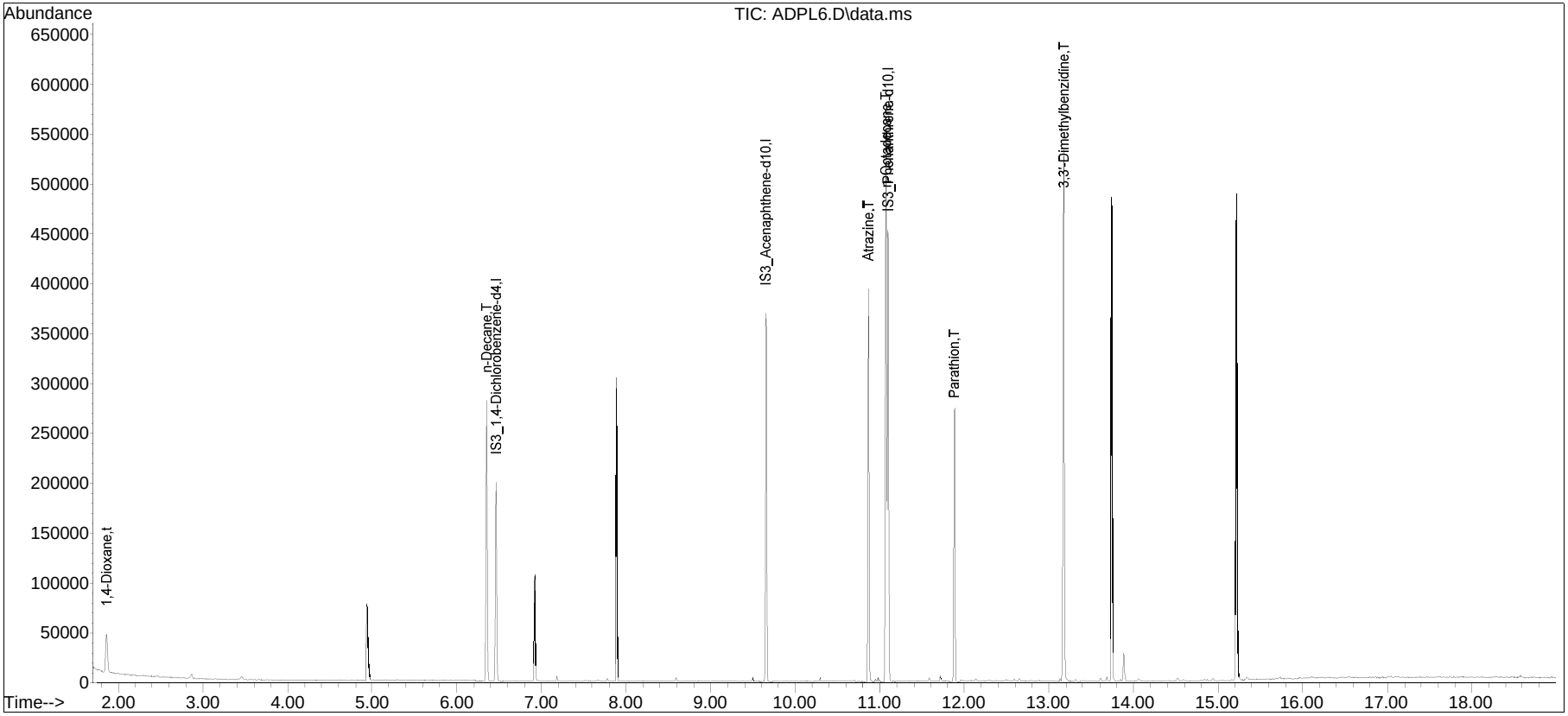
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL6.D
Acq On : 25 Jun 2024 2:26 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939040
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 25 10:12:45 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL6.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:26 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL5.D
Acq On : 25 Jun 2024 2:49 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939040
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 25 10:12:34 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31407	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	95.87%		
86) IS3_Acenaphthene-d10	9.651	164	72577	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	94.92%		
100) IS3_Phenanthrene-d10	11.092	188	169004	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	93.62%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	10534	2.295	ug/ml#	100
34) n-Decane	6.357	57	31955	2.449	ug/ml#	42
87) Atrazine	10.863	200	22254	2.411	ug/ml	96
101) n-Octadecane	11.075	57	51657	2.457	ug/ml#	1
102) Parathion	11.880	109	11573	2.206	ug/ml	96
103) 3,3'-Dimethylbenzidine	13.174	212	87693	2.625	ug/ml	99

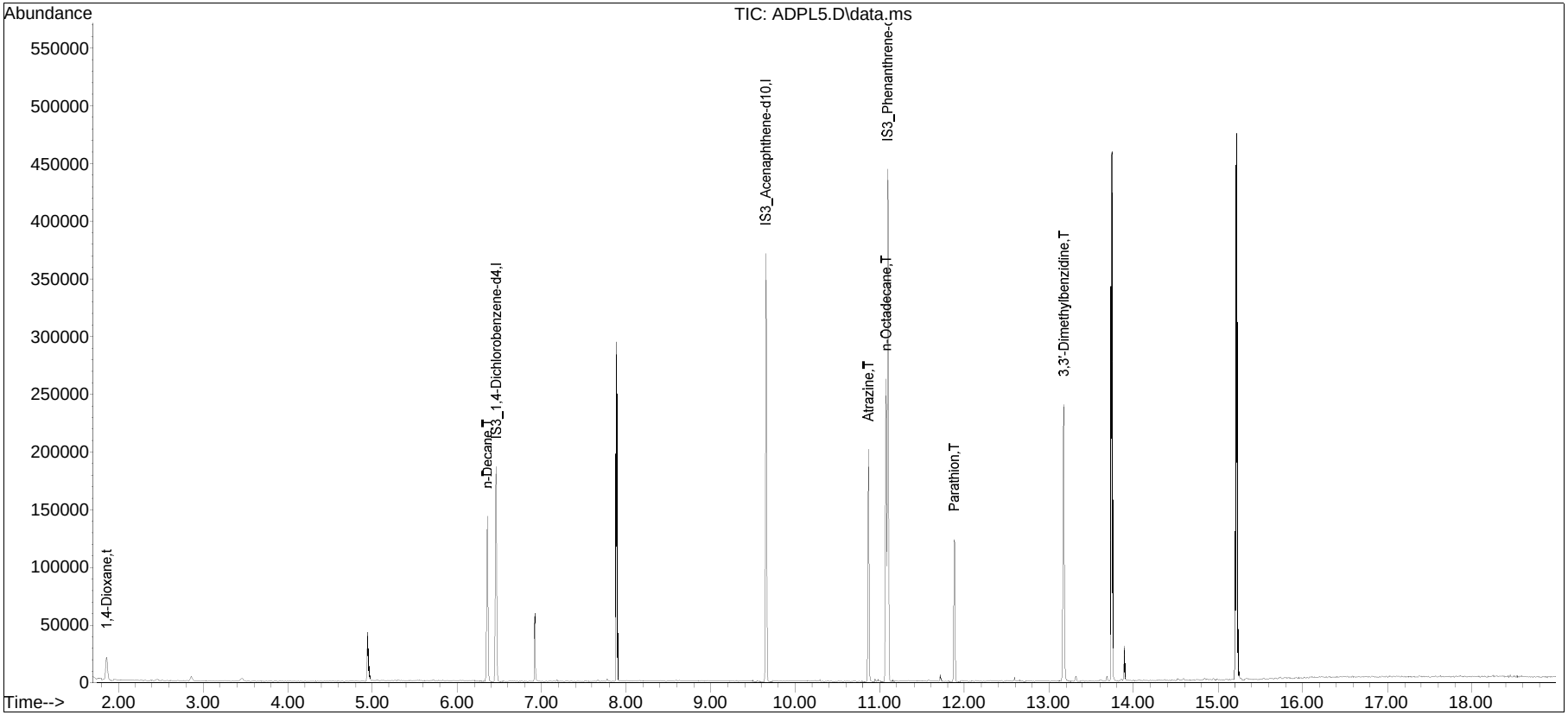
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL5.D
Acq On : 25 Jun 2024 2:49 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939040
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 25 10:12:34 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL5.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 2:49 am	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL4.D
Acq On : 25 Jun 2024 3:13 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939040
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 10:12:24 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.463	152	30616	4.000	ug/ml	0.00
	Standard Area 1 = 32759			Recovery = 93.46%			
86)	IS3_Acenaphthene-d10	9.657	164	68292	4.000	ug/ml	0.00
	Standard Area 1 = 76462			Recovery = 89.31%			
100)	IS3_Phenanthrene-d10	11.098	188	158970	4.000	ug/ml	0.00
	Standard Area 1 = 180522			Recovery = 88.06%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.863	88	4493	1.004	ug/ml#	100
34)	n-Decane	6.357	57	13858	1.089	ug/ml#	39
87)	Atrazine	10.863	200	8830	1.017	ug/ml	93
101)	n-Octadecane	11.074	57	19907	1.007	ug/ml#	1
102)	Parathion	11.880	109	4303	0.872	ug/ml	96
103)	3,3'-Dimethylbenzidine	13.174	212	31093	0.990	ug/ml	99

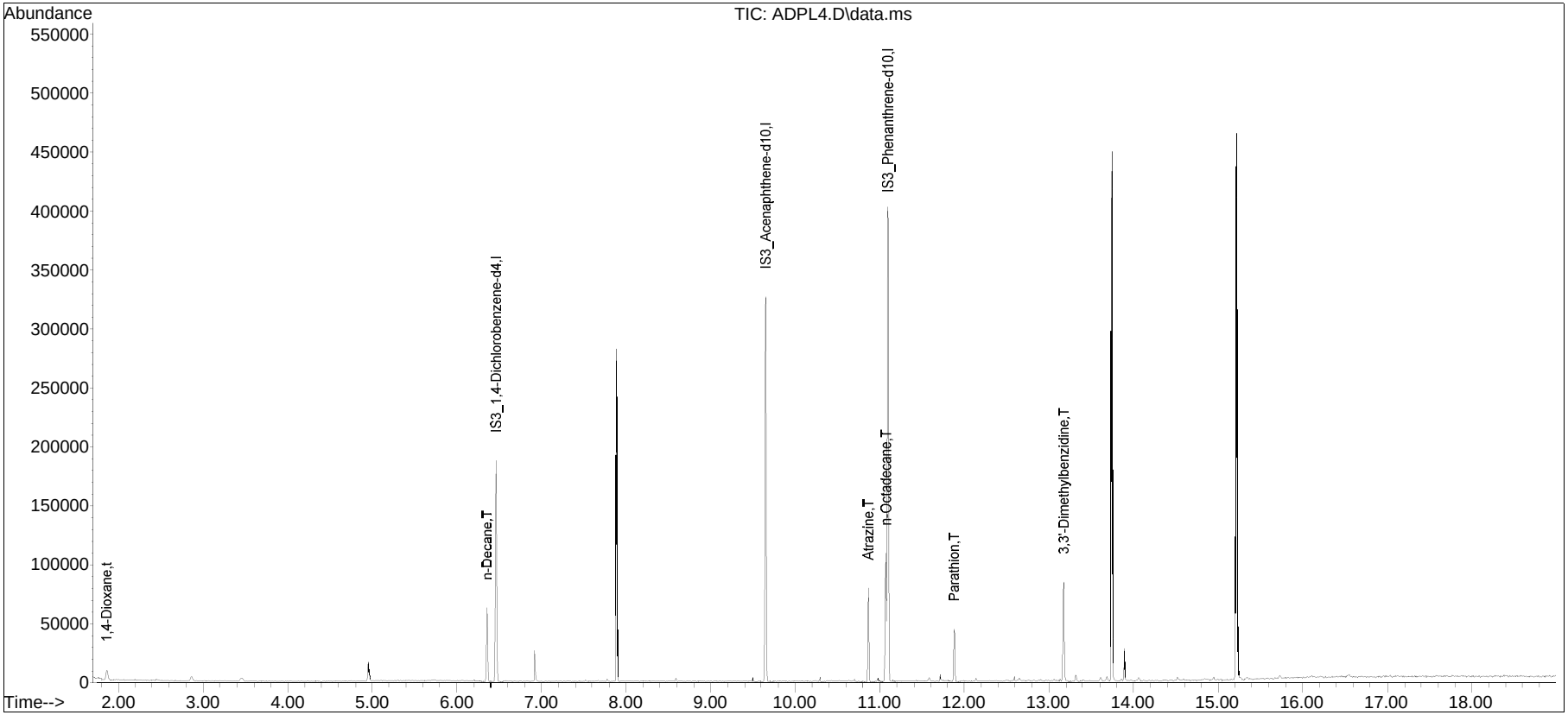
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL4.D
Acq On : 25 Jun 2024 3:13 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939040
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 25 10:12:24 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL4.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 3:13 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 10801	Quant Date	: 6/25/2024 10:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL3.D
Acq On : 25 Jun 2024 3:37 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939040
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 25 10:12:13 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	30341	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	92.62%		
86) IS3_Acenaphthene-d10	9.651	164	67449	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	88.21%		
100) IS3_Phenanthrene-d10	11.092	188	158557	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	87.83%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.863	88	2381M6	0.537	ug/ml	
34) n-Decane	6.357	57	6394	0.507	ug/ml#	39
87) Atrazine	10.863	200	4137	0.482	ug/ml	99
101) n-Octadecane	11.074	57	9983	0.506	ug/ml#	1
102) Parathion	11.880	109	2532	0.514	ug/ml	90
103) 3,3'-Dimethylbenzidine	13.168	212	14072	0.449	ug/ml	99

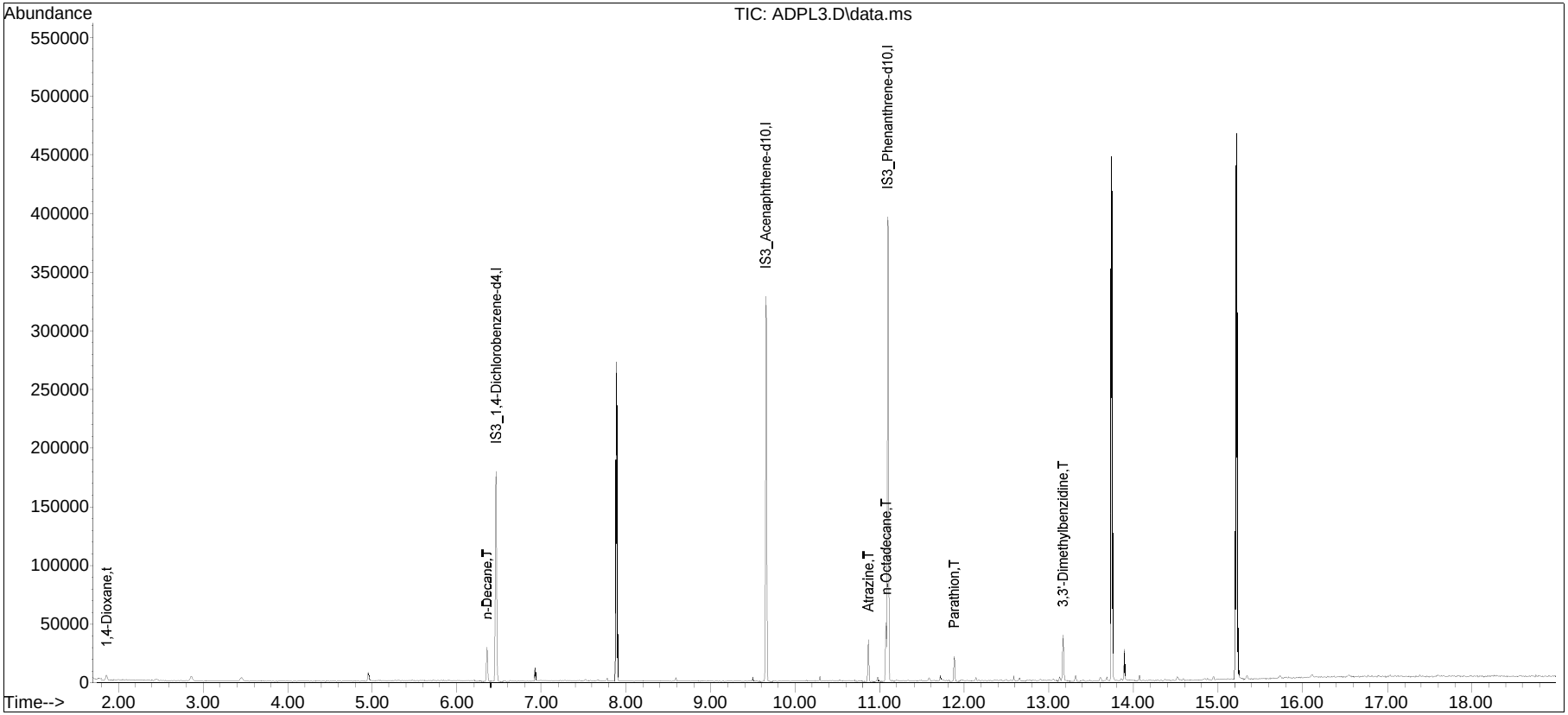
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL3.D
Acq On : 25 Jun 2024 3:37 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939040
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 25 10:12:13 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

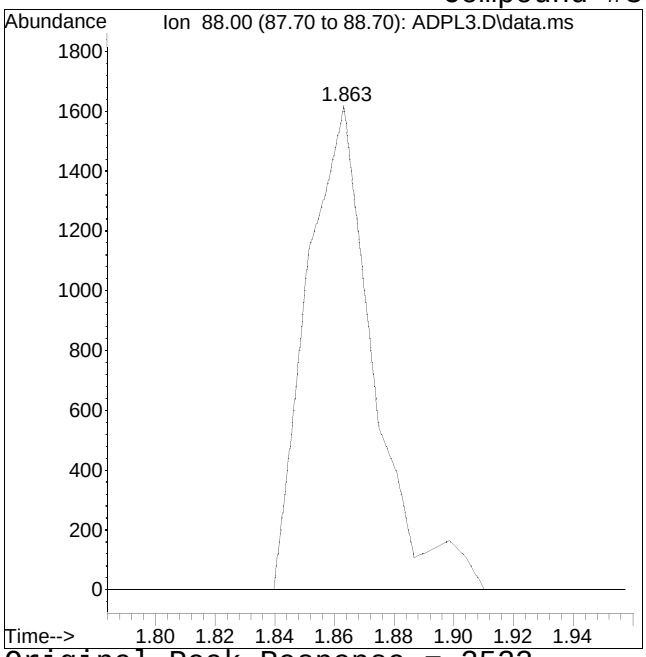
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



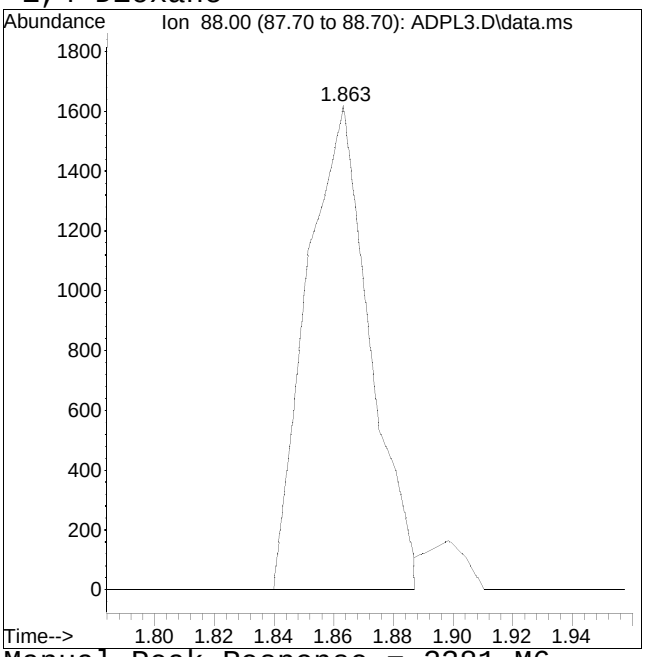
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ADPL3.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 3:37 am Instrument : SV 106
Sample : IL8,32,,ADPL0.5 Lot# 10802Quant Date : 6/25/2024 10:12 am

Compound #33: 1,4-Dioxane



Original Peak Response = 2523



Manual Peak Response = 2381 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL2.D
Acq On : 25 Jun 2024 4:01 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939040
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 10:11:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31931	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery =	97.47%		
86) IS3_Acenaphthene-d10	9.651	164	68863	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery =	90.06%		
100) IS3_Phenanthrene-d10	11.092	188	158571	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery =	87.84%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.869	88	1140	0.244	ug/ml#	100
34) n-Decane	6.357	57	2770	0.209	ug/ml#	46
87) Atrazine	10.863	200	1642	0.187	ug/ml	98
101) n-Octadecane	11.075	57	3681	0.187	ug/ml#	1
102) Parathion	11.880	109	1023	0.208	ug/ml#	67
103) 3,3'-Dimethylbenzidine	13.174	212	5078	0.162	ug/ml#	96

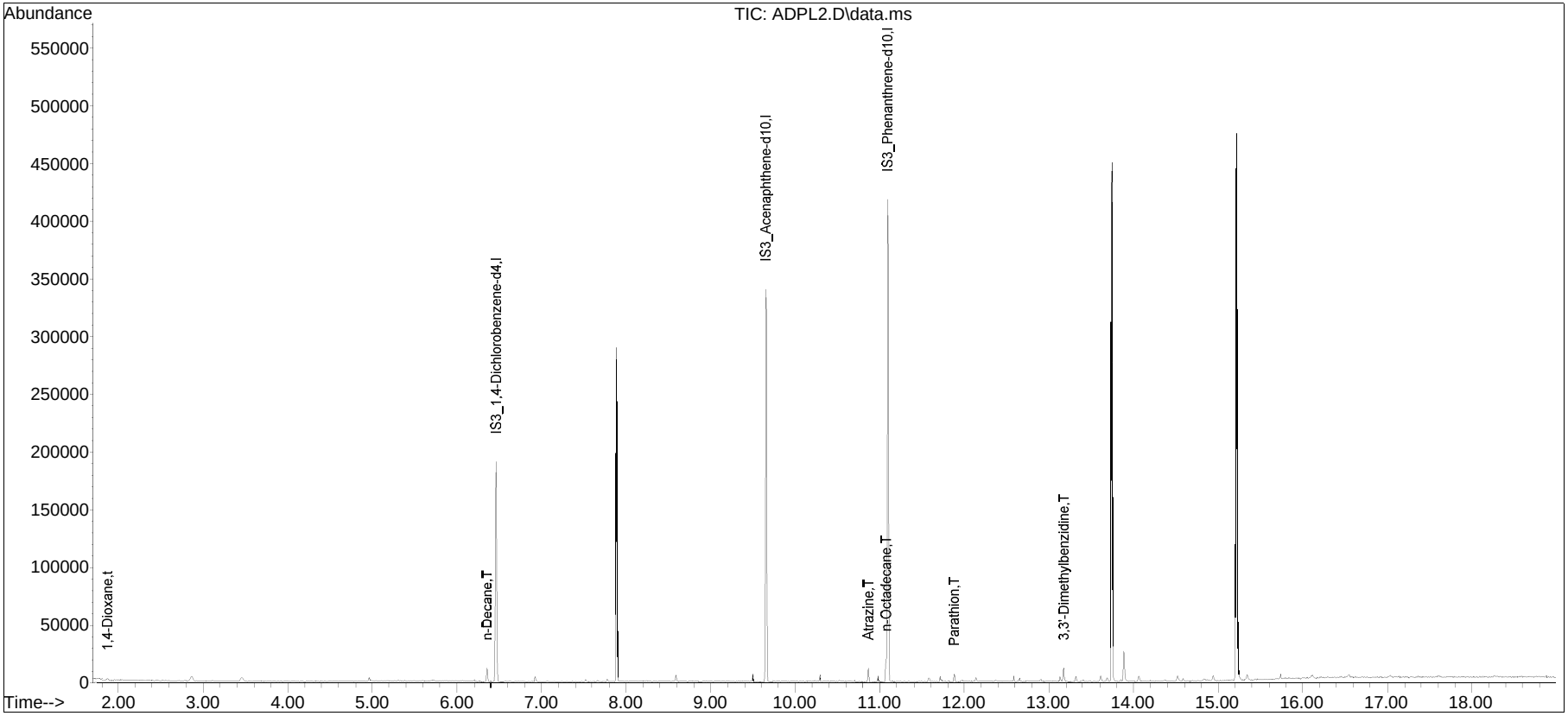
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL2.D
Acq On : 25 Jun 2024 4:01 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939040
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 25 10:11:11 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPL2.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 4:01 am	Instrument	: SV 106
Sample	: IL9,32,,ADPL0.2 Lot# 10803	Quant Date	: 6/25/2024 10:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL1.D
Acq On : 25 Jun 2024 4:24 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939040
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 25 10:10:33 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	31706	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery = 96.79%			
86) IS3_Acenaphthene-d10	9.651	164	74255	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery = 97.11%			
100) IS3_Phenanthrene-d10	11.092	188	175220	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery = 97.06%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	625	0.135	ug/ml#	100
34) n-Decane	6.357	57	1360	0.103	ug/ml#	34
87) Atrazine	10.863	200	1057	0.112	ug/ml#	33
101) n-Octadecane	11.074	57	2480	0.114	ug/ml#	1
102) Parathion	11.880	109	486M2	0.089	ug/ml	
103) 3,3'-Dimethylbenzidine	13.174	212	2340	0.068	ug/ml#	75

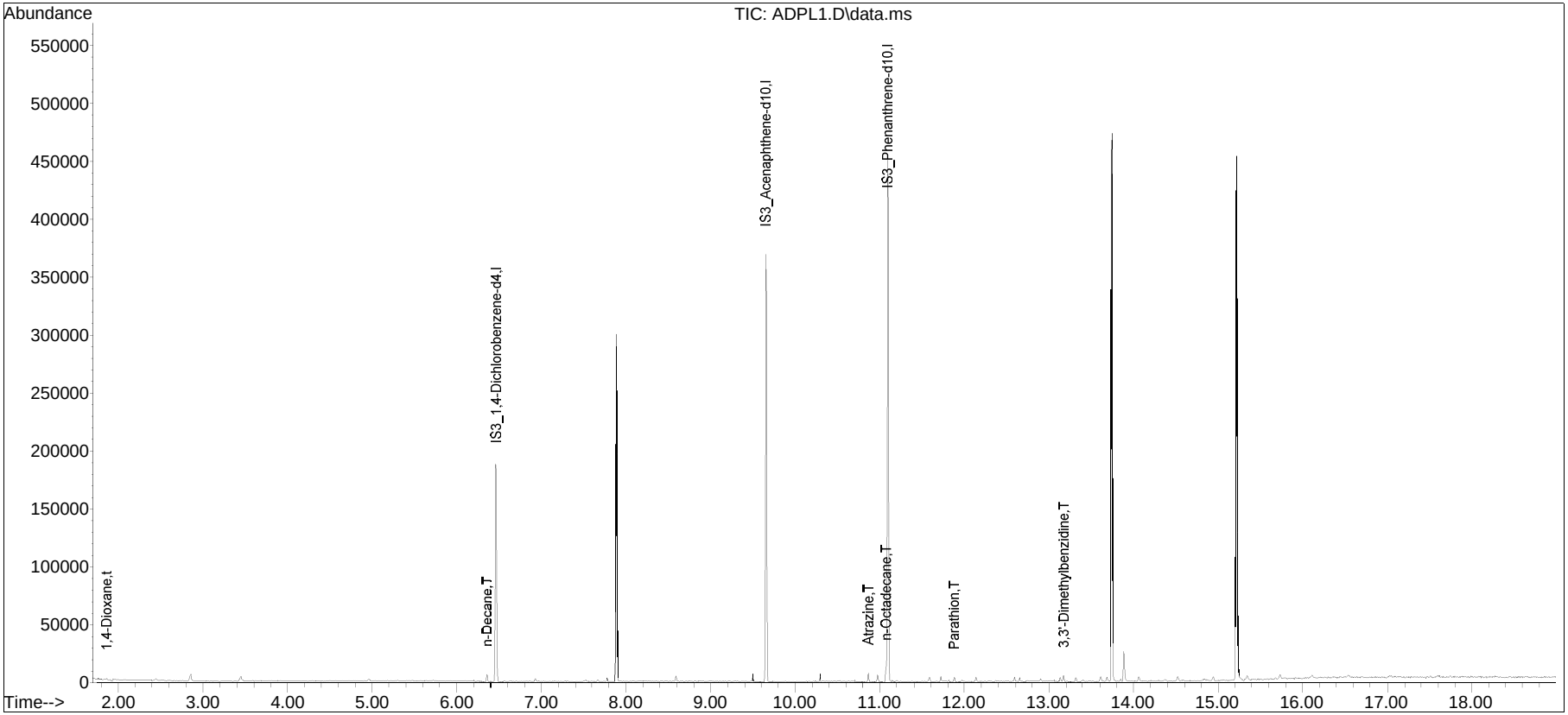
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPL1.D
Acq On : 25 Jun 2024 4:24 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939040
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 25 10:10:33 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:36:24 2024
Response via : Initial Calibration

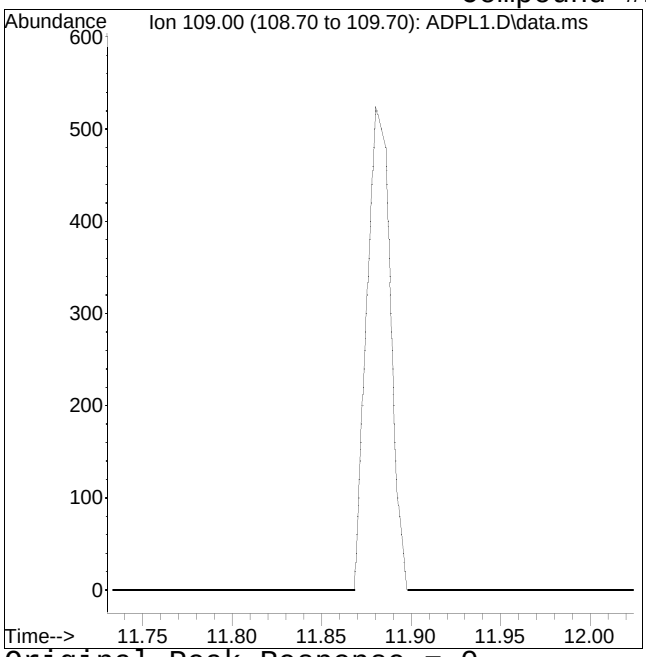
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



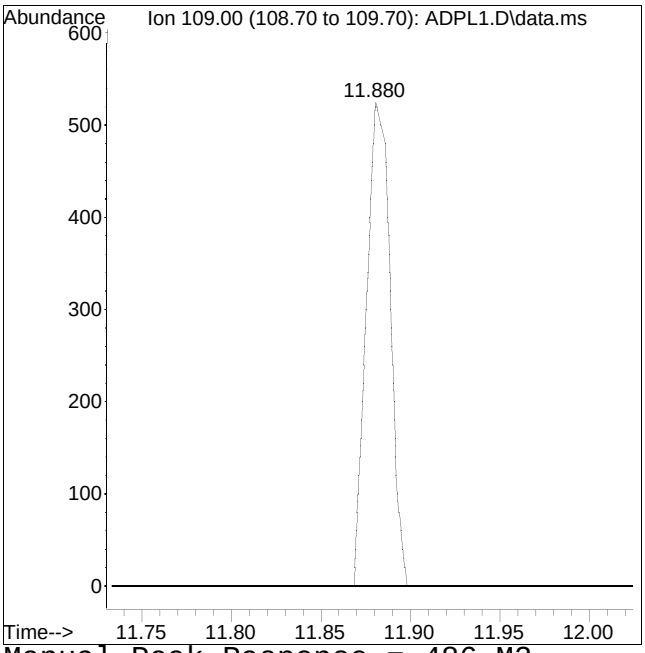
Manual Integration Report

Data Path : I:\8270\SV106\240624RVTicaQMethod : FS240624SV106.m
Data File : ADPL1.D Operator : SV106:ljg
Date Inj'd : 6/25/2024 4:24 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 6/25/2024 10:11 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 486 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
33	t	1,4-Dioxane	0.584	0.502	14.0	93	0.00
34	T	n-Decane	1.662	1.657	0.3	98	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	90	0.00
87	T	Atrazine	0.509	0.442	13.2	86	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	90	0.00
101	T	n-Octadecane	0.498	0.485	2.6	94	0.00
102	T	Parathion	0.124	0.111	10.5	89	0.00
103	T	3,3'-Dimethylbenzidine	0.791	0.752	4.9	84	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240624RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.463	152	29795	4.000	ug/ml	0.00
Standard Area 1 = 32759			Recovery = 90.95%			
86) IS3_Acenaphthene-d10	9.657	164	68746	4.000	ug/ml	0.00
Standard Area 1 = 76462			Recovery = 89.91%			
100) IS3_Phenanthrene-d10	11.098	188	162297	4.000	ug/ml	0.00
Standard Area 1 = 180522			Recovery = 89.90%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.857	88	18691	4.293	ug/ml#	100
34) n-Decane	6.357	57	61707	4.984	ug/ml#	43
87) Atrazine	10.863	200	38018	4.349	ug/ml	95
101) n-Octadecane	11.074	57	98298	4.869	ug/ml#	1
102) Parathion	11.880	109	22600	4.486	ug/ml	98
103) 3,3'-Dimethylbenzidine	13.174	212	152633	4.758	ug/ml	100

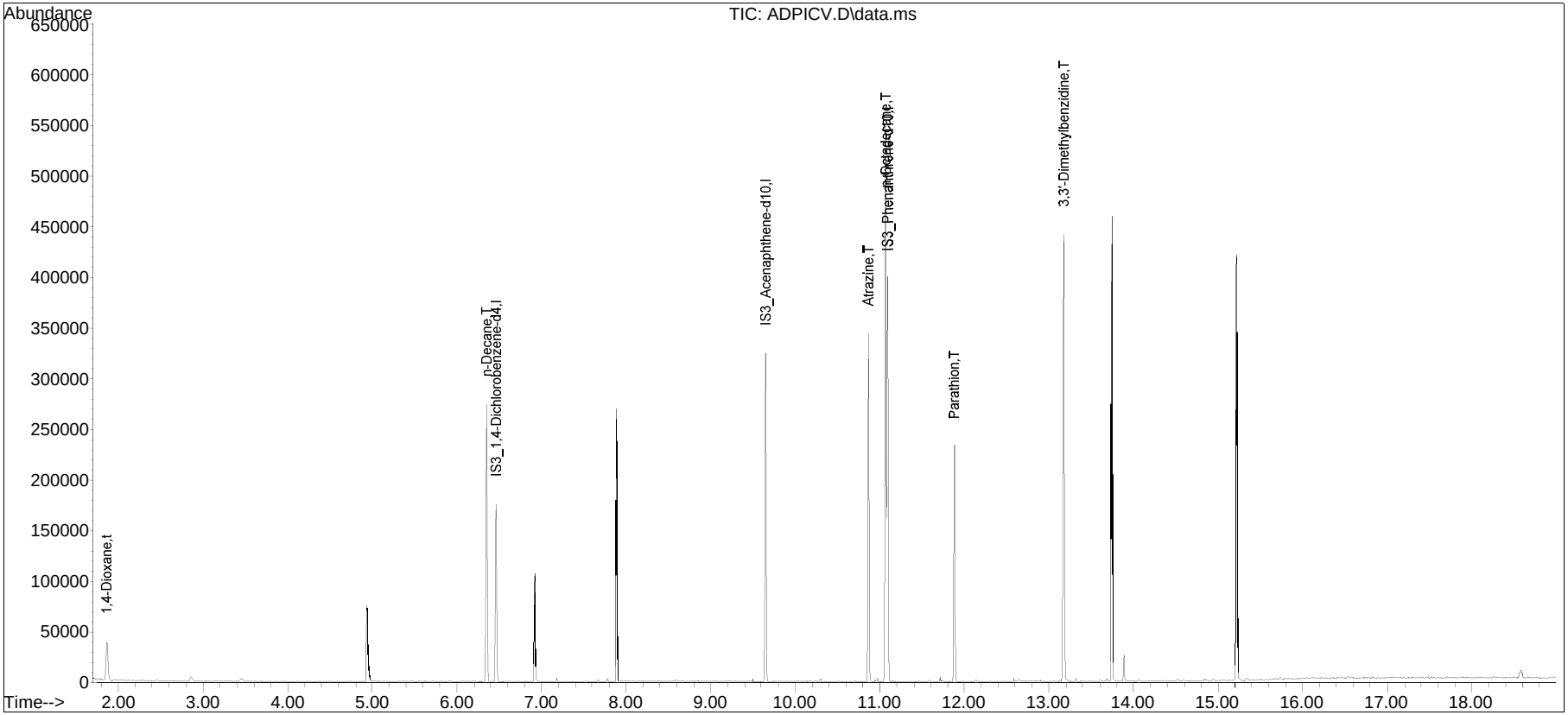
(#) = qualifier out of range (m) = manual integration (+) = signals summed

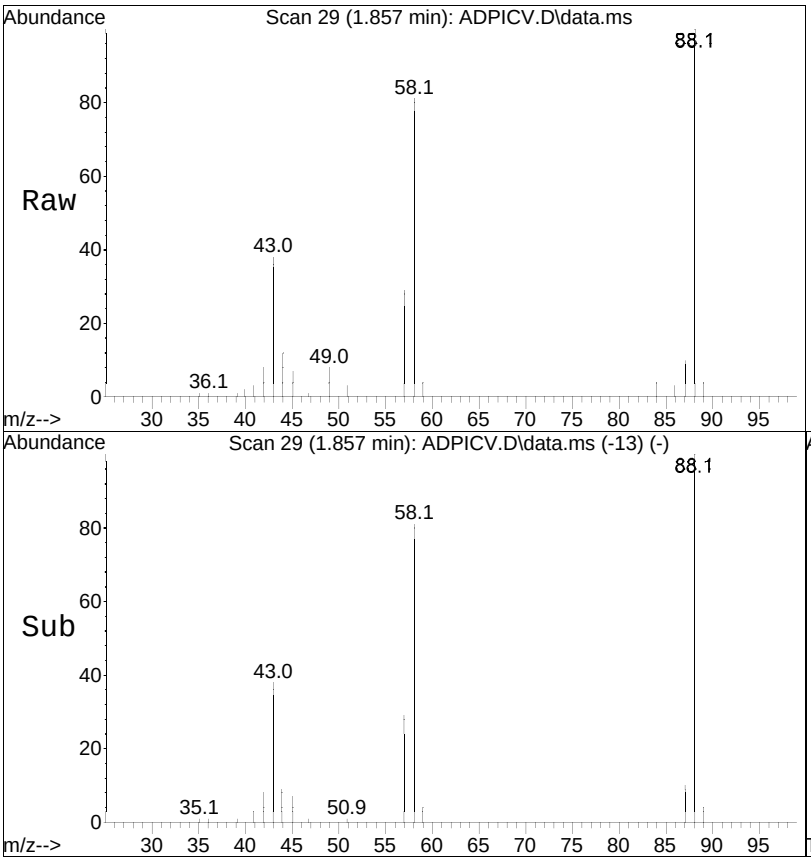
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240624RVTical\
Data File : ADPICV.D
Acq On : 25 Jun 2024 4:48 am
Operator : SV106:ljg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939040
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 25 06:34:43 2024
Quant Method : I:\8270\SV106\240624RVTical\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Jun 25 06:28:35 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

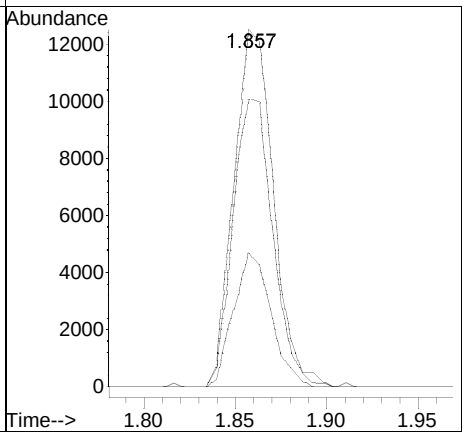


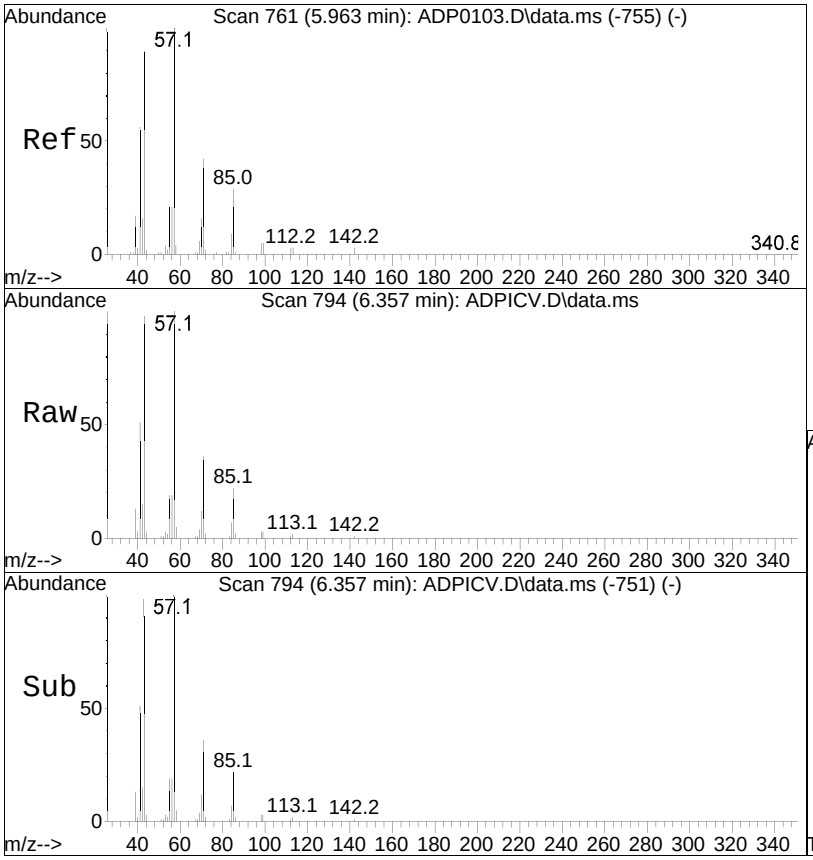


#33
1,4-Dioxane
Concen: 4.29 ug/ml
RT: 1.857 min Scan# 29
Delta R.T. -0.006 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 88 Resp: 18691

Ion	Ratio	Lower	Upper
88	100		
58	80.8	0.0	0.0#
43	35.7	0.0	0.0#

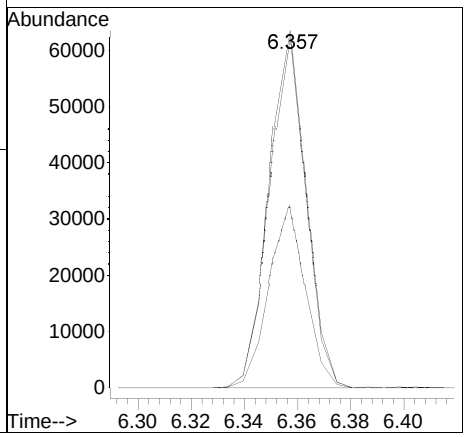


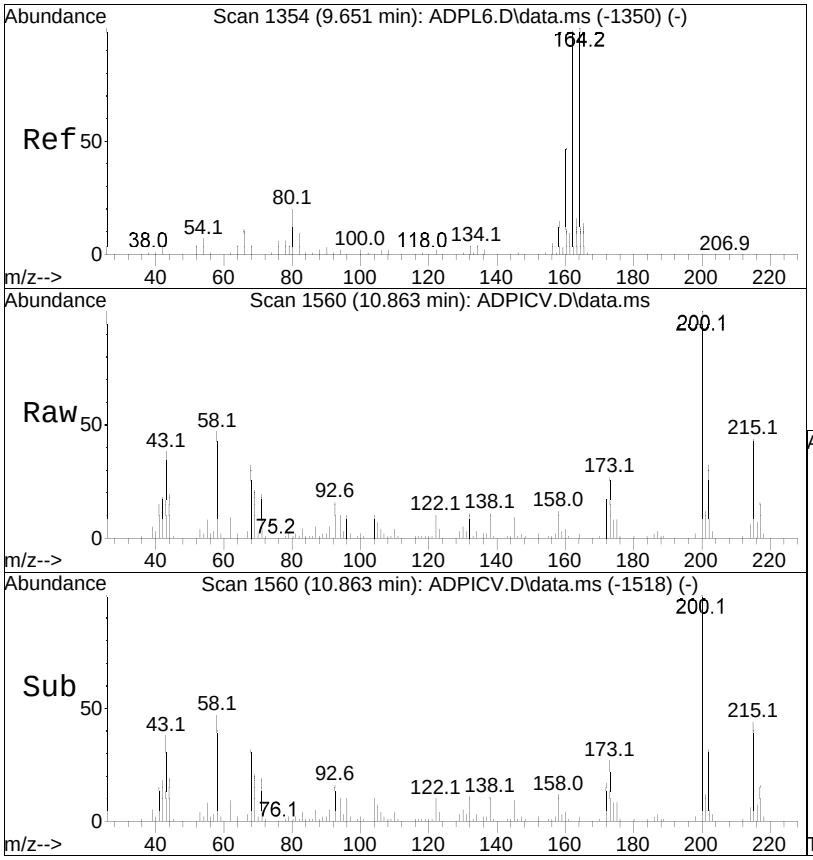


#34
n-Decane
Concen: 4.98 ug/ml
RT: 6.357 min Scan# 794
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 57 Resp: 61707

Ion	Ratio	Lower	Upper
57	100		
43	96.3	0.2	0.2#
41	50.3	0.2	0.2#

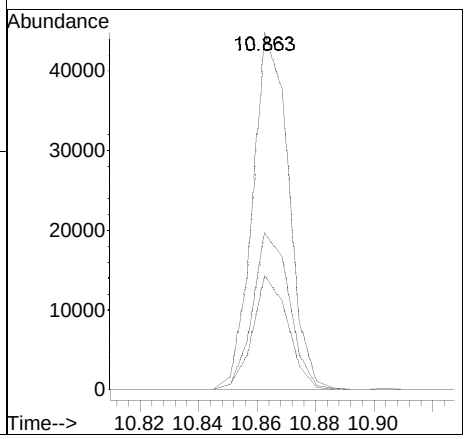


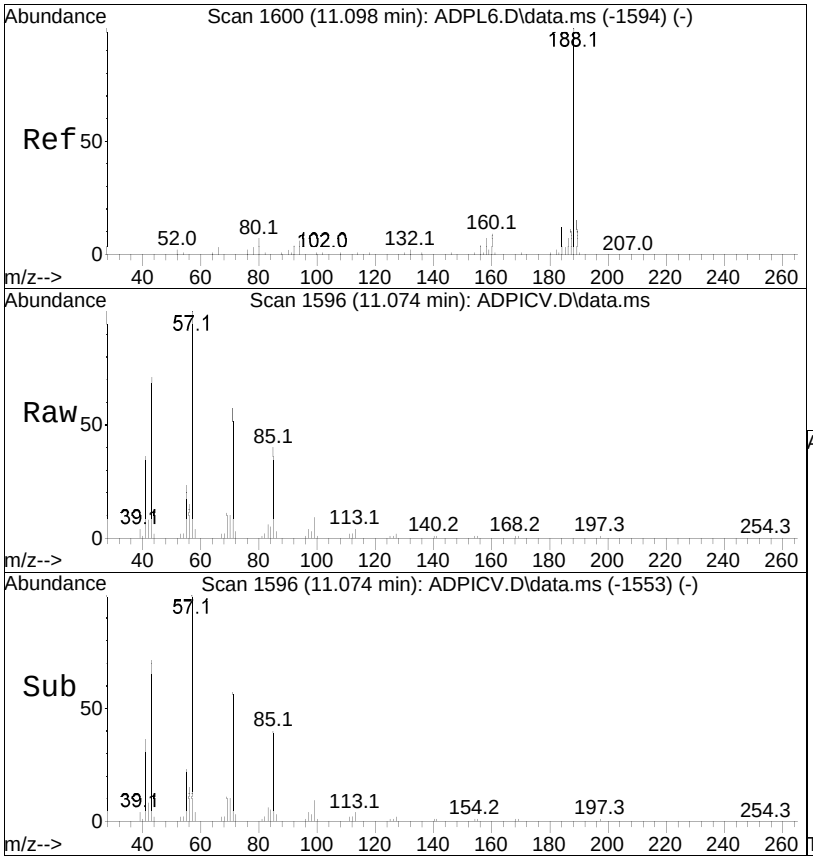


#87
Atrazine
Concen: 4.35 ug/ml
RT: 10.863 min Scan# 1560
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:200 Resp: 38018

Ion	Ratio	Lower	Upper
200	100		
202	31.4	25.8	38.6
215	44.8	40.2	60.4

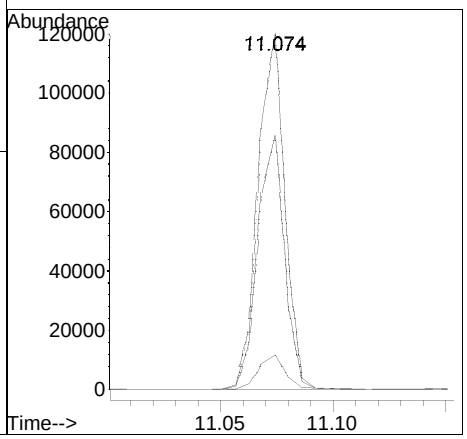


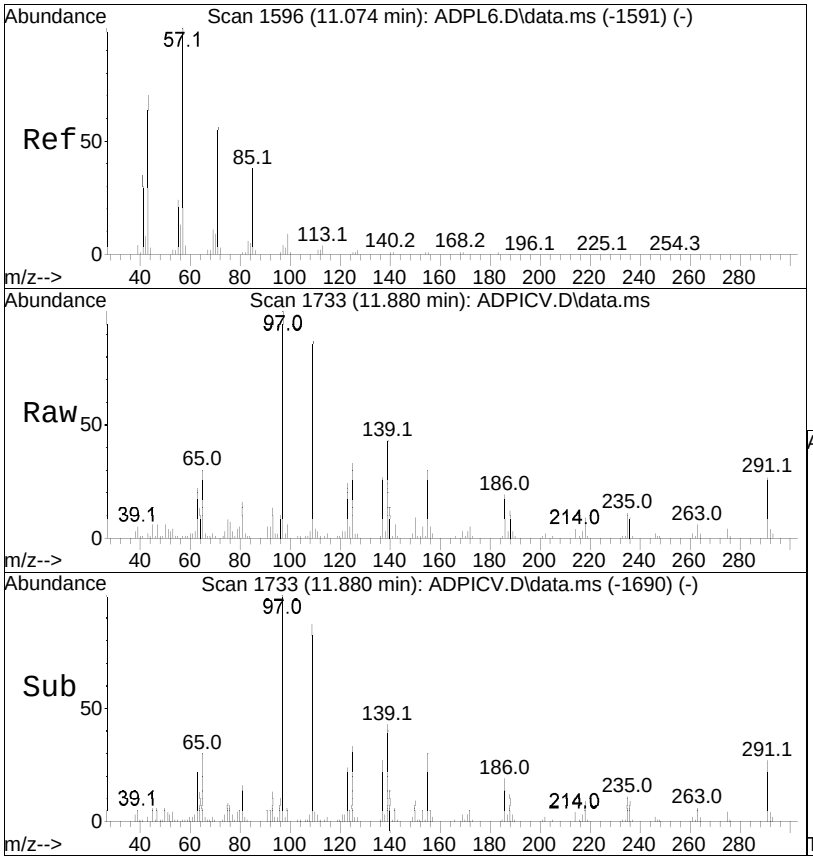


#101
n-Octadecane
Concen: 4.87 ug/ml
RT: 11.074 min Scan# 1596
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion: 57 Resp: 98298

Ion	Ratio	Lower	Upper
57	100		
43	71.5	9.0	13.6#
70	10.0	0.2	0.2#

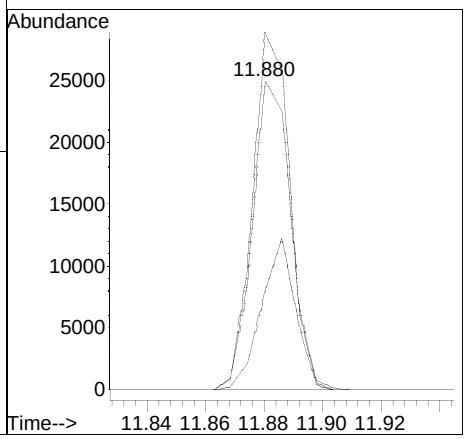


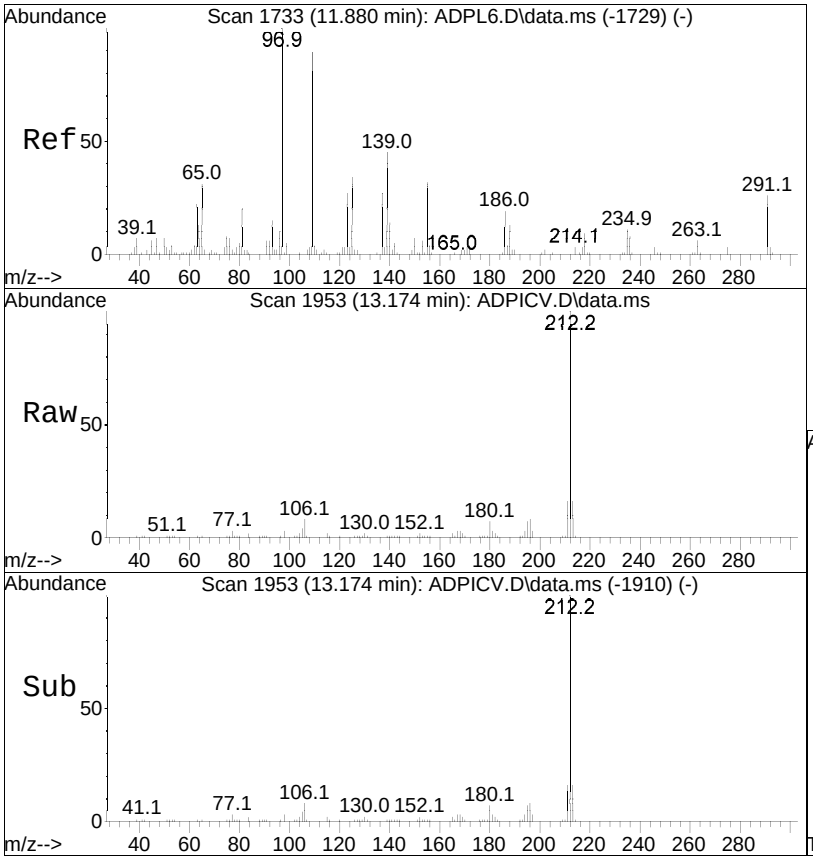


#102
Parathion
Concen: 4.49 ug/ml
RT: 11.880 min Scan# 1733
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:109 Resp: 22600

Ion	Ratio	Lower	Upper
109	100		
97	112.1	87.4	131.2
291	43.6	34.2	51.2

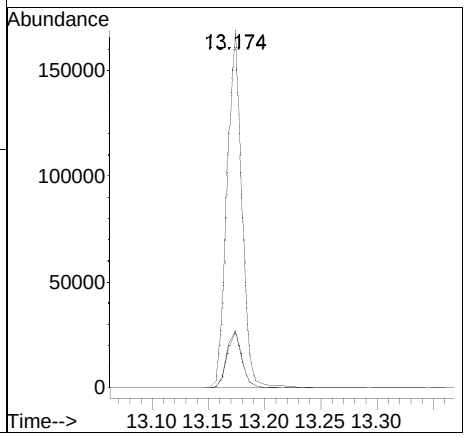




#103
3,3'-Dimethylbenzidine
Concen: 4.76 ug/ml
RT: 13.174 min Scan# 1953
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 25 Jun 2024 4:48 am

Tgt Ion:212 Resp: 152633

Ion	Ratio	Lower	Upper
212	100		
211	15.9	12.9	19.3
213	16.5	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\240624RVTica	QMethod	: FS240624SV106.m
Data File	: ADPICV.D	Operator	: SV106:ljg
Date Inj'd	: 6/25/2024 4:48 am	Instrument	: SV 106
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 6/25/2024 6:35 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\240624RVTical\
Method File : FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Jun 25 06:28:35 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	Q	ug/ml	5.0	4.700	-6.0	0.50	0.589	17.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Quadratic	0.999198	0.003511	0.293629	-0.026998

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	T	N-Nitrosodimethylamine	0.562	0.547	0.668	0.671	0.658	0.715	0.737	0.691	0.666	0.657	9.69
3)	T	Pyridine	0.765	0.804	1.096	1.064	1.020	1.187	1.214	1.164	1.068	1.043	15.30
4)	S	2-Fluorophenol	1.042	0.902	1.137	1.062	1.020	1.069	1.112	1.061	1.048	1.050	6.30
5)	T	Aniline	2.034	1.689	1.779	1.844	1.753	1.761	1.854	1.790	1.794	1.811	5.35
6)	T	2-Chlorophenol	1.446	1.123	1.293	1.241	1.188	1.224	1.274	1.223	1.242	1.251	7.06
7)	S	Phenol-d6	1.528	1.195	1.365	1.305	1.289	1.368	1.414	1.357	1.387	1.357	6.75
8)	T	Phenol	1.817	1.428	1.559	1.538	1.527	1.566	1.627	1.557	1.574	1.577	6.62
9)	T	bis(2-Chloroethyl)ether	1.421	1.058	1.219	1.151	1.143	1.120	1.163	1.115	1.115	1.167	8.96
10)	T	1,3-Dichlorobenzene	1.825	1.427	1.538	1.518	1.438	1.487	1.482	1.424	1.436	1.508	8.33
11)	T	1,4-Dichlorobenzene	1.923	1.640	1.694	1.536	1.486	1.486	1.516	1.438	1.453	1.575	9.88
12)	T	1,2-Dichlorobenzene	1.745	1.340	1.594	1.450	1.424	1.428	1.446	1.404	1.447	1.475	8.21
13)	T	Benzyl alcohol	0.853	0.833	0.903	0.958	0.947	0.948	1.013	1.009	1.039	0.945	7.55
14)	T	bis(2-chloroisopropyl)ether	1.542	1.444	1.529	1.423	1.507	1.427	1.472	1.462	1.466	1.475	2.91
15)	T	2-Methylphenol	1.068	0.979	1.057	1.054	1.005	1.051	1.101	1.074	1.118	1.056	4.08
16)	T	Hexachloroethane	0.605	0.534	0.540	0.589	0.515	0.542	0.556	0.550	0.587	0.558	5.34
17)	T	n-Nitrosodi-n-propylamine	0.857	0.797	0.848	0.850	0.863	0.844	0.894	0.895	0.940	0.865	4.65
18)	T	3-Methylphenol/4-Methylphenol	1.109	1.056	1.147	1.130	1.122	1.166	1.205	1.181	1.237	1.150	4.72
19)	S	Nitrobenzene-d5	1.364	1.174	1.284	1.255	1.256	1.289	1.357	1.316	1.350	1.294	4.73
20)	T	Nitrobenzene	1.374	1.167	1.255	1.249	1.268	1.288	1.348	1.313	1.342	1.289	4.92
21)	T	Isophorone	2.526	2.023	2.282	2.274	2.361	2.267	2.412	2.399	2.410	2.328	6.09
22)	T	2-Nitrophenol	0.572	0.455	0.543	0.529	0.574	0.574	0.614	0.643	0.665	0.574	10.96
23)	T	2,4-Dimethylphenol	1.050	0.967	1.174	1.119	1.111	1.004	1.135	1.146	1.205	1.101	7.16
24)	T	bis(2-Chloroethoxy)methane	1.755	1.546	1.604	1.513	1.557	1.463	1.547	1.531	1.587	1.567	5.19
25)	T	2,4-Dichlorophenol	1.200	1.008	1.072	1.112	1.136	1.123	1.219	1.218	1.285	1.153	7.42
26)	T	1,2,4-Trichlorobenzene	1.821	1.484	1.450	1.478	1.378	1.332	1.381	1.373	1.442	1.460	9.94
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	1.040	0.972	1.109	1.072	1.093	1.082	1.162	1.162	1.149	1.094	5.70
29)	T	Acetophenone	1.672	1.587	1.917	1.903	1.905	1.998	2.059	2.064	2.024	1.903	8.87
30)	T	m-Toluidine	1.624	1.422	1.775	1.781	1.812	1.920	2.030	2.045	2.045	1.828	11.53
31)	T	2-Chloroaniline	1.694	1.374	1.765	1.690	1.753	1.785	1.883	1.869	1.863	1.742	8.93
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	T	1,4-Dioxane		0.421	0.595	0.567	0.467	0.415	0.448	0.424	0.426	0.470	15.01
34)	T	n-Decane	1.220	0.970	1.192	1.255	1.127	1.060	1.191	1.145	1.149	1.145	7.58
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.266	1.035	1.152	1.087	1.005	0.997	1.043	0.966	0.888	1.049	10.49
37)	T	Benzoic Acid					0.129	0.163	0.217	0.243	0.251	*L	0.9992
38)	T	4-Chloroaniline	0.080	0.126	0.116	0.116	0.123	0.117	0.126	0.128	0.129	0.118	12.79
39)	T	Hexachlorobutadiene	0.283	0.225	0.275	0.254	0.226	0.226	0.241	0.236	0.246	0.246	8.74
40)	T	p-Chloro-m-cresol	0.262	0.248	0.265	0.272	0.279	0.270	0.296	0.299	0.302	0.277	6.77
41)	T	2-Methylnaphthalene	0.846	0.703	0.755	0.742	0.670	0.650	0.700	0.683	0.670	0.713	8.47
42)	T	1-Methylnaphthalene	0.316	0.233	0.258	0.237	0.231	0.218	0.236	0.235	0.243	0.245	11.70
43)	T	Hexachlorocyclopentadiene	0.245	0.228	0.273	0.253	0.241	0.226	0.253	0.261	0.279	0.251	7.32
44)	T	2,4,6-Trichlorophenol	0.256	0.222	0.245	0.252	0.255	0.249	0.272	0.275	0.281	0.256	7.06
45)	T	2,4,5-Trichlorophenol	0.242	0.215	0.272	0.252	0.257	0.258	0.278	0.287	0.301	0.262	9.81

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
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L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46)	S	2-Fluorobiphenyl	1.108	0.906	0.959	0.931	0.893	0.820	0.871	0.845	0.809	0.904	10.04
47)	T	2-Chloronaphthalene	0.947	0.735	0.788	0.772	0.738	0.697	0.735	0.717	0.699	0.759	10.11
48)	T	2-Nitroaniline	0.189	0.160	0.201	0.186	0.193	0.191	0.219	0.231	0.235	0.200	11.96
49)	T	1,4-Dinitrobenzene	0.083	0.069	0.090	0.093	0.097	0.095	0.111	0.122	0.125	0.098	18.43
50)	T	1,3-Dinitrobenzene	0.094	0.088	0.105	0.107	0.111	0.110	0.126	0.138	0.147	0.114	17.21
51)	T	Dimethyl phthalate	1.140	0.882	1.009	0.933	0.924	0.827	0.876	0.885	0.829	0.923	10.69
52)	T	Acenaphthylene	1.278	1.043	1.196	1.115	1.136	1.059	1.125	1.115	1.011	1.120	7.23
53)	T	2,6-Dinitrotoluene	0.173	0.138	0.163	0.165	0.177	0.163	0.181	0.195	0.199	0.173	10.72
54)	T	1,2-Dinitrobenzene			0.062	0.068	0.072	0.070	0.080	0.088	0.091	0.076	14.13
55)	I	IS2_Naphthalene-d8	----------ISTD----------										
56)	T	a-Terpineol	0.269	0.222	0.274	0.268	0.264	0.279	0.299	0.310	0.310	0.277	9.94
57)	T	3-Chloroaniline		0.104	0.168	0.149	0.143	0.149	0.158	0.163	0.168	0.150	13.96
58)	T	2,6-Dichlorophenol	0.313	0.261	0.306	0.302	0.317	0.335	0.366	0.365	0.371	0.326	11.19
59)	T	1-chloro-2-nitrobenzene	0.113	0.111	0.143	0.146	0.133	0.146	0.162	0.167	0.168	0.143	14.67
60)	T	Caprolactam				0.126	0.131	0.155	0.174	0.178	0.183	*L	0.9990
61)	T	1,2,4,5-Tetrachlorobenzene	0.481	0.431	0.503	0.503	0.461	0.474	0.493	0.488	0.478	0.479	4.71
62)	T	Biphenyl	1.095	0.927	1.090	1.060	1.016	1.018	1.066	1.031	0.935	1.026	5.96
63)	I	IS1_Acenaphthene-d10	----------ISTD----------										
64)	T	3-Nitroaniline	0.252	0.237	0.287	0.294	0.299	0.308	0.339	0.336	0.337	0.299	12.23
65)	T	Acenaphthene	1.314	1.113	1.226	1.123	1.053	1.036	1.084	1.054	1.029	1.115	8.64
66)	T	2,4-Dinitrophenol			0.079	0.095	0.133	0.147	0.168	0.191	0.195	*Q	0.9985
67)	T	Dibenzofuran	2.211	1.799	2.086	1.945	1.751	1.726	1.777	1.698	1.542	1.837	11.29
68)	T	2,4-Dinitrotoluene	0.319	0.294	0.352	0.365	0.387	0.389	0.418	0.459	0.468	0.383	15.30
69)	T	4-Nitrophenol	0.317	0.249	0.284	0.274	0.264	0.286	0.308	0.313	0.311	0.290	8.32
70)	T	2,3,5,6-Tetrachlorophenol	0.349	0.273	0.359	0.360	0.382	0.387	0.416	0.430	0.434	0.377	13.18
71)	T	2,3,4,6-Tetrachlorophenol	0.327	0.272	0.371	0.360	0.389	0.365	0.400	0.421	0.424	0.370	12.93
72)	T	Diethyl phthalate	1.798	1.445	1.599	1.494	1.494	1.341	1.413	1.434	1.361	1.487	9.42
73)	T	Fluorene	1.722	1.358	1.548	1.423	1.385	1.344	1.395	1.386	1.317	1.431	8.89
74)	T	4-Chlorophenyl-phenylether	0.957	0.826	0.818	0.791	0.738	0.691	0.715	0.740	0.741	0.780	10.31
75)	T	4-Nitroaniline	0.243	0.230	0.295	0.325	0.330	0.334	0.361	0.368	0.344	0.314	15.56
76)	T	4,6-Dinitro-o-cresol		0.090	0.161	0.181	0.205	0.204	0.232	0.261	0.263	*L	0.9966
77)	T	NDPA/DPA	1.445	1.148	1.297	1.268	1.198	1.152	1.215	1.205	1.148	1.231	7.78
78)	T	Azobenzene	1.524	1.129	1.373	1.336	1.302	1.260	1.305	1.296	1.220	1.305	8.30
79)	S	2,4,6-Tribromophenol			0.253	0.239	0.249	0.236	0.255	0.277	0.288	0.257	7.47
80)	T	4-Bromophenyl-phenylether	0.639	0.500	0.517	0.492	0.471	0.440	0.462	0.485	0.490	0.500	11.37
81)	T	Hexachlorobenzene	0.879	0.616	0.680	0.640	0.584	0.529	0.554	0.574	0.592	0.628	16.66
82)	T	Pentachlorophenol			0.259	0.272	0.303	0.302	0.345	0.384	0.391	0.322	16.23
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran				0.160	0.184	0.198	0.225	0.256	0.269	*L	0.9964
85)	T	Pentachloronitrobenzene			0.200	0.205	0.213	0.226	0.246	0.272	0.282	0.235	13.89
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.389	0.299	0.438	0.468	0.450	0.397	0.506	0.509	0.516	0.441	16.04
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.320	1.071	1.173	1.090	1.015	1.012	1.045	0.947	0.850	1.058	12.62
90)	T	Anthracene	1.256	1.017	1.087	1.043	1.001	0.996	1.069	0.971	0.876	1.035	9.97

Response Factor Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jul 01 06:16:22 2024
Response Via : Initial Calibration

Calibration Files
L1 =AP9L1.D L2 =AP9L2.D L3 =AP9L3.D L4 =AP9L4.D L5 =AP9L5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

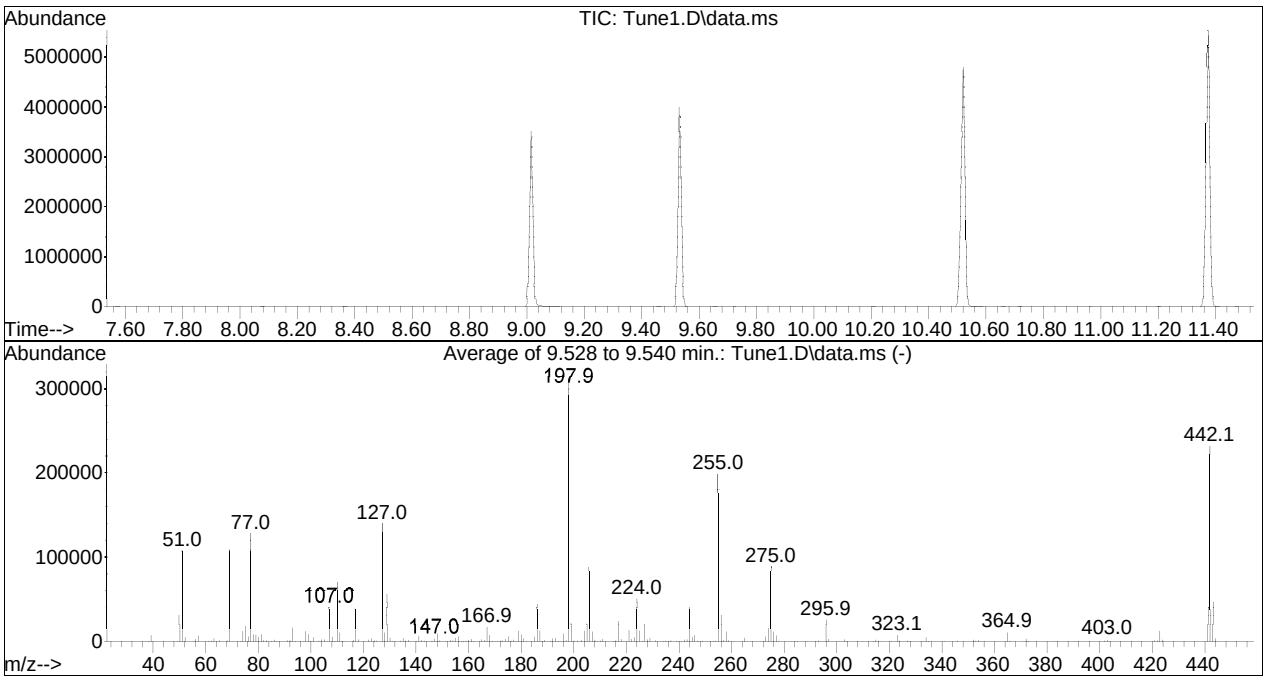
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.052	0.896	1.012	0.948	0.942	0.948	1.001	0.904	0.827	0.948	7.18
92)	T	Di-n-butylphthalate	1.109	0.955	1.058	1.048	1.078	0.981	1.100	1.066	0.910	1.034	6.68
93)	T	Fluoranthene	1.499	1.186	1.326	1.251	1.214	1.178	1.266	1.147	0.982	1.228	11.39
94)	T	Benzidine	0.637	0.494	0.641	0.646	0.698	0.700	0.797	0.760	0.702	0.675	12.87
95)	T	Pyrene	1.601	1.214	1.406	1.321	1.304	1.289	1.345	1.209	1.024	1.301	12.03
96)	S	4-Terphenyl-d14	1.228	0.991	1.112	1.049	1.046	0.959	1.026	0.978	0.869	1.029	9.83
97)	T	Butyl benzyl phthalate	0.487	0.361	0.434	0.413	0.452	0.421	0.491	0.535	0.524	0.458	12.35
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.509	0.383	0.468	0.508	0.502	0.532	0.578	0.597	0.558	0.515	12.43
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.312	0.243	0.299	0.318	0.319	0.280	0.358	0.350	0.355	0.315	12.02
102)	T	Parathion		0.054	0.076	0.080	0.077	0.074	0.098	0.109	0.122	*Q	0.9982
103)	T	3,3'-Dimethylbenzidine			0.593	0.660	0.700	0.676	0.865	0.857	0.806	*L	0.9971
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.601	1.212	1.376	1.301	1.272	1.244	1.317	1.203	1.034	1.284	11.88
106)	T	3,3'-Dichlorobenzidine	0.484	0.379	0.450	0.441	0.460	0.466	0.523	0.512	0.497	0.468	9.31
107)	T	Chrysene	1.675	1.240	1.402	1.329	1.232	1.205	1.249	1.091	0.910	1.259	16.66
108)	T	bis(2-Ethylhexyl)phthalate	0.620	0.525	0.597	0.603	0.661	0.610	0.702	0.753	0.677	0.639	10.51
109)	T	Di-n-octylphthalate	0.924	0.768	0.917	0.888	1.018	0.992	1.151	1.177	0.974	0.979	13.03
110)	T	Benzo(b)fluoranthene	1.582	1.244	1.467	1.388	1.283	1.299	1.315	1.163	1.116	1.317	11.01
111)	T	Benzo(k)fluoranthene	1.265	1.114	1.303	1.202	1.228	1.278	1.375	1.175	0.881	1.202	11.84
112)	T	Benzo(a)pyrene	1.261	1.054	1.246	1.174	1.126	1.174	1.245	1.108	0.956	1.149	8.76
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.192	0.988	1.118	1.057	1.007	1.143	1.162	1.212	1.186	1.118	7.36
115)	T	Dibenzo[a,h]anthracene	1.040	0.931	1.151	1.098	1.025	1.080	1.151	1.109	1.027	1.068	6.60
116)	T	Benzo(g,h,i)perylene	1.205	1.041	1.145	1.079	1.012	1.062	1.104	1.049	1.001	1.078	6.06

(#) = Out of Range

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



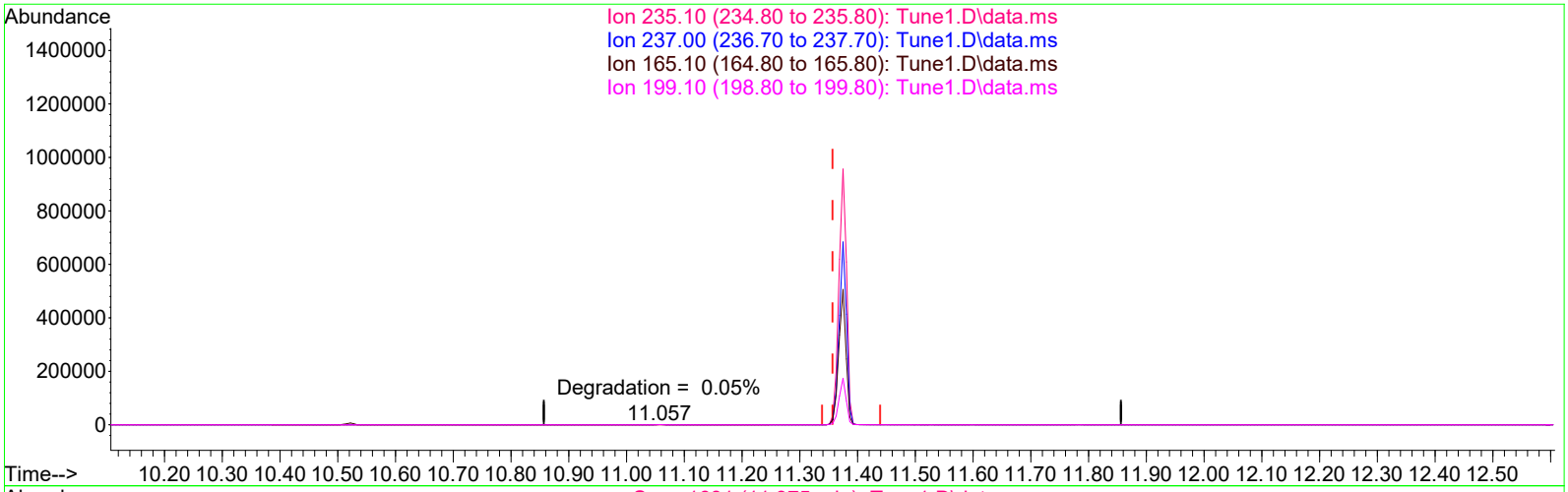
Spectrum Information: Average of 9.528 to 9.540 min.

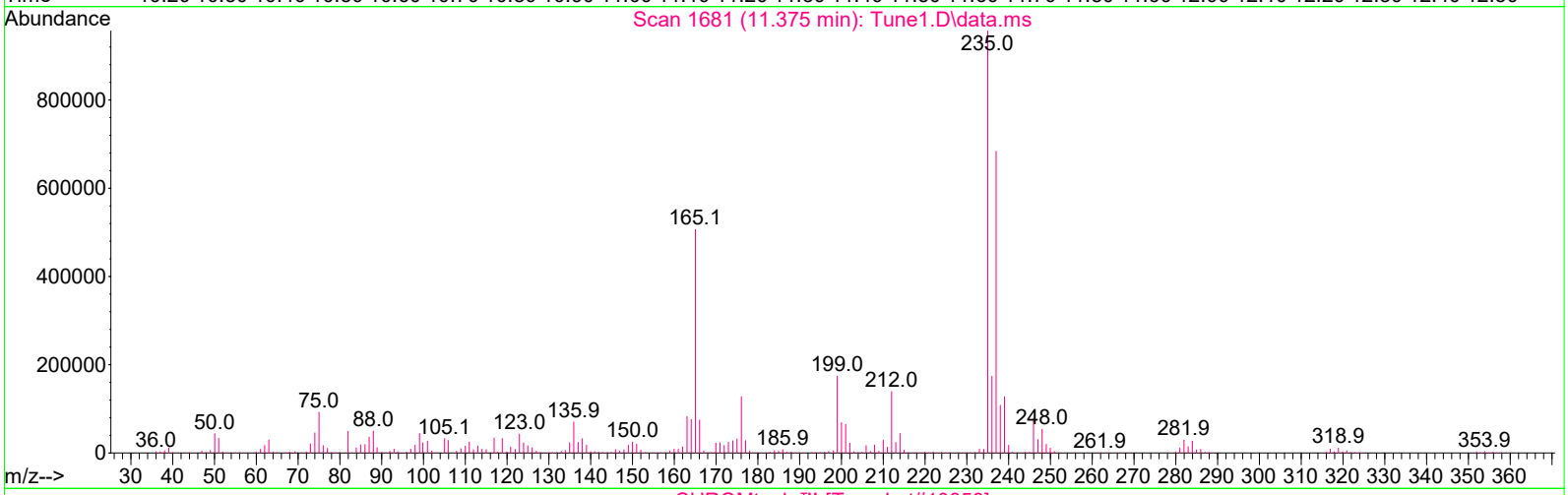
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.4	107589	PASS
68	69	0.00	2	1.7	1867	PASS
69	69	100	100	100.0	108645	PASS
70	69	0.00	2	0.5	539	PASS
127	198	10	80	44.6	139515	PASS
197	198	0.00	2	0.7	2272	PASS
198	198	100	100	100.0	313131	PASS
199	198	5	9	7.0	22069	PASS
275	198	10	60	28.2	88349	PASS
365	198	1	100	3.4	10597	PASS
441	442	0.01	24	17.5	40525	PASS
442	198	50	100	74.0	231659	PASS
443	442	15	24	20.0	46224	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.375min (+ 0.018) 145.99

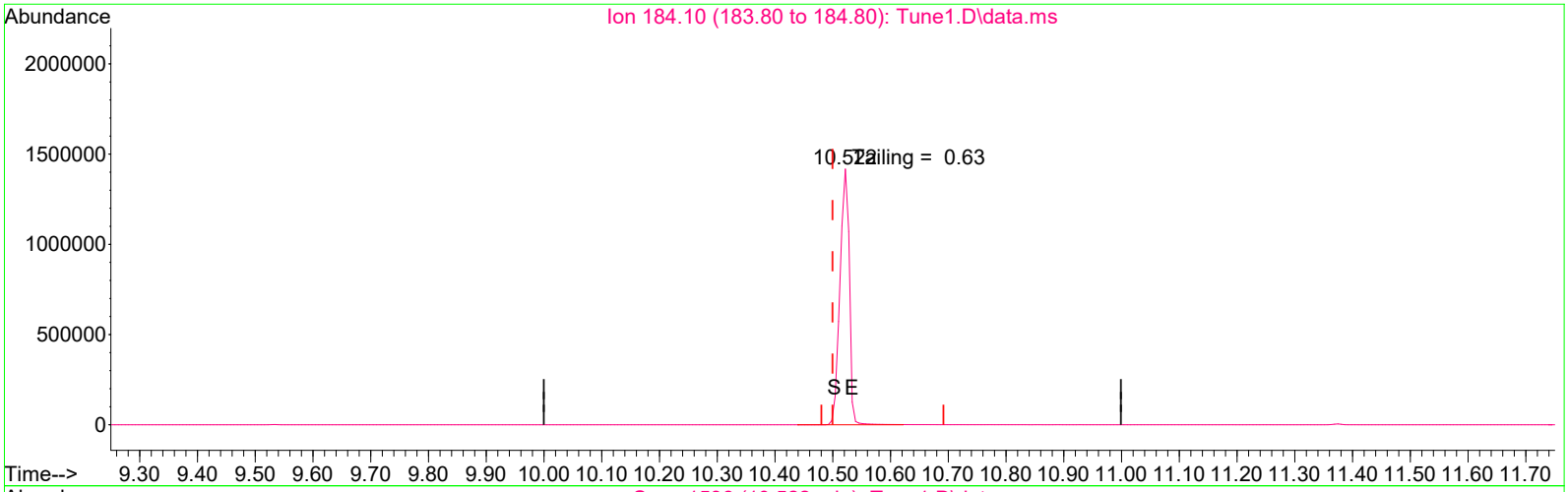
response 889919

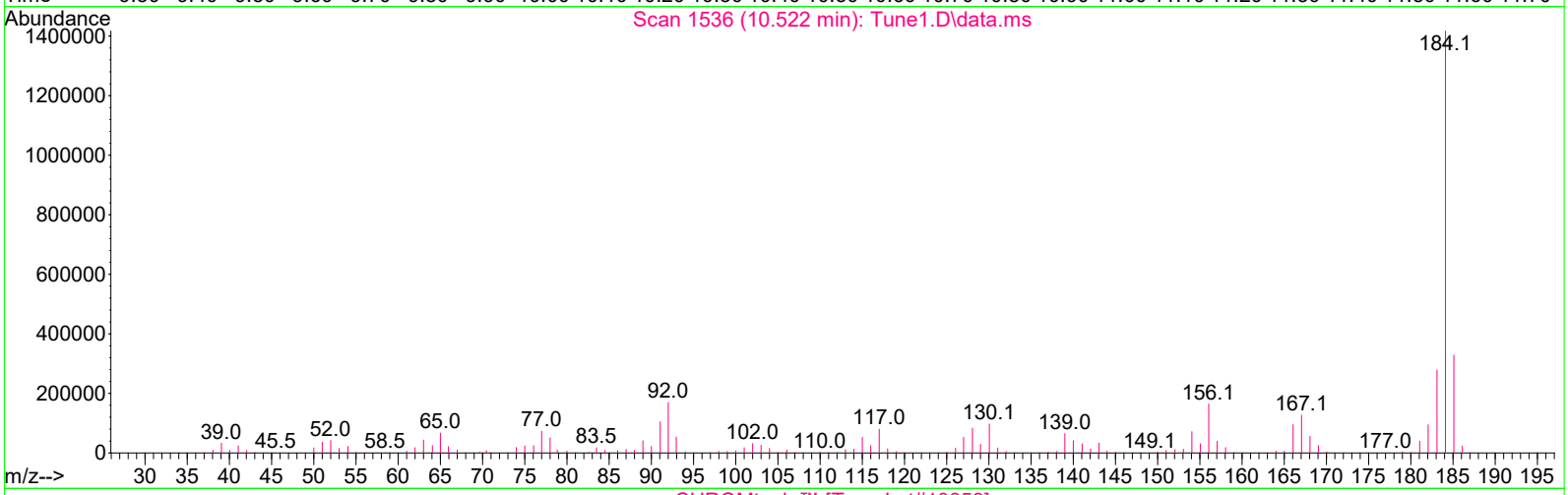
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	68.37
165.10	42.20	49.70
199.10	13.70	16.82

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.522min (+ 0.022) 157.43

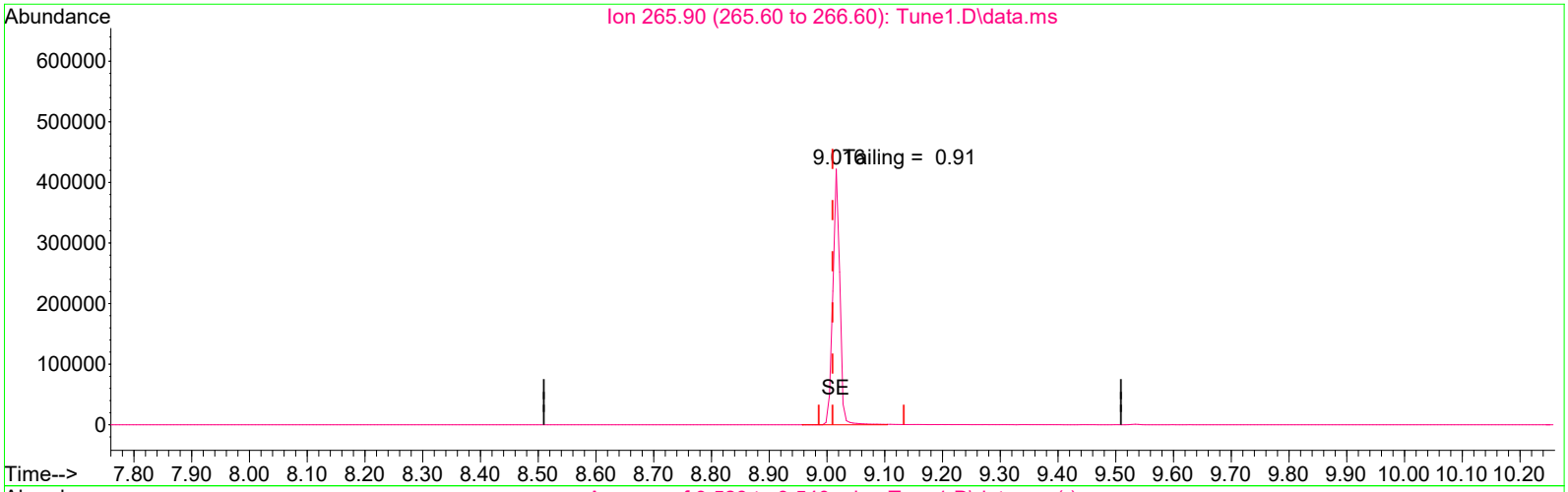
response 1602665

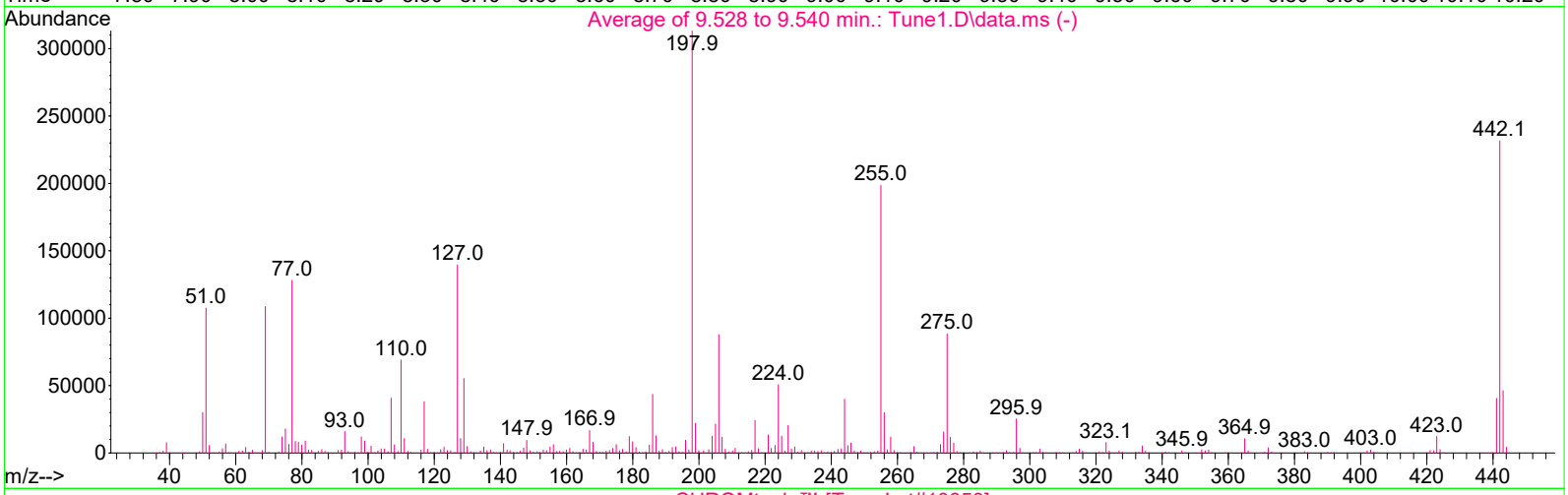
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune1.D
Acq On : 25 Jun 2024 07:55 pm
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:45:59 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.016min (+ 0.006) 169.73

response 356498

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23708	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 111.49%		
35) IS1_Naphthalene-d8	6.046	136	94057	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 115.12%		
63) IS1_Acenaphthene-d10	7.752	164	61295	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 124.61%		
88) IS1_Phenanthrene-d10	9.181	188	128794	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.01%		
104) IS1_Chrysene-d12	11.834	240	145276	4.000 ug/ml	# 0.01
Standard Area 1 = 111228			Recovery = 130.61%		
113) IS1_Perylene-d12	13.304	264	150213	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 114.32%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	310628	49.898 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2494.90%#		
7) Phenol-d6	4.487	99	410892	51.106 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2555.30%#		
19) Nitrobenzene-d5	5.346	82	400136	52.175 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 5217.50%#		
46) 2-Fluorobiphenyl	7.110	172	951461	44.737 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4473.70%#		
79) 2,4,6-Tribromophenol	8.516	330	220777	61.071 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 3053.55%#		
96) 4-Terphenyl-d14	10.763	244	1399064	42.234 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4223.40%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.158	74	197238	50.642 ug/ml	97
3) Pyridine	2.187	79	316483	51.217 ug/ml	84
5) Aniline	4.487	93	531545	49.526 ug/ml#	48
6) 2-Chlorophenol	4.605	128	368119	49.662 ug/ml	96
8) Phenol	4.499	94	466545	49.917 ug/ml#	44
9) Bis(2-chloroethyl)ether	4.569	93	330552	47.780 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	425498	47.593 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	430635	46.143 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	428672	49.023 ug/ml	96
13) Benzyl alcohol	4.958	79	308011	55.012 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	434355	49.697 ug/ml#	53

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	331313	52.912	ug/ml	98
16) Hexachloroethane	5.299	117	173998	52.641	ug/ml#	67
17) n-Nitrosodi-n-propylamine	5.228	70	278423	54.294	ug/ml	100
18) 3-Methylphenol/4-Methy...	5.240	108	366732	53.785	ug/ml	98
20) Nitrobenzene	5.369	77	397558	52.020	ug/ml	98
21) Isophorone	5.610	82	714103	51.753	ug/ml	96
22) 2-Nitrophenol	5.681	139	197090	57.903	ug/ml	96
23) 2,4-Dimethylphenol	5.752	107	357001	54.697	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.840	93	470425	50.649	ug/ml	97
25) 2,4-Dichlorophenol	5.922	162	380910	55.749	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.999	180	427420	49.395	ug/ml	97
36) Naphthalene	6.063	128	1044031	42.342	ug/ml#	92
37) Benzoic Acid	5.910	105	294521	52.720	ug/ml	97
38) 4-Chloroaniline	6.128	65	151590	54.707	ug/ml	97
39) Hexachlorobutadiene	6.210	225	289606	50.112	ug/ml	98
40) p-Chloro-m-cresol	6.622	107	355399	54.588	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	787243	46.948	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	285956	49.582	ug/ml	94
43) Hexachlorocyclopentadiene	6.910	237	327740	55.561	ug/ml	99
44) 2,4,6-Trichlorophenol	7.028	196	330658	54.830	ug/ml	99
45) 2,4,5-Trichlorophenol	7.057	196	354106	57.390	ug/ml	99
47) 2-Chloronaphthalene	7.210	162	821632	46.065	ug/ml	95
48) 2-Nitroaniline	7.322	138	276153	58.593	ug/ml	93
49) 1,4-Dinitrobenzene	7.452	168	146630	63.425	ug/ml	83
50) 1,3-Dinitrobenzene	7.528	168	172762	64.450	ug/ml	82
51) Dimethyl phthalate	7.528	163	974978	44.937	ug/ml#	95
52) Acenaphthylene	7.610	152	1188835	45.150	ug/ml#	89
53) 2,6-Dinitrotoluene	7.569	165	233918	57.642	ug/ml	92
54) 1,2-Dinitrobenzene	7.616	168	106780	68.592	ug/ml#	1
64) 3-Nitroaniline	7.722	138	258315	56.419	ug/ml	92
65) Acenaphthene	7.781	154	788708	46.174	ug/ml	97
66) 2,4-Dinitrophenol	7.822	184	149405	49.564	ug/ml#	84
67) Dibenzofuran	7.952	168	1181251	41.960	ug/ml	97
68) 2,4-Dinitrotoluene	7.957	165	358412	61.016	ug/ml	88
69) 4-Nitrophenol	7.322	65	238463	53.752	ug/ml#	11
70) 2,3,5,6-Tetrachlorophenol	8.040	232	332419	57.606	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.081	232	325008	57.329	ug/ml	99
72) Diethyl phthalate	8.216	149	1042470	45.763	ug/ml#	92
73) Fluorene	8.281	166	1008800	46.015	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.299	204	567955	47.539	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.322	138	263319	54.666	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.352	198	201559	51.288	ug/ml#	74
77)	NDPA/DPA	8.416	169	879551	46.640	ug/ml	89
78)	Azobenzene	8.452	77	934596	46.731	ug/ml#	91
80)	4-Bromophenyl phenyl e...	8.769	248	375483	49.055	ug/ml#	83
81)	Hexachlorobenzene	8.822	284	453546	47.160	ug/ml#	86
82)	Pentachlorophenol	9.016	266	299901	68.944	ug/ml	99
89)	Phenanthrene	9.204	178	1368984	40.184	ug/ml#	86
90)	Anthracene	9.257	178	1410608	42.318	ug/ml#	86
91)	Carbazole	9.422	167	1331588	43.628	ug/ml#	88
92)	Di-n-butylphthalate	9.804	149	1465236	44.009	ug/ml#	90
93)	Fluoranthene	10.363	202	1581098	39.994	ug/ml#	91
94)	Benzidine	10.516	184	1129713	51.974	ug/ml	96
95)	Pyrene	10.581	202	1648954	39.352	ug/ml#	82
97)	Butyl benzyl phthalate	11.287	149	842924	57.220	ug/ml#	97
105)	Benzo(a)anthracene	11.828	228	1878103	40.261	ug/ml#	82
106)	3,3'-Dichlorobenzidine	11.822	252	902789	53.129	ug/ml#	94
107)	Chrysene	11.869	228	1652363	36.131	ug/ml#	81
108)	Bis(2-ethylhexyl)phtha...	11.928	149	1229491	53.003	ug/ml#	89
109)	Di-n-octylphthalate	12.610	149	1768108	49.738	ug/ml#	95
110)	Benzo(b)fluoranthene	12.945	252	2026755	42.361	ug/ml#	91
111)	Benzo(k)fluoranthene	12.975	252	1600001M3	36.638	ug/ml	
112)	Benzo(a)pyrene	13.257	252	1735579	41.576	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	14.322	276	2226872M6	53.020	ug/mL	
115)	Dibenzo(a,h)anthracene	14.345	278	1928257	48.074	ug/ml#	90
116)	Benzo(ghi)perylene	14.592	276	1880012	46.449	ug/ml#	92

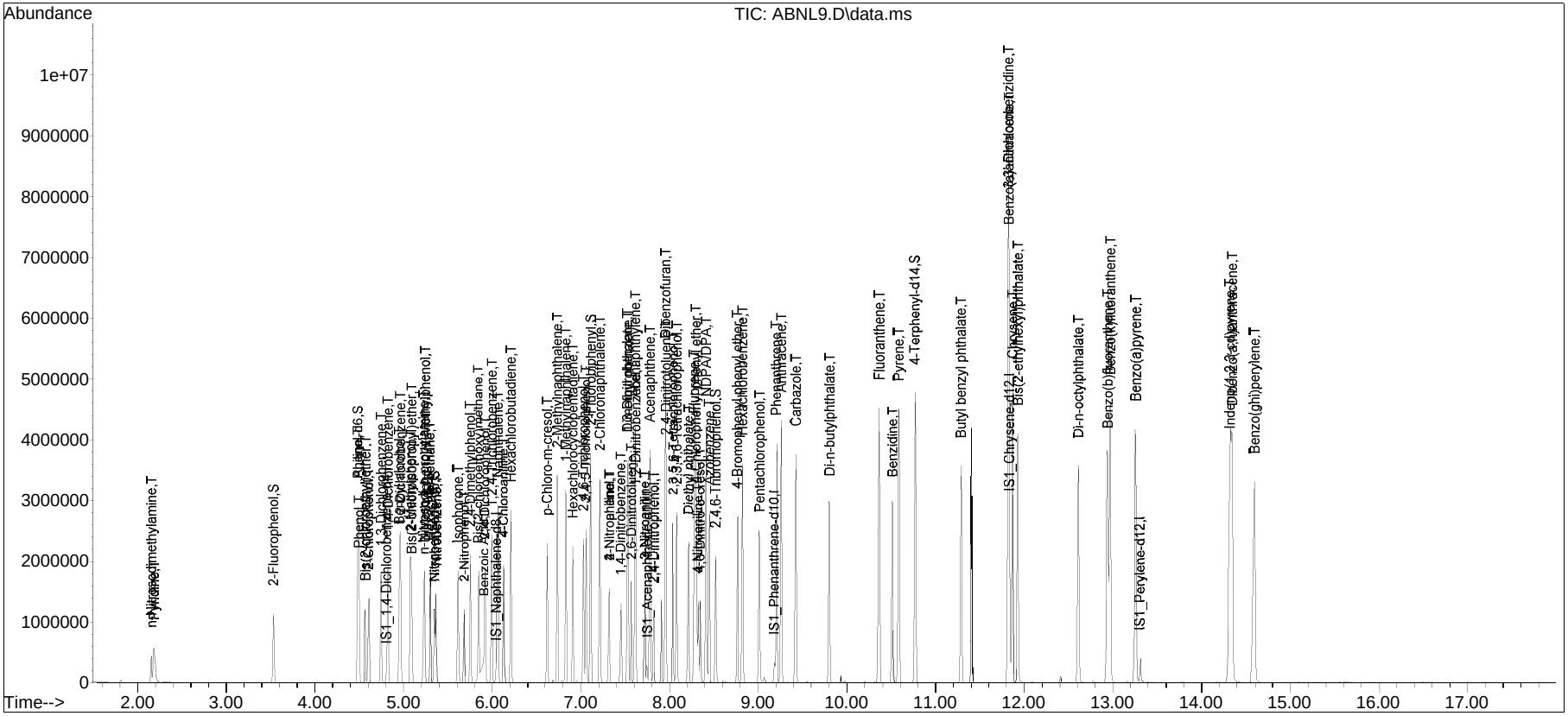
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL9.D
Acq On : 25 Jun 2024 08:18 pm
Operator : SV112:mrg
Sample : IL2,32,,ABNL50 Lot# 10778
Misc : WG1939943
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 30 14:02:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

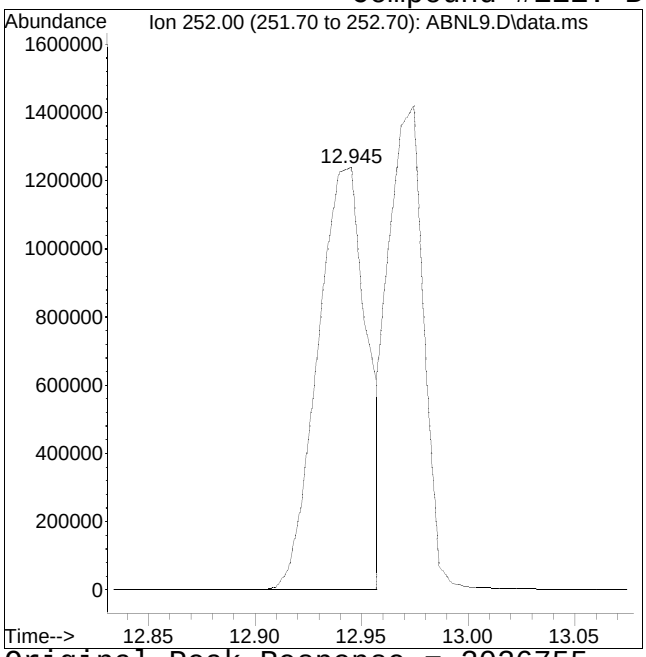
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

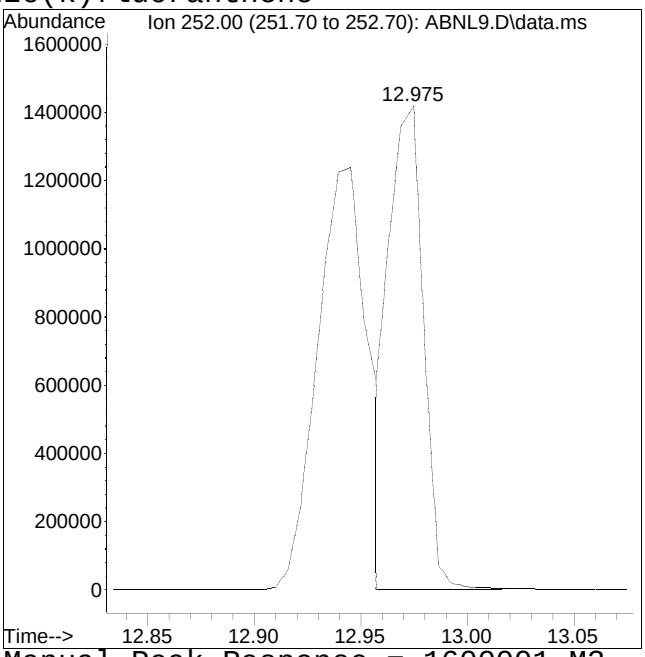


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



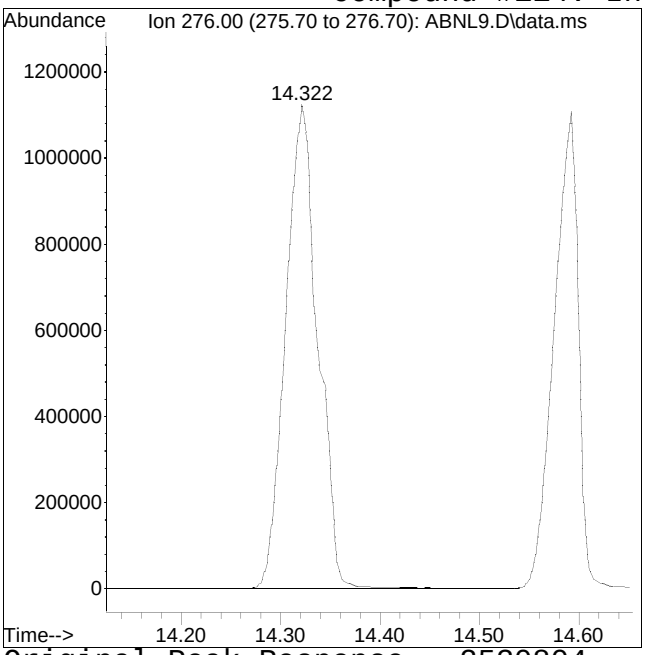


Original Peak Response = 2026755 Manual Peak Response = 1600001 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

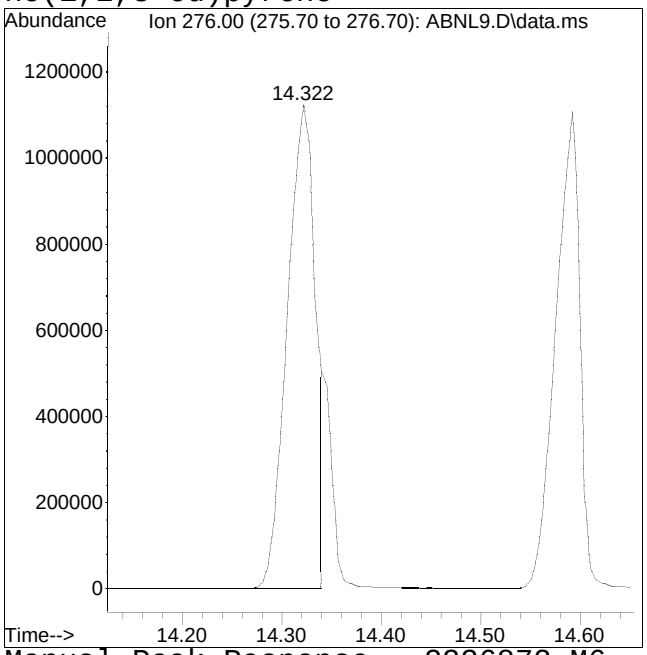
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL9.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:18 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 10778 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2530804



Manual Peak Response = 2226872 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	23361	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 109.86%		
35) IS1_Naphthalene-d8	6.040	136	89632	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.70%		
63) IS1_Acenaphthene-d10	7.746	164	57238	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 116.36%		
88) IS1_Phenanthrene-d10	9.181	188	127467	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 122.73%		
104) IS1_Chrysene-d12	11.828	240	141623	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 127.33%		
113) IS1_Perylene-d12	13.298	264	152512	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 116.07%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	154909	25.253 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1262.65%#		
7) Phenol-d6	4.481	99	198121	25.008 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1250.40%#		
19) Nitrobenzene-d5	5.346	82	192079	25.418 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2541.80%#		
46) 2-Fluorobiphenyl	7.110	172	473165	23.346 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2334.60%#		
79) 2,4,6-Tribromophenol	8.510	330	99010	29.329 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1466.45%#		
96) 4-Terphenyl-d14	10.763	244	779402	23.773 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2377.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.152	74	100835	26.275 ug/ml#	96
3) Pyridine	2.187	79	169913	27.906 ug/ml	84
5) Aniline	4.487	93	261313	24.709 ug/ml#	49
6) 2-Chlorophenol	4.599	128	178547	24.445 ug/ml	96
8) Phenol	4.493	94	227310	24.682 ug/ml#	45
9) Bis(2-chloroethyl)ether	4.563	93	162747	23.874 ug/ml	97
10) 1,3-Dichlorobenzene	4.746	146	207980	23.609 ug/ml	97
11) 1,4-Dichlorobenzene	4.822	146	209957	22.831 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	204963	23.788 ug/ml	96
13) Benzyl alcohol	4.952	79	147370	26.712 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	213410	24.780 ug/ml#	58

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	156869	25.425	ug/ml	97
16) Hexachloroethane	5.299	117	80365	24.675	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.222	70	130659	25.858	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	172439	25.666	ug/ml	97
20) Nitrobenzene	5.363	77	191658	25.451	ug/ml	100
21) Isophorone	5.605	82	350263	25.762	ug/ml	98
22) 2-Nitrophenol	5.675	139	93862	27.985	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	167321	26.017	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	223575	24.429	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	177771	26.405	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	200491	23.514	ug/ml	96
36) Naphthalene	6.063	128	540920	23.021	ug/ml	97
37) Benzoic Acid	5.869	105	135966	25.649	ug/ml	98
38) 4-Chloroaniline	6.128	65	71436	27.053	ug/ml	96
39) Hexachlorobutadiene	6.210	225	132422	24.045	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	167398	26.981	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	382577	23.942	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	131664	23.956	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	146351	26.035	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	154290	26.847	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	160980M3	27.378	ug/ml	
47) 2-Chloronaphthalene	7.205	162	401390	23.615	ug/ml	94
48) 2-Nitroaniline	7.316	138	129369	28.804	ug/ml	93
49) 1,4-Dinitrobenzene	7.446	168	68409	31.051	ug/ml	84
50) 1,3-Dinitrobenzene	7.522	168	77473	30.329	ug/ml	87
51) Dimethyl phthalate	7.516	163	496005	23.990	ug/ml	98
52) Acenaphthylene	7.604	152	624802	24.900	ug/ml	95
53) 2,6-Dinitrotoluene	7.563	165	109328	28.271	ug/ml	91
54) 1,2-Dinitrobenzene	7.604	168	49511	33.374	ug/ml#	1
64) 3-Nitroaniline	7.716	138	120173	28.108	ug/ml	94
65) Acenaphthene	7.781	154	376895	23.629	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	68455	26.120	ug/ml#	83
67) Dibenzofuran	7.946	168	607351	23.103	ug/ml	96
68) 2,4-Dinitrotoluene	7.946	165	164108	29.918	ug/ml	88
69) 4-Nitrophenol	7.316	65	111882	27.007	ug/ml#	11
70) 2,3,5,6-Tetrachlorophenol	8.034	232	153668	28.517	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	150622	28.452	ug/ml	99
72) Diethyl phthalate	8.210	149	512861	24.110	ug/ml	95
73) Fluorene	8.281	166	495678	24.212	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	264737	23.729	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.310	138	131636	29.265	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.340	198	93202	25.514	ug/ml#	75
77)	NDPA/DPA	8.410	169	431193	24.486	ug/ml	92
78)	Azobenzene	8.446	77	463782	24.834	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	173402M3	24.260	ug/ml	
81)	Hexachlorobenzene	8.816	284	205275	22.857	ug/ml#	86
82)	Pentachlorophenol	9.010	266	137366	33.817	ug/ml	99
89)	Phenanthrene	9.204	178	754687	22.383	ug/ml	95
90)	Anthracene	9.251	178	773477	23.446	ug/ml	94
91)	Carbazole	9.416	167	720325	23.847	ug/ml	94
92)	Di-n-butylphthalate	9.799	149	849485	25.781	ug/ml	97
93)	Fluoranthene	10.357	202	913651	23.352	ug/ml	94
94)	Benzidine	10.510	184	605842	28.163	ug/ml	97
95)	Pyrene	10.575	202	963293	23.228	ug/ml	93
97)	Butyl benzyl phthalate	11.287	149	426248	29.236	ug/ml#	95
105)	Benzo(a)anthracene	11.822	228	1064604	23.410	ug/ml	92
106)	3,3'-Dichlorobenzidine	11.816	252	453219	27.360	ug/ml#	95
107)	Chrysene	11.857	228	965858	21.664	ug/ml	92
108)	Bis(2-ethylhexyl)phtha...	11.922	149	666575	29.477	ug/ml#	95
109)	Di-n-octylphthalate	12.604	149	1042242	30.075	ug/ml	99
110)	Benzo(b)fluoranthene	12.934	252	1029857	22.080	ug/ml	95
111)	Benzo(k)fluoranthene	12.963	252	1039846M3	24.425	ug/ml	
112)	Benzo(a)pyrene	13.251	252	980731	24.100	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.310	276	1154840M6	27.081	ug/mL	
115)	Dibenzo(a,h)anthracene	14.334	278	1057237	25.961	ug/ml#	92
116)	Benzo(ghi)perylene	14.581	276	999904	24.332	ug/ml	93

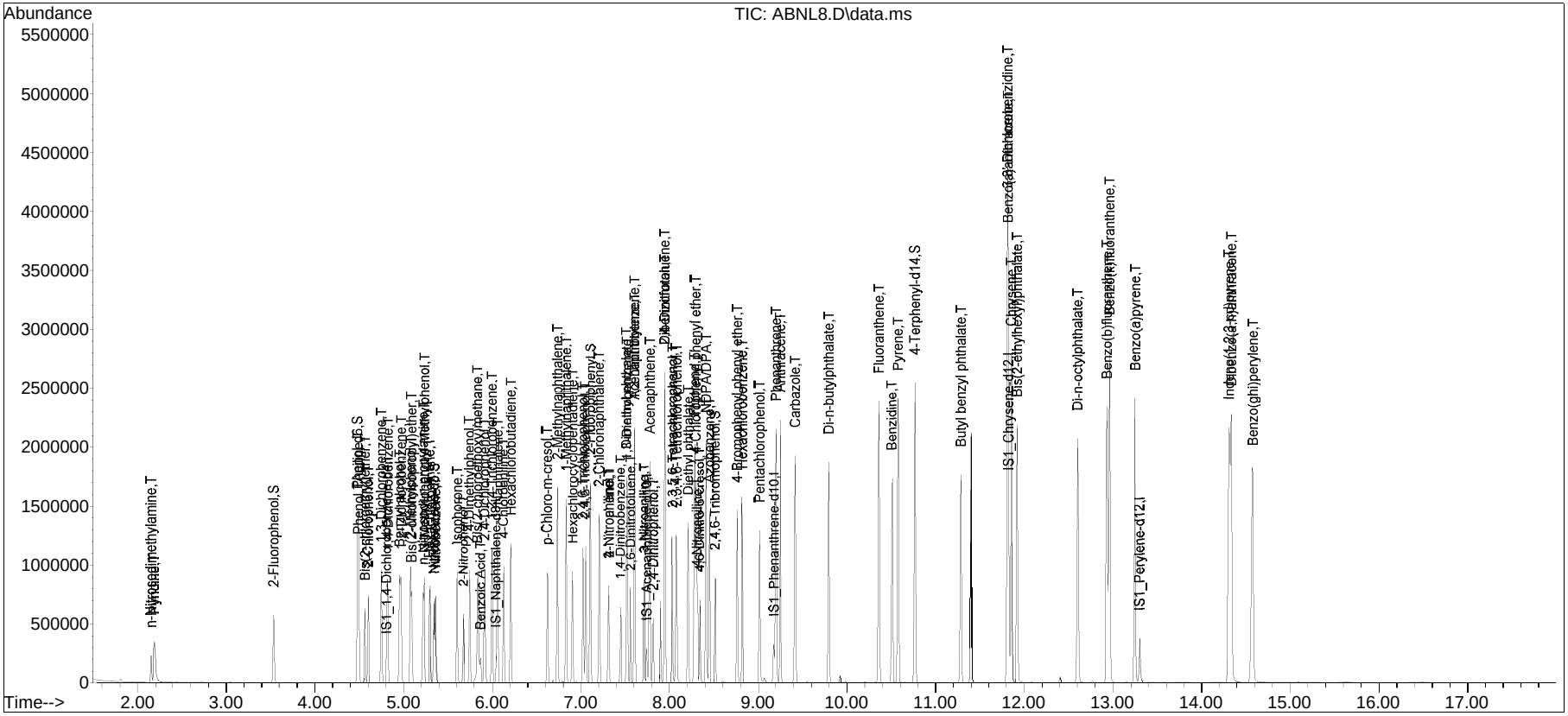
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL8.D
Acq On : 25 Jun 2024 08:41 pm
Operator : SV112:mrg
Sample : IL3,32,,ABNL25 Lot# 10779
Misc : WG1939943
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 30 14:02:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

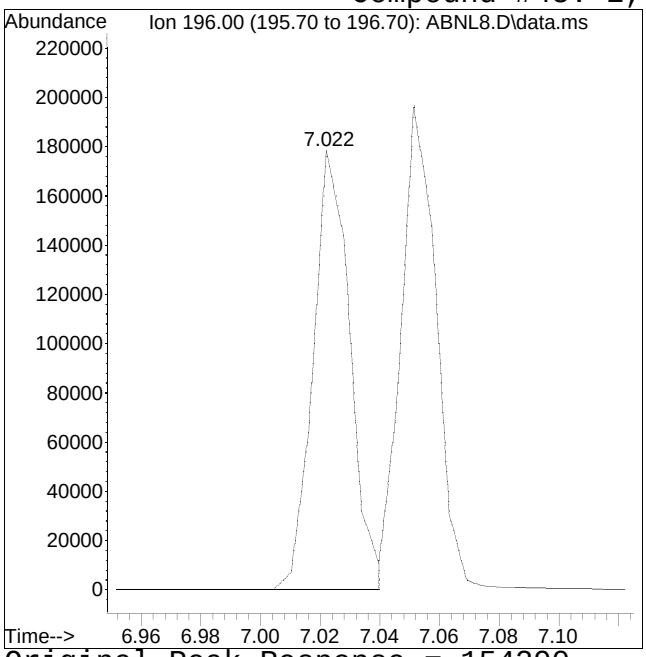
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

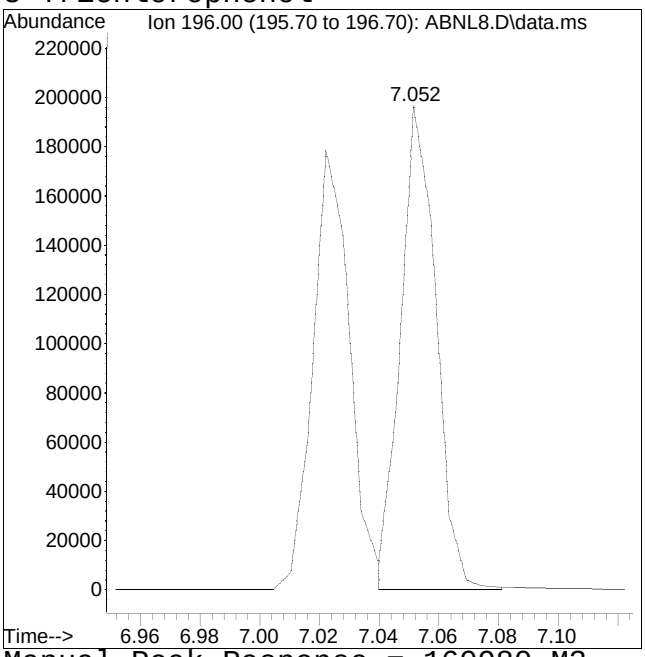


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





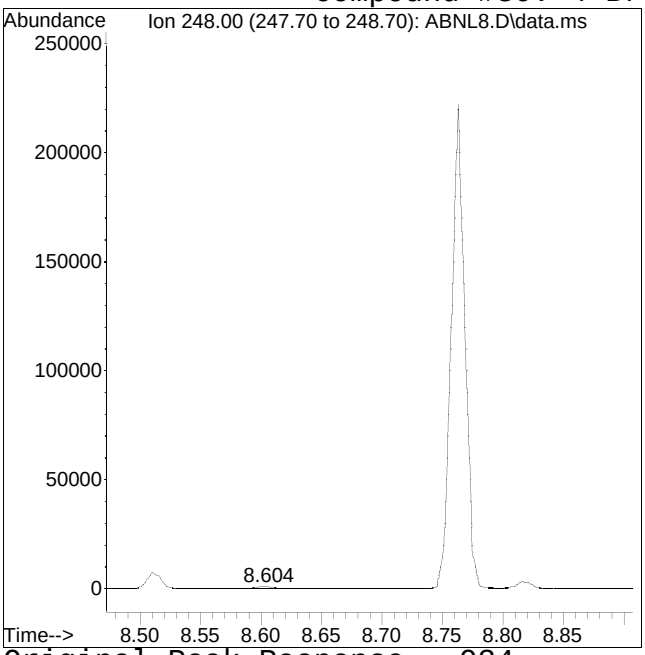
Original Peak Response = 154290 Manual Peak Response = 160980 M3

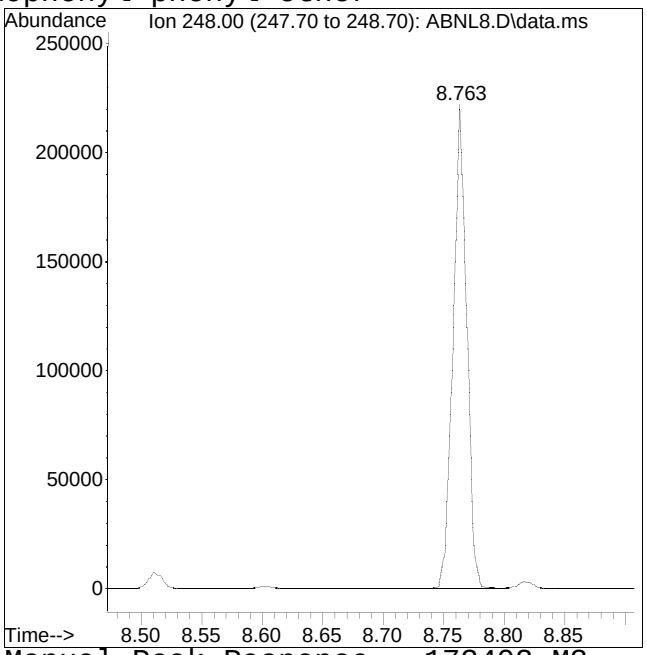
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #80: 4-Bromophenyl phenyl ether





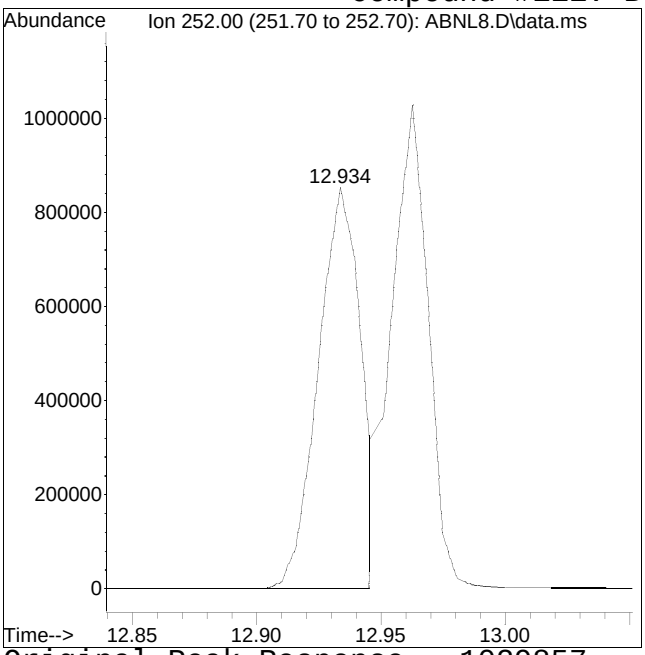
Original Peak Response = 934 Manual Peak Response = 173402 M3

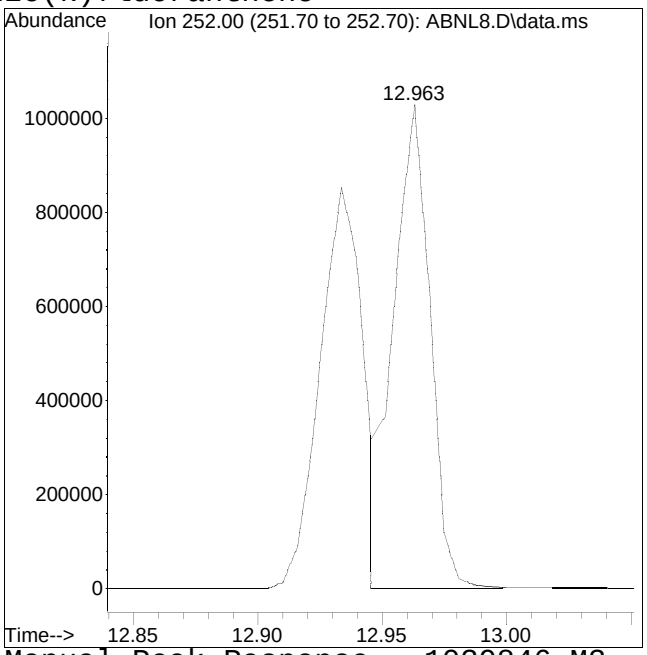
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



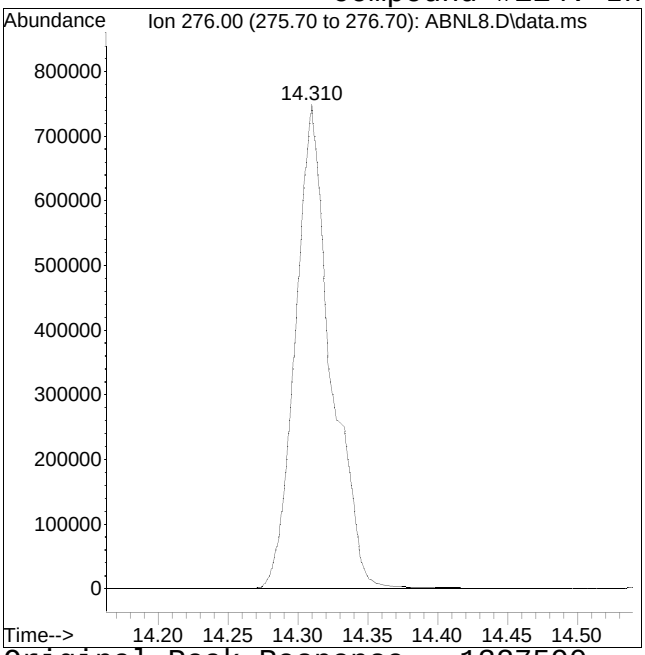


Original Peak Response = 1029857 Manual Peak Response = 1039846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

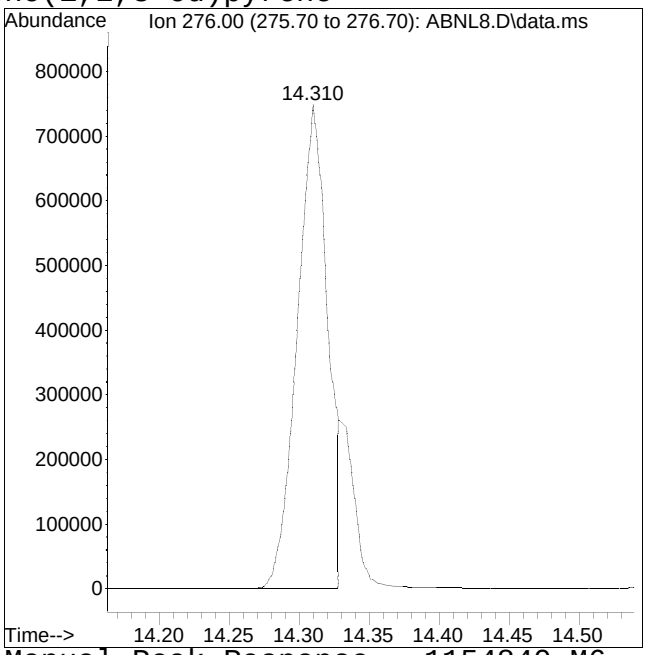
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL8.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 8:41 pm Instrument : SV112
Sample : IL3,32,,ABNL25 Lot# 10779 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1327590



Manual Peak Response = 1154840 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21476	4.000 ug/ml	# 0.00
Standard Area 1 = 21265			Recovery = 100.99%		
35) IS1_Naphthalene-d8	6.040	136	80743	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.82%		
63) IS1_Acenaphthene-d10	7.746	164	50162	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 101.98%		
88) IS1_Phenanthrene-d10	9.175	188	105182	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.27%		
104) IS1_Chrysene-d12	11.828	240	116399	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 104.65%		
113) IS1_Perylene-d12	13.298	264	135461	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.09%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	59729	10.592 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 529.60%#		
7) Phenol-d6	4.481	99	75930	10.426 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 521.30%#		
19) Nitrobenzene-d5	5.346	82	72854	10.487 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 1048.70%#		
46) 2-Fluorobiphenyl	7.110	172	175781	9.628 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 962.80%#		
79) 2,4,6-Tribromophenol	8.510	330	31976	10.808 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 540.40%#		
96) 4-Terphenyl-d14	10.757	244	269895	9.976 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 997.60%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	39574	11.217 ug/ml	97
3) Pyridine	2.205	79	65204	11.649 ug/ml	85
5) Aniline	4.487	93	99553	10.240 ug/ml#	50
6) 2-Chlorophenol	4.599	128	68421	10.190 ug/ml	96
8) Phenol	4.493	94	87347	10.317 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.564	93	62434	9.963 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	79579	9.826 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	81378	9.626 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	77634	9.801 ug/ml	96
13) Benzyl alcohol	4.952	79	54366	10.719 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	79023	9.981 ug/ml#	57

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	59138	10.426	ug/ml	98
16) Hexachloroethane	5.299	117	29872	9.977	ug/ml#	65
17) n-Nitrosodi-n-propylamine	5.216	70	47976	10.328	ug/ml	98
18) 3-Methylphenol/4-Methy...	5.234	108	64683	10.472	ug/ml	96
20) Nitrobenzene	5.363	77	72400	10.458	ug/ml	99
21) Isophorone	5.599	82	129481	10.359	ug/ml	98
22) 2-Nitrophenol	5.675	139	32940	10.683	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	60962	10.311	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	83082	9.875	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	65466	10.577	ug/ml	95
26) 1,2,4-Trichlorobenzene	5.993	180	74135	9.458	ug/ml	95
36) Naphthalene	6.058	128	210448	9.942	ug/ml	99
37) Benzoic Acid	5.834	105	43865	9.322	ug/ml	99
38) 4-Chloroaniline	6.128	65	25347	10.656	ug/ml	91
39) Hexachlorobutadiene	6.210	225	48635	9.803	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	59753	10.691	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	141331	9.818	ug/ml	97
42) 1-Methylnaphthalene	6.834	115	47724	9.639	ug/ml	97
43) Hexachlorocyclopentadiene	6.910	237	51016	10.075	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	54964	10.617	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	56138M3	10.599	ug/ml	
47) 2-Chloronaphthalene	7.205	162	148455	9.696	ug/ml	94
48) 2-Nitroaniline	7.310	138	44168	10.917	ug/ml	94
49) 1,4-Dinitrobenzene	7.446	168	22377	11.275	ug/ml	88
50) 1,3-Dinitrobenzene	7.516	168	25446	11.058	ug/ml	89
51) Dimethyl phthalate	7.510	163	176799	9.492	ug/ml	99
52) Acenaphthylene	7.605	152	227136	10.049	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	36452	10.464	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	16118	12.061	ug/ml#	1
64) 3-Nitroaniline	7.710	138	42491	11.340	ug/ml	94
65) Acenaphthene	7.775	154	135917	9.723	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	21119	9.878	ug/ml#	85
67) Dibenzofuran	7.946	168	222891	9.675	ug/ml	93
68) 2,4-Dinitrotoluene	7.946	165	52394	10.899	ug/ml	91
69) 4-Nitrophenol	7.310	65	38608	10.634	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	52121	11.037	ug/ml	100
71) 2,3,4,6-Tetrachlorophenol	8.075	232	50211	10.823	ug/ml	99
72) Diethyl phthalate	8.204	149	177146	9.502	ug/ml	97
73) Fluorene	8.275	166	174896	9.748	ug/ml	97
74) 4-Chlorophenyl phenyl ...	8.293	204	89679	9.172	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	45225	11.473	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	29082	9.234	ug/ml#	78
77)	NDPA/DPA	8.404	169	152382	9.874	ug/ml	95
78)	Azobenzene	8.440	77	163681	10.001	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	57922	9.247	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	69475	8.827	ug/ml#	86
82)	Pentachlorophenol	9.010	266	43211	12.138	ug/ml	99
89)	Phenanthrene	9.199	178	274753	9.875	ug/ml	98
90)	Anthracene	9.251	178	281146	10.328	ug/ml	98
91)	Carbazole	9.416	167	263327	10.564	ug/ml	97
92)	Di-n-butylphthalate	9.799	149	289191	10.636	ug/ml	99
93)	Fluoranthene	10.357	202	332906M3	10.311	ug/ml	
94)	Benzidine	10.504	184	209641	11.810	ug/ml#	97
95)	Pyrene	10.575	202	353575	10.332	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	129222	10.741	ug/ml	95
105)	Benzo(a)anthracene	11.816	228	383220	10.253	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.810	252	152179	11.178	ug/ml#	97
107)	Chrysene	11.851	228	363469	9.919	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.922	149	204221	10.988	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	334815	11.755	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	382689	9.983	ug/ml#	96
111)	Benzo(k)fluoranthene	12.957	252	400155M3	11.436	ug/ml	
112)	Benzo(a)pyrene	13.245	252	362257	10.831	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.304	276	393528M6	10.390	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	389820	10.777	ug/ml#	92
116)	Benzo(ghi)perylene	14.569	276	373879	10.243	ug/ml#	93

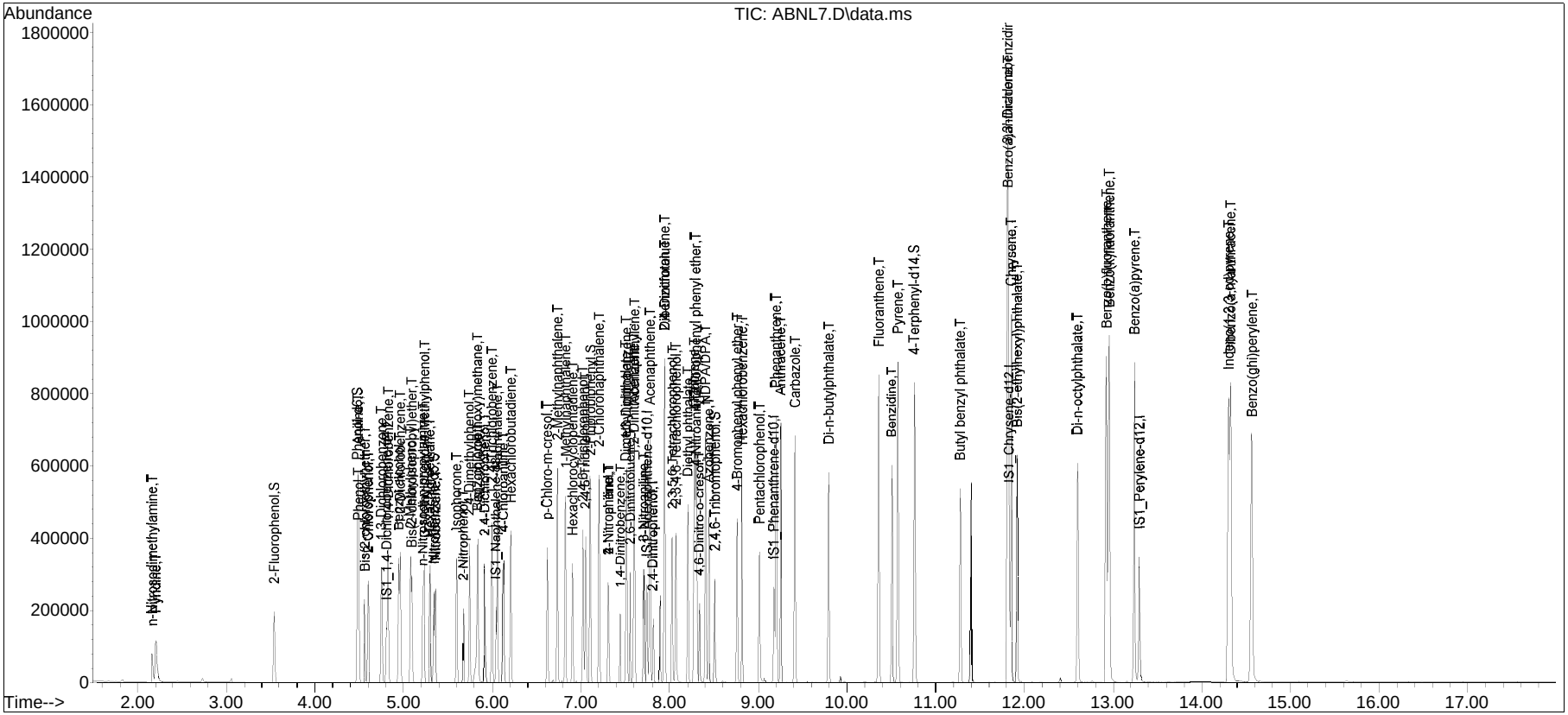
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL7.D
Acq On : 25 Jun 2024 09:04 pm
Operator : SV112:mrg
Sample : IL4,32,,ABNL10 Lot# 10780
Misc : WG1939943
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 14:01:51 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

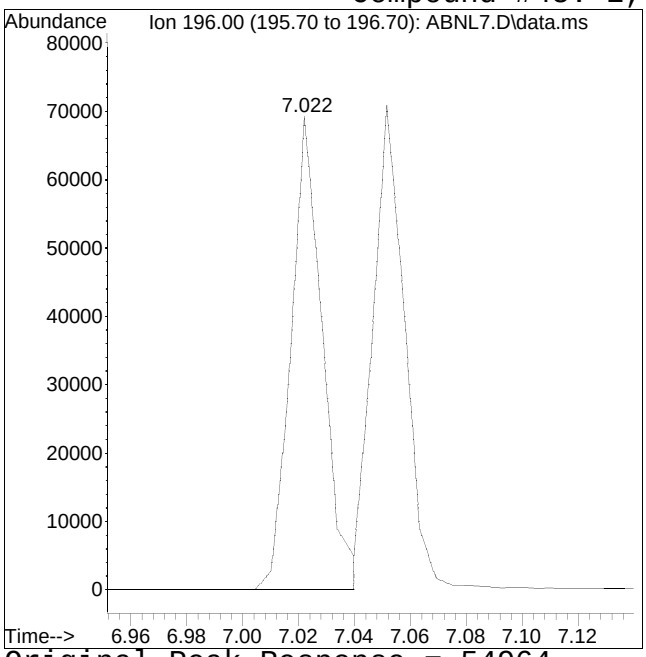
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

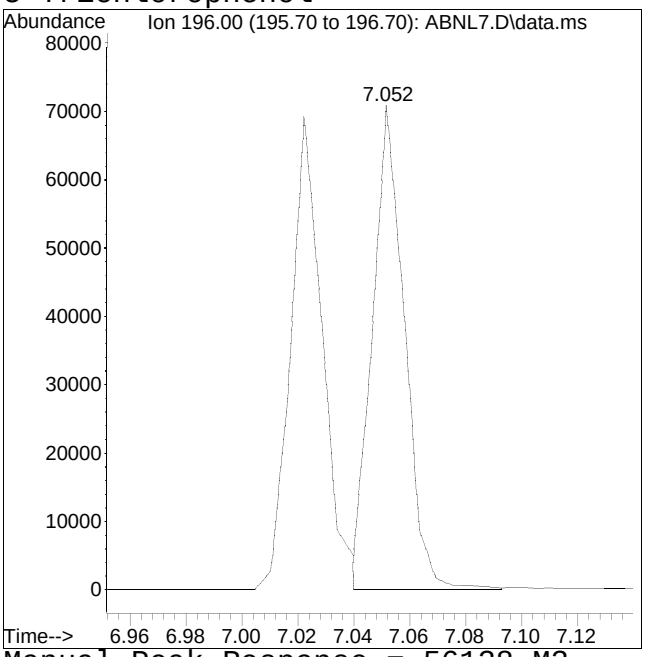


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





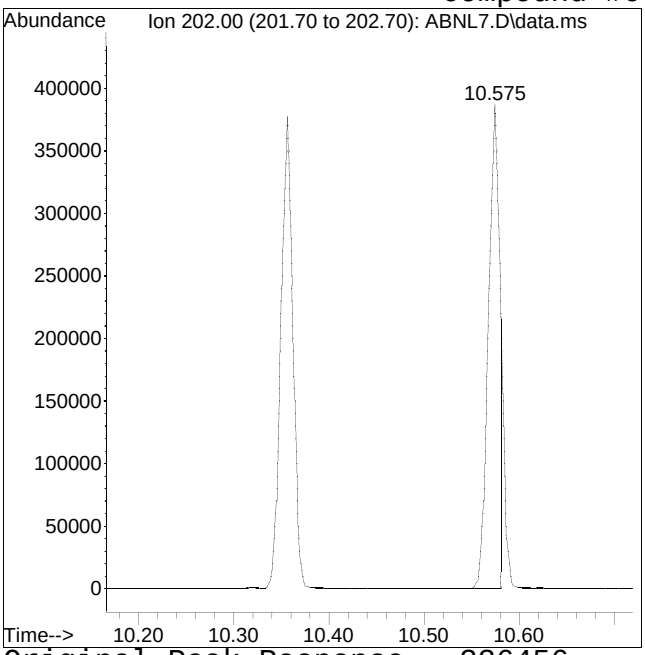
Original Peak Response = 54964 Manual Peak Response = 56138 M3

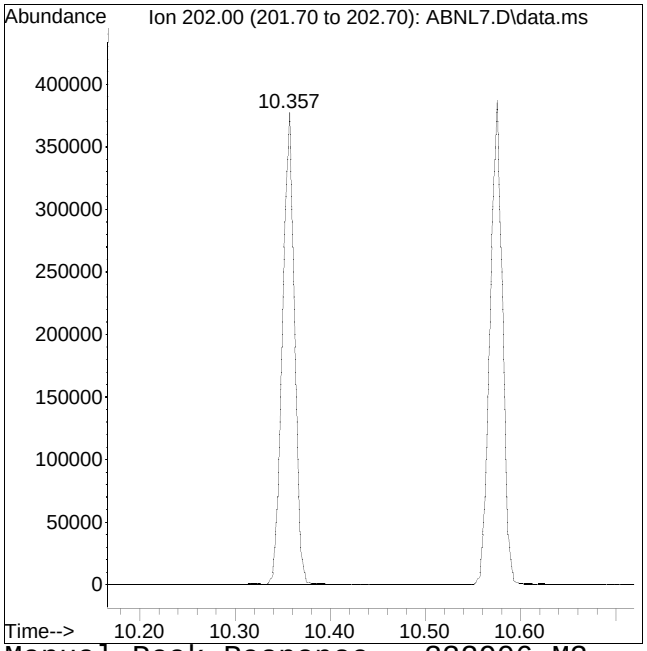
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene





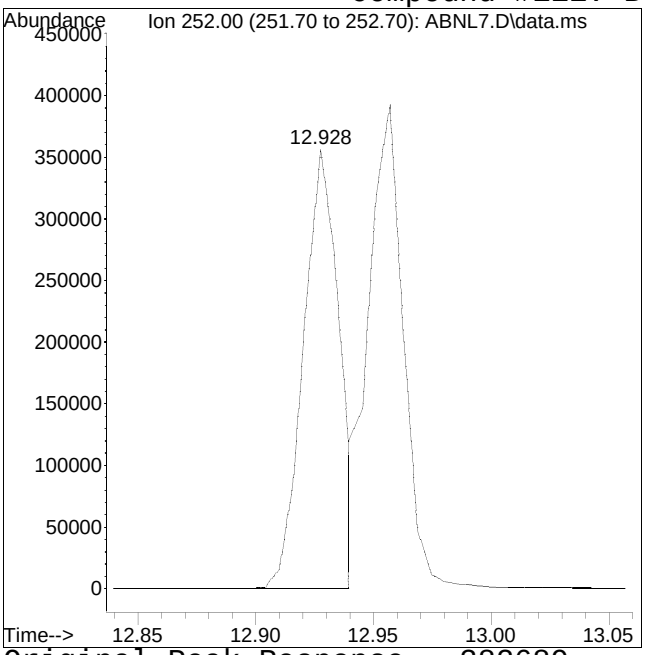
Original Peak Response = 336456 Manual Peak Response = 332906 M3

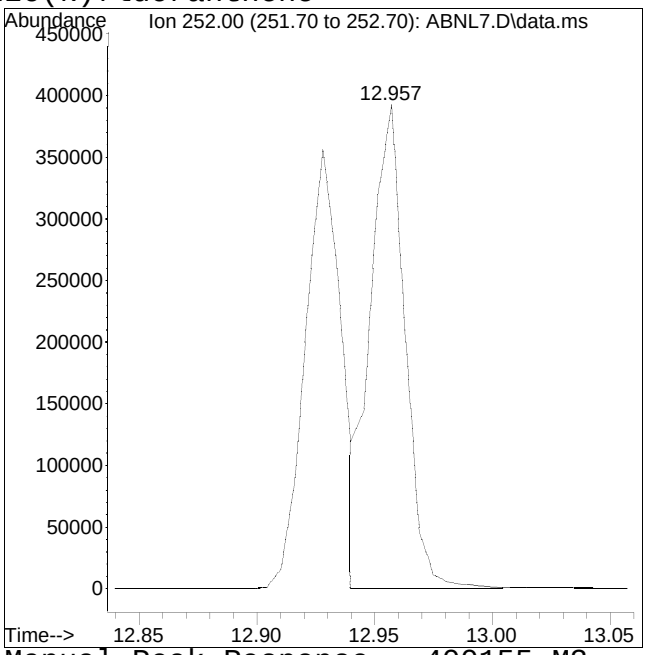
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



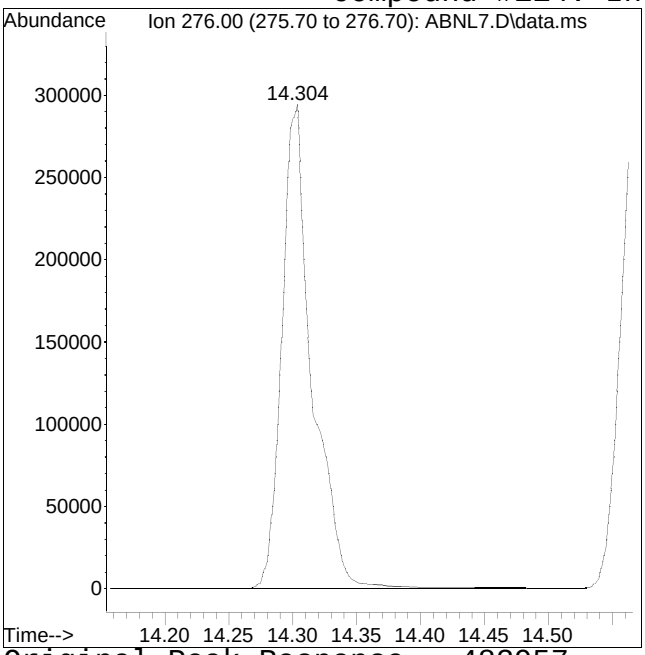


Original Peak Response = 382689 Manual Peak Response = 400155 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

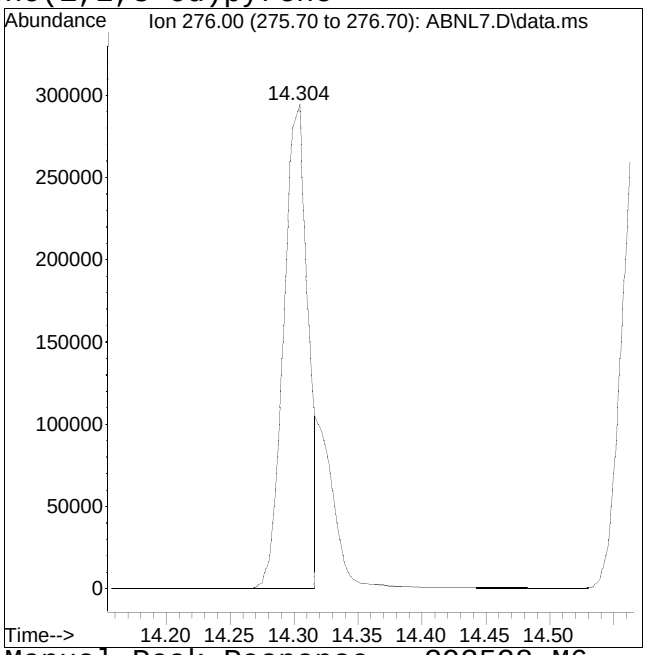
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL7.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:04 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 10780 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 483957



Manual Peak Response = 393528 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21265	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 100.00%		
35) IS1_Naphthalene-d8	6.040	136	81706	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.00%		
63) IS1_Acenaphthene-d10	7.746	164	49189	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.00%		
88) IS1_Phenanthrene-d10	9.175	188	103858	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 100.00%		
104) IS1_Chrysene-d12	11.822	240	111228	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 100.00%		
113) IS1_Perylene-d12	13.298	264	131396	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 100.00%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	28423	5.090 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 254.50%#		
7) Phenol-d6	4.481	99	36360	5.042 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.10%#		
19) Nitrobenzene-d5	5.346	82	34266	4.981 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 498.10%#		
46) 2-Fluorobiphenyl	7.104	172	83703	4.531 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.10%#		
79) 2,4,6-Tribromophenol	8.510	330	14492	4.995 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 249.75%#		
96) 4-Terphenyl-d14	10.757	244	124497	4.661 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 466.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	18995	5.437 ug/ml	95
3) Pyridine	2.211	79	31564	5.695 ug/ml	85
5) Aniline	4.487	93	46800	4.862 ug/ml#	49
6) 2-Chlorophenol	4.599	128	32542	4.894 ug/ml	96
8) Phenol	4.493	94	41620	4.965 ug/ml#	47
9) Bis(2-chloroethyl)ether	4.563	93	29770	4.798 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	39529	4.929 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	39493	4.718 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	37964	4.840 ug/ml	96
13) Benzyl alcohol	4.952	79	25194	5.017 ug/ml	95
14) Bis(2-chloroisopropyl)...	5.093	45	37919	4.837 ug/ml#	59

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	27940	4.975	ug/ml	98
16) Hexachloroethane	5.299	117	14415	4.862	ug/ml#	66
17) n-Nitrosodi-n-propylamine	5.216	70	22432	4.877	ug/ml	96
18) 3-Methylphenol/4-Methy...	5.234	108	30998	5.068	ug/ml	98
20) Nitrobenzene	5.363	77	34247	4.996	ug/ml	97
21) Isophorone	5.599	82	60249	4.868	ug/ml	99
22) 2-Nitrophenol	5.675	139	15267	5.001	ug/ml	95
23) 2,4-Dimethylphenol	5.746	107	26689	4.559	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	38883	4.667	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29856	4.872	ug/ml	94
26) 1,2,4-Trichlorobenzene	5.993	180	35413	4.563	ug/ml	96
36) Naphthalene	6.057	128	101806	4.753	ug/ml	99
37) Benzoic Acid	5.816	105	16602	3.620	ug/ml	92
38) 4-Chloroaniline	6.122	65	11970	4.973	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23051	4.592	ug/ml	99
40) p-Chloro-m-cresol	6.616	107	27572	4.875	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	66348	4.555	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	22232	4.437	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	23071	4.502	ug/ml	100
44) 2,4,6-Trichlorophenol	7.022	196	25423	4.853	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	26339	4.914	ug/ml	99
47) 2-Chloronaphthalene	7.204	162	71163	4.593	ug/ml	94
48) 2-Nitroaniline	7.310	138	19492	4.761	ug/ml	95
49) 1,4-Dinitrobenzene	7.440	168	9710	4.835	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	11279	4.844	ug/ml	90
51) Dimethyl phthalate	7.510	163	84473	4.482	ug/ml	100
52) Acenaphthylene	7.604	152	108184	4.730	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	16668	4.728	ug/ml	94
54) 1,2-Dinitrobenzene	7.599	168	7184	5.312	ug/ml#	1
64) 3-Nitroaniline	7.710	138	18953	5.158	ug/ml	94
65) Acenaphthene	7.775	154	63705	4.647	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	9041	4.592	ug/ml#	83
67) Dibenzofuran	7.946	168	106110	4.697	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	23907	5.072	ug/ml	92
69) 4-Nitrophenol	7.310	65	17559	4.932	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	23788	5.137	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	22430	4.930	ug/ml	98
72) Diethyl phthalate	8.198	149	82467	4.511	ug/ml	95
73) Fluorene	8.275	166	82653	4.698	ug/ml	96
74) 4-Chlorophenyl phenyl ...	8.293	204	42516	4.434	ug/ml#	82

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	20520	5.308	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.334	198	12548	4.193	ug/ml#	78
77)	NDPA/DPA	8.404	169	70812	4.679	ug/ml	95
78)	Azobenzene	8.440	77	77468	4.827	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	27083	4.409	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	32534	4.215	ug/ml#	86
82)	Pentachlorophenol	9.010	266	18544	5.312	ug/ml	99
89)	Phenanthrene	9.198	178	131334	4.781	ug/ml	99
90)	Anthracene	9.251	178	129313	4.811	ug/ml	98
91)	Carbazole	9.416	167	123110	5.002	ug/ml	98
92)	Di-n-butylphthalate	9.798	149	127369	4.744	ug/ml	99
93)	Fluoranthene	10.357	202	152966M3	4.798	ug/ml	
94)	Benzidine	10.504	184	90848	5.183	ug/ml#	97
95)	Pyrene	10.575	202	167321	4.952	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	54658	4.601	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	172947	4.842	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	64802	4.981	ug/ml#	96
107)	Chrysene	11.851	228	167510	4.784	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	84757	4.772	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	137975	5.069	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	180541	4.929	ug/ml#	96
111)	Benzo(k)fluoranthene	12.951	252	177737M3	5.316	ug/ml	
112)	Benzo(a)pyrene	13.239	252	163243	5.108	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	187791M6	5.111	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	177411	5.057	ug/ml#	92
116)	Benzo(ghi)perylene	14.563	276	174444	4.927	ug/ml#	93

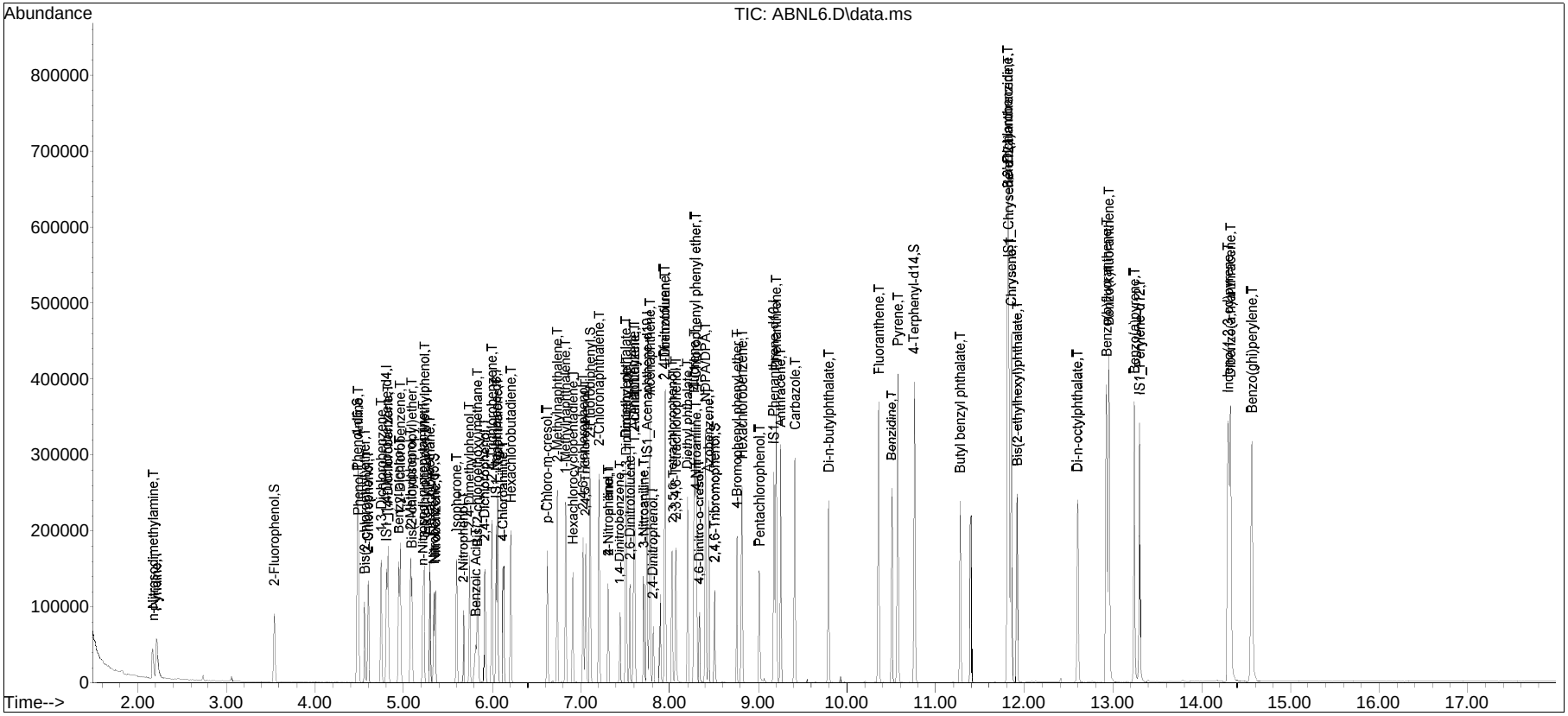
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL6.D
Acq On : 25 Jun 2024 09:27 pm
Operator : SV112:mrg
Sample : IL5,32,,ABNL5 Lot# 10781
Misc : WG1939943
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 14:01:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

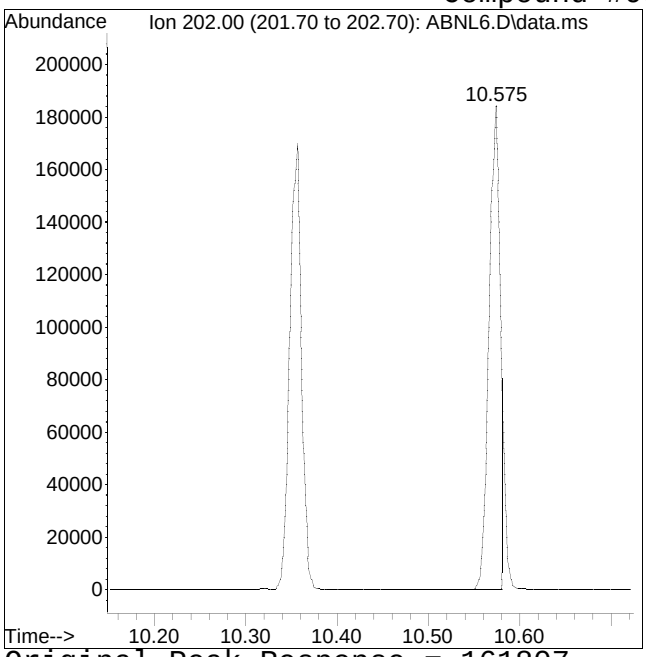
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

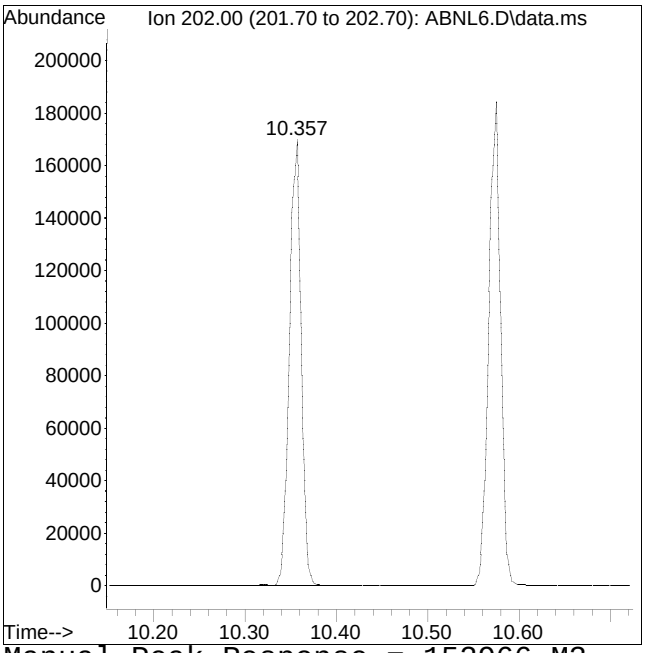


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



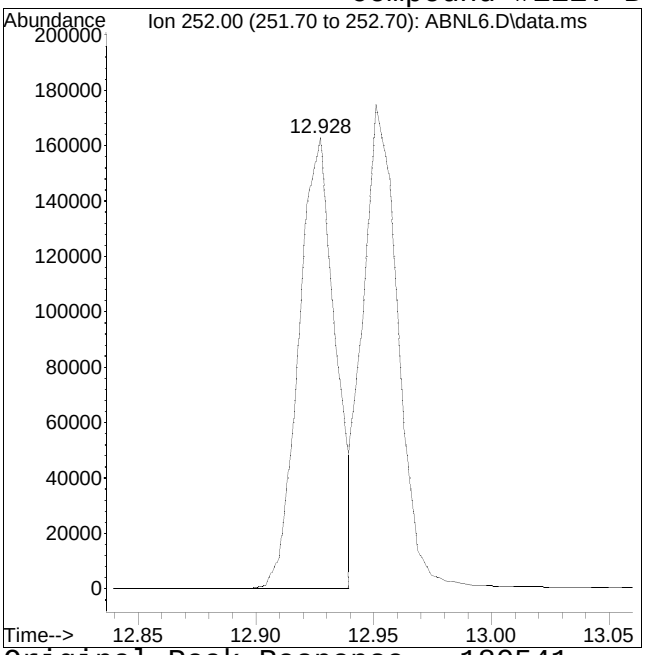


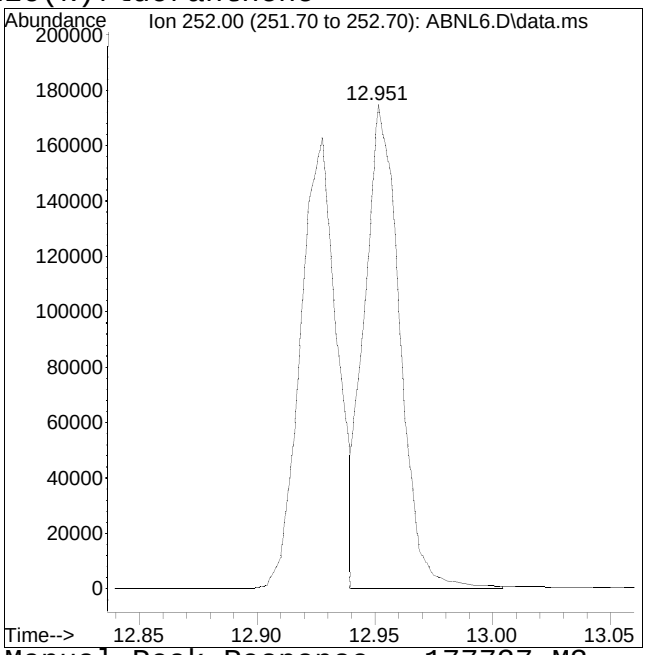
Original Peak Response = 161807 Manual Peak Response = 152966 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



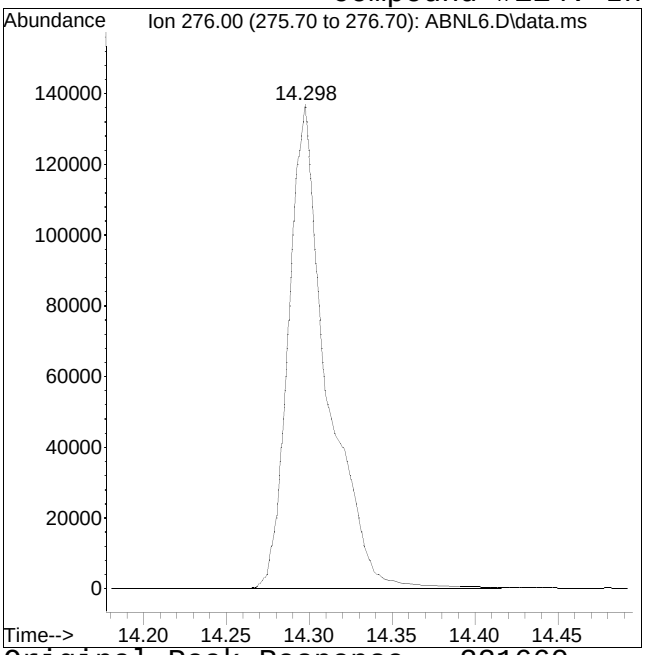


Original Peak Response = 180541 Manual Peak Response = 177737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

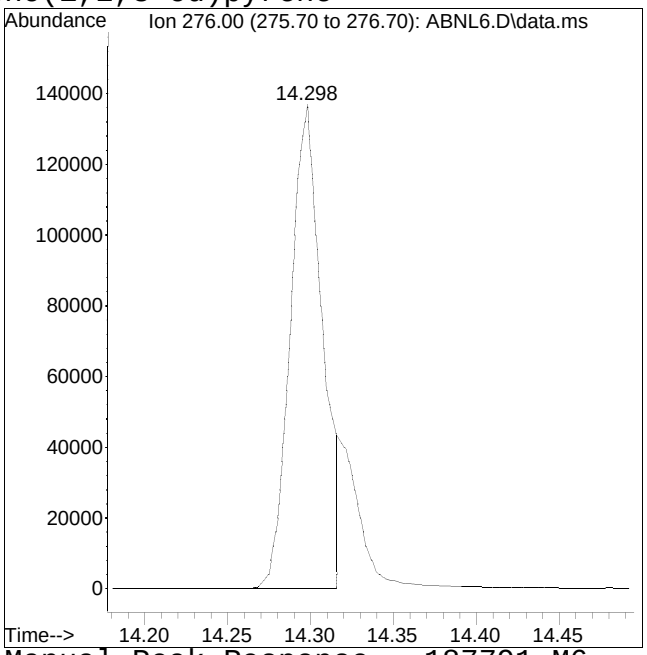
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL6.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:27 pm Instrument : SV112
Sample : IL5,32,,ABNL5 Lot# 10781 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 221660



Manual Peak Response = 187791 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	22768	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 107.07%		
35) IS1_Naphthalene-d8	6.040	136	89068	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 109.01%		
63) IS1_Acenaphthene-d10	7.746	164	57600	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 117.10%		
88) IS1_Phenanthrene-d10	9.175	188	128913	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 124.12%		
104) IS1_Chrysene-d12	11.822	240	140560	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 126.37%		
113) IS1_Perylene-d12	13.298	264	160405	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 122.08%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	14512	2.427 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 121.35%#		
7) Phenol-d6	4.475	99	18344	2.376 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 118.80%#		
19) Nitrobenzene-d5	5.346	82	17874	2.427 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 242.70%#		
46) 2-Fluorobiphenyl	7.104	172	49719	2.469 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 246.90%#		
79) 2,4,6-Tribromophenol	8.510	330	8972	2.641 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 132.05%#		
96) 4-Terphenyl-d14	10.757	244	84283	2.542 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 254.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	9366	2.504 ug/ml#	90
3) Pyridine	2.205	79	14518	2.446 ug/ml	83
5) Aniline	4.487	93	24945	2.420 ug/ml#	51
6) 2-Chlorophenol	4.599	128	16905	2.375 ug/ml	95
8) Phenol	4.487	94	21723	2.420 ug/ml#	46
9) Bis(2-chloroethyl)ether	4.563	93	16266	2.448 ug/ml	96
10) 1,3-Dichlorobenzene	4.746	146	20468	2.384 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	21148	2.360 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	20265	2.413 ug/ml	97
13) Benzyl alcohol	4.952	79	13478	2.507 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	21443	2.555 ug/ml#	62

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	14305	2.379	ug/ml	96
16) Hexachloroethane	5.299	117	7327	2.308	ug/ml#	62
17) n-Nitrosodi-n-propylamine	5.216	70	12281	2.494	ug/ml	97
18) 3-Methylphenol/4-Methy...	5.234	108	15964	2.438	ug/ml	97
20) Nitrobenzene	5.363	77	18050	2.459	ug/ml	97
21) Isophorone	5.599	82	33596	2.535	ug/ml	98
22) 2-Nitrophenol	5.675	139	8162	2.497	ug/ml	93
23) 2,4-Dimethylphenol	5.746	107	15804	2.521	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	22151	2.483	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	16167	2.464	ug/ml#	93
26) 1,2,4-Trichlorobenzene	5.993	180	19613	2.360	ug/ml	95
36) Naphthalene	6.057	128	55949	2.396	ug/ml	99
37) Benzoic Acid	5.805	105	7164	1.561	ug/ml	98
38) 4-Chloroaniline	6.122	65	6841	2.607	ug/ml	98
39) Hexachlorobutadiene	6.210	225	12562	2.295	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	15516	2.517	ug/ml	97
41) 2-Methylnaphthalene	6.740	142	37292	2.348	ug/ml	96
42) 1-Methylnaphthalene	6.828	115	12837	2.350	ug/ml	95
43) Hexachlorocyclopentadiene	6.910	237	13409	2.401	ug/ml	99
44) 2,4,6-Trichlorophenol	7.022	196	14191	2.485	ug/ml	99
45) 2,4,5-Trichlorophenol	7.051	196	14289M3	2.446	ug/ml	
47) 2-Chloronaphthalene	7.204	162	41100	2.433	ug/ml	94
48) 2-Nitroaniline	7.310	138	10733	2.405	ug/ml	94
49) 1,4-Dinitrobenzene	7.440	168	5423	2.477	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	6188	2.438	ug/ml	95
51) Dimethyl phthalate	7.510	163	51429	2.503	ug/ml	99
52) Acenaphthylene	7.604	152	63219	2.535	ug/ml	99
53) 2,6-Dinitrotoluene	7.551	165	9849	2.563	ug/ml	95
54) 1,2-Dinitrobenzene	7.599	168	4033	2.736	ug/ml#	1
64) 3-Nitroaniline	7.710	138	10758	2.500	ug/ml	97
65) Acenaphthene	7.775	154	37917	2.362	ug/ml	96
66) 2,4-Dinitrophenol	7.810	184	4775	2.291	ug/ml#	83
67) Dibenzofuran	7.946	168	63041	2.383	ug/ml	94
68) 2,4-Dinitrotoluene	7.940	165	13917	2.521	ug/ml	93
69) 4-Nitrophenol	7.310	65	9511	2.281	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	13736	2.533	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	8.075	232	14002	2.628	ug/ml	98
72) Diethyl phthalate	8.198	149	53794	2.513	ug/ml	97
73) Fluorene	8.275	166	49869	2.421	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	26566	2.366	ug/ml#	82

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.298	138	11886	2.626	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	7380	2.221	ug/ml#	76
77)	NDPA/DPA	8.404	169	43143	2.435	ug/ml	94
78)	Azobenzene	8.440	77	46861	2.493	ug/ml#	94
80)	4-Bromophenyl phenyl e...	8.763	248	16949	2.356	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	21027	2.327	ug/ml#	84
82)	Pentachlorophenol	9.010	266	10924	2.672	ug/ml	98
89)	Phenanthrene	9.198	178	81747	2.397	ug/ml	98
90)	Anthracene	9.245	178	80680	2.418	ug/ml	99
91)	Carbazole	9.410	167	75932	2.486	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	86882	2.607	ug/ml	99
93)	Fluoranthene	10.357	202	97797M3	2.472	ug/ml	
94)	Benzidine	10.504	184	56239	2.585	ug/ml#	98
95)	Pyrene	10.575	202	105090	2.506	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	36400	2.469	ug/ml	94
105)	Benzo(a)anthracene	11.816	228	111753	2.476	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	40371	2.456	ug/ml#	96
107)	Chrysene	11.851	228	108259	2.447	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	58065	2.587	ug/ml#	99
109)	Di-n-octylphthalate	12.598	149	89425	2.600	ug/ml	97
110)	Benzo(b)fluoranthene	12.928	252	112721	2.435	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	107892M3	2.553	ug/ml	
112)	Benzo(a)pyrene	13.239	252	98942	2.450	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.298	276	100988M6	2.252	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	102782	2.400	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	101454	2.347	ug/ml#	93

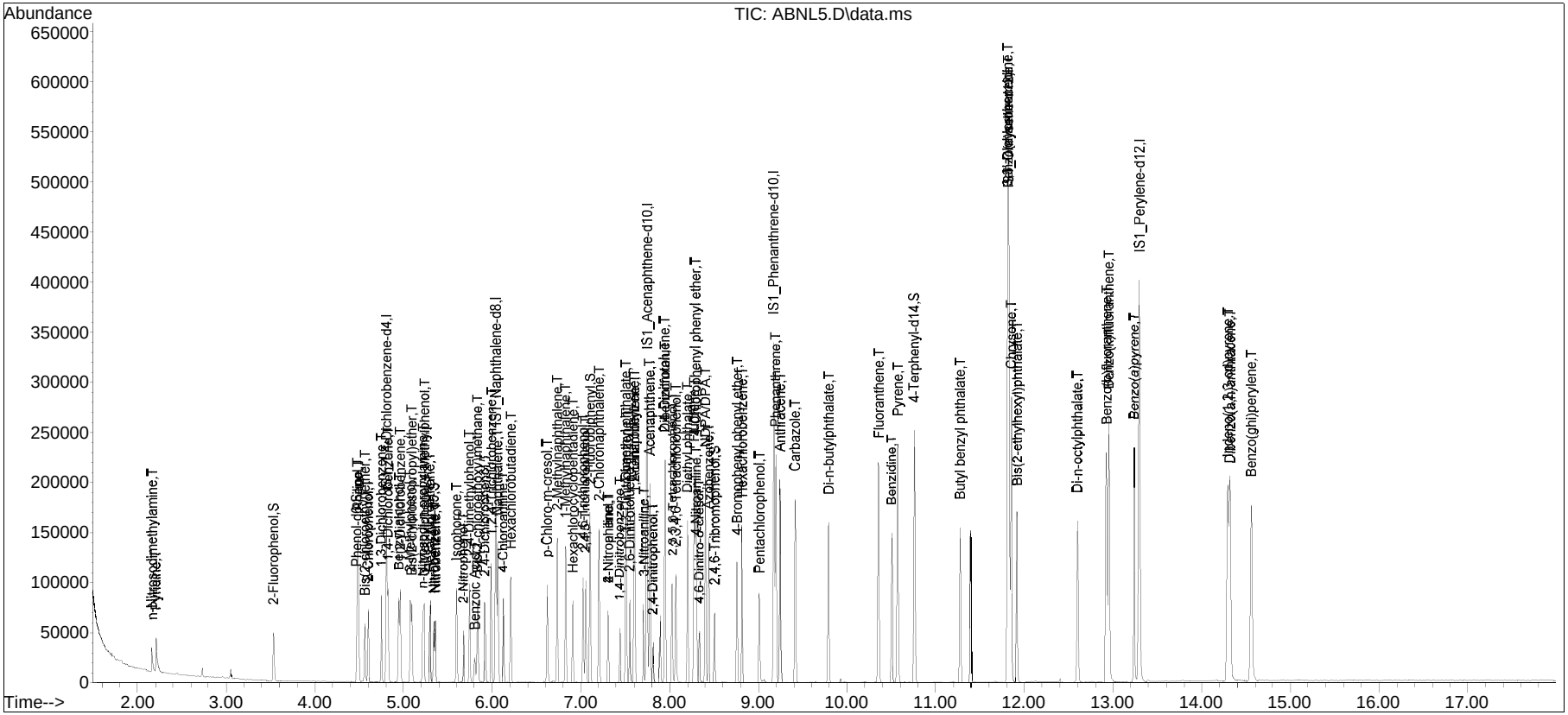
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL5.D
Acq On : 25 Jun 2024 09:50 pm
Operator : SV112:mrg
Sample : IL6,32,,ABNL2.5 Lot# 10782
Misc : WG1939943
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 14:01:31 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

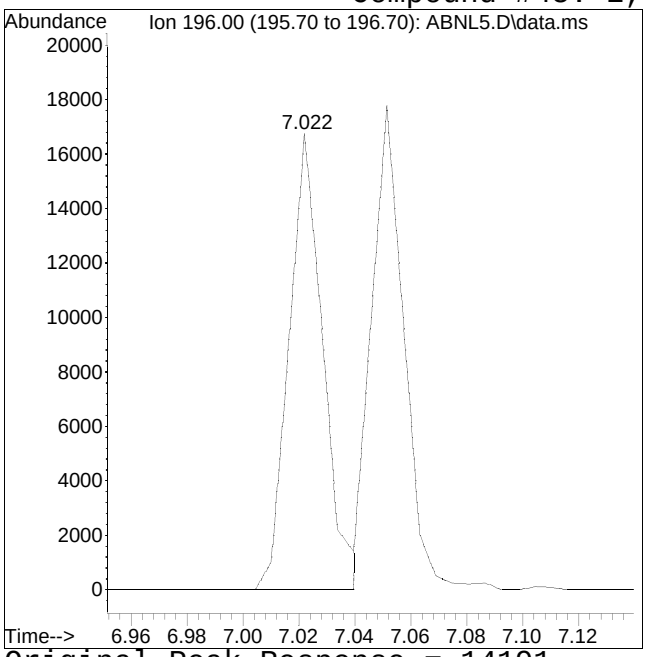
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

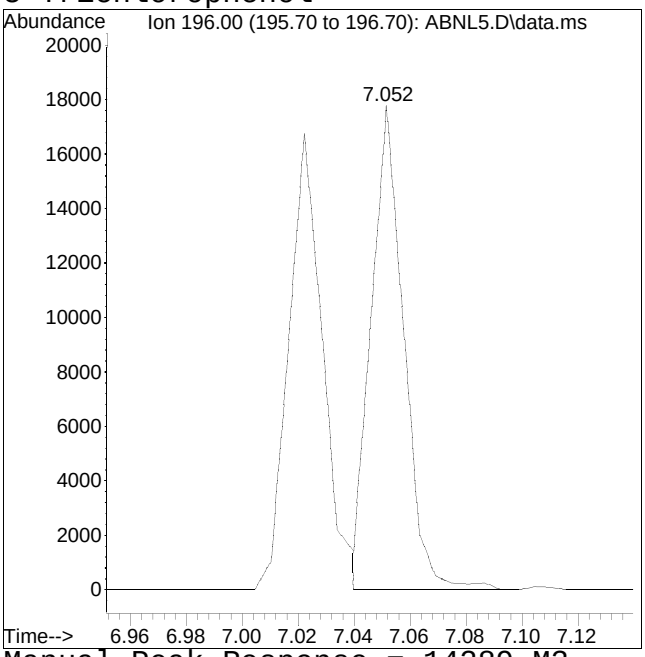


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





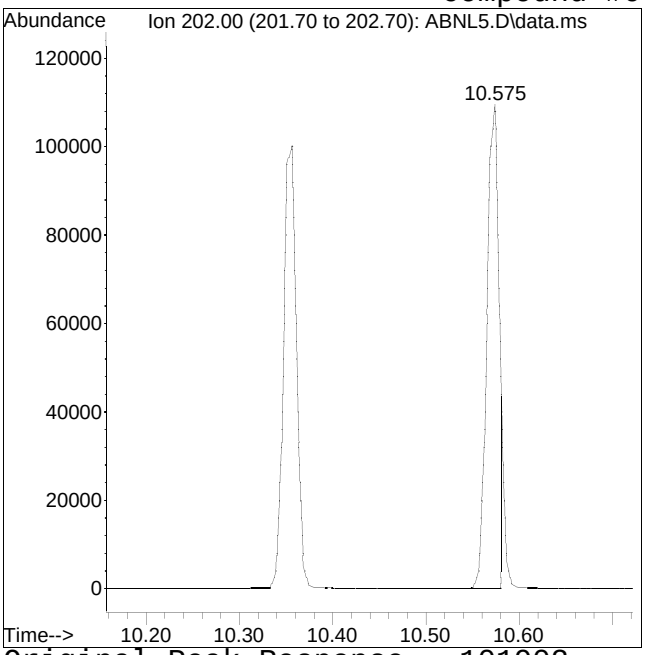
Original Peak Response = 14191 Manual Peak Response = 14289 M3

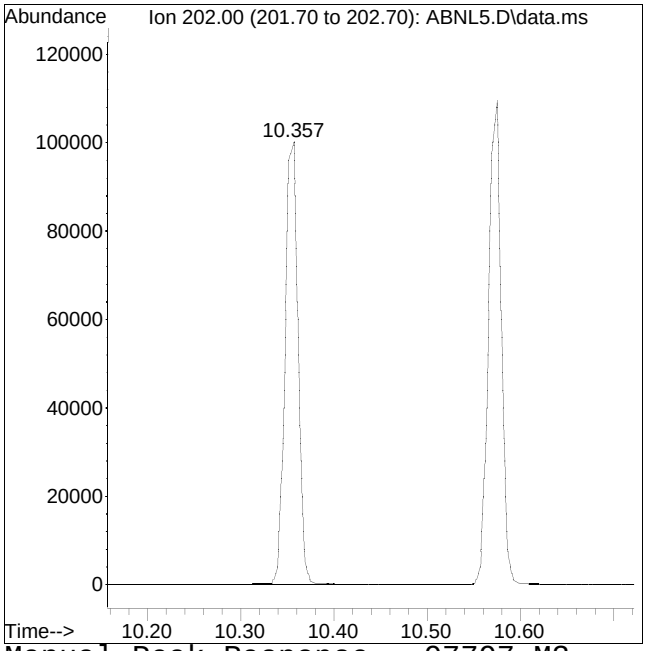
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



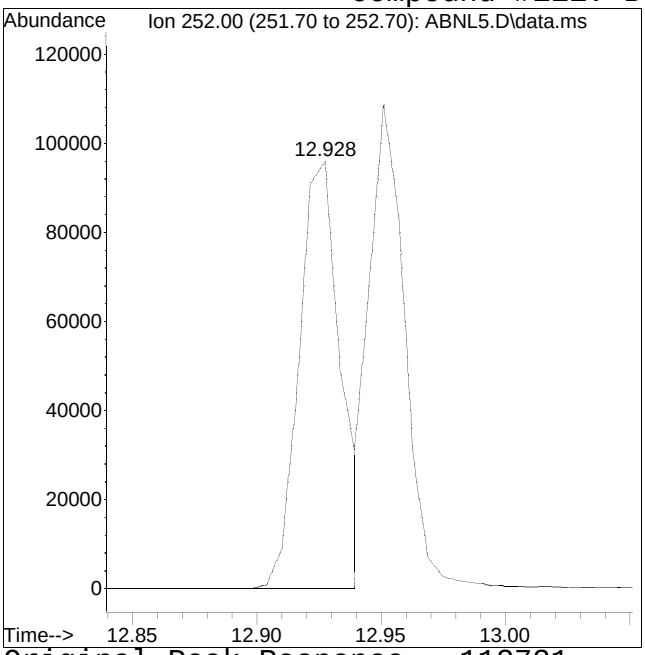


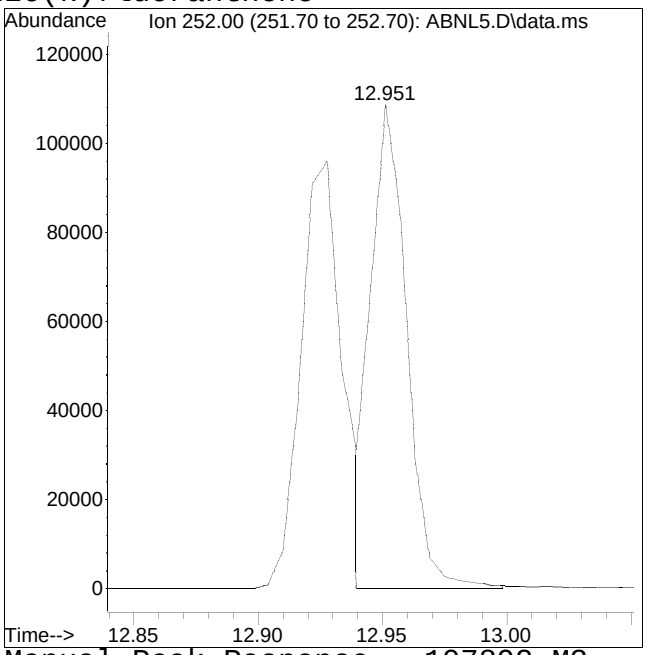
Original Peak Response = 101902 Manual Peak Response = 97797 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene





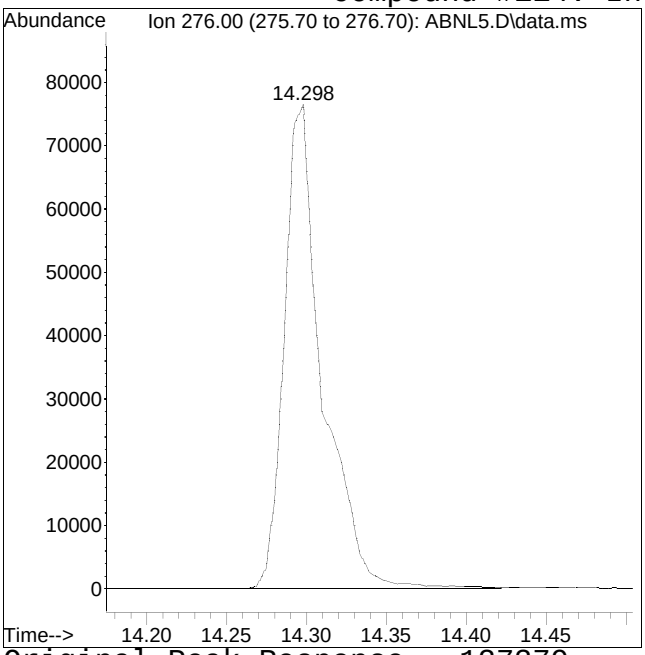
Original Peak Response = 112721 Manual Peak Response = 107892 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

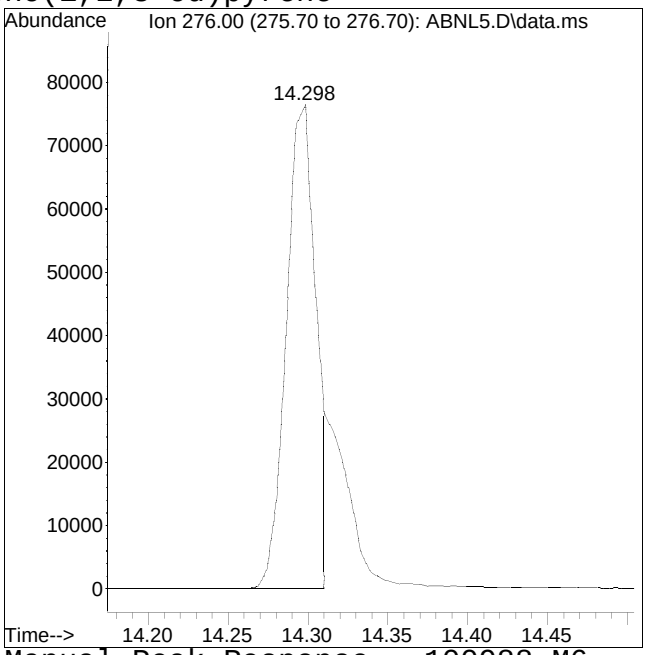
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL5.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 9:50 pm Instrument : SV112
Sample : IL6,32,,ABNL2.5 Lot# 10782Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 127379



Manual Peak Response = 100988 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21971	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 103.32%		
35) IS1_Naphthalene-d8	6.040	136	81871	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 100.20%		
63) IS1_Acenaphthene-d10	7.746	164	51003	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 103.69%		
88) IS1_Phenanthrene-d10	9.175	188	114527	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 110.27%		
104) IS1_Chrysene-d12	11.822	240	118727	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 106.74%		
113) IS1_Perylene-d12	13.298	264	135825	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 103.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	5831	1.011 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.55%		
7) Phenol-d6	4.475	99	7170	0.962 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.10%		
19) Nitrobenzene-d5	5.346	82	6892	0.970 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 97.00%		
46) 2-Fluorobiphenyl	7.105	172	19055	1.029 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.90%		
79) 2,4,6-Tribromophenol	8.510	330	3052	1.015 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.75%		
96) 4-Terphenyl-d14	10.757	244	30038	1.020 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 102.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.170	74	3686	1.021 ug/ml#	93
3) Pyridine	2.223	79	5843	1.020 ug/ml	86
5) Aniline	4.487	93	10129	1.018 ug/ml#	57
6) 2-Chlorophenol	4.599	128	6816	0.992 ug/ml	91
8) Phenol	4.487	94	8446	0.975 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	6320	0.986 ug/ml	96
10) 1,3-Dichlorobenzene	4.752	146	8338	1.006 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	8437	0.975 ug/ml	95
12) 1,2-Dichlorobenzene	4.969	146	7964	0.983 ug/ml	96
13) Benzyl alcohol	4.952	79	5260	1.014 ug/ml	97
14) Bis(2-chloroisopropyl)...	5.093	45	7818	0.965 ug/ml#	54

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	5788	0.997	ug/ml	97
16) Hexachloroethane	5.299	117	3236	1.056	ug/ml#	68
17) n-Nitrosodi-n-propylamine	5.216	70	4669	0.982	ug/ml#	86
18) 3-Methylphenol/4-Methy...	5.234	108	6209	0.983	ug/ml	97
20) Nitrobenzene	5.364	77	6860	0.969	ug/ml	97
21) Isophorone	5.599	82	12488	0.977	ug/ml	98
22) 2-Nitrophenol	5.675	139	2906	0.921	ug/ml	96
23) 2,4-Dimethylphenol	5.746	107	6147	1.016	ug/ml	98
24) Bis(2-chloroethoxy)met...	5.834	93	8312	0.966	ug/ml	98
25) 2,4-Dichlorophenol	5.916	162	6110	0.965	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	8116	1.012	ug/ml#	95
36) Naphthalene	6.058	128	22245	1.036	ug/ml	98
37) Benzoic Acid	5.799	105	1481	0.516	ug/ml#	76
38) 4-Chloroaniline	6.122	65	2368	0.982	ug/ml	83
39) Hexachlorobutadiene	6.211	225	5202	1.034	ug/ml	100
40) p-Chloro-m-cresol	6.616	107	5573	0.983	ug/ml	94
41) 2-Methylnaphthalene	6.740	142	15181	1.040	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	4843	0.965	ug/ml	93
43) Hexachlorocyclopentadiene	6.910	237	5175	1.008	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	5165	0.984	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	5154M3	0.960	ug/ml	
47) 2-Chloronaphthalene	7.205	162	15791	1.017	ug/ml	93
48) 2-Nitroaniline	7.310	138	3812	0.929	ug/ml	96
49) 1,4-Dinitrobenzene	7.440	168	1908	0.948	ug/ml	93
50) 1,3-Dinitrobenzene	7.516	168	2180	0.934	ug/ml	97
51) Dimethyl phthalate	7.510	163	19090	1.011	ug/ml	100
52) Acenaphthylene	7.605	152	22822	0.996	ug/ml	98
53) 2,6-Dinitrotoluene	7.552	165	3378	0.956	ug/ml	93
54) 1,2-Dinitrobenzene	7.599	168	1385	1.022	ug/ml#	1
64) 3-Nitroaniline	7.710	138	3743	0.982	ug/ml#	91
65) Acenaphthene	7.775	154	14322	1.008	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	1211	0.928	ug/ml	90
67) Dibenzofuran	7.946	168	24795	1.058	ug/ml	90
68) 2,4-Dinitrotoluene	7.940	165	4660	0.953	ug/ml	96
69) 4-Nitrophenol	7.310	65	3499	0.948	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	4594	0.957	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	8.075	232	4589	0.973	ug/ml	96
72) Diethyl phthalate	8.199	149	19050	1.005	ug/ml	95
73) Fluorene	8.275	166	18140	0.994	ug/ml	95
74) 4-Chlorophenyl phenyl ...	8.293	204	10082	1.014	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	4142	1.033	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	2313	0.936	ug/ml#	72
77)	NDPA/DPA	8.405	169	16167	1.030	ug/ml	96
78)	Azobenzene	8.440	77	17038	1.024	ug/ml	92
80)	4-Bromophenyl phenyl e...	8.763	248	6271	0.985	ug/ml#	81
81)	Hexachlorobenzene	8.816	284	8157	1.019	ug/ml#	86
82)	Pentachlorophenol	9.005	266	3465	0.957	ug/ml	98
89)	Phenanthrene	9.199	178	31199	1.030	ug/ml	98
90)	Anthracene	9.246	178	29870	1.008	ug/ml	99
91)	Carbazole	9.410	167	27149	1.000	ug/ml	98
92)	Di-n-butylphthalate	9.793	149	30017	1.014	ug/ml	99
93)	Fluoranthene	10.351	202	35822M3	1.019	ug/ml	
94)	Benzidine	10.504	184	18506	0.957	ug/ml#	96
95)	Pyrene	10.569	202	37816	1.015	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	11835	0.903	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	38609	1.013	ug/ml	100
106)	3,3'-Dichlorobenzidine	11.810	252	13078	0.942	ug/ml#	96
107)	Chrysene	11.851	228	39448	1.055	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.916	149	17903	0.944	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	26346	0.907	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	41187	1.053	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	35681M3	1.000	ug/ml	
112)	Benzo(a)pyrene	13.240	252	34861	1.022	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	35897M6	0.945	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	37295	1.028	ug/ml#	92
116)	Benzo(ghi)perylene	14.557	276	36653	1.002	ug/ml#	92

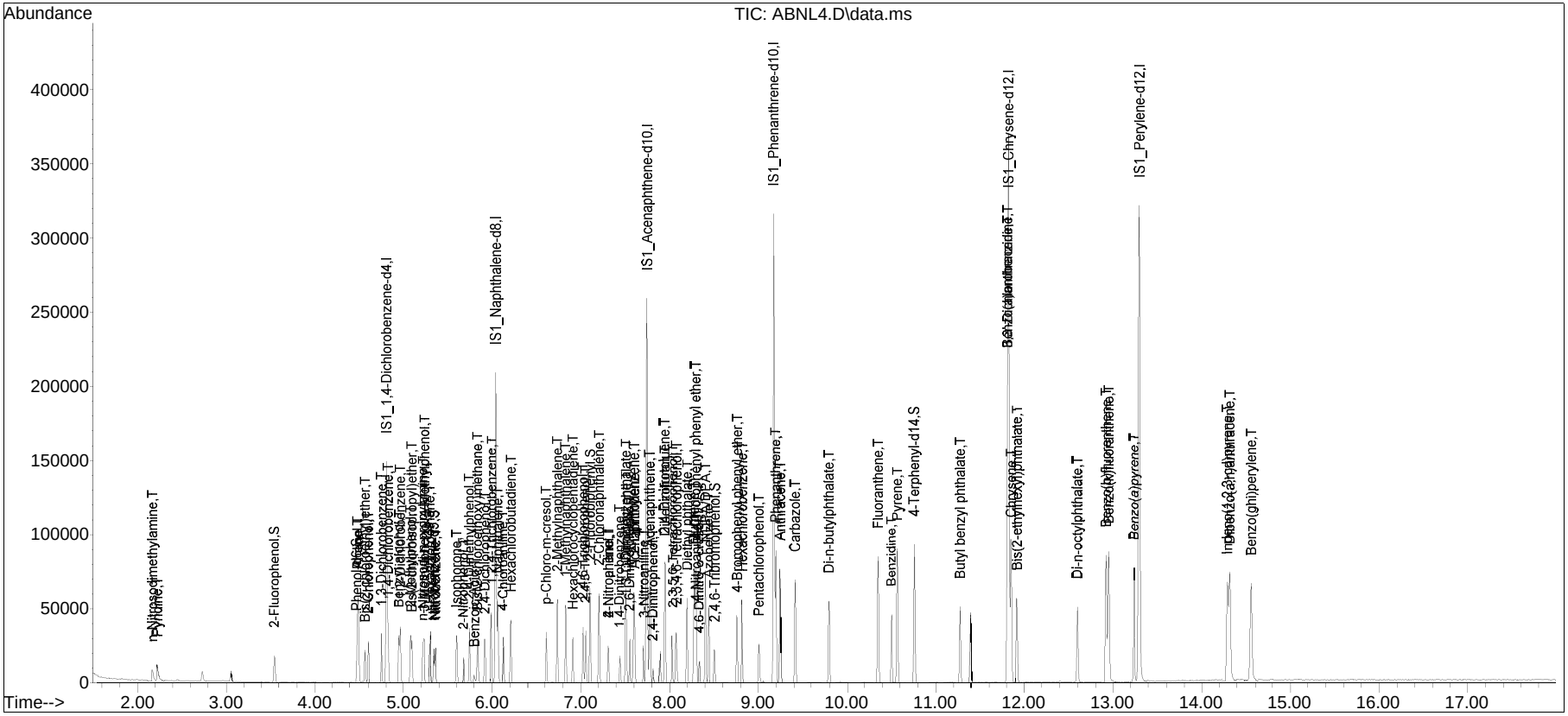
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL4.D
Acq On : 25 Jun 2024 10:14 pm
Operator : SV112:mrg
Sample : IL7,32,,ABNL1 Lot# 10783
Misc : WG1939943
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 14:01:23 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

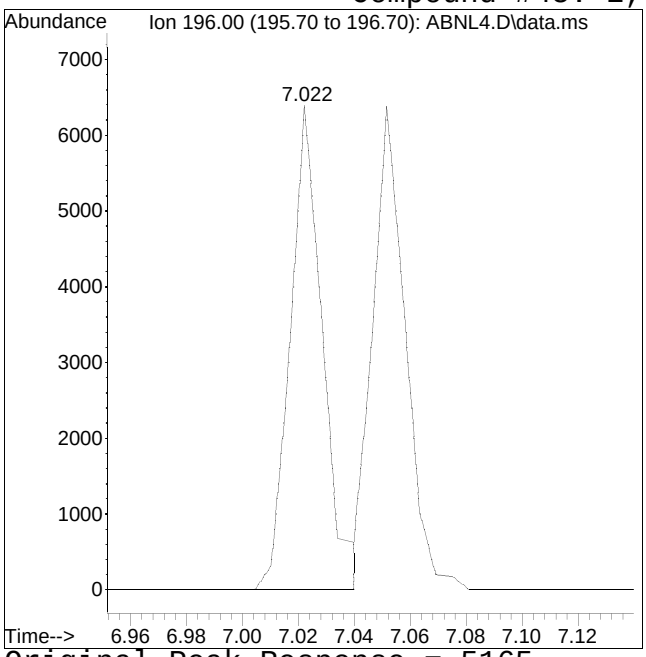
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

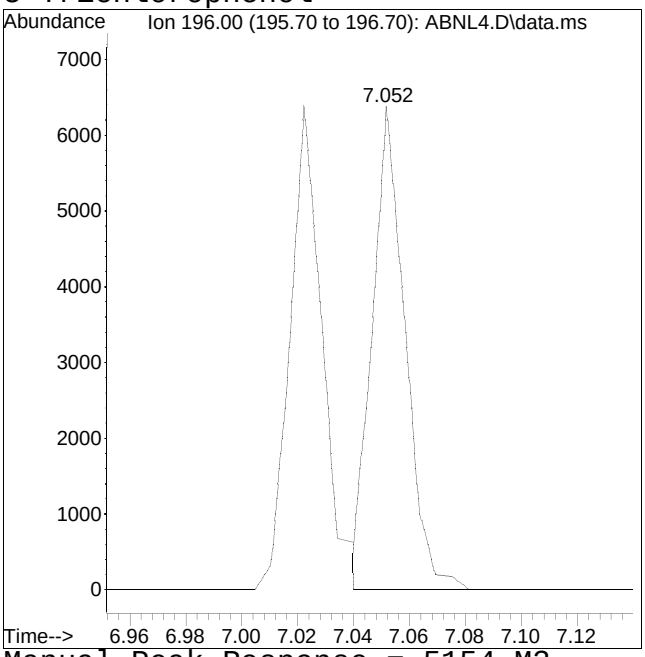


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





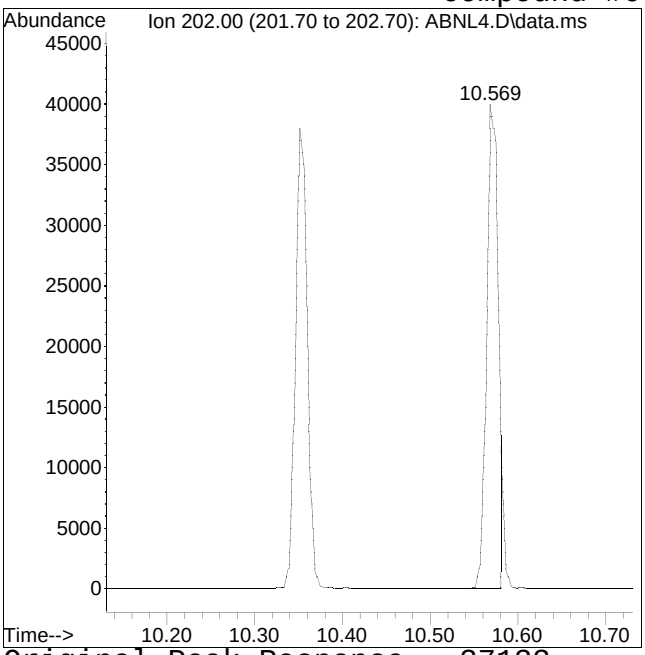
Original Peak Response = 5165 Manual Peak Response = 5154 M3

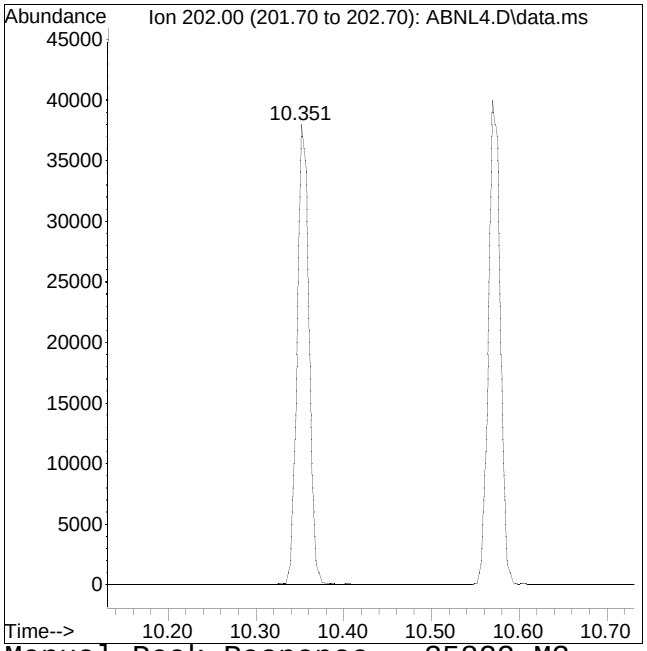
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



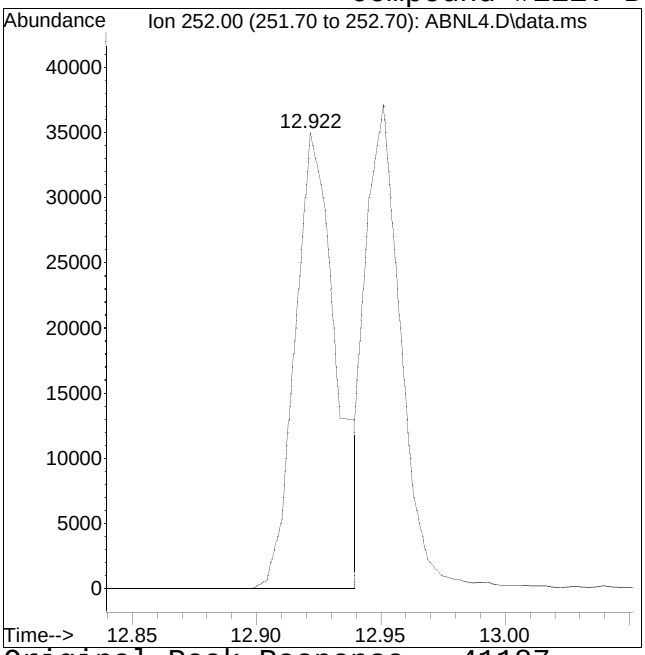


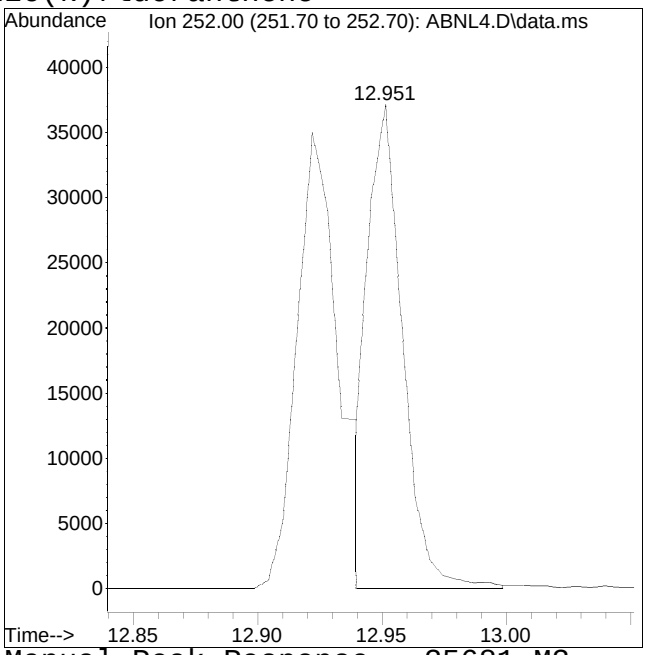
Original Peak Response = 37133 Manual Peak Response = 35822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



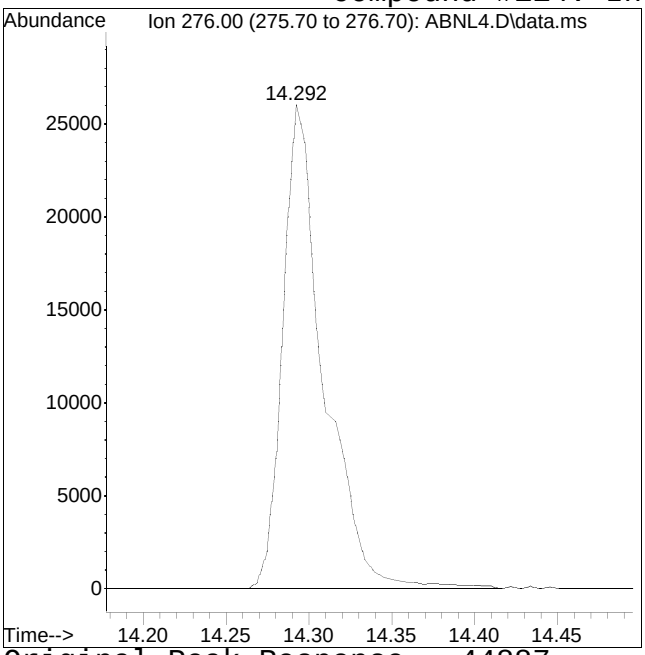


Original Peak Response = 41187 Manual Peak Response = 35681 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

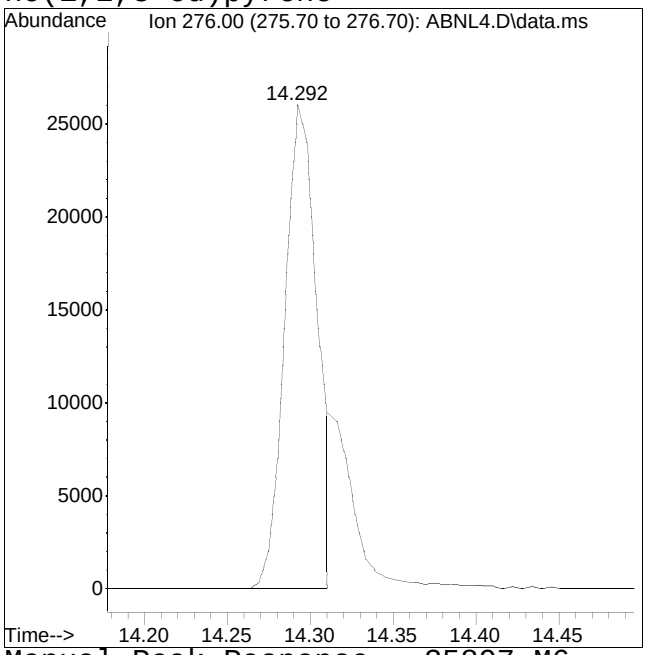
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL4.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:14 pm Instrument : SV112
Sample : IL7,32,,ABNL1 Lot# 10783 Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 44887



Manual Peak Response = 35897 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	21531	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 101.25%		
35) IS1_Naphthalene-d8	6.040	136	80456	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.47%		
63) IS1_Acenaphthene-d10	7.746	164	49615	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 100.87%		
88) IS1_Phenanthrene-d10	9.175	188	113431	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 109.22%		
104) IS1_Chrysene-d12	11.822	240	119417	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 107.36%		
113) IS1_Perylene-d12	13.298	264	139944	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 106.51%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	3059	0.541 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.05%		
7) Phenol-d6	4.475	99	3674	0.503 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.15%		
19) Nitrobenzene-d5	5.346	82	3456	0.496 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 49.60%		
46) 2-Fluorobiphenyl	7.104	172	9640	0.530 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 53.00%		
79) 2,4,6-Tribromophenol	8.510	330	1570	0.537 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 26.85%		
96) 4-Terphenyl-d14	10.757	244	15760	0.540 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.00%		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.169	74	1798	0.508 ug/ml#	76
3) Pyridine	2.228	79	2950	0.526 ug/ml	87
5) Aniline	4.487	93	4787	0.491 ug/ml#	52
6) 2-Chlorophenol	4.599	128	3481	0.517 ug/ml	93
8) Phenol	4.487	94	4195	0.494 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	3281	0.522 ug/ml	97
10) 1,3-Dichlorobenzene	4.752	146	4139	0.510 ug/ml	98
11) 1,4-Dichlorobenzene	4.822	146	4559	0.538 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	4291M3	0.540 ug/ml	
13) Benzyl alcohol	4.952	79	2429	0.478 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	4116	0.519 ug/ml#	55

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.081	108	2845	0.500	ug/ml	99
16) Hexachloroethane	5.299	117	1452	0.484	ug/ml#	51
17) n-Nitrosodi-n-propylamine	5.222	70	2283	0.490	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	3088	0.499	ug/ml#	90
20) Nitrobenzene	5.363	77	3379	0.487	ug/ml#	88
21) Isophorone	5.605	82	6143	0.490	ug/ml#	91
22) 2-Nitrophenol	5.675	139	1462	0.473	ug/ml#	76
23) 2,4-Dimethylphenol	5.746	107	3160	0.533	ug/ml	96
24) Bis(2-chloroethoxy)met...	5.834	93	4317	0.512	ug/ml#	91
25) 2,4-Dichlorophenol	5.916	162	2886	0.465	ug/ml	90
26) 1,2,4-Trichlorobenzene	5.993	180	3902	0.497	ug/ml	92
36) Naphthalene	6.057	128	11582	0.549	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	1170	0.494	ug/ml	78
39) Hexachlorobutadiene	6.210	225	2769	0.560	ug/ml	98
40) p-Chloro-m-cresol	6.616	107	2661	0.478	ug/ml	95
41) 2-Methylnaphthalene	6.740	142	7593	0.529	ug/ml	99
42) 1-Methylnaphthalene	6.828	115	2598	0.527	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	2747	0.544	ug/ml#	88
44) 2,4,6-Trichlorophenol	7.022	196	2459	0.477	ug/ml	98
45) 2,4,5-Trichlorophenol	7.052	196	2732M3	0.518	ug/ml	
47) 2-Chloronaphthalene	7.204	162	7927	0.520	ug/ml	91
48) 2-Nitroaniline	7.310	138	2018	0.501	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	901	0.456	ug/ml	89
50) 1,3-Dinitrobenzene	7.516	168	1057	0.461	ug/ml	96
51) Dimethyl phthalate	7.510	163	10143	0.547	ug/ml#	97
52) Acenaphthylene	7.604	152	12026	0.534	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	1638	0.472	ug/ml	96
54) 1,2-Dinitrobenzene	7.599	168	626	0.470	ug/ml#	1
64) 3-Nitroaniline	7.710	138	1781	0.481	ug/ml#	87
65) Acenaphthene	7.775	154	7604	0.550	ug/ml	97
66) 2,4-Dinitrophenol	7.816	184	490M2	0.607	ug/ml	
67) Dibenzofuran	7.946	168	12935	0.568	ug/ml	92
68) 2,4-Dinitrotoluene	7.940	165	2185	0.460	ug/ml	100
69) 4-Nitrophenol	7.310	65	1759	0.490	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	2226	0.477	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	2299	0.501	ug/ml	98
72) Diethyl phthalate	8.199	149	9919	0.538	ug/ml	96
73) Fluorene	8.275	166	9598	0.541	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	5075	0.525	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	1828	0.469	ug/ml	98
76)	4,6-Dinitro-o-cresol	8.334	198	998	0.544	ug/ml#	1
77)	NDPA/DPA	8.404	169	8041	0.527	ug/ml	94
78)	Azobenzene	8.440	77	8517	0.526	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.763	248	3206	0.517	ug/ml#	80
81)	Hexachlorobenzene	8.816	284	4220	0.542	ug/ml#	82
82)	Pentachlorophenol	9.010	266	1607	0.456	ug/ml	98
89)	Phenanthrene	9.198	178	16630	0.554	ug/ml	99
90)	Anthracene	9.246	178	15416	0.525	ug/ml	99
91)	Carbazole	9.410	167	14347	0.534	ug/ml	99
92)	Di-n-butylphthalate	9.798	149	15004	0.512	ug/ml	100
93)	Fluoranthene	10.357	202	18807M3	0.540	ug/ml	
94)	Benzidine	10.504	184	9089	0.475	ug/ml#	97
95)	Pyrene	10.575	202	19930	0.540	ug/ml	98
97)	Butyl benzyl phthalate	11.281	149	6152	0.474	ug/ml#	93
105)	Benzo(a)anthracene	11.810	228	20536	0.536	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	6714	0.481	ug/ml	97
107)	Chrysene	11.851	228	20927	0.557	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	11.922	149	8915	0.468	ug/ml#	97
109)	Di-n-octylphthalate	12.598	149	13695	0.469	ug/ml#	97
110)	Benzo(b)fluoranthene	12.922	252	21894	0.557	ug/ml#	92
111)	Benzo(k)fluoranthene	12.951	252	19443M3	0.542	ug/ml	
112)	Benzo(a)pyrene	13.239	252	18592	0.542	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.292	276	19562M6	0.500	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	20134	0.539	ug/ml#	90
116)	Benzo(ghi)perylene	14.557	276	20038	0.531	ug/ml#	93

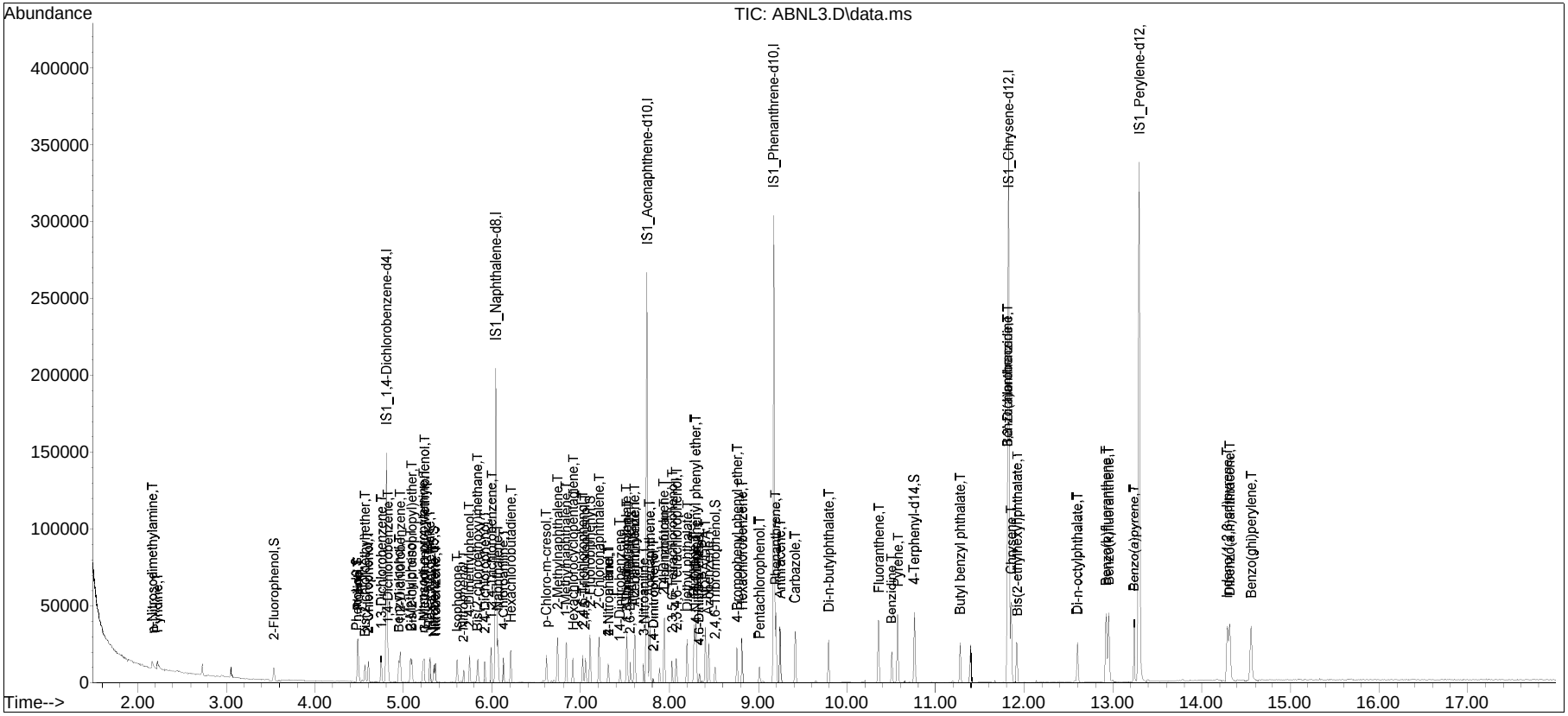
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL3.D
Acq On : 25 Jun 2024 10:37 pm
Operator : SV112:mrg
Sample : IL8,32,,ABNL0.5 Lot# 10784
Misc : WG1939943
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 14:01:14 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

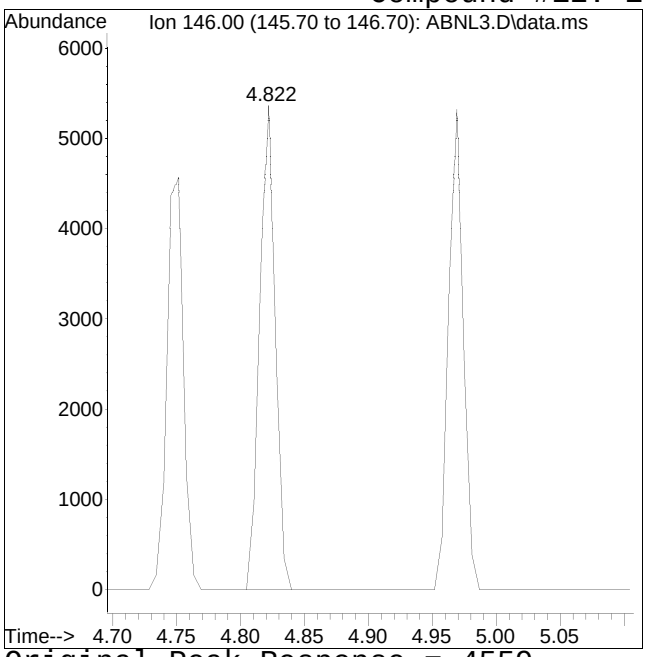
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



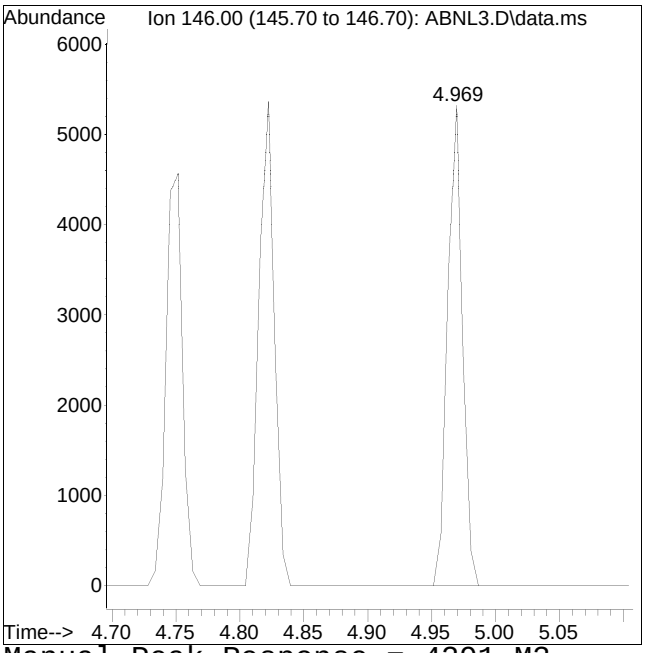
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #12: 1,2-Dichlorobenzene



Original Peak Response = 4559



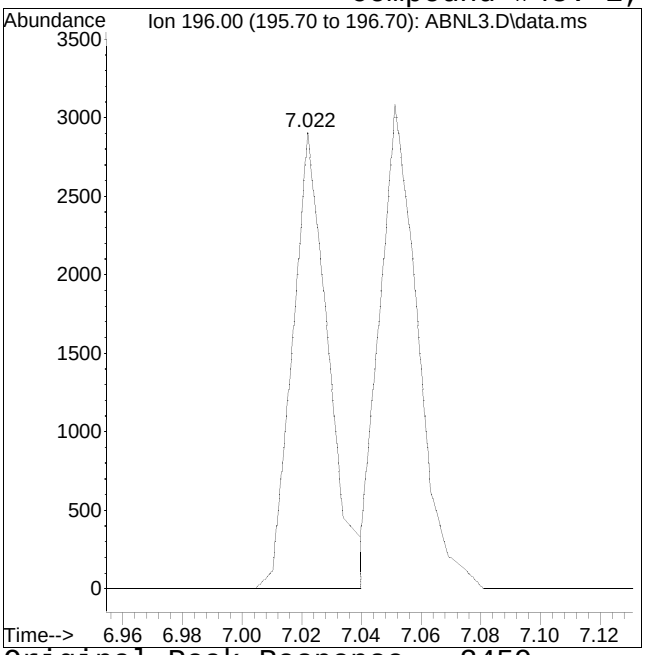
Manual Peak Response = 4291 M3

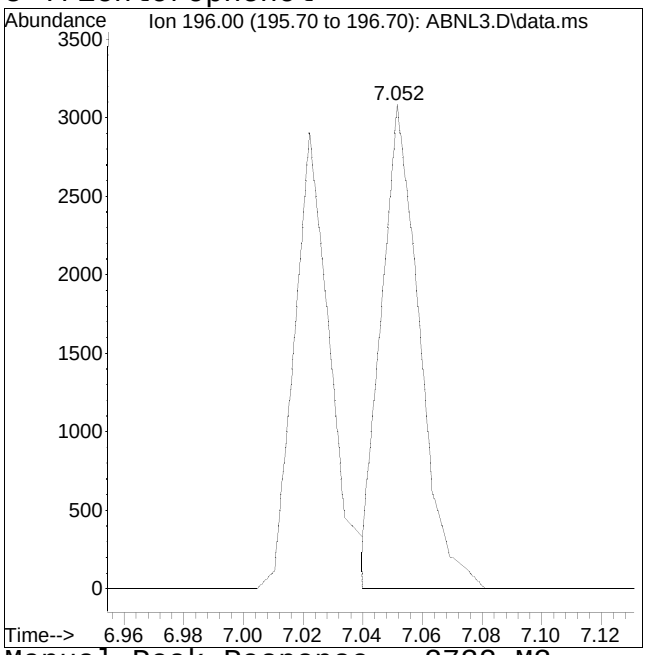
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #45: 2,4,5-Trichlorophenol





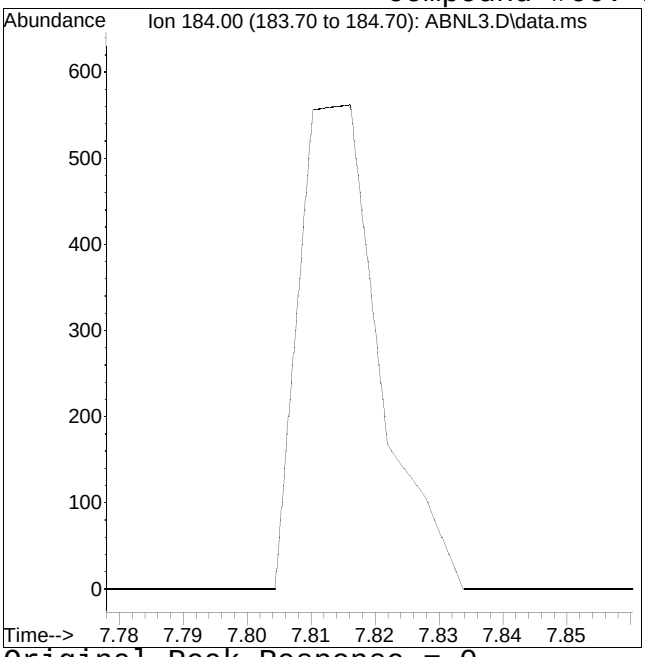
Original Peak Response = 2459 Manual Peak Response = 2732 M3

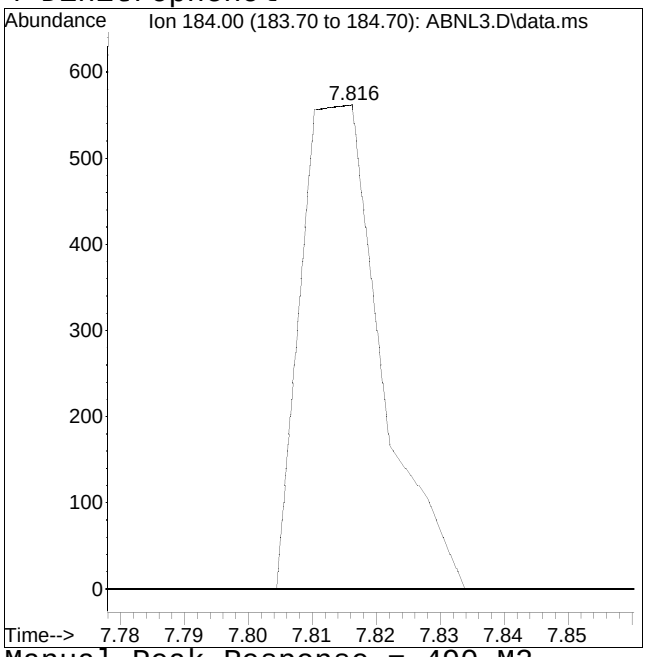
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #66: 2,4-Dinitrophenol



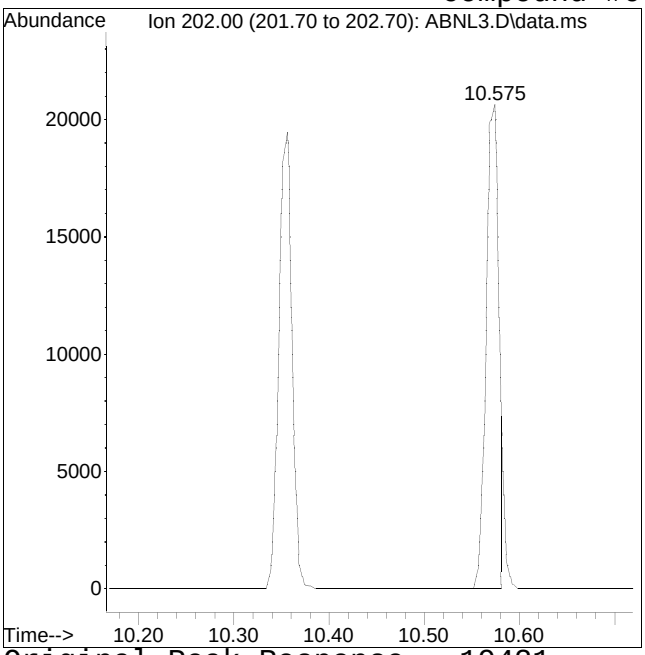


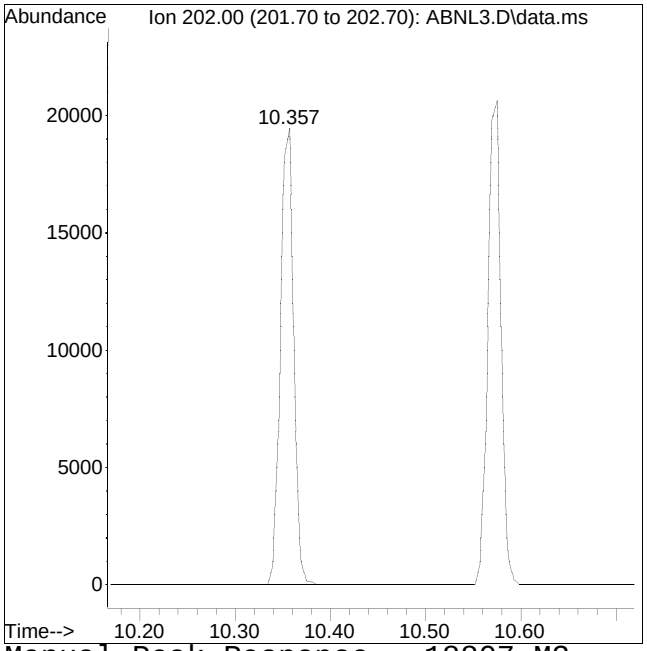
Original Peak Response = 0 Manual Peak Response = 490 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #93: Fluoranthene



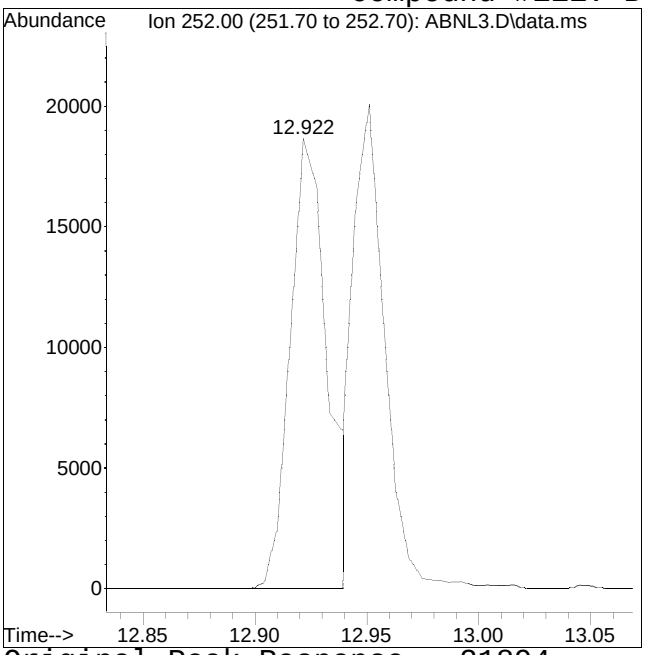


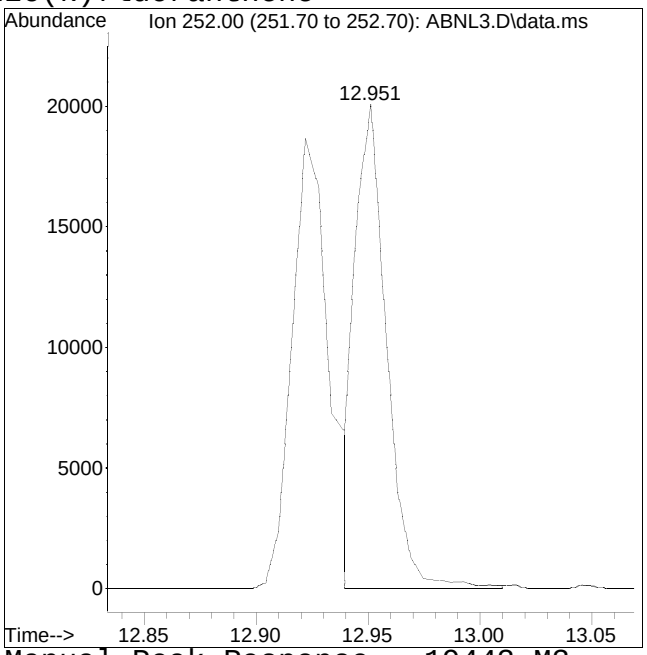
Original Peak Response = 19421 Manual Peak Response = 18807 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #111: Benzo(k)fluoranthene



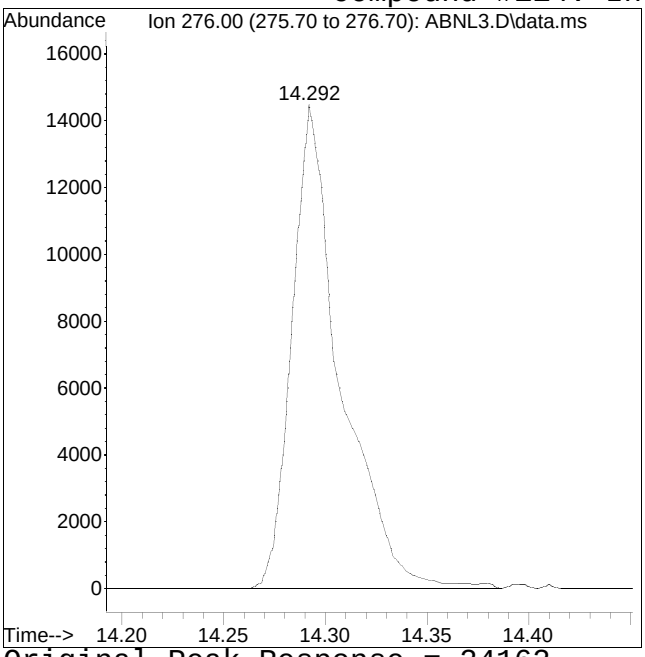


Original Peak Response = 21894 Manual Peak Response = 19443 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

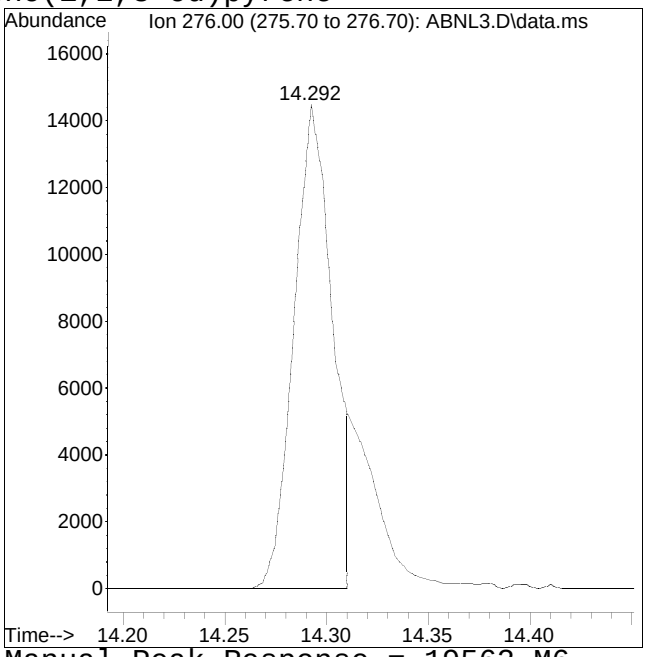
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL3.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 10:37 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 10784Quant Date : 6/30/2024 2:02 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 24162



Manual Peak Response = 19562 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.804	152	19198	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 90.28%		
35) IS1_Naphthalene-d8	6.040	136	71874	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 87.97%		
63) IS1_Acenaphthene-d10	7.745	164	44637	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 90.75%		
88) IS1_Phenanthrene-d10	9.175	188	102635	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 98.82%		
104) IS1_Chrysene-d12	11.822	240	108008	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 97.11%		
113) IS1_Perylene-d12	13.298	264	123684	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 94.13%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	1082	0.215 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 10.75%#		
7) Phenol-d6	4.475	99	1434	0.220 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 11.00%#		
19) Nitrobenzene-d5	5.346	82	1409	0.227 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 22.70%#		
46) 2-Fluorobiphenyl	7.104	172	4068	0.250 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 25.00%#		
79) 2,4,6-Tribromophenol	8.504	330	239M2	0.091 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.55%#		
96) 4-Terphenyl-d14	10.757	244	6360	0.241 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 24.10%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.175	74	656	0.208 ug/ml#	64
3) Pyridine	2.240	79	965	0.193 ug/ml	89
5) Aniline	4.487	93	2027	0.233 ug/ml#	56
6) 2-Chlorophenol	4.599	128	1348	0.225 ug/ml#	72
8) Phenol	4.487	94	1714	0.226 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.563	93	1270	0.227 ug/ml#	82
10) 1,3-Dichlorobenzene	4.752	146	1712	0.236 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	1968	0.260 ug/ml	96
12) 1,2-Dichlorobenzene	4.969	146	1608	0.227 ug/ml	88
13) Benzyl alcohol	4.952	79	999	0.220 ug/ml	98

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	1733	0.245	ug/ml#	45
15) 2-Methylphenol	5.081	108	1175	0.232	ug/ml#	86
16) Hexachloroethane	5.299	117	641	0.239	ug/ml#	16
17) n-Nitrosodi-n-propylamine	5.222	70	956	0.230	ug/ml#	62
18) 3-Methylphenol/4-Methy...	5.234	108	1267	0.229	ug/ml#	89
20) Nitrobenzene	5.363	77	1400	0.226	ug/ml#	38
21) Isophorone	5.604	82	2427	0.217	ug/ml#	67
22) 2-Nitrophenol	5.675	139	546	0.198	ug/ml#	33
23) 2,4-Dimethylphenol	5.746	107	1160	0.219	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	1855	0.247	ug/ml#	88
25) 2,4-Dichlorophenol	5.916	162	1210	0.219	ug/ml#	72
26) 1,2,4-Trichlorobenzene	5.993	180	1781	0.254	ug/ml#	81
36) Naphthalene	6.057	128	4649	0.247	ug/ml	99
37) Benzoic Acid	0.000		0	N.D.		
38) 4-Chloroaniline	6.128	65	568	0.268	ug/ml	97
39) Hexachlorobutadiene	6.210	225	1009	0.228	ug/ml	92
40) p-Chloro-m-cresol	6.616	107	1112	0.224	ug/ml#	87
41) 2-Methylnaphthalene	6.740	142	3159	0.247	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	1048	0.238	ug/ml	99
43) Hexachlorocyclopentadiene	6.910	237	1022	0.227	ug/ml#	93
44) 2,4,6-Trichlorophenol	7.022	196	998	0.217	ug/ml#	85
45) 2,4,5-Trichlorophenol	7.051	196	965M3	0.205	ug/ml	
47) 2-Chloronaphthalene	7.204	162	3300	0.242	ug/ml	93
48) 2-Nitroaniline	7.310	138	717	0.199	ug/ml#	65
49) 1,4-Dinitrobenzene	7.440	168	311M2	0.176	ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	394M2	0.192	ug/ml	
51) Dimethyl phthalate	7.510	163	3960	0.239	ug/ml#	77
52) Acenaphthylene	7.604	152	4685	0.233	ug/ml	98
53) 2,6-Dinitrotoluene	7.551	165	619	0.200	ug/ml#	35
54) 1,2-Dinitrobenzene	7.593	168	157M3	0.132	ug/ml	
64) 3-Nitroaniline	7.710	138	661	0.198	ug/ml#	73
65) Acenaphthene	7.775	154	3104	0.250	ug/ml	97
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.945	168	5020	0.245	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	820	0.192	ug/ml#	88
69) 4-Nitrophenol	7.310	65	695	0.215	ug/ml#	5
70) 2,3,5,6-Tetrachlorophenol	8.034	232	763	0.182	ug/ml#	73
71) 2,3,4,6-Tetrachlorophenol	8.075	232	760	0.184	ug/ml#	68
72) Diethyl phthalate	8.198	149	4032	0.243	ug/ml#	83
73) Fluorene	8.275	166	3788	0.237	ug/ml#	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	2303	0.265	ug/ml#	73
75) 4-Nitroaniline	8.293	138	643	0.183	ug/ml	91
76) 4,6-Dinitro-o-cresol	8.334	198	251M2	0.319	ug/ml	
77) NDPA/DPA	8.404	169	3203	0.233	ug/ml	98
78) Azobenzene	8.440	77	3151	0.216	ug/ml#	92
80) 4-Bromophenyl phenyl e...	8.763	248	1395	0.250	ug/ml#	78
81) Hexachlorobenzene	8.816	284	1719	0.245	ug/ml#	87
82) Pentachlorophenol	9.010	266	511	0.161	ug/ml#	18
89) Phenanthrene	9.198	178	6872	0.253	ug/ml	97
90) Anthracene	9.245	178	6523	0.246	ug/ml	97
91) Carbazole	9.416	167	5745	0.236	ug/ml	98
92) Di-n-butylphthalate	9.798	149	6125	0.231	ug/ml#	94
93) Fluoranthene	10.351	202	7611M3	0.242	ug/ml	
94) Benzidine	10.504	184	3166	0.183	ug/ml#	68
95) Pyrene	10.575	202	7787	0.233	ug/ml	99
97) Butyl benzyl phthalate	11.281	149	2316	0.197	ug/ml#	91
105) Benzo(a)anthracene	11.810	228	8184	0.236	ug/ml	97
106) 3,3'-Dichlorobenzidine	11.810	252	2557	0.202	ug/ml#	90
107) Chrysene	11.851	228	8370M3	0.246	ug/ml	
108) Bis(2-ethylhexyl)phtha...	11.916	149	3547	0.206	ug/ml#	97
109) Di-n-octylphthalate	12.598	149	5186	0.196	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	8396	0.236	ug/ml#	94
111) Benzo(k)fluoranthene	12.951	252	7521M3	0.232	ug/ml	
112) Benzo(a)pyrene	13.239	252	7115	0.229	ug/ml#	91
114) Indeno(1,2,3-cd)pyrene	14.292	276	7638M6	0.221	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	7194	0.218	ug/ml#	91
116) Benzo(ghi)perylene	14.557	276	8051	0.242	ug/ml#	90

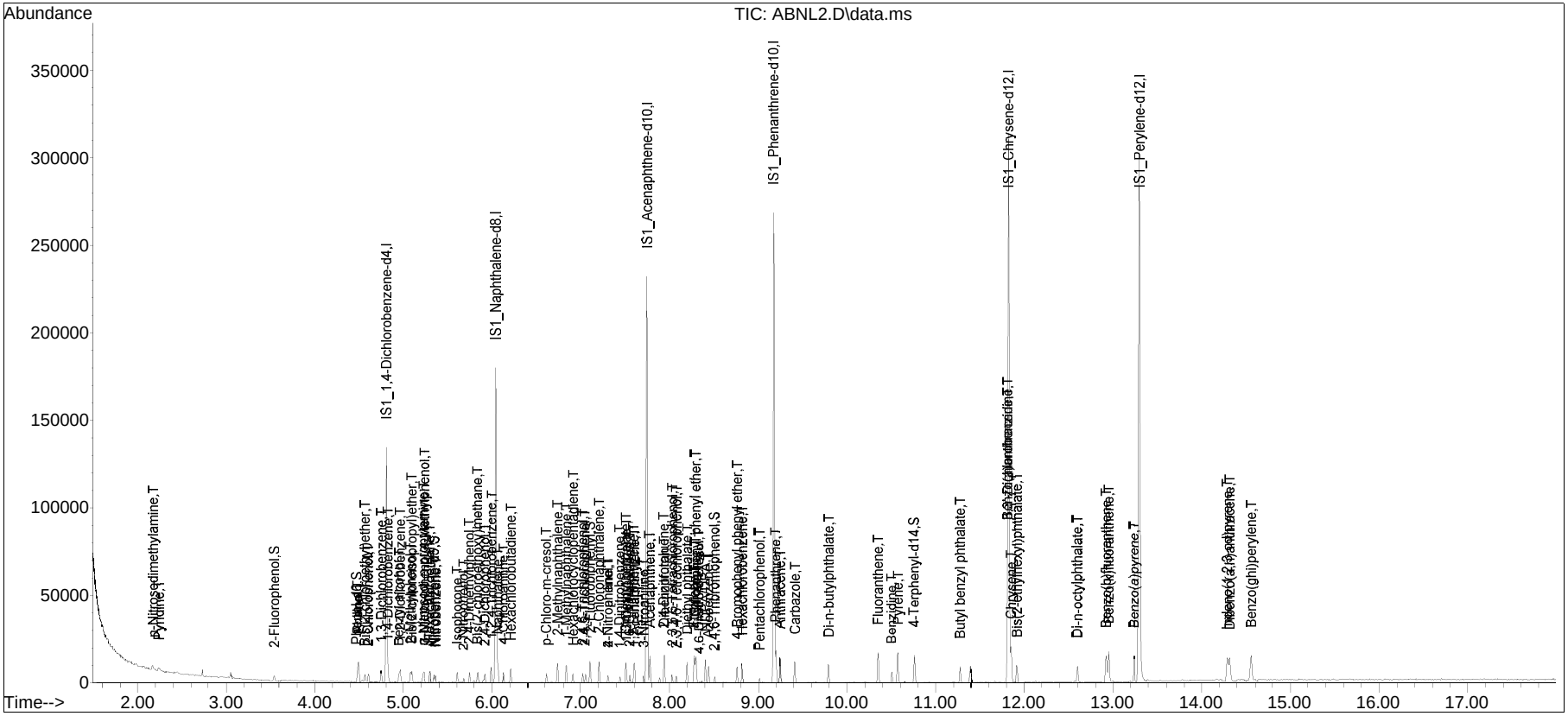
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL2.D
Acq On : 25 Jun 2024 11:00 pm
Operator : SV112:mrg
Sample : IL9,32,,ABNL0.2 Lot# 10785
Misc : WG1939943
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 14:01:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

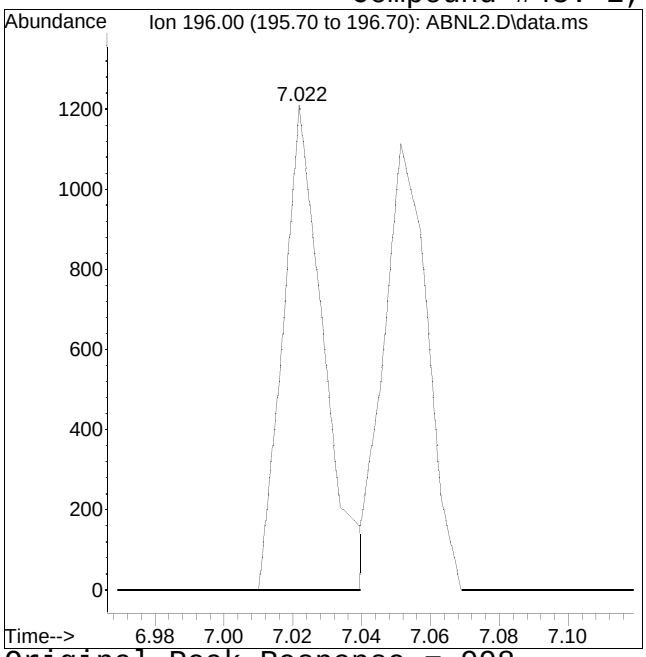
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

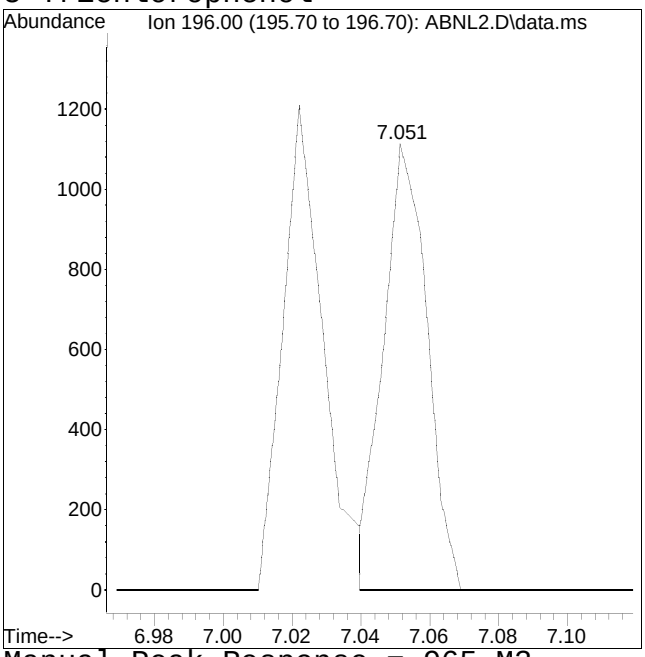


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol





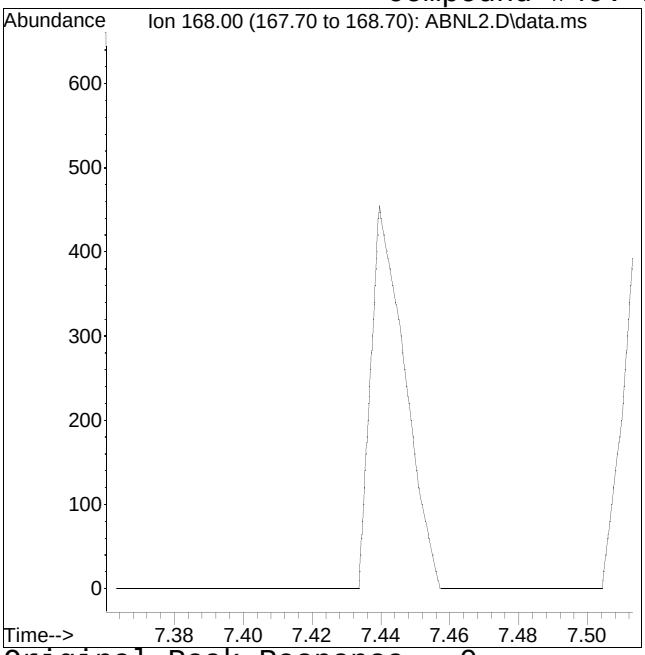
Original Peak Response = 998 Manual Peak Response = 965 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

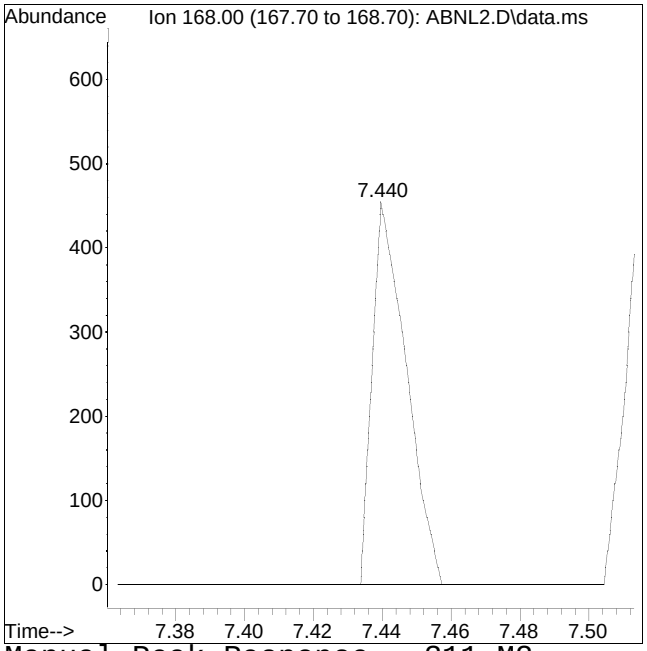
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0



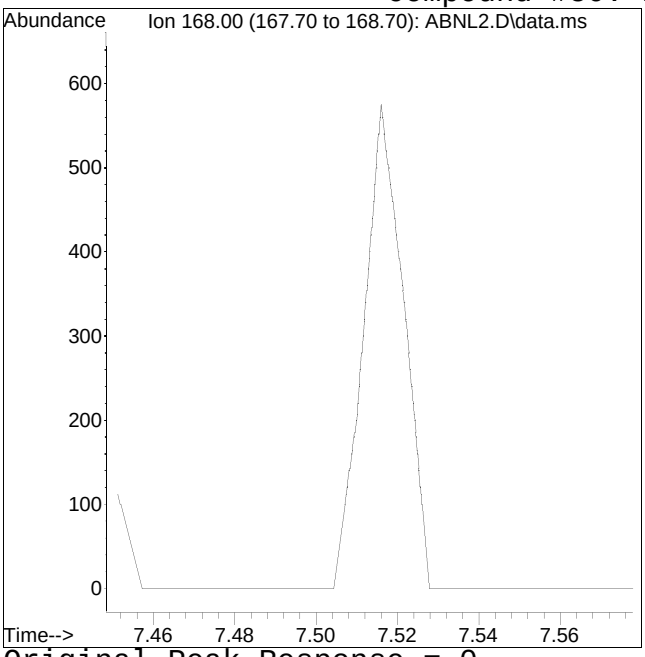
Manual Peak Response = 311 M2

M2 = Peak not found by automatic integration algorithm.

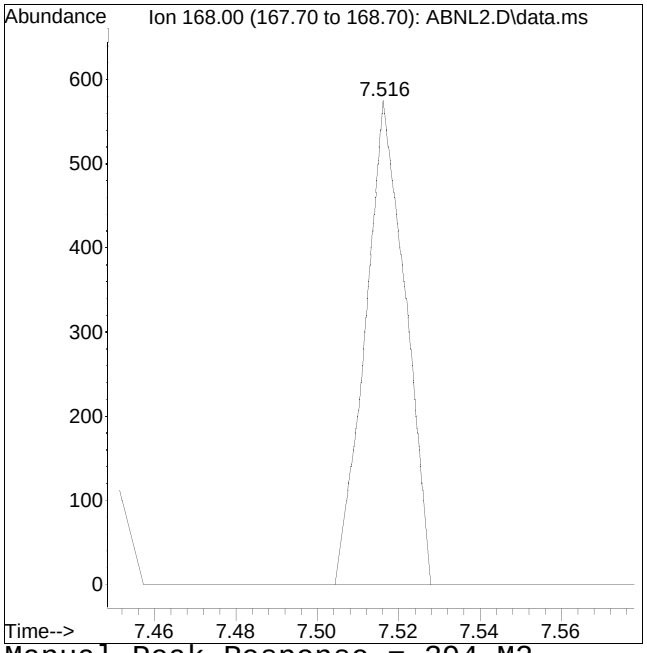
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



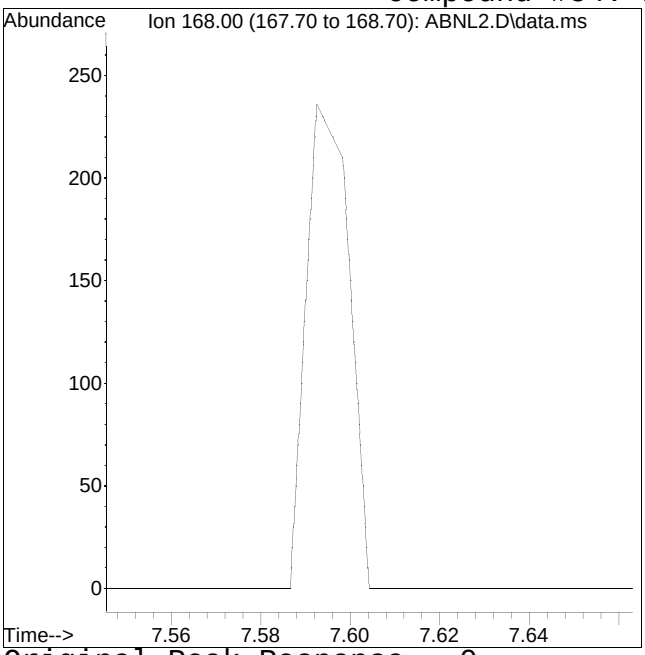
Manual Peak Response = 394 M2

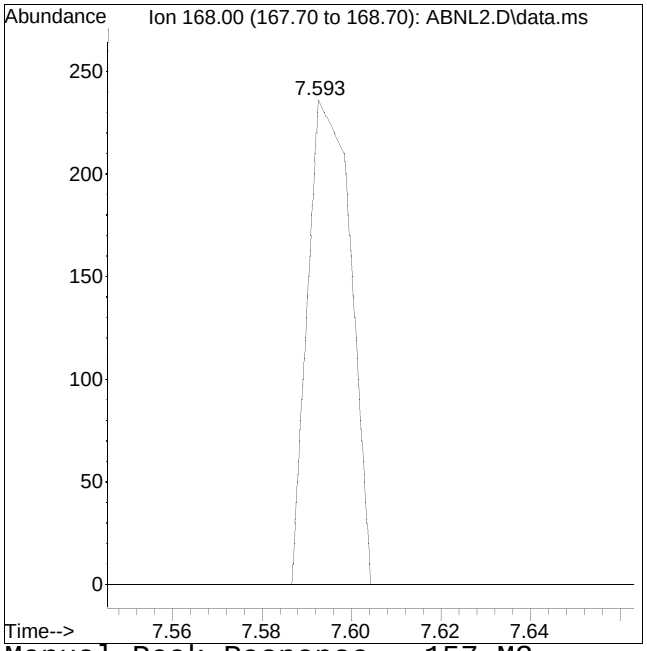
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene





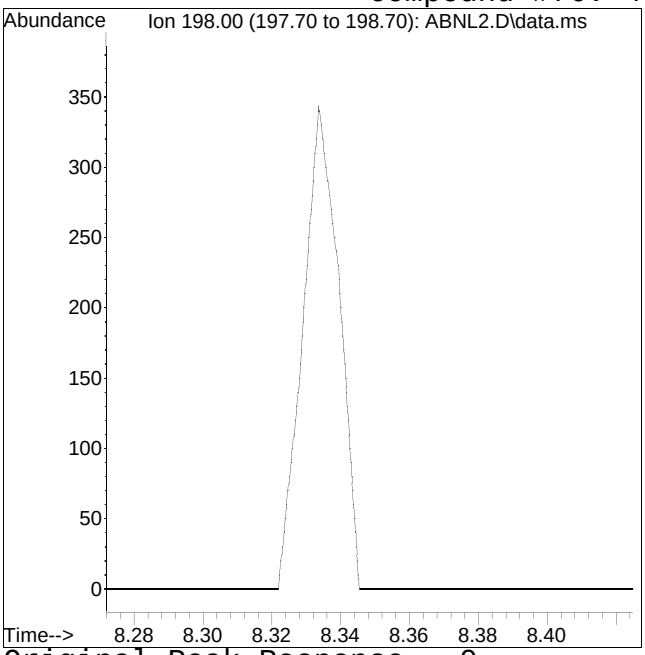
Original Peak Response = 0 Manual Peak Response = 157 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

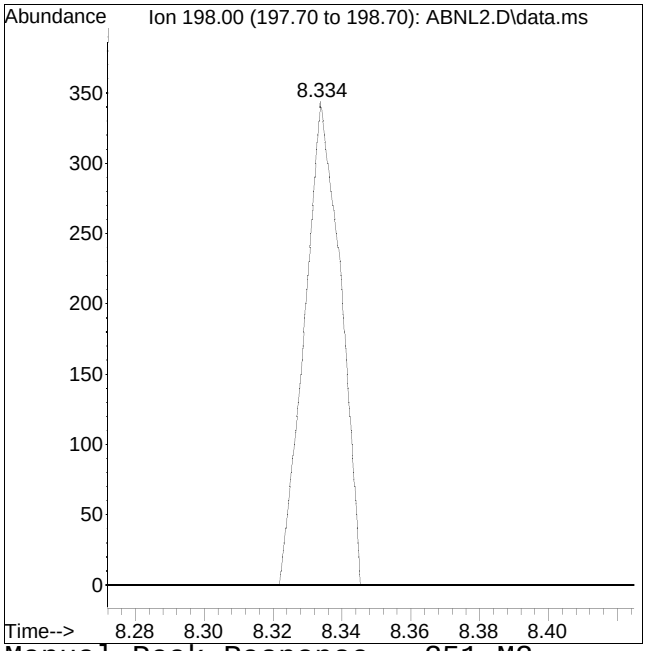
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0



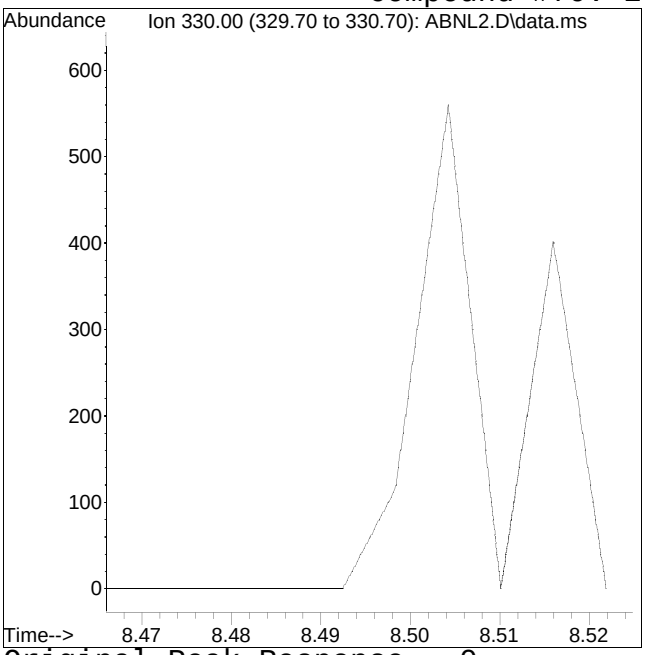
Manual Peak Response = 251 M2

M2 = Peak not found by automatic integration algorithm.

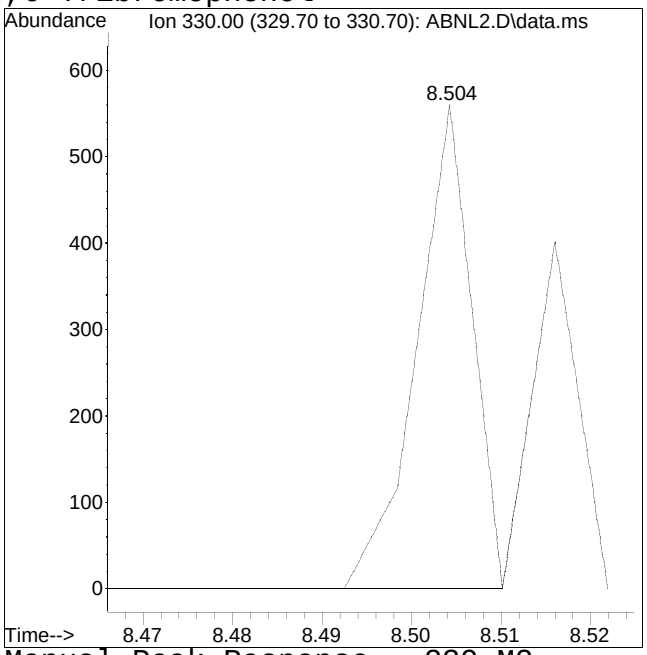
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0



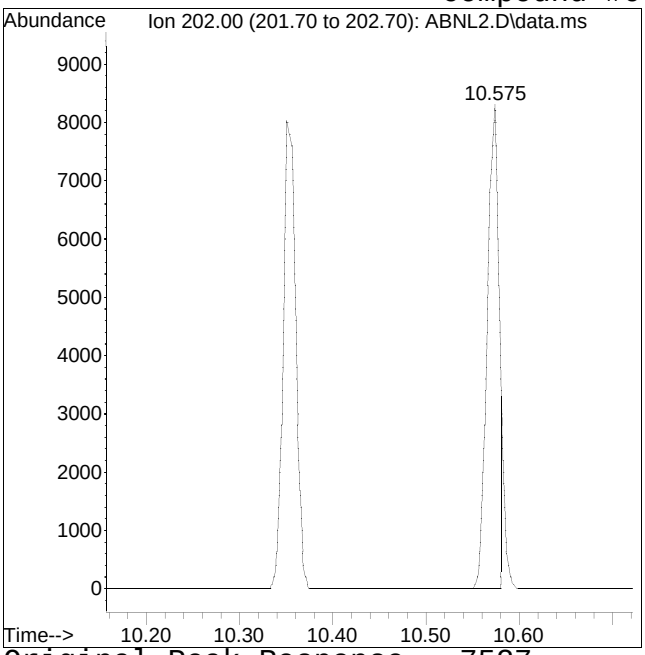
Manual Peak Response = 239 M2

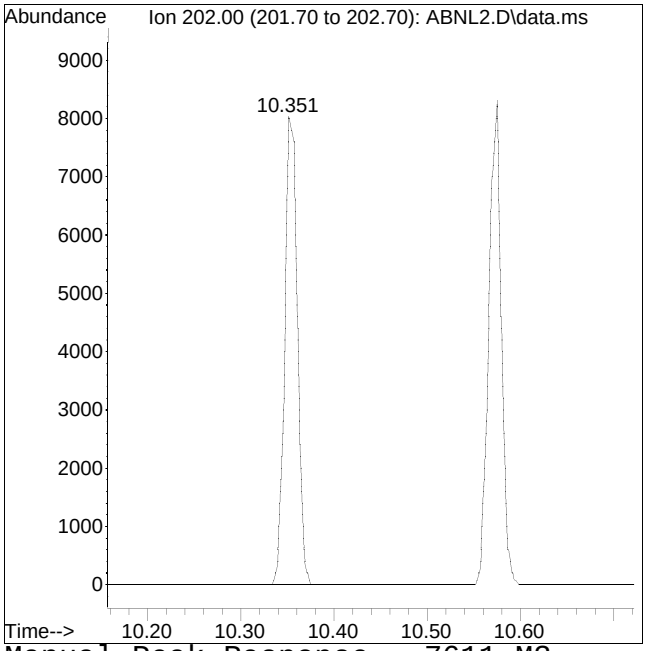
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #93: Fluoranthene



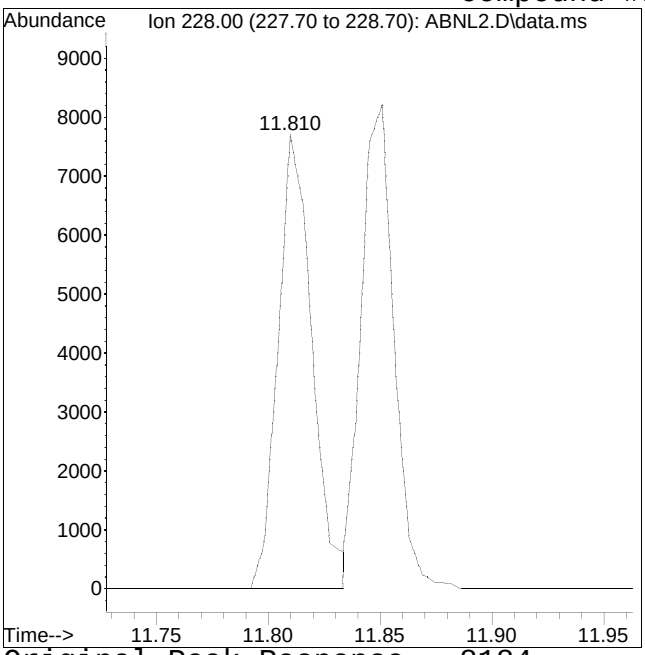


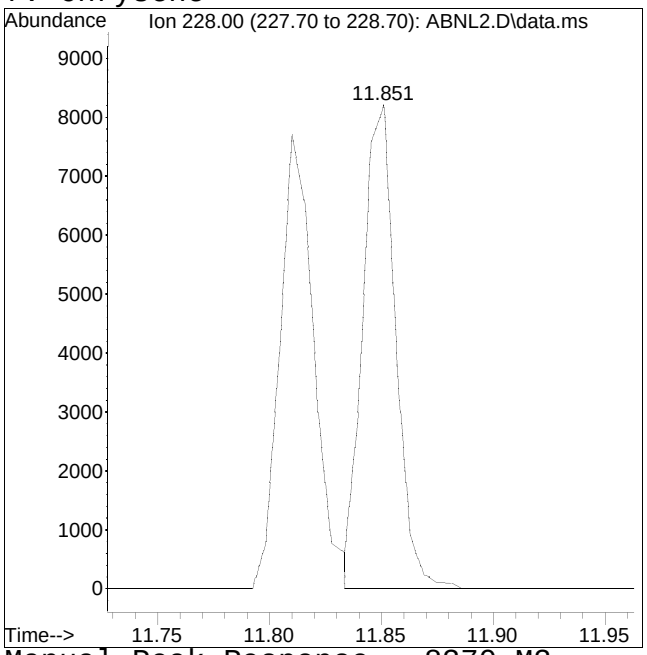
Original Peak Response = 7527 Manual Peak Response = 7611 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #107: Chrysene





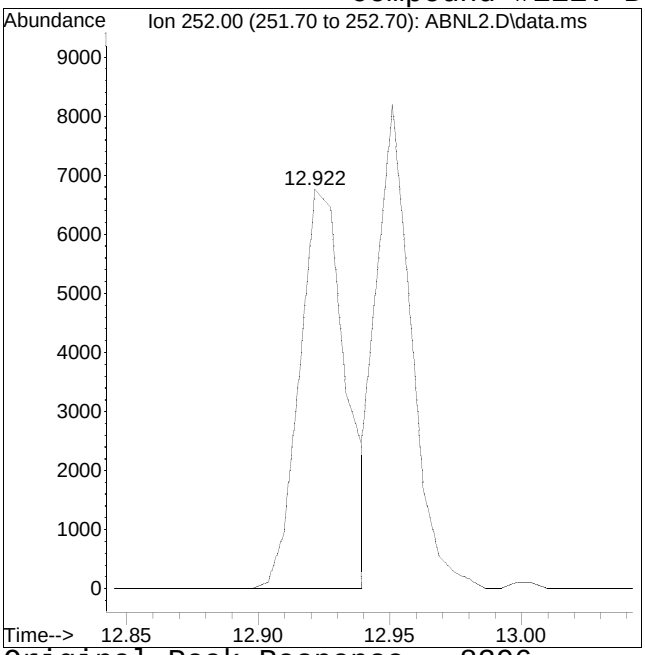
Original Peak Response = 8184 Manual Peak Response = 8370 M3

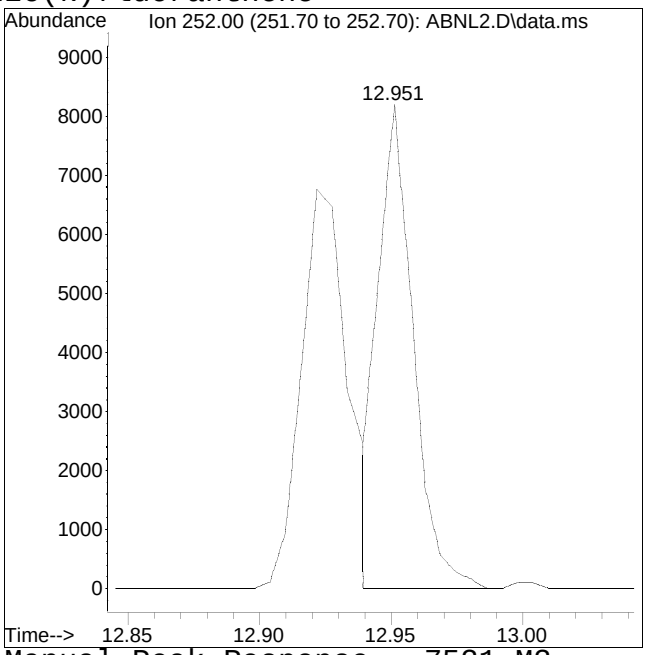
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene



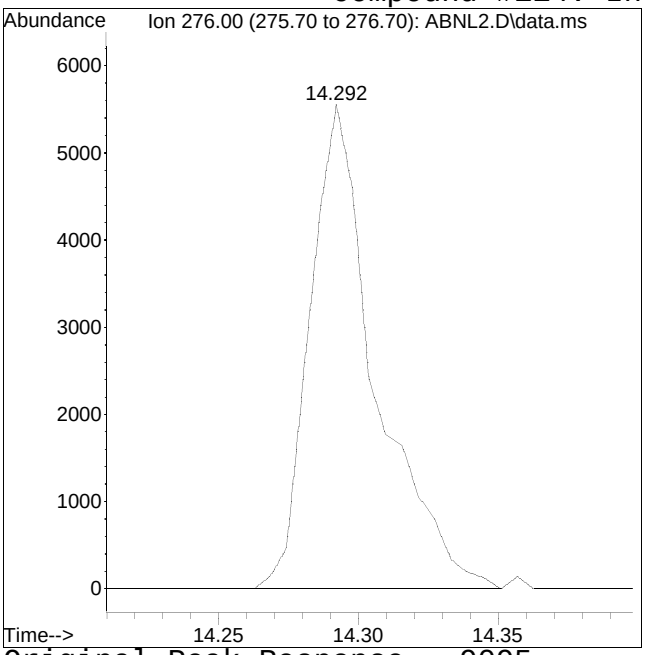


Original Peak Response = 8396 Manual Peak Response = 7521 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

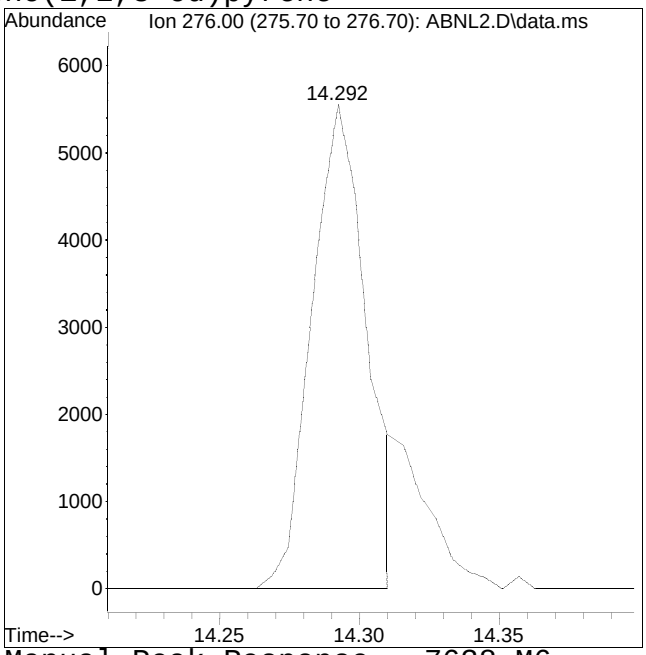
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL2.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:00 pm Instrument : SV112
Sample : IL9,32,,ABNL0.2 Lot# 10785Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 9095



Manual Peak Response = 7638 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20493	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.37%		
35) IS1_Naphthalene-d8	6.040	136	75511	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 92.42%		
63) IS1_Acenaphthene-d10	7.746	164	45957	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 93.43%		
88) IS1_Phenanthrene-d10	9.175	188	105241	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 101.33%		
104) IS1_Chrysene-d12	11.822	240	110283	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 99.15%		
113) IS1_Perylene-d12	13.298	264	126398	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 96.20%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.540	112	534	0.099 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.95%#		
7) Phenol-d6	4.481	99	783	0.113 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.65%#		
19) Nitrobenzene-d5	5.346	82	699	0.105 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 10.50%#		
46) 2-Fluorobiphenyl	7.104	172	2091	0.122 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 12.20%#		
79) 2,4,6-Tribromophenol	8.510	330	276M2	0.102 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 5.10%#		
96) 4-Terphenyl-d14	10.757	244	3232	0.119 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.90%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.181	74	288M2	0.086 ug/ml	
3) Pyridine	2.252	79	392M2	0.073 ug/ml	
5) Aniline	4.487	93	1042	0.112 ug/ml#	61
6) 2-Chlorophenol	4.605	128	741	0.116 ug/ml#	34
8) Phenol	4.493	94	931	0.115 ug/ml#	50
9) Bis(2-chloroethyl)ether	4.563	93	728	0.122 ug/ml#	17
10) 1,3-Dichlorobenzene	4.752	146	935	0.121 ug/ml#	71
11) 1,4-Dichlorobenzene	4.822	146	985	0.122 ug/ml#	83
12) 1,2-Dichlorobenzene	4.969	146	894	0.118 ug/ml#	68
13) Benzyl alcohol	4.957	79	437M4	0.090 ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14) Bis(2-chloroisopropyl)...	5.093	45	790	0.105	ug/ml#	62
15) 2-Methylphenol	5.081	108	547	0.101	ug/ml#	15
16) Hexachloroethane	5.299	117	310M2	0.109	ug/ml	
17) n-Nitrosodi-n-propylamine	5.222	70	439M2	0.099	ug/ml	
18) 3-Methylphenol/4-Methy...	5.234	108	568	0.096	ug/ml#	93
20) Nitrobenzene	5.363	77	704	0.107	ug/ml#	38
21) Isophorone	5.604	82	1294	0.108	ug/ml#	67
22) 2-Nitrophenol	5.675	139	293M2	0.100	ug/ml	
23) 2,4-Dimethylphenol	5.746	107	538	0.095	ug/ml#	63
24) Bis(2-chloroethoxy)met...	5.834	93	899	0.112	ug/ml#	50
25) 2,4-Dichlorophenol	5.916	162	615	0.104	ug/ml#	25
26) 1,2,4-Trichlorobenzene	5.993	180	933	0.125	ug/ml#	80
36) Naphthalene	6.057	128	2390	0.121	ug/ml#	50
37) Benzoic Acid	5.722		0	N.D.		
38) 4-Chloroaniline	6.128	65	151M2	0.068	ug/ml	
39) Hexachlorobutadiene	6.210	225	534	0.115	ug/ml#	19
40) p-Chloro-m-cresol	6.616	107	494M2	0.095	ug/ml	
41) 2-Methylnaphthalene	6.740	142	1597	0.119	ug/ml	96
42) 1-Methylnaphthalene	6.834	115	597	0.129	ug/ml	85
43) Hexachlorocyclopentadiene	6.910	237	462M2	0.098	ug/ml	
44) 2,4,6-Trichlorophenol	7.022	196	484M2	0.100	ug/ml	
45) 2,4,5-Trichlorophenol	7.051	196	457M2	0.092	ug/ml	
47) 2-Chloronaphthalene	7.204	162	1787	0.125	ug/ml#	87
48) 2-Nitroaniline	7.310	138	357M2	0.094	ug/ml	
49) 1,4-Dinitrobenzene	7.440	168	156M2	0.084	ug/ml	
50) 1,3-Dinitrobenzene	7.516	168	177M2	0.082	ug/ml	
51) Dimethyl phthalate	7.510	163	2152	0.124	ug/ml#	77
52) Acenaphthylene	7.604	152	2412	0.114	ug/ml#	61
53) 2,6-Dinitrotoluene	7.551	165	326M3	0.100	ug/ml	
54) 1,2-Dinitrobenzene	7.599	168	55M3	0.044	ug/ml	
64) 3-Nitroaniline	7.710	138	290M2	0.084	ug/ml	
65) Acenaphthene	7.775	154	1510	0.118	ug/ml	98
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	7.946	168	2540	0.120	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	366M3	0.083	ug/ml	
69) 4-Nitrophenol	7.310	65	364M2	0.109	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	8.034	232	401M2	0.093	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	8.075	232	376M2	0.088	ug/ml	
72) Diethyl phthalate	8.198	149	2066	0.121	ug/ml#	62
73) Fluorene	8.275	166	1978	0.120	ug/ml#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	8.293	204	1099	0.123	ug/ml#	63
75) 4-Nitroaniline	8.293	138	279M2	0.077	ug/ml	
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
77) NDPA/DPA	8.404	169	1660	0.117	ug/ml	95
78) Azobenzene	8.440	77	1751	0.117	ug/ml#	55
80) 4-Bromophenyl phenyl e...	8.763	248	734	0.128	ug/ml#	52
81) Hexachlorobenzene	8.816	284	1010	0.140	ug/ml#	35
82) Pentachlorophenol	9.010	266	133M2	0.041	ug/ml	
89) Phenanthrene	9.198	178	3473	0.125	ug/ml	98
90) Anthracene	9.245	178	3305M3	0.121	ug/ml	
91) Carbazole	9.416	167	2768	0.111	ug/ml#	87
92) Di-n-butylphthalate	9.798	149	2918	0.107	ug/ml#	78
93) Fluoranthene	10.357	202	3944	0.122	ug/ml#	84
94) Benzidine	10.504	184	1677	0.094	ug/ml#	68
95) Pyrene	10.575	202	4212	0.123	ug/ml	97
97) Butyl benzyl phthalate	11.281	149	1280	0.106	ug/ml#	87
105) Benzo(a)anthracene	11.810	228	4414	0.125	ug/ml	95
106) 3,3'-Dichlorobenzidine	11.810	252	1334	0.103	ug/ml#	82
107) Chrysene	11.845	228	4617	0.133	ug/ml	95
108) Bis(2-ethylhexyl)phtha...	11.916	149	1709	0.097	ug/ml#	56
109) Di-n-octylphthalate	12.598	149	2547	0.094	ug/ml#	75
110) Benzo(b)fluoranthene	12.922	252	4361	0.120	ug/ml#	82
111) Benzo(k)fluoranthene	12.951	252	3489M3	0.105	ug/ml	
112) Benzo(a)pyrene	13.239	252	3478M3	0.110	ug/ml	
114) Indeno(1,2,3-cd)pyrene	14.292	276	3767M6	0.107	ug/mL	
115) Dibenzo(a,h)anthracene	14.316	278	3287	0.097	ug/ml#	77
116) Benzo(ghi)perylene	14.557	276	3809	0.112	ug/ml	93

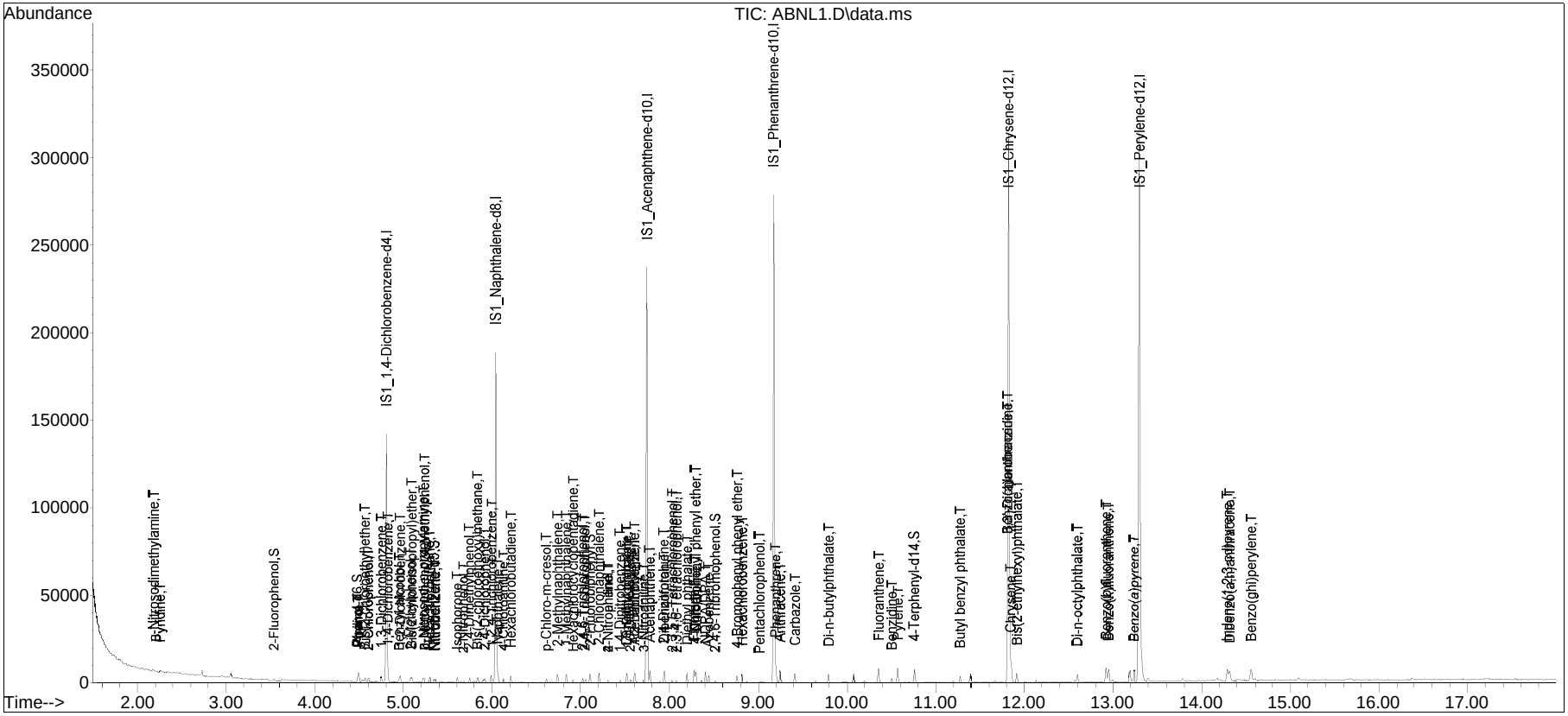
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNL1.D
Acq On : 25 Jun 2024 11:23 pm
Operator : SV112:mrg
Sample : IL10,32,,ABNL0.1 Lot# 10786
Misc : WG1939943
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 14:00:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 29 06:49:41 2024
Response via : Initial Calibration

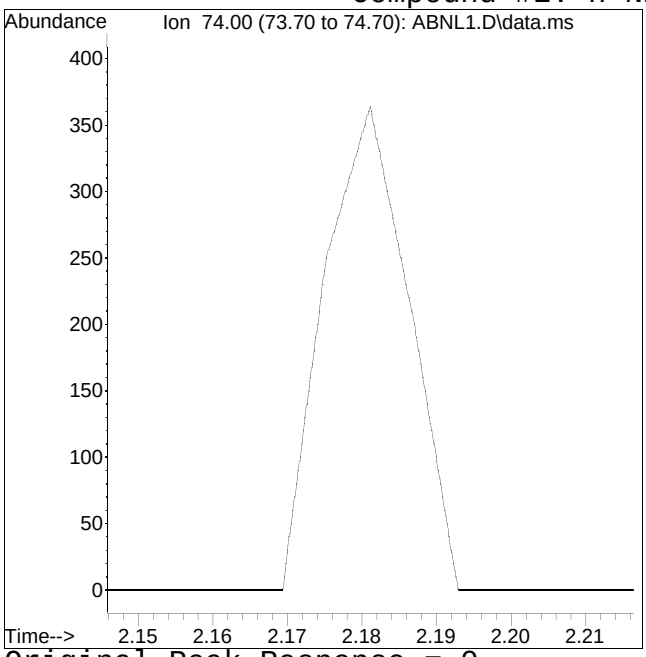
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



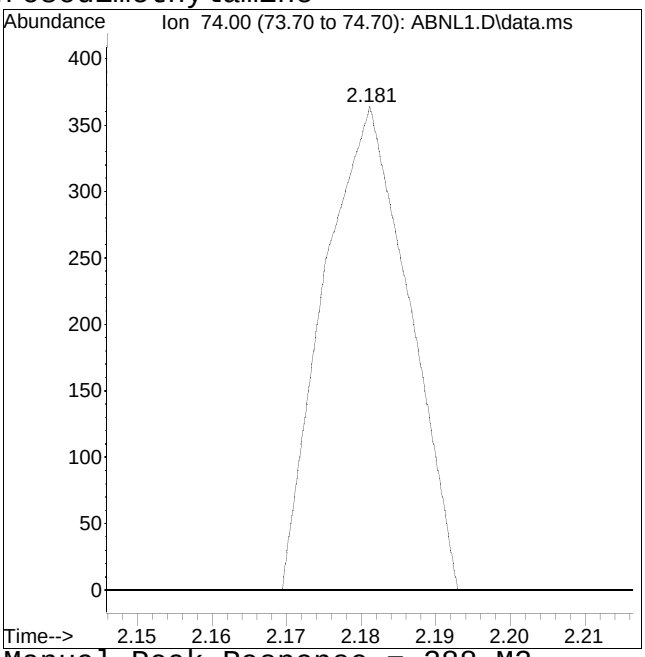
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0



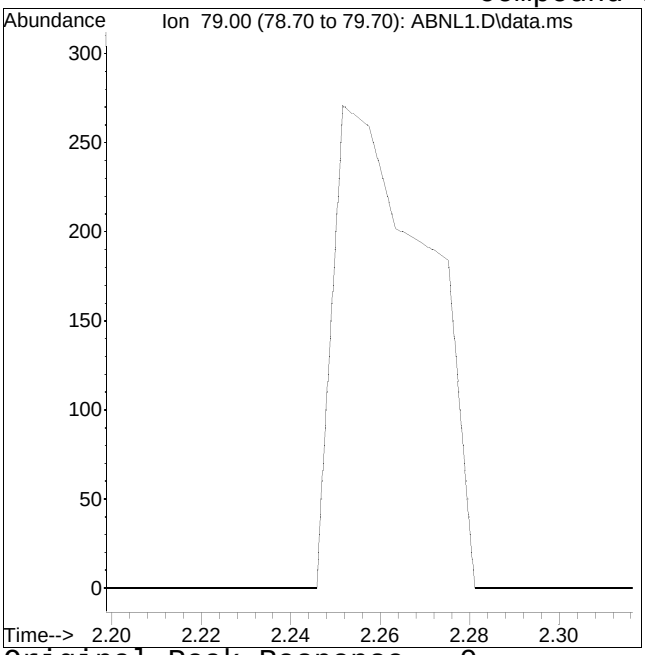
Manual Peak Response = 288 M2

M2 = Peak not found by automatic integration algorithm.

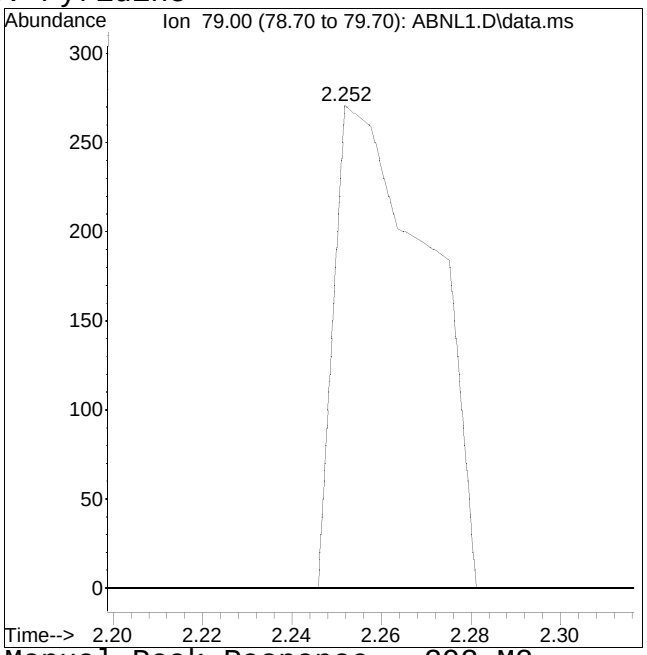
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #3: Pyridine



Original Peak Response = 0



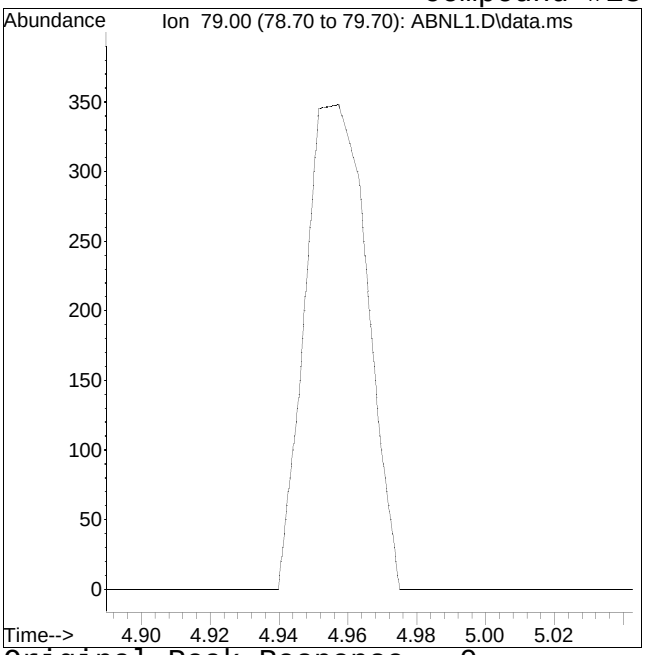
Manual Peak Response = 392 M2

M2 = Peak not found by automatic integration algorithm.

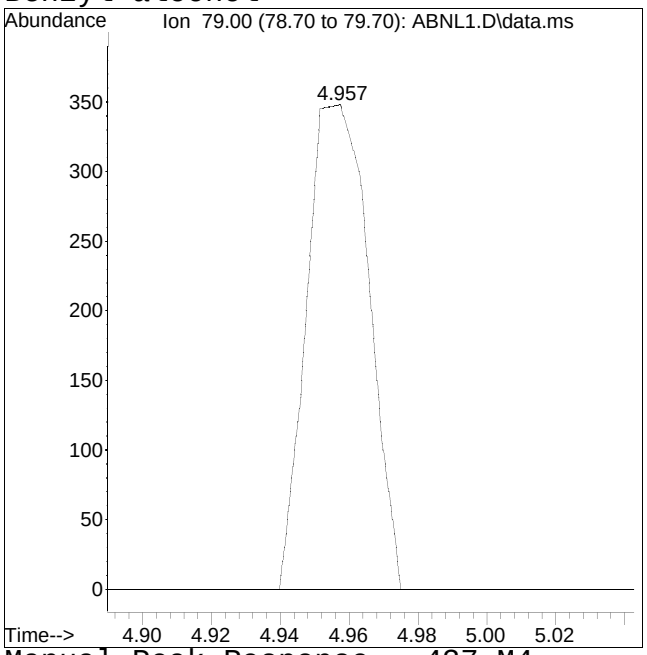
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #13: Benzyl alcohol



Original Peak Response = 0



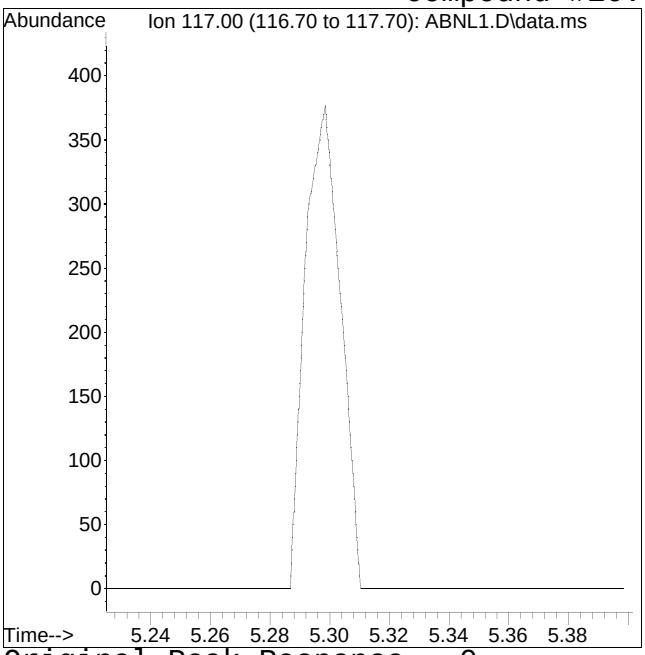
Manual Peak Response = 437 M4

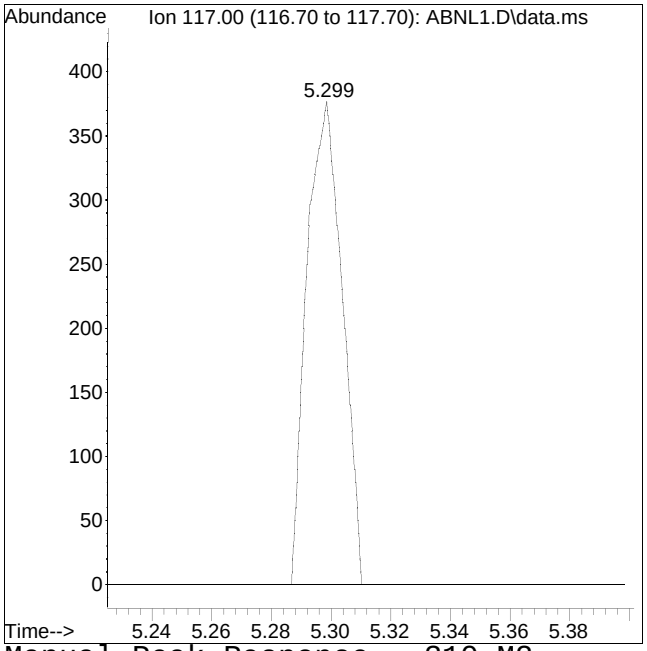
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #16: Hexachloroethane



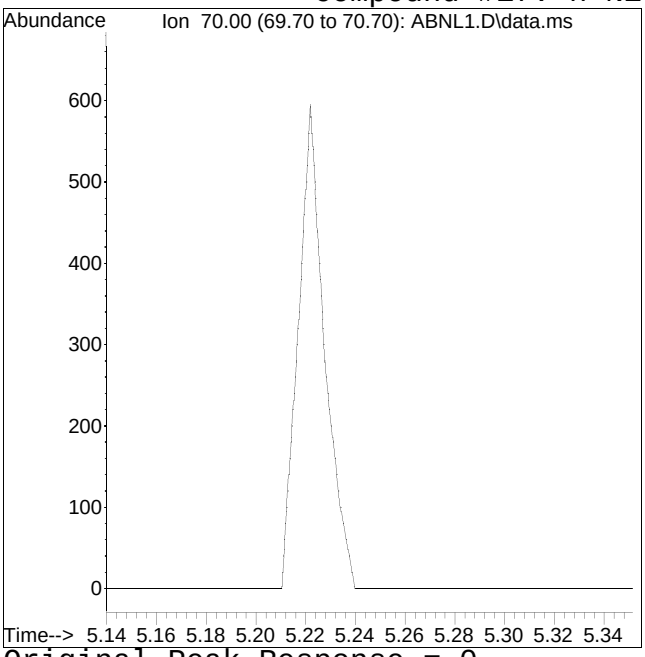


Original Peak Response = 0 Manual Peak Response = 310 M2
M2 = Peak not found by automatic integration algorithm.

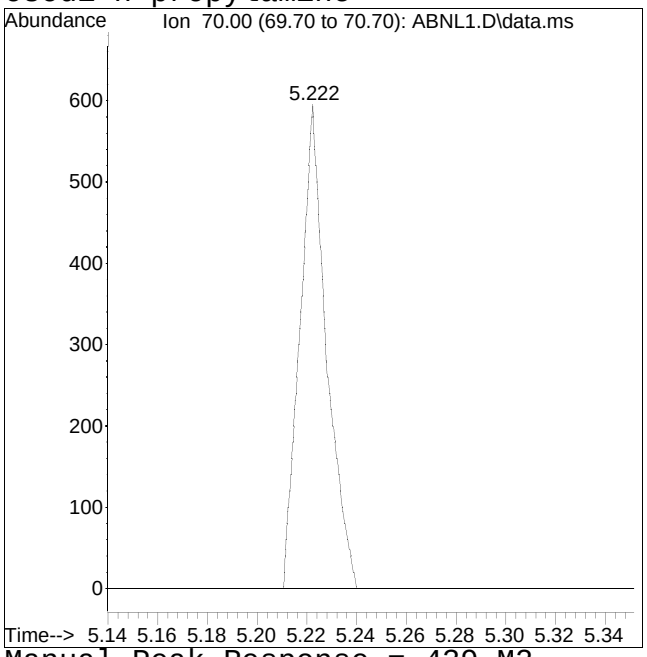
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #17: n-Nitrosodi-n-propylamine



Original Peak Response = 0



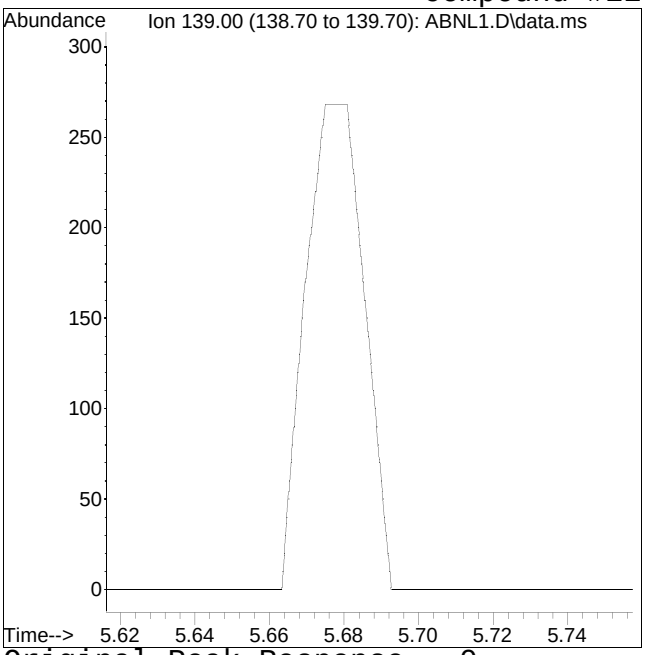
Manual Peak Response = 439 M2

M2 = Peak not found by automatic integration algorithm.

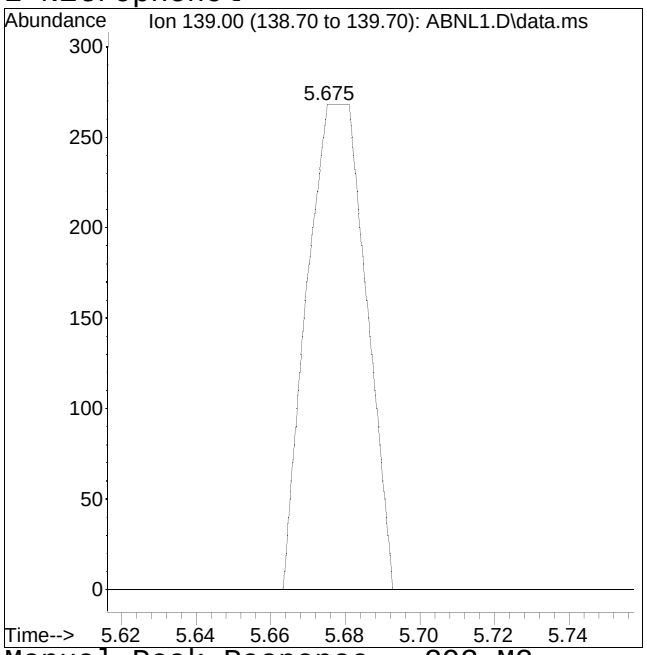
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0



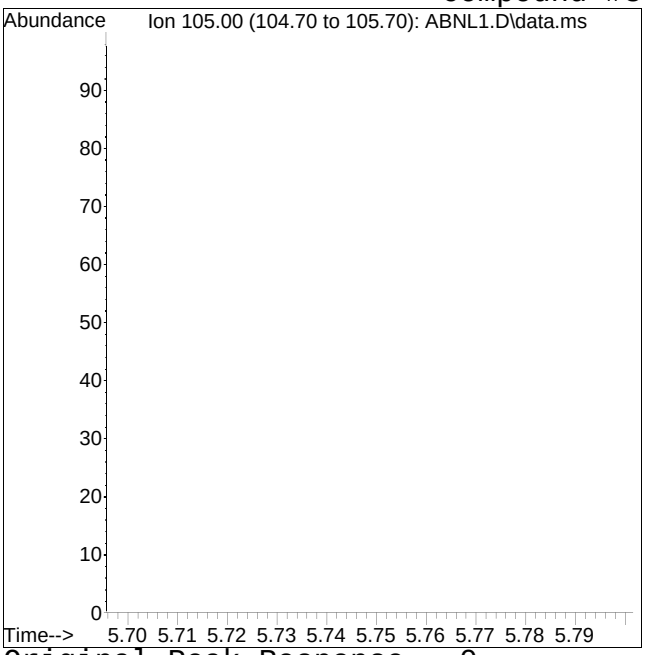
Manual Peak Response = 293 M2

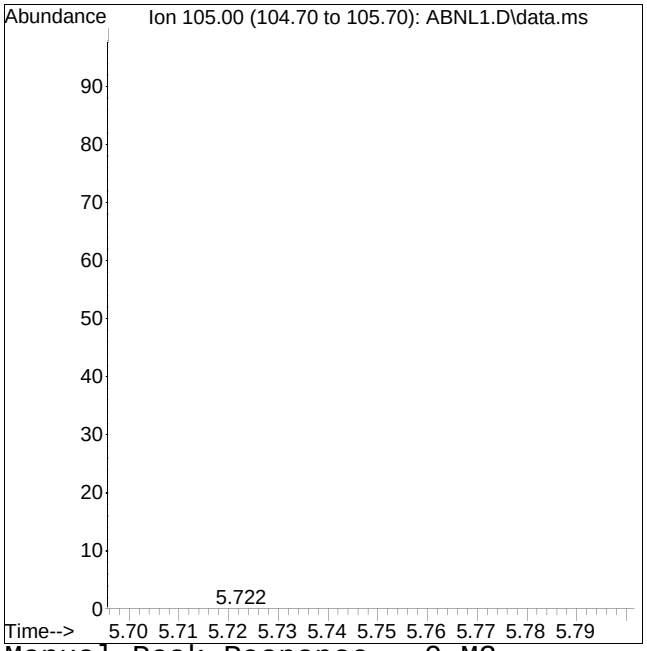
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #37: Benzoic Acid





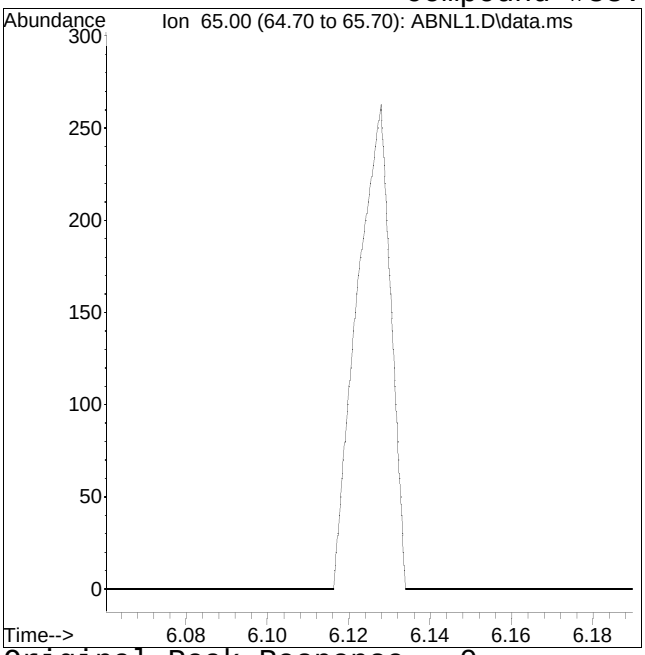
Original Peak Response = 0 Manual Peak Response = 0 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

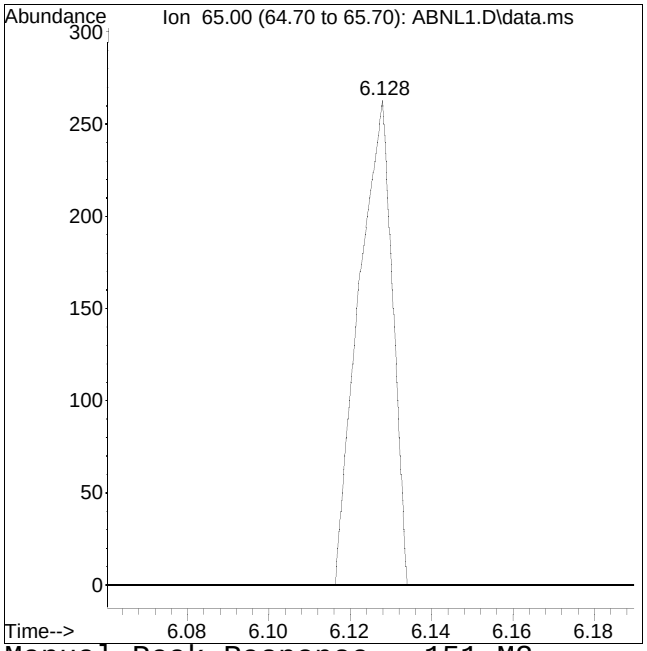
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0



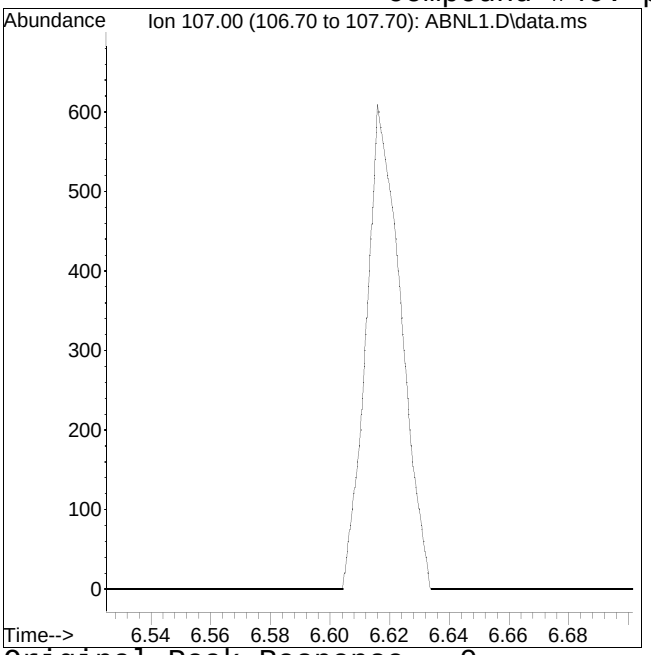
Manual Peak Response = 151 M2

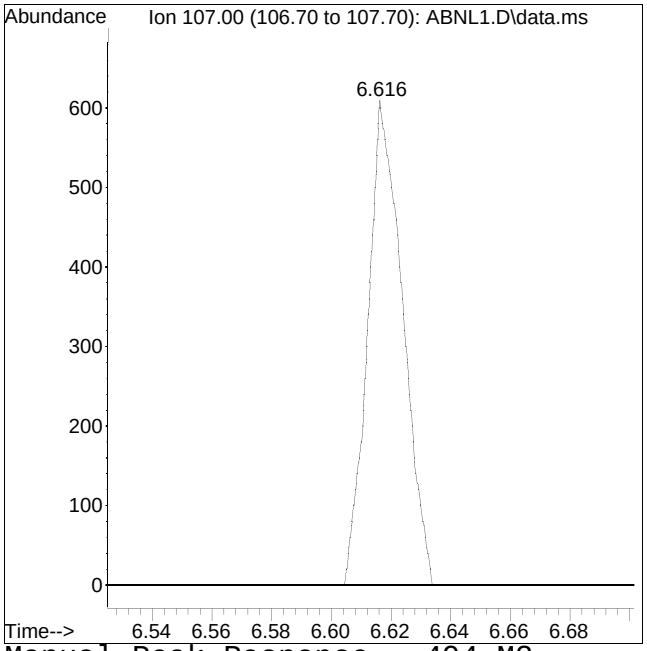
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #40: p-Chloro-m-cresol



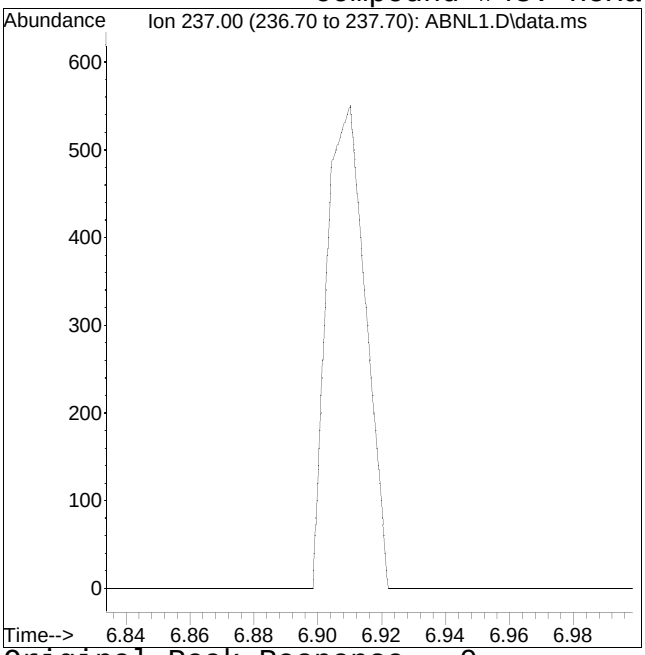


Original Peak Response = 0 Manual Peak Response = 494 M2
M2 = Peak not found by automatic integration algorithm.

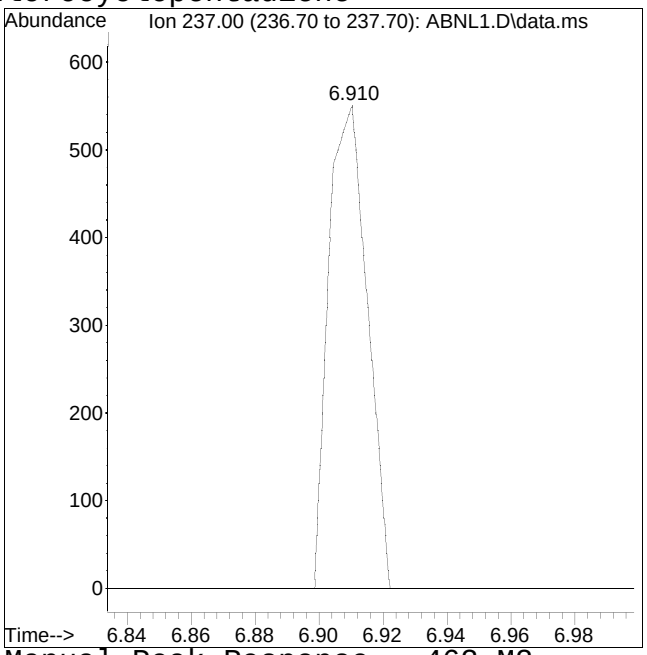
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #43: Hexachlorocyclopentadiene



Original Peak Response = 0



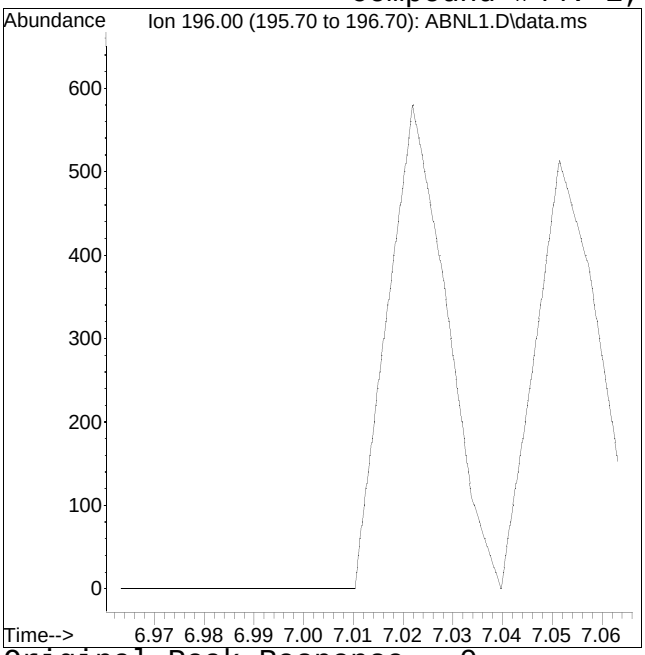
Manual Peak Response = 462 M2

M2 = Peak not found by automatic integration algorithm.

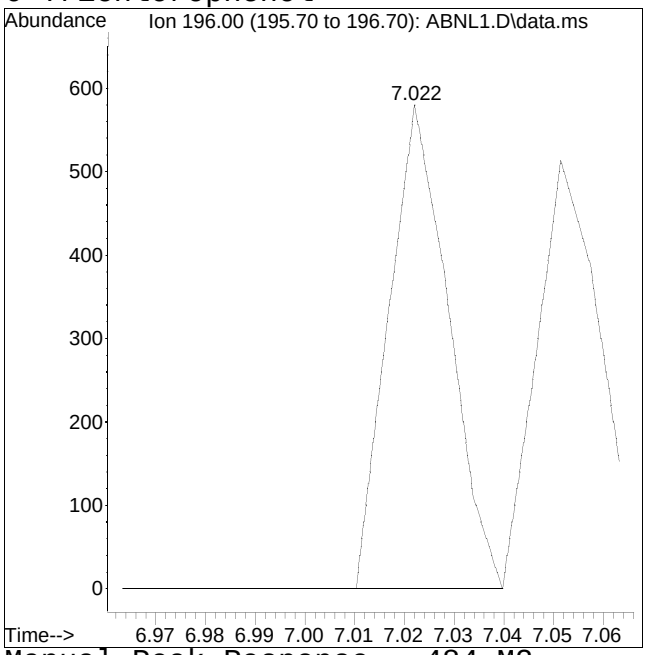
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 0



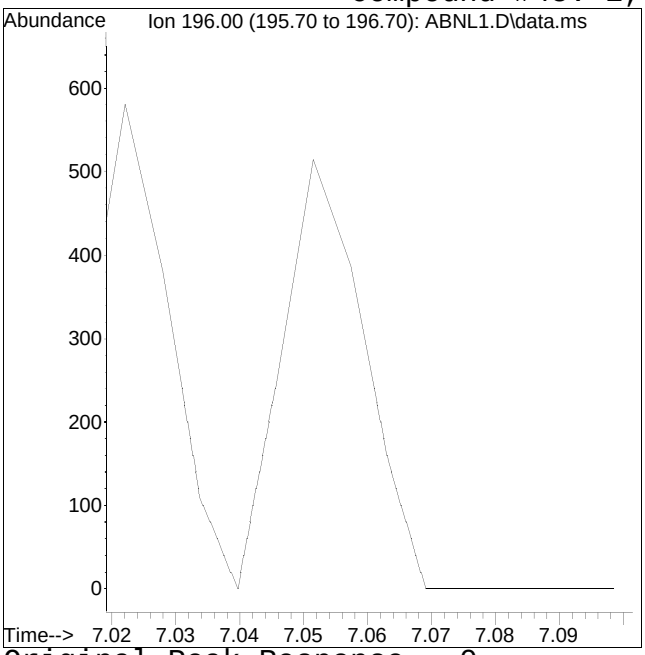
Manual Peak Response = 484 M2

M2 = Peak not found by automatic integration algorithm.

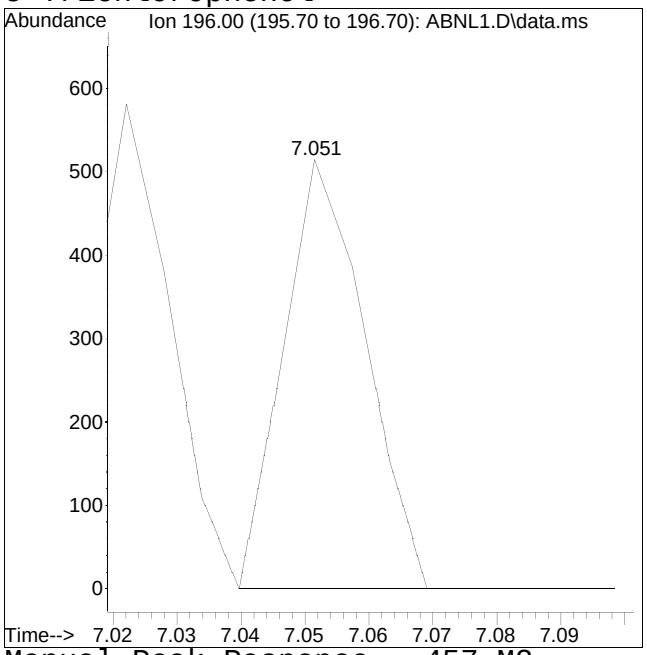
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 0



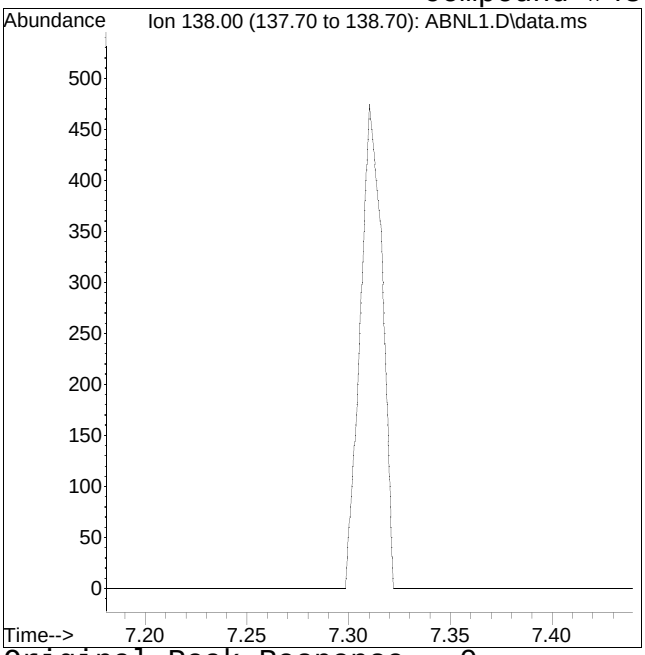
Manual Peak Response = 457 M2

M2 = Peak not found by automatic integration algorithm.

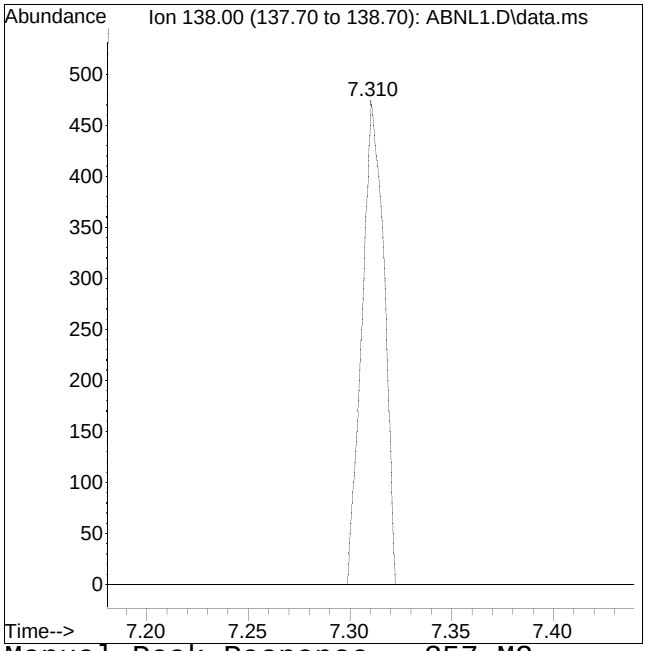
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0



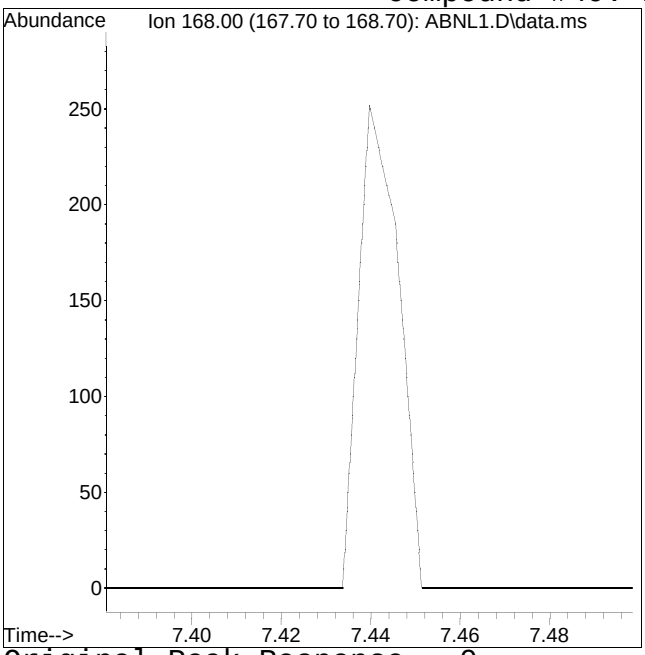
Manual Peak Response = 357 M2

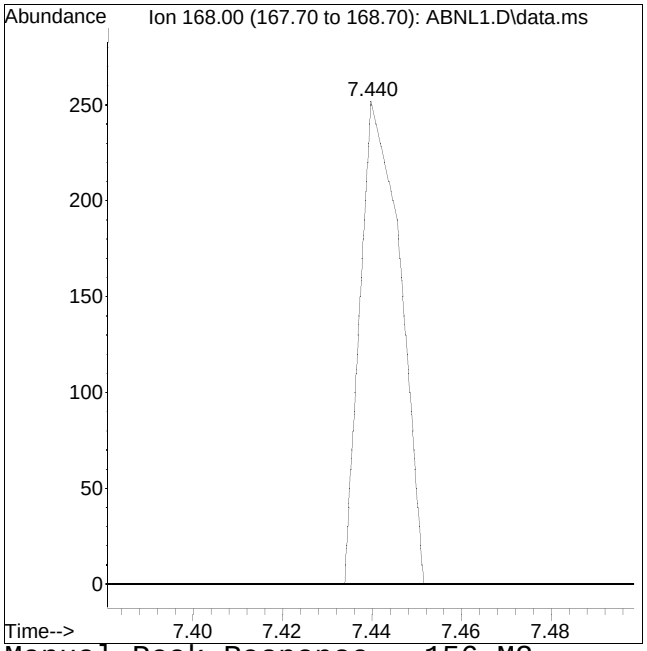
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #49: 1,4-Dinitrobenzene



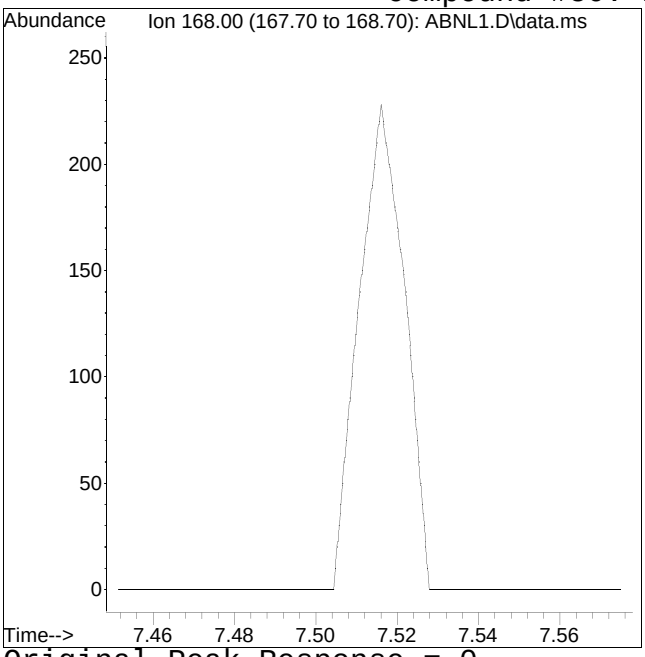


Original Peak Response = 0 Manual Peak Response = 156 M2
M2 = Peak not found by automatic integration algorithm.

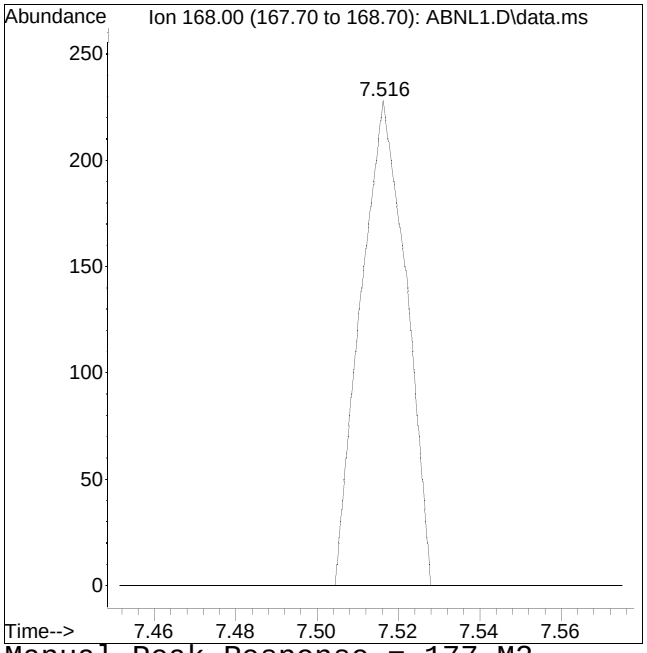
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0



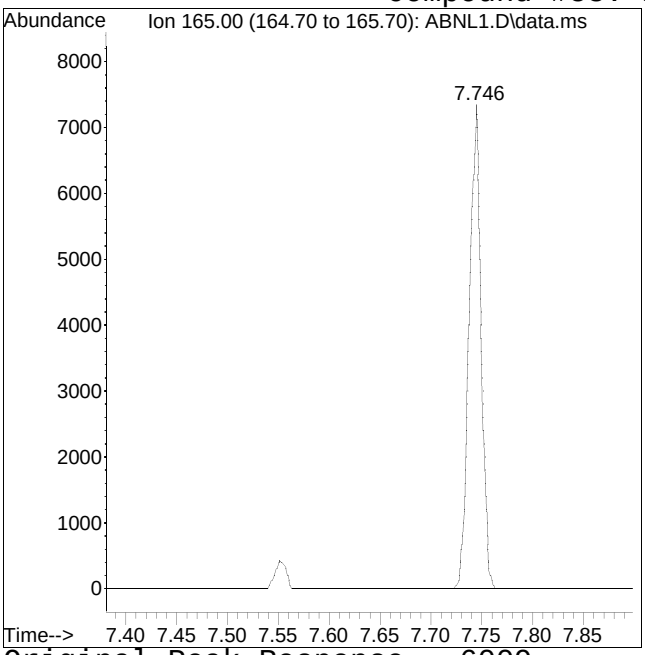
Manual Peak Response = 177 M2

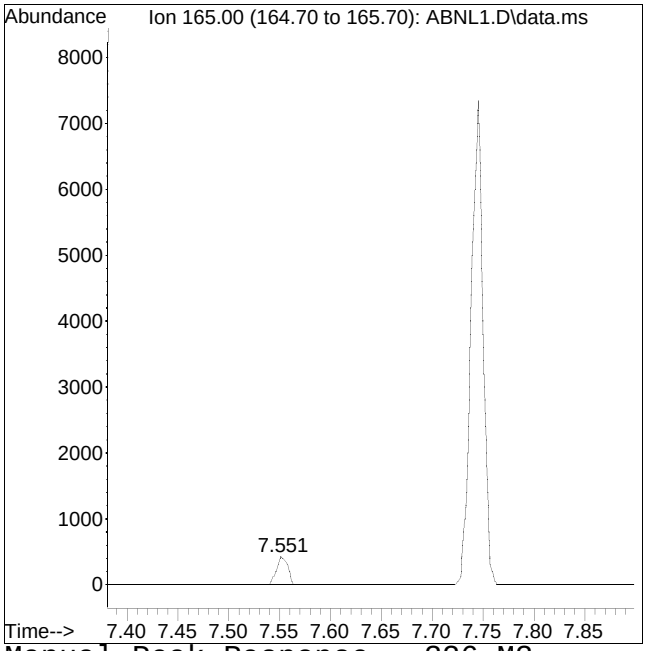
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #53: 2,6-Dinitrotoluene





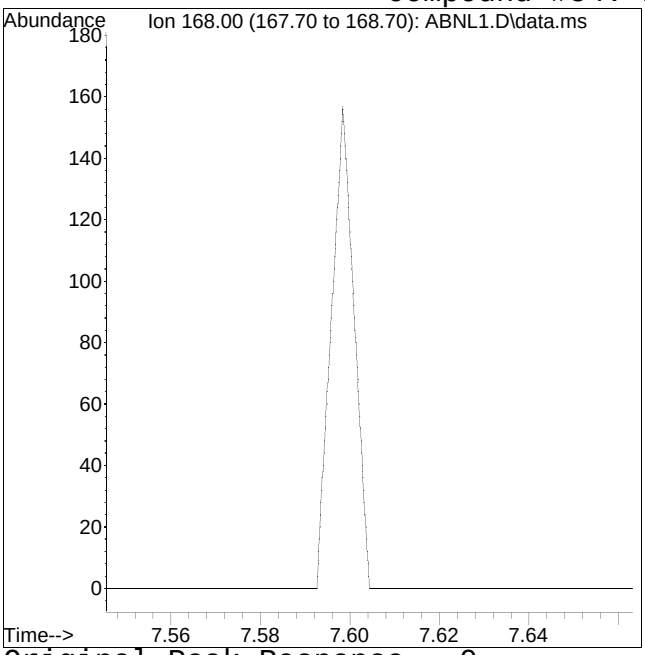
Original Peak Response = 6009 Manual Peak Response = 326 M3

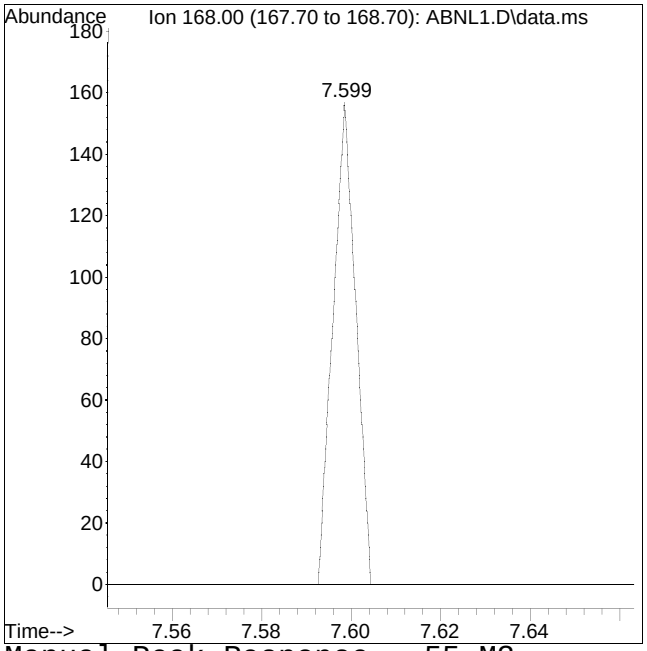
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #54: 1,2-Dinitrobenzene



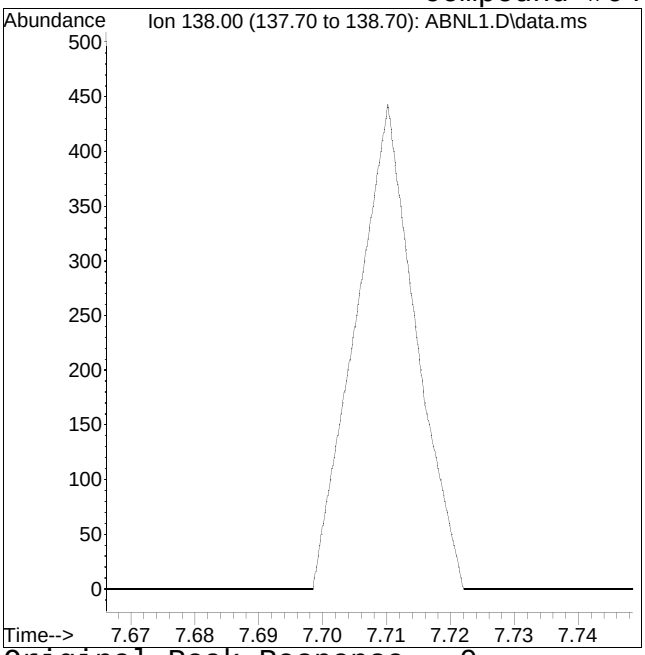


Original Peak Response = 0 Manual Peak Response = 55 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

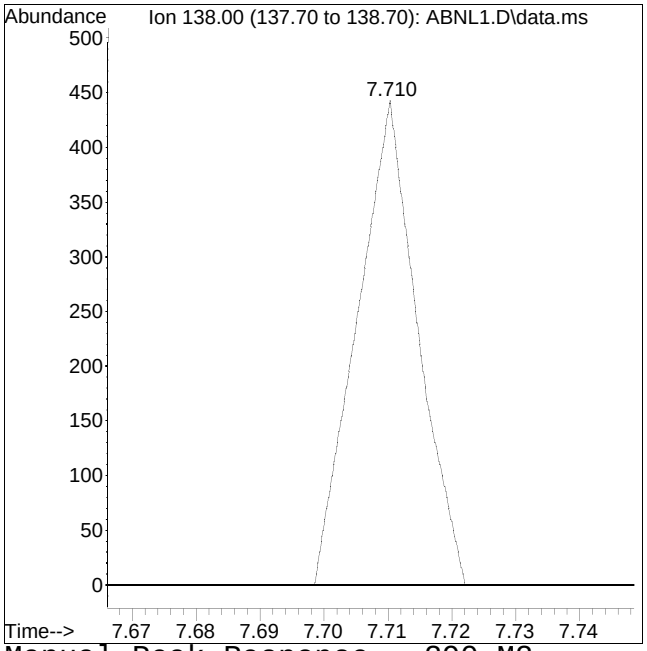
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0



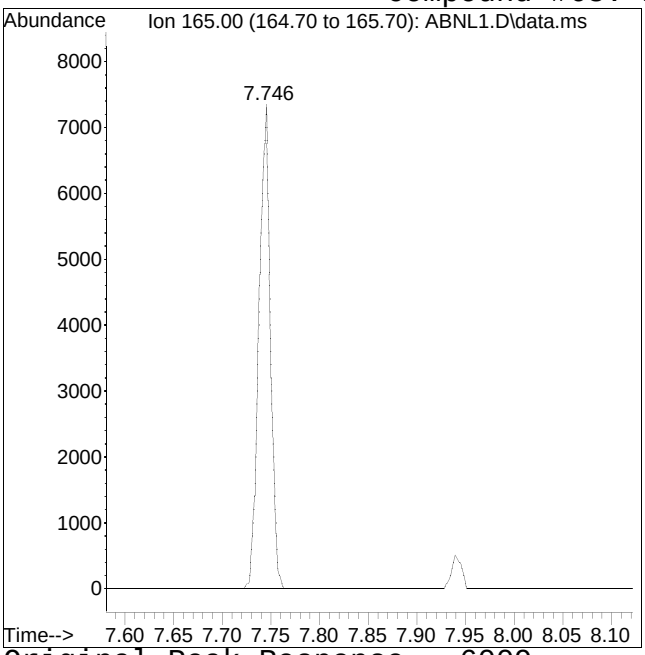
Manual Peak Response = 290 M2

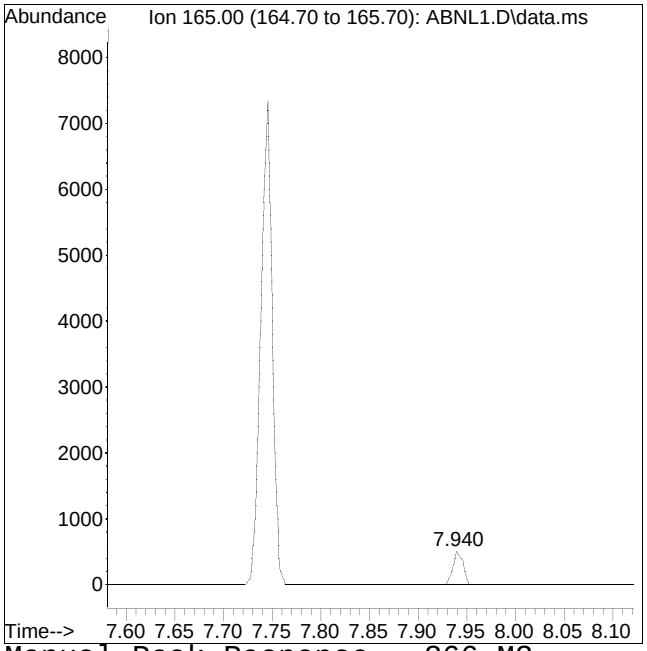
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #68: 2,4-Dinitrotoluene





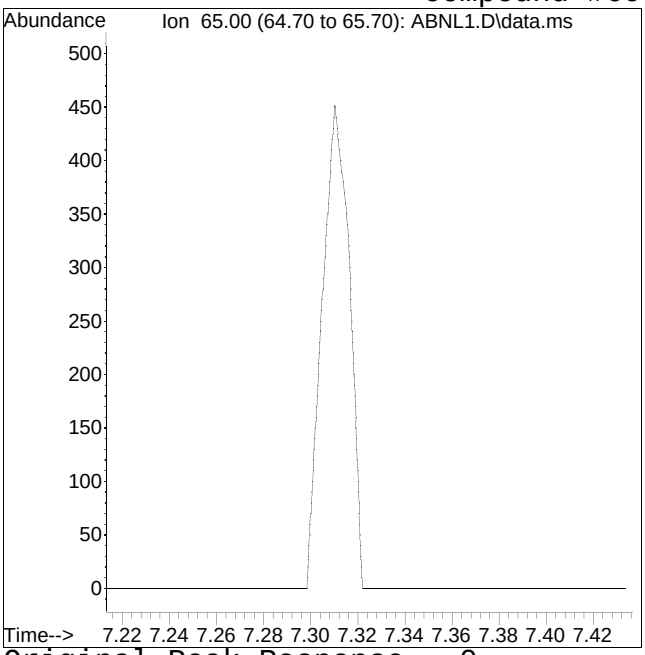
Original Peak Response = 6009 Manual Peak Response = 366 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

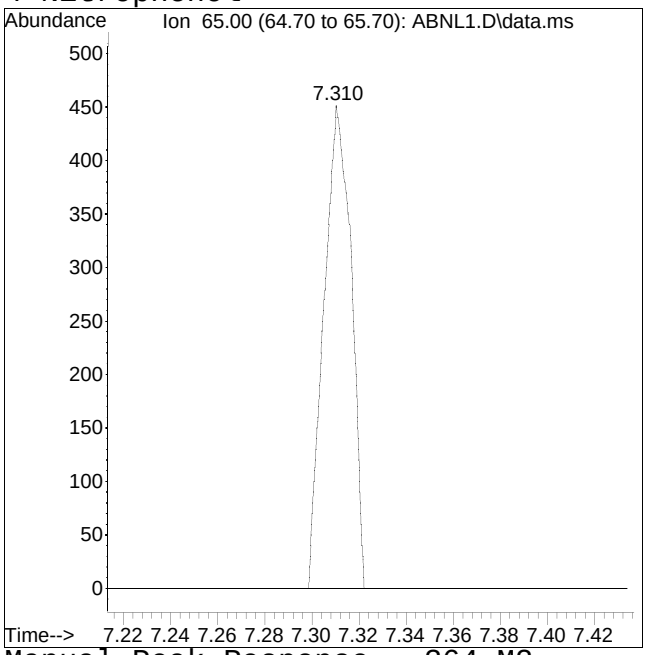
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 0



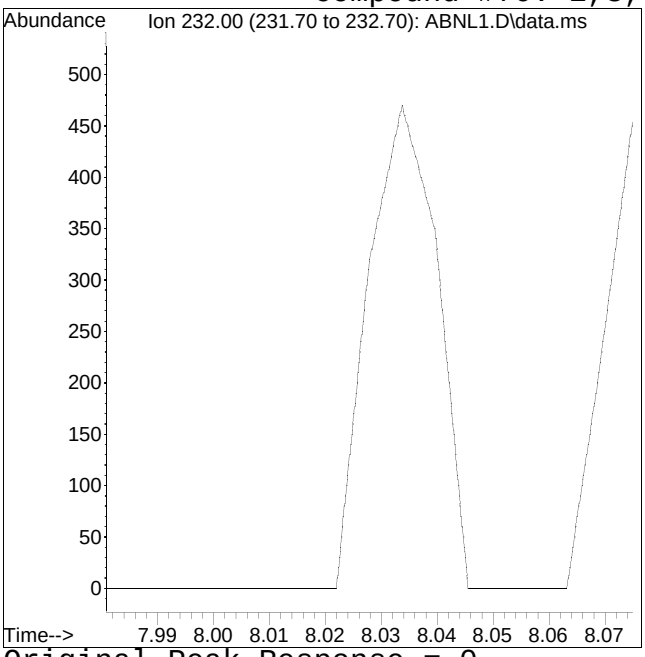
Manual Peak Response = 364 M2

M2 = Peak not found by automatic integration algorithm.

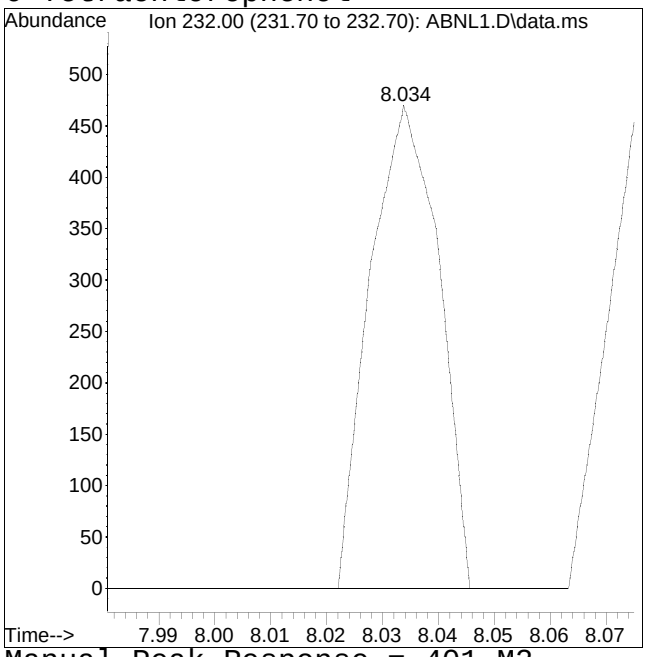
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0



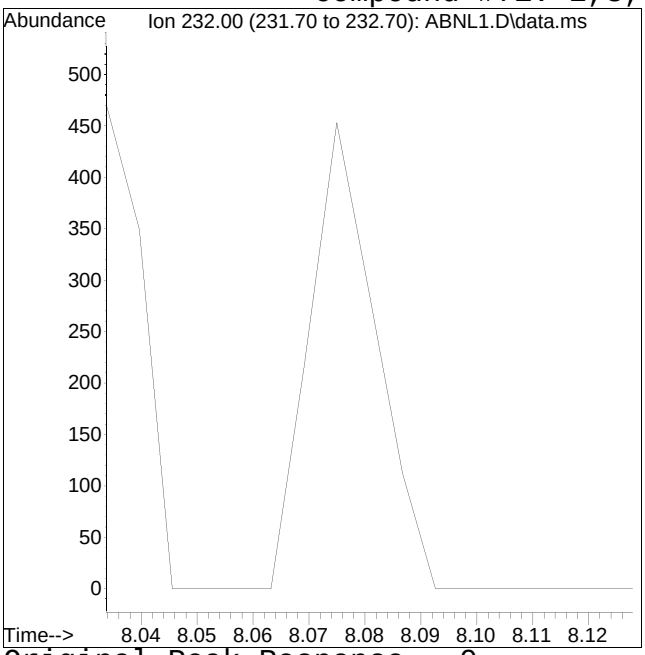
Manual Peak Response = 401 M2

M2 = Peak not found by automatic integration algorithm.

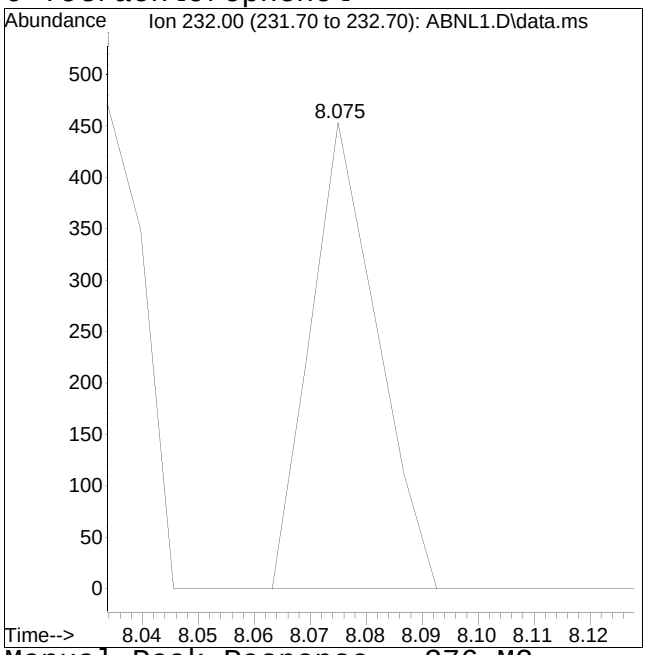
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0



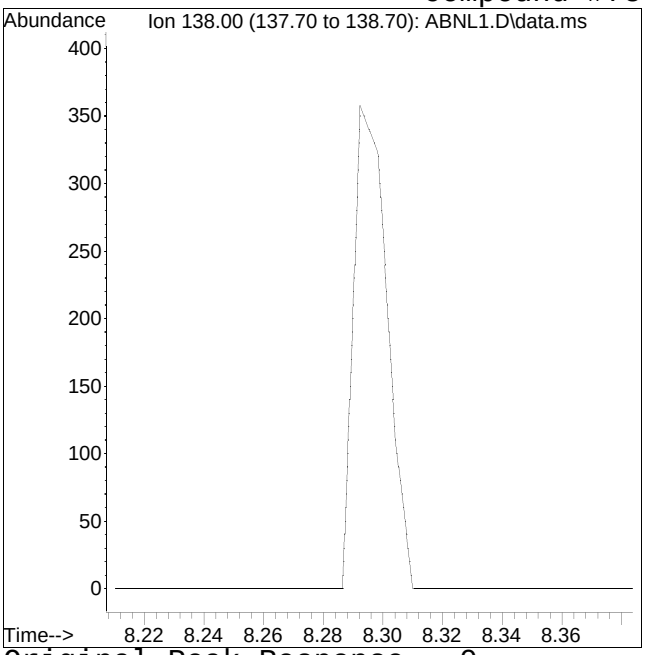
Manual Peak Response = 376 M2

M2 = Peak not found by automatic integration algorithm.

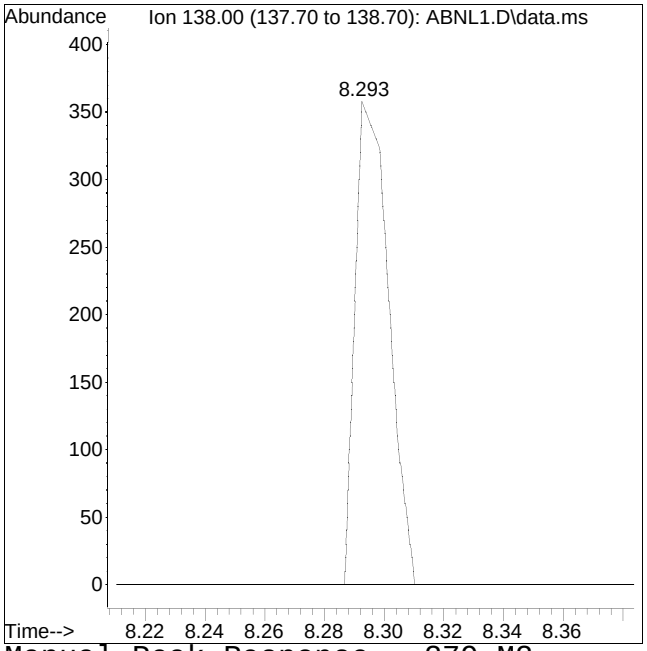
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0



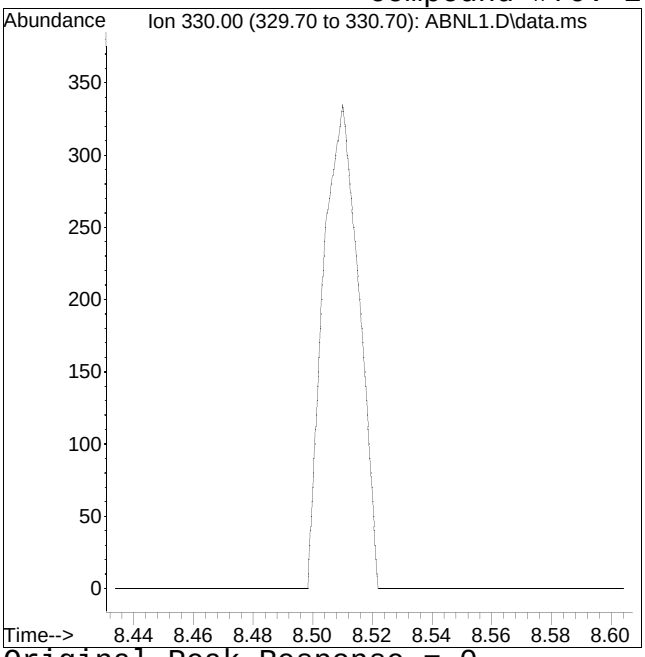
Manual Peak Response = 279 M2

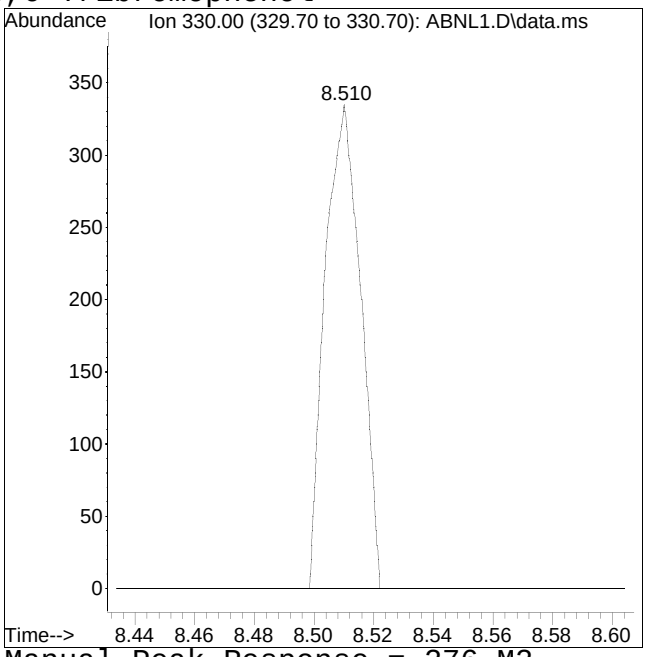
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #79: 2,4,6-Tribromophenol



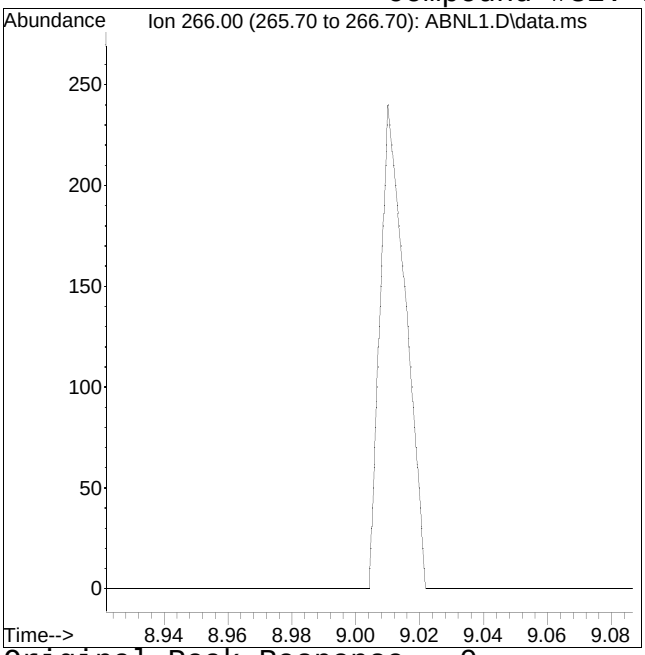


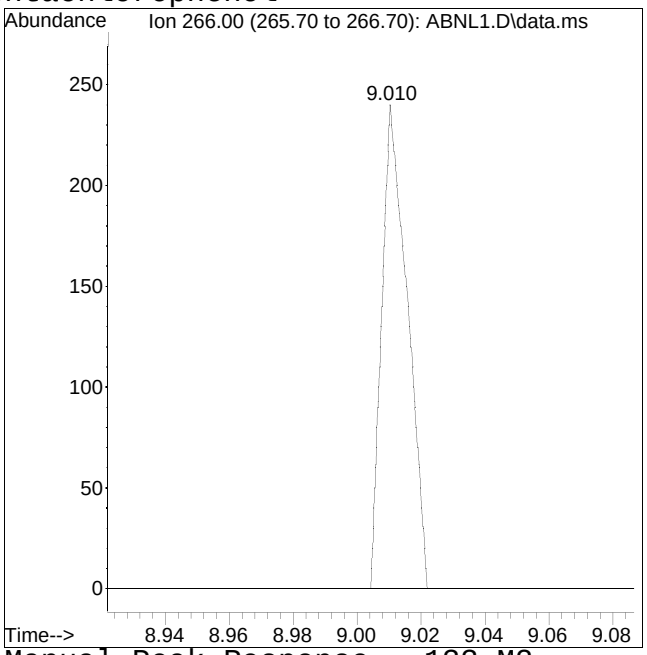
Original Peak Response = 0 Manual Peak Response = 276 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #82: Pentachlorophenol



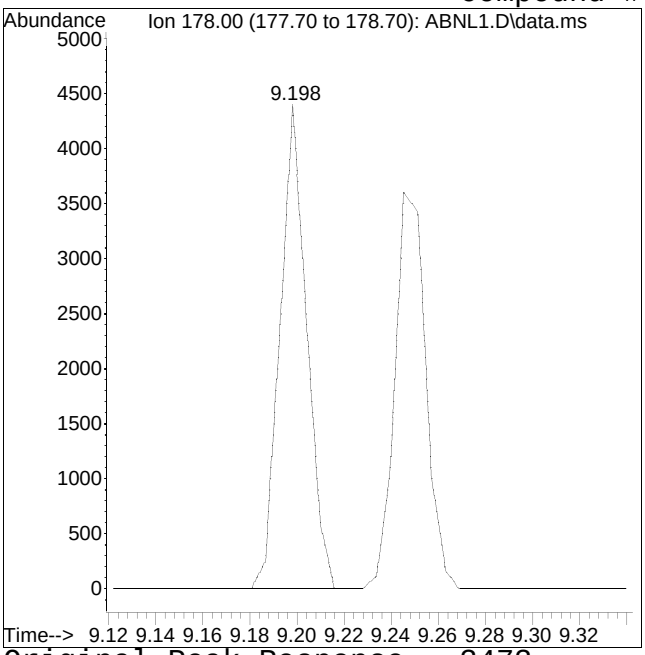


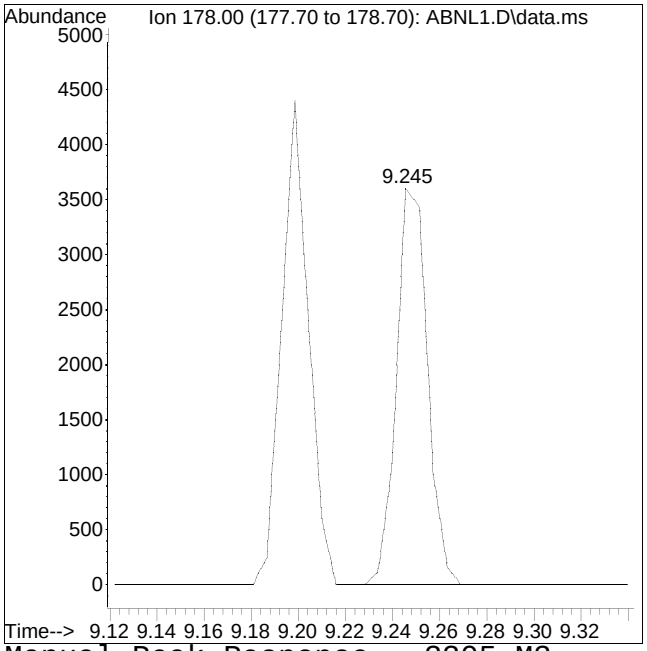
Original Peak Response = 0 Manual Peak Response = 133 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #90: Anthracene





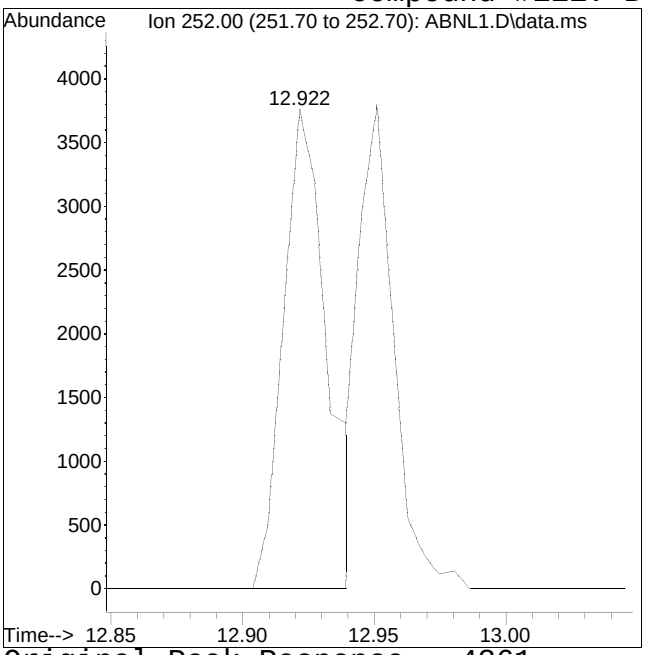
Original Peak Response = 3473 Manual Peak Response = 3305 M3

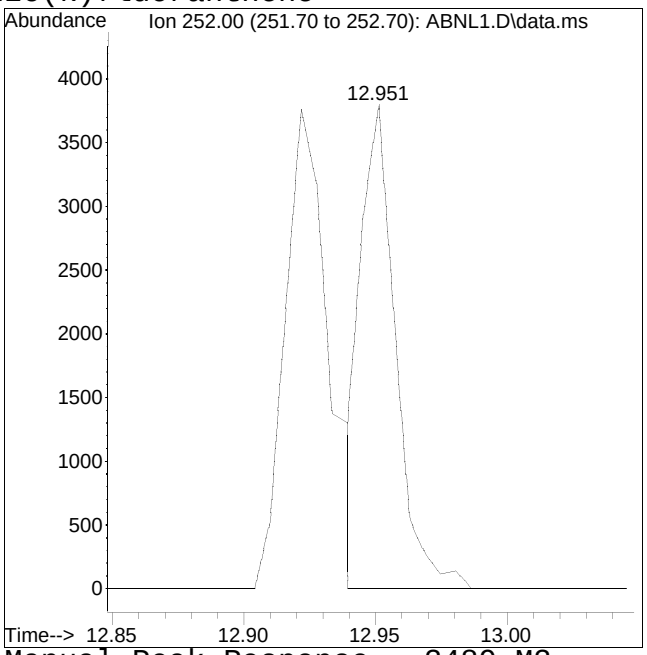
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #111: Benzo(k)fluoranthene



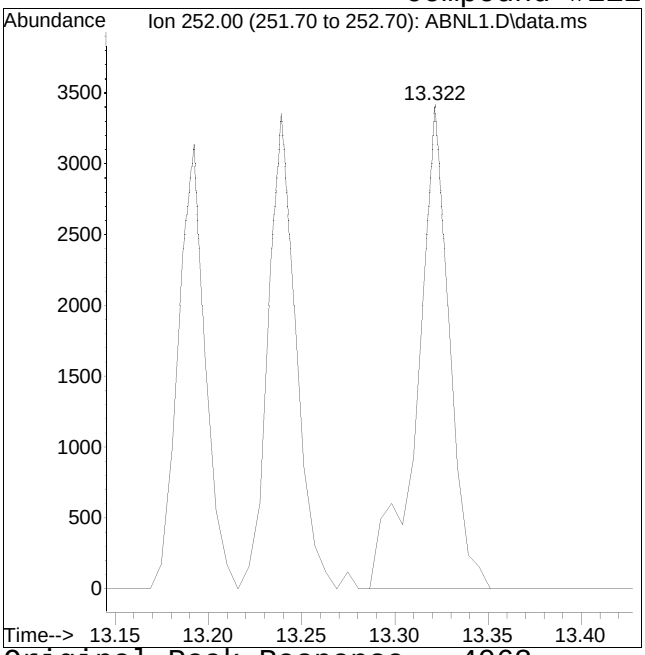


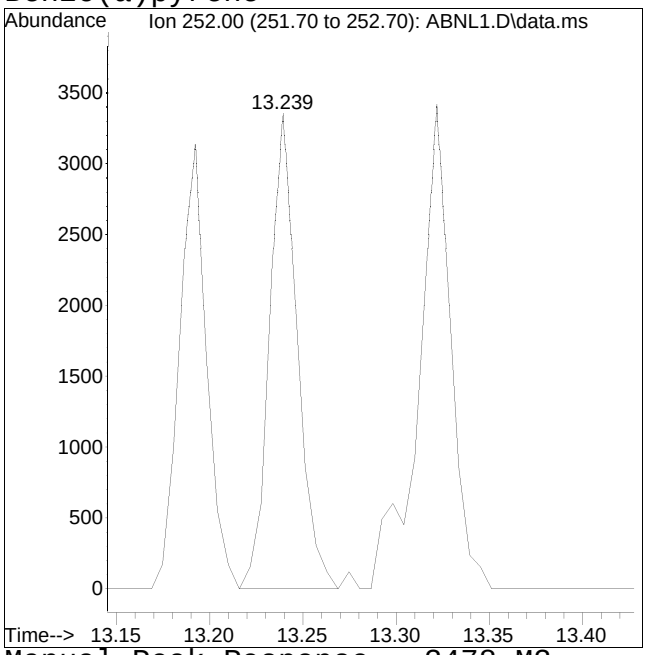
Original Peak Response = 4361 Manual Peak Response = 3489 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #112: Benzo(a)pyrene



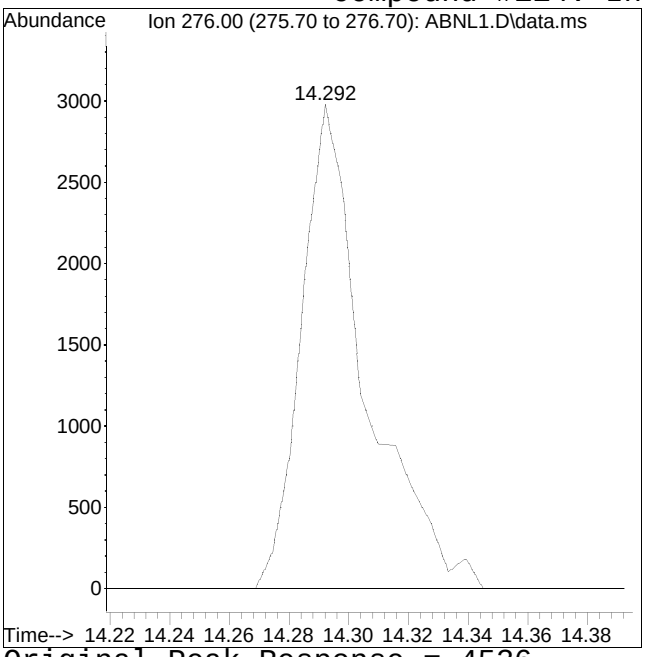


Original Peak Response = 4063 Manual Peak Response = 3478 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

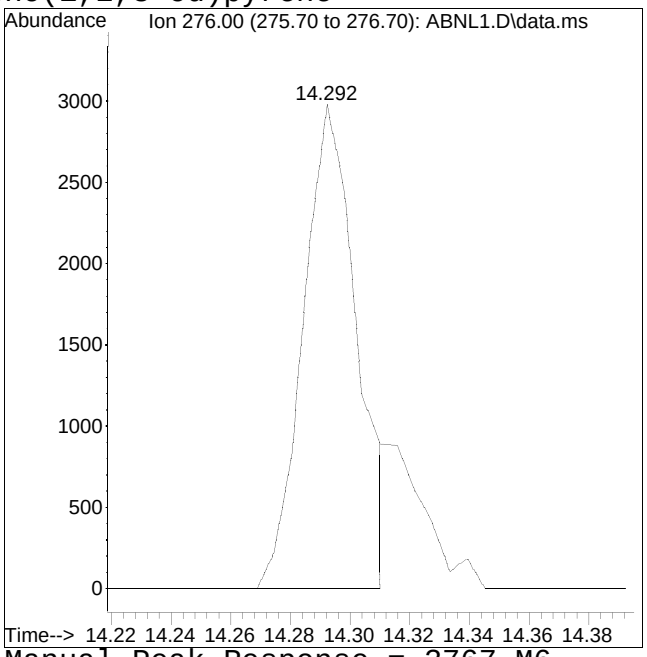
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNL1.D Operator : SV112:mrg
Date Inj'd : 6/25/2024 11:23 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1078Quant Date : 6/30/2024 2:01 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4536



Manual Peak Response = 3767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	22492	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 105.96%				
55) IS2_Naphthalene-d8	6.040	136	90198	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 110.06%				
83) IS2_Acenaphthene-d10	7.746	164	57949	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 111.88%				
98) IS2_Phenanthrene-d10	9.181	188	134679	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 113.98%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	323089	52.545	ug/ml		100
29) Acetophenone	5.205	105	569164	53.186	ug/ml		98
30) m-Toluidine	5.287	106	575073	55.939	ug/ml		98
31) 2-Chloroaniline	5.646	127	523726	53.474	ug/ml		98
56) a-Terpineol	6.099	59	349417	55.891	ug/ml		90
57) 3-Chloroaniline	6.110	65	189402	55.923	ug/ml		99
58) 2,6-Dichlorophenol	6.140	162	417756	56.797	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.393	111	189585	58.701	ug/ml		94
60) Caprolactam	6.452	55	206621	50.610	ug/ml		88
61) 1,2,4,5-Tetrachloroben...	6.910	216	538717	49.859	ug/ml		99
62) Biphenyl	7.199	154	1054299	45.553	ug/ml	#	88
84) Dichloran	8.881	206	195131	51.538	ug/ml	#	69
85) Pentachloronitrobenzene	9.028	237	204094	60.012	ug/ml	#	81
99) Diphenamid	10.087	167	939537	54.186	ug/ml		82

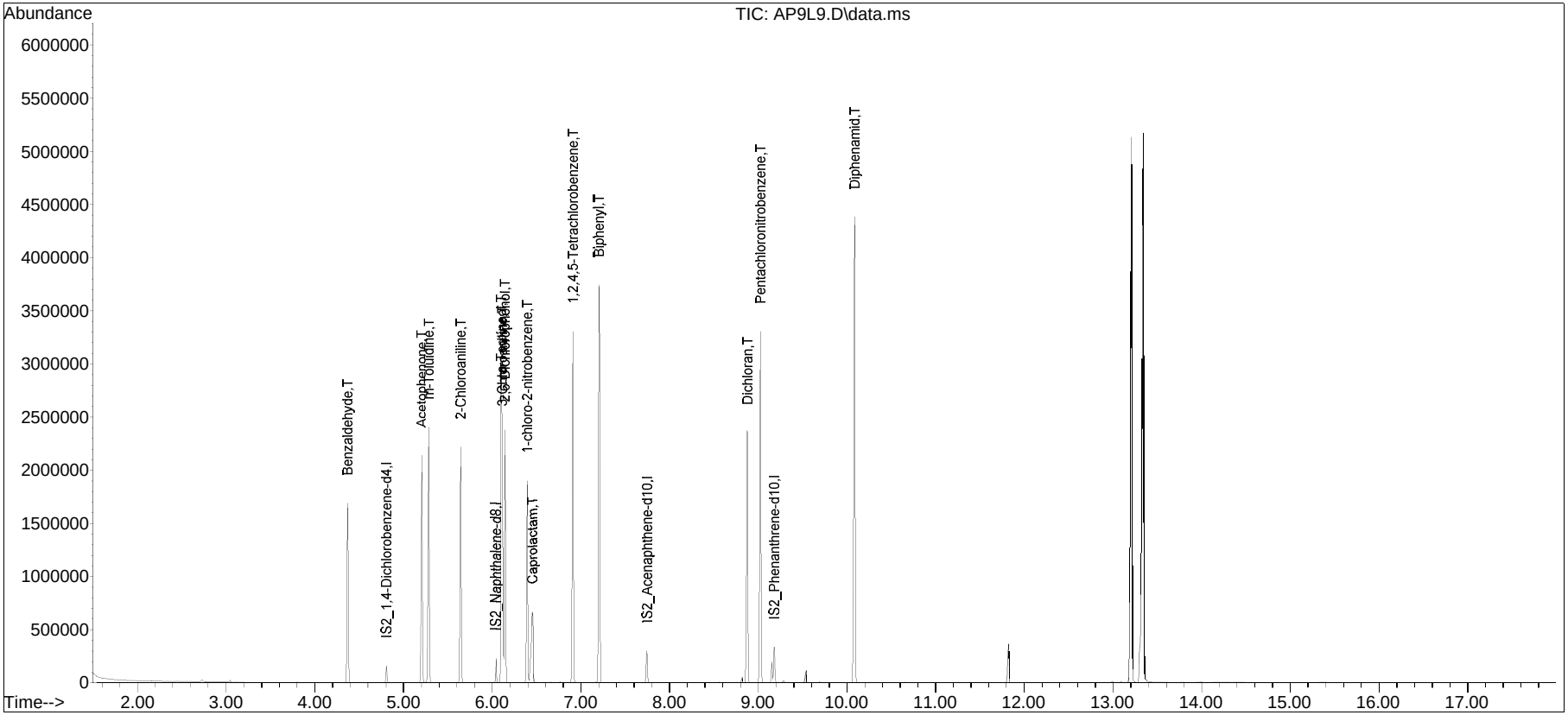
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L9.D
Acq On : 25 Jun 2024 11:47 pm
Operator : SV112:mrg
Sample : IL2,32,,AP9L50 Lot# 10787
Misc : WG1939943
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 06:24:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



FS240625SV112RVT.m Mon Jul 01 06:28:26 2024 Page: 2

Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L9.D	Operator	: SV112:mrg
Date Inj'd	: 6/25/2024 11:47 pm	Instrument	: SV112
Sample	: IL2,32,,AP9L50 Lot# 10787	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	22044	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery =	103.85%		
55) IS2_Naphthalene-d8	6.040	136	85892	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery =	104.81%		
83) IS2_Acenaphthene-d10	7.746	164	54696	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery =	105.60%		
98) IS2_Phenanthrene-d10	9.175	188	127626	4.000	ug/ml #	0.00
Standard Area 1 = 118160			Recovery =	108.01%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	160147	26.574	ug/ml	100
29) Acetophenone	5.199	105	284383	27.114	ug/ml	98
30) m-Toluidine	5.281	106	281783	27.967	ug/ml	97
31) 2-Chloroaniline	5.646	127	257558	26.832	ug/ml	98
56) a-Terpineol	6.093	59	166526	27.972	ug/ml	91
57) 3-Chloroaniline	6.110	65	87285	27.064	ug/ml	96
58) 2,6-Dichlorophenol	6.140	162	196135	28.003	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.387	111	89474	29.092	ug/ml	95
60) Caprolactam	6.440	55	95511	24.807	ug/ml#	87
61) 1,2,4,5-Tetrachloroben...	6.910	216	261772	25.442	ug/ml	98
62) Biphenyl	7.199	154	553574	25.117	ug/ml	94
84) Dichloran	8.875	206	87560	24.834	ug/ml#	70
85) Pentachloronitrobenzene	9.028	237	92965	28.961	ug/ml#	82
99) Diphenamid	10.081	167	476415	28.995	ug/ml	84

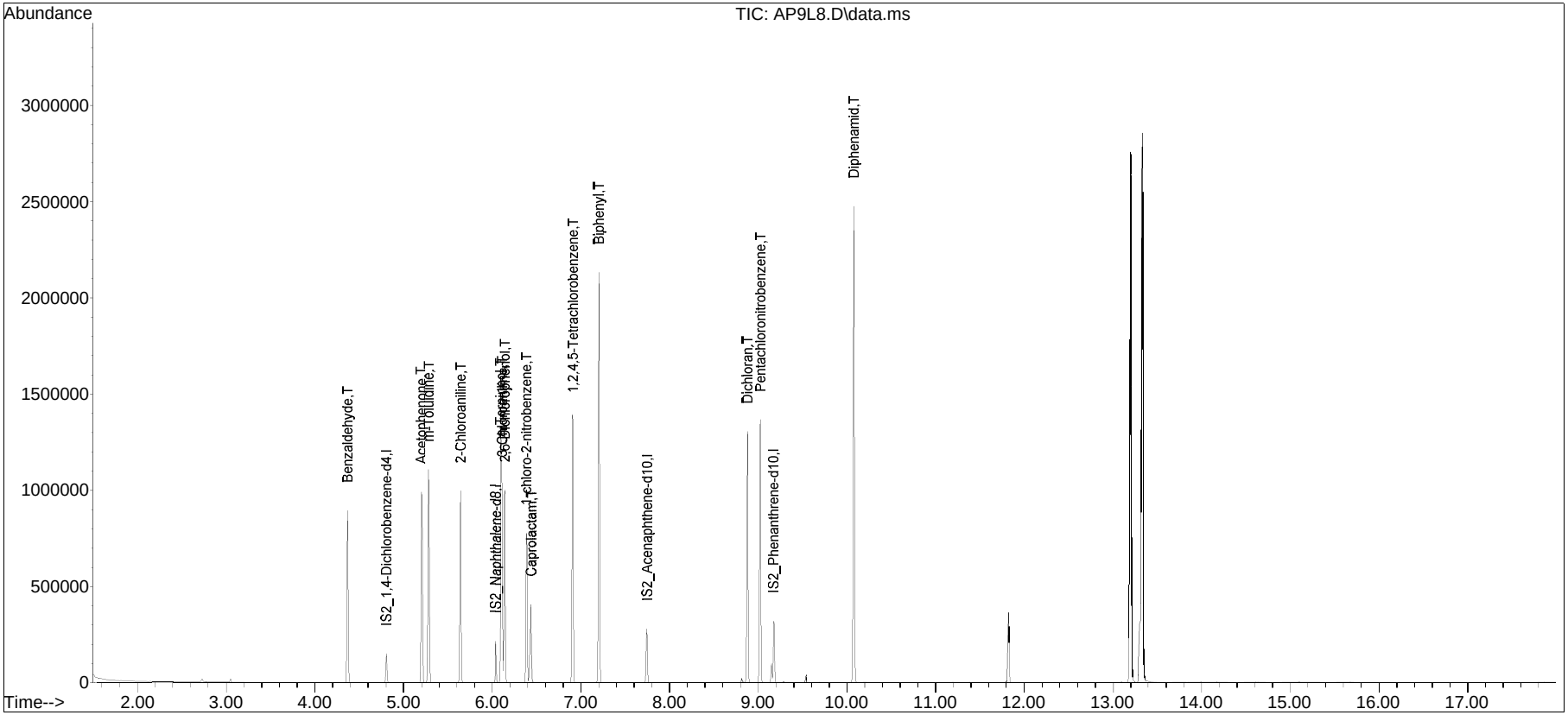
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L8.D
Acq On : 26 Jun 2024 12:10 am
Operator : SV112:mrg
Sample : IL3,32,,AP9L25 Lot# 10788
Misc : WG1939943
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 06:23:56 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:10 am	Instrument	: SV112
Sample	: IL3,32,,AP9L25 Lot# 10788	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20726	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.64%				
55) IS2_Naphthalene-d8	6.040	136	79494	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 97.00%				
83) IS2_Acenaphthene-d10	7.746	164	50641	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 97.77%				
98) IS2_Phenanthrene-d10	9.175	188	115182	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 97.48%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	60217	10.628	ug/ml		99
29) Acetophenone	5.199	105	106664	10.817	ug/ml		98
30) m-Toluidine	5.281	106	105202	11.105	ug/ml		97
31) 2-Chloroaniline	5.646	127	97569	10.811	ug/ml		99
56) a-Terpineol	6.093	59	59466	10.793	ug/ml		92
57) 3-Chloroaniline	6.105	65	31462	10.540	ug/ml		92
58) 2,6-Dichlorophenol	6.134	162	72744	11.222	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	32101	11.278	ug/ml		94
60) Caprolactam	6.422	55	34523	9.973	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	97989	10.290	ug/ml		97
62) Biphenyl	7.199	154	211768	10.382	ug/ml		97
84) Dichloran	8.869	206	28506	9.143	ug/ml	#	71
85) Pentachloronitrobenzene	9.022	237	31153	10.482	ug/ml	#	83
99) Diphenamid	10.081	167	166343	11.217	ug/ml		85

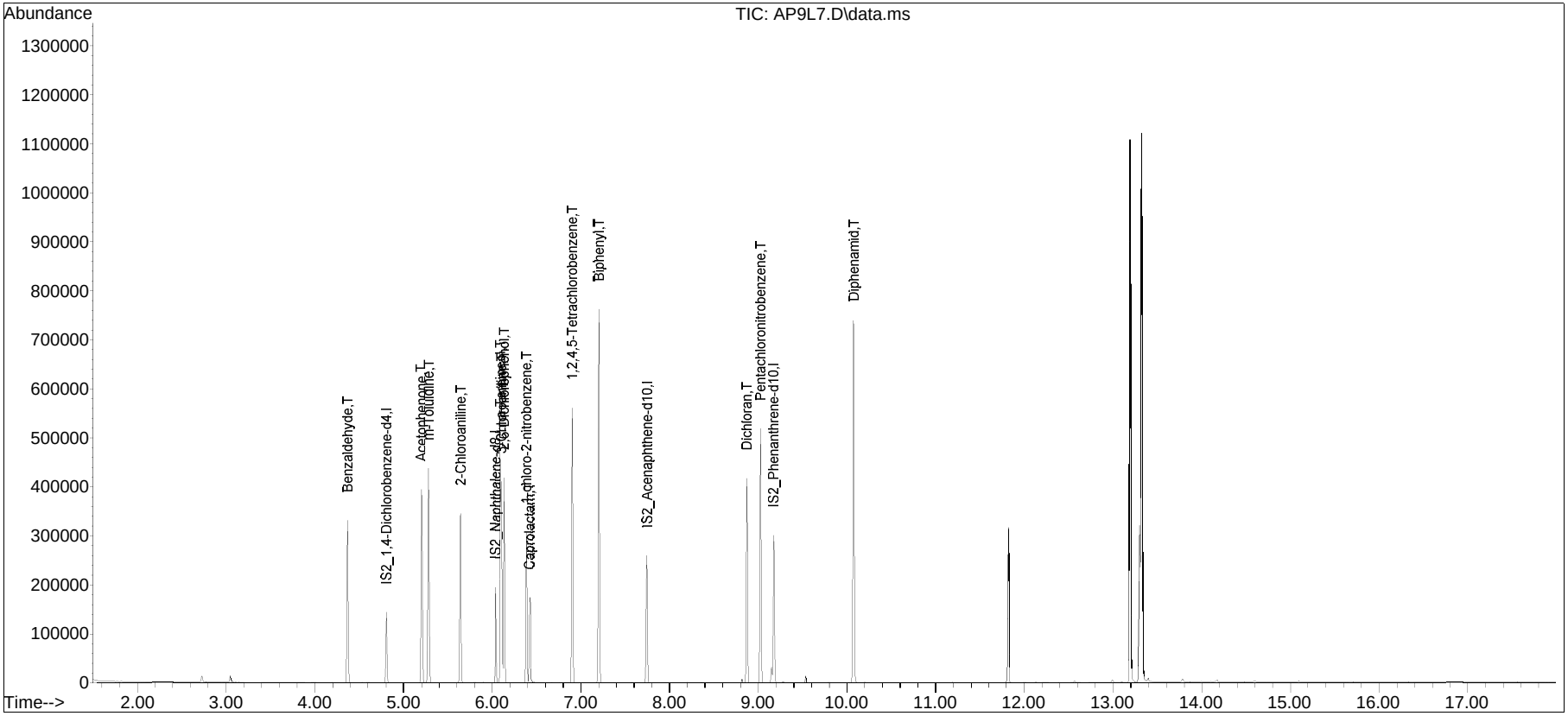
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L7.D
Acq On : 26 Jun 2024 12:33 am
Operator : SV112:mrg
Sample : IL4,32,,AP9L10 Lot# 10789
Misc : WG1939943
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 01 06:23:44 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:33 am	Instrument	: SV112
Sample	: IL4,32,,AP9L10 Lot# 10789	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	21226	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery =	100.00%			
55) IS2_Naphthalene-d8	6.040	136	81952	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery =	100.00%			
83) IS2_Acenaphthene-d10	7.746	164	51795	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery =	100.00%			
98) IS2_Phenanthrene-d10	9.175	188	118160	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery =	100.00%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	28710	4.948	ug/ml		98
29) Acetophenone	5.199	105	53018	5.250	ug/ml		97
30) m-Toluidine	5.281	106	50941	5.251	ug/ml		96
31) 2-Chloroaniline	5.646	127	47349	5.123	ug/ml		99
56) a-Terpineol	6.093	59	28592	5.034	ug/ml		92
57) 3-Chloroaniline	6.104	65	15255	4.957	ug/ml		89
58) 2,6-Dichlorophenol	6.134	162	34304	5.133	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	14944	5.093	ug/ml		96
60) Caprolactam	6.422	55	15831	4.695	ug/ml		90
61) 1,2,4,5-Tetrachloroben...	6.904	216	48563	4.947	ug/ml		97
62) Biphenyl	7.199	154	104269	4.958	ug/ml		97
84) Dichloran	8.869	206	12834	4.379	ug/ml	#	72
85) Pentachloronitrobenzene	9.022	237	14603	4.804	ug/ml	#	81
99) Diphenamid	10.075	167	78562	5.164	ug/ml		85

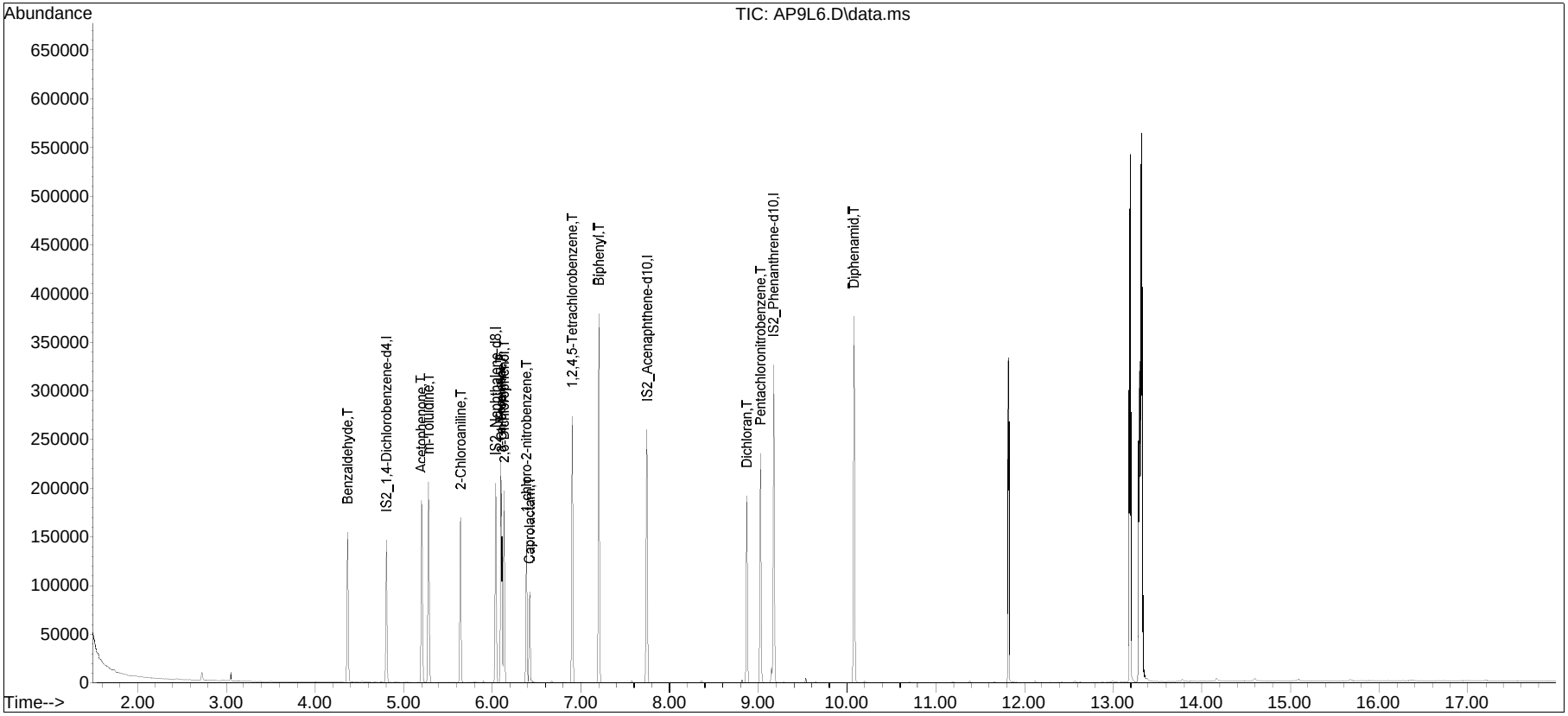
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L6.D
Acq On : 26 Jun 2024 12:56 am
Operator : SV112:mrg
Sample : IL5,32,,AP9L5 Lot# 10790
Misc : WG1939943
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 01 06:23:33 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 12:56 am	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 10790	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20752	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.77%			
55) IS2_Naphthalene-d8	6.040	136	79357	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 96.83%			
83) IS2_Acenaphthene-d10	7.746	164	48252	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 93.16%			
98) IS2_Phenanthrene-d10	9.175	188	111263	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 94.16%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	14171	2.498	ug/ml	100
29) Acetophenone	5.199	105	24703	2.502	ug/ml	97
30) m-Toluidine	5.281	106	23505	2.478	ug/ml	98
31) 2-Chloroaniline	5.646	127	22742	2.517	ug/ml	98
56) a-Terpineol	6.093	59	13091	2.380	ug/ml	90
57) 3-Chloroaniline	6.105	65	7093	2.380	ug/ml	90
58) 2,6-Dichlorophenol	6.134	162	15715	2.428	ug/ml#	89
59) 1-chloro-2-nitrobenzene	6.387	111	6601	2.323	ug/ml#	93
60) Caprolactam	6.416	55	6499	2.259	ug/ml#	88
61) 1,2,4,5-Tetrachloroben...	6.905	216	22878	2.407	ug/ml	95
62) Biphenyl	7.199	154	50391	2.475	ug/ml	98
84) Dichloran	8.869	206	5538	2.368	ug/ml#	70
85) Pentachloronitrobenzene	9.022	237	6418	2.266	ug/ml#	81
99) Diphenamid	10.075	167	34924	2.438	ug/ml	84

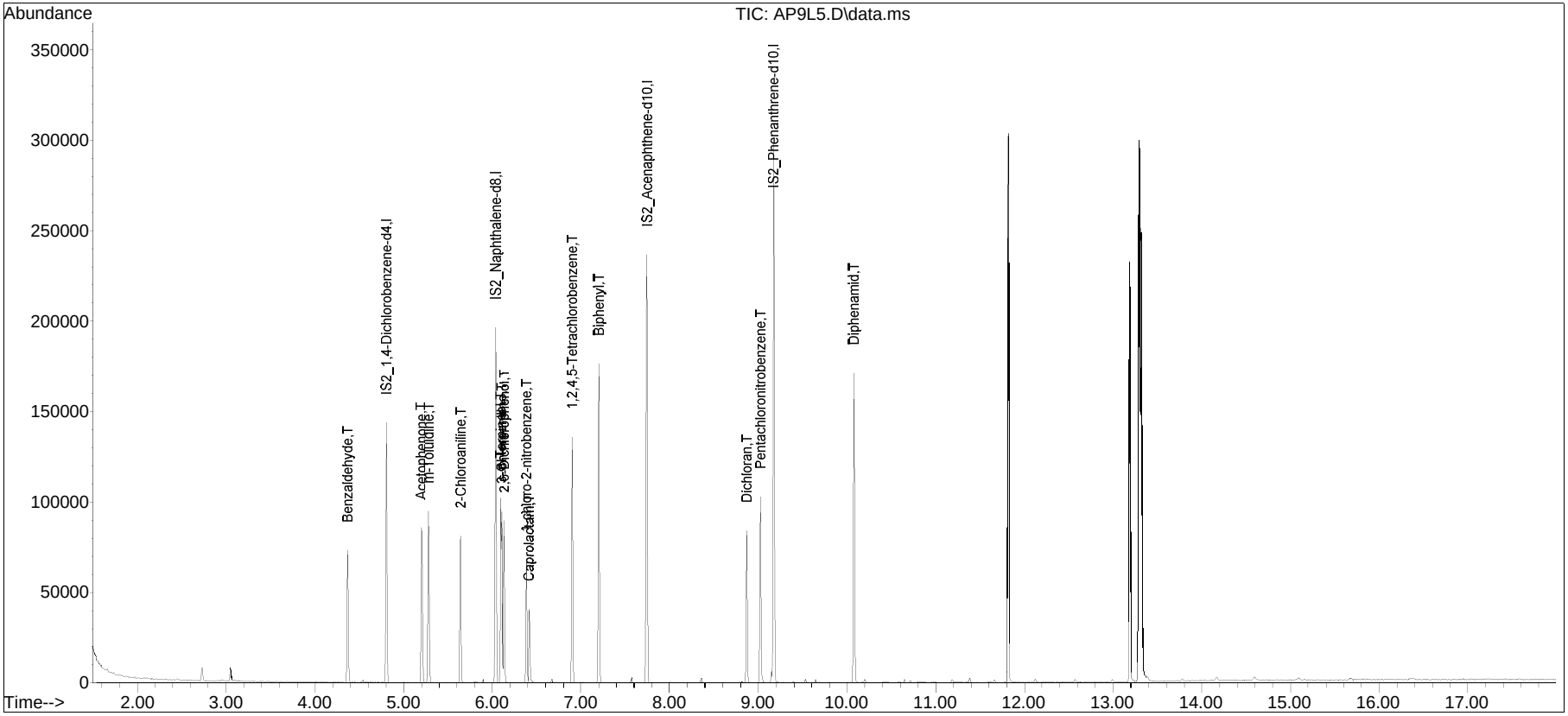
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L5.D
Acq On : 26 Jun 2024 01:19 am
Operator : SV112:mrg
Sample : IL6,32,,AP9L2.5 Lot# 10791
Misc : WG1939943
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jul 01 06:23:21 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:19 am	Instrument	: SV112
Sample	: IL6,32,,AP9L2.5 Lot# 10791	Quant Date	: 7/1/2024 6:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.805	152	20723	4.000	ug/ml	0.00
Standard Area 1 = 21226			Recovery = 97.63%			
55) IS2_Naphthalene-d8	6.040	136	76626	4.000	ug/ml	0.00
Standard Area 1 = 81952			Recovery = 93.50%			
83) IS2_Acenaphthene-d10	7.746	164	47603	4.000	ug/ml	0.00
Standard Area 1 = 51795			Recovery = 91.91%			
98) IS2_Phenanthrene-d10	9.175	188	108646	4.000	ug/ml	# 0.00
Standard Area 1 = 118160			Recovery = 91.95%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	4.369	105	5554	0.980	ug/ml	98
29) Acetophenone	5.205	105	9859	1.000	ug/ml	96
30) m-Toluidine	5.281	106	9225	0.974	ug/ml	98
31) 2-Chloroaniline	5.646	127	8758	0.971	ug/ml	99
56) a-Terpineol	6.093	59	5131	0.966	ug/ml	88
57) 3-Chloroaniline	6.105	65	2857	0.993	ug/ml	96
58) 2,6-Dichlorophenol	6.134	162	5787	0.926	ug/ml	90
59) 1-chloro-2-nitrobenzene	6.387	111	2799	1.020	ug/ml	94
60) Caprolactam	6.416	55	2412	1.156	ug/ml	91
61) 1,2,4,5-Tetrachloroben...	6.905	216	9645	1.051	ug/ml#	96
62) Biphenyl	7.199	154	20307	1.033	ug/ml	98
84) Dichloran	8.869	206	1907	1.239	ug/ml#	81
85) Pentachloronitrobenzene	9.022	237	2444	0.875	ug/ml#	82
99) Diphenamid	10.075	167	13800	0.987	ug/ml	85

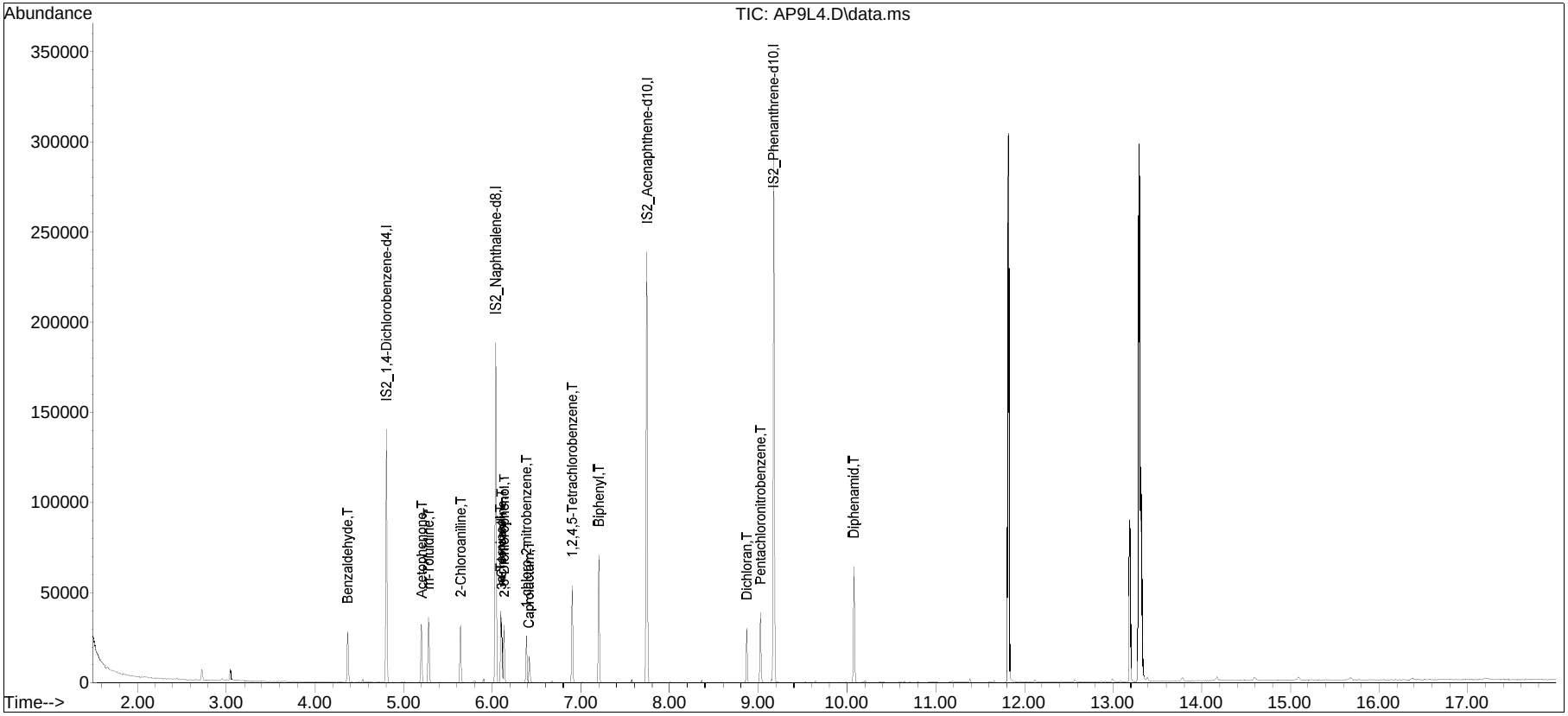
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L4.D
Acq On : 26 Jun 2024 01:43 am
Operator : SV112:mrg
Sample : IL7,32,,AP9L1 Lot# 10792
Misc : WG1939943
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jul 01 06:23:10 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L4.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 1:43 am	Instrument	: SV112
Sample	: IL7,32,,AP9L1 Lot# 10792	Quant Date	: 7/1/2024 6:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

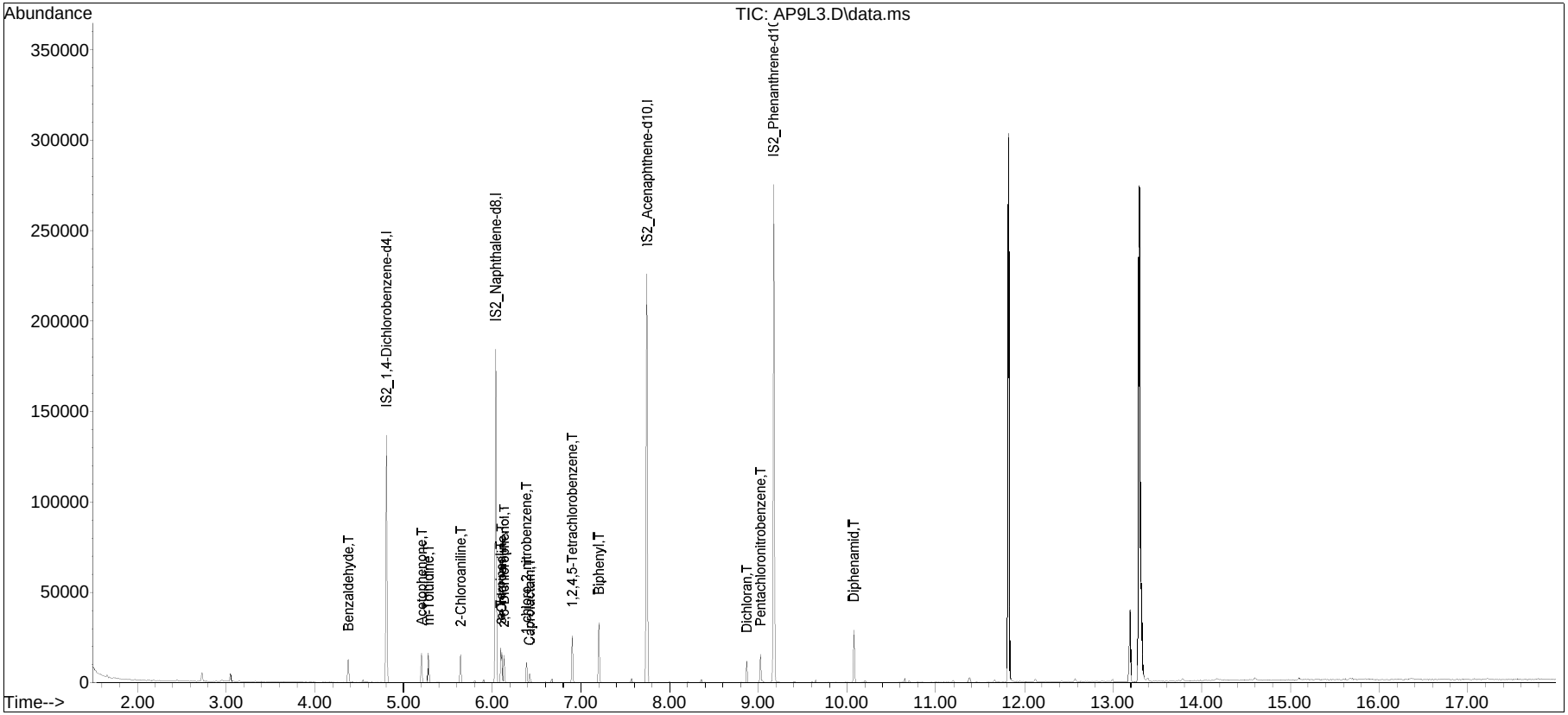
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20138	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.87%				
55) IS2_Naphthalene-d8	6.040	136	74008	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.31%				
83) IS2_Acenaphthene-d10	7.746	164	44694	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 86.29%				
98) IS2_Phenanthrene-d10	9.175	188	102142	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 86.44%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	2792	0.507	ug/ml		99
29) Acetophenone	5.205	105	4826	0.504	ug/ml		99
30) m-Toluidine	5.281	106	4468	0.485	ug/ml	#	92
31) 2-Chloroaniline	5.646	127	4442	0.507	ug/ml		94
56) a-Terpineol	6.093	59	2535	0.494	ug/ml		94
57) 3-Chloroaniline	6.105	65	1554	0.559	ug/ml		91
58) 2,6-Dichlorophenol	6.134	162	2827	0.468	ug/ml		93
59) 1-chloro-2-nitrobenzene	6.387	111	1322	0.499	ug/ml		95
60) Caprolactam	6.422	55	1062	0.781	ug/ml	#	62
61) 1,2,4,5-Tetrachloroben...	6.904	216	4650	0.525	ug/ml		98
62) Biphenyl	7.199	154	10080	0.531	ug/ml		98
84) Dichloran	8.869	206	871	0.928	ug/ml		81
85) Pentachloronitrobenzene	9.022	237	1116	0.425	ug/ml	#	76
99) Diphenamid	10.075	167	5974	0.454	ug/ml		86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L3.D
Acq On : 26 Jun 2024 02:06 am
Operator : SV112:mrg
Sample : IL8,32,,AP9L0.5 Lot# 10793
Misc : WG1939943
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 06:22:59 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9L3.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 2:06 am	Instrument	: SV112
Sample	: IL8,32,,AP9L0.5 Lot# 10793	Quant Date	: 7/1/2024 6:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	20613	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 97.11%				
55) IS2_Naphthalene-d8	6.040	136	75816	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 92.51%				
83) IS2_Acenaphthene-d10	7.746	164	46427	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 89.64%				
98) IS2_Phenanthrene-d10	9.175	188	106296	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 89.96%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	1252	0.222	ug/ml		91
29) Acetophenone	5.205	105	2044	0.208	ug/ml	#	82
30) m-Toluidine	5.287	106	1832	0.194	ug/ml	#	95
31) 2-Chloroaniline	5.646	127	1770	0.197	ug/ml	#	75
56) a-Terpineol	6.093	59	1050	0.200	ug/ml		96
57) 3-Chloroaniline	6.105	65	491M2	0.172	ug/ml		
58) 2,6-Dichlorophenol	6.134	162	1237	0.200	ug/ml		91
59) 1-chloro-2-nitrobenzene	6.387	111	528	0.194	ug/ml	#	63
60) Caprolactam	6.428	55	298M2	0.553	ug/ml		
61) 1,2,4,5-Tetrachloroben...	6.904	216	2043	0.225	ug/ml	#	89
62) Biphenyl	7.199	154	4391	0.226	ug/ml		99
84) Dichloran	8.869	206	316M2	0.736	ug/ml		
85) Pentachloronitrobenzene	9.022	237	492M2	0.181	ug/ml		
99) Diphenamid	10.075	167	2543	0.186	ug/ml		86

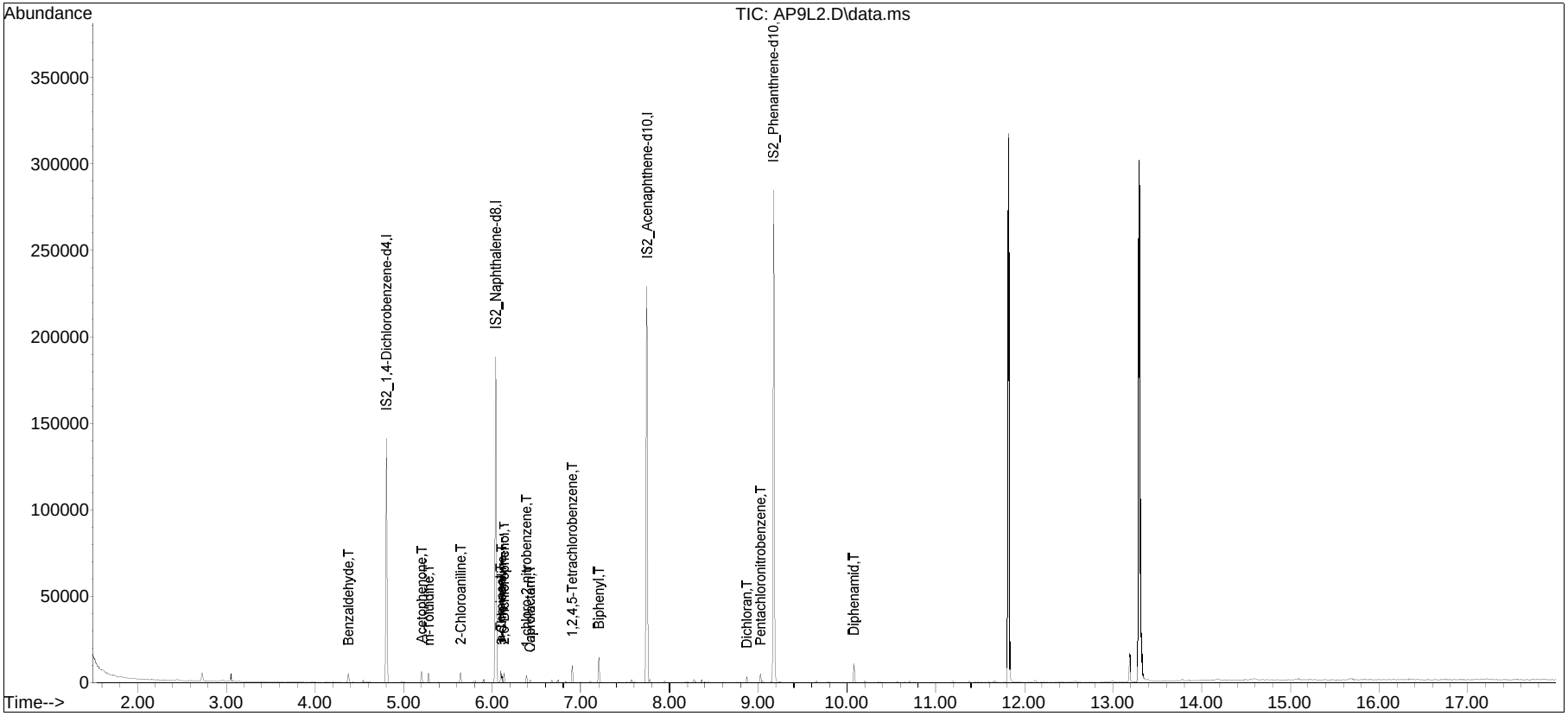
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L2.D
Acq On : 26 Jun 2024 02:29 am
Operator : SV112:mrg
Sample : IL9,32,,AP9L0.2 Lot# 10794
Misc : WG1939943
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 06:22:48 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

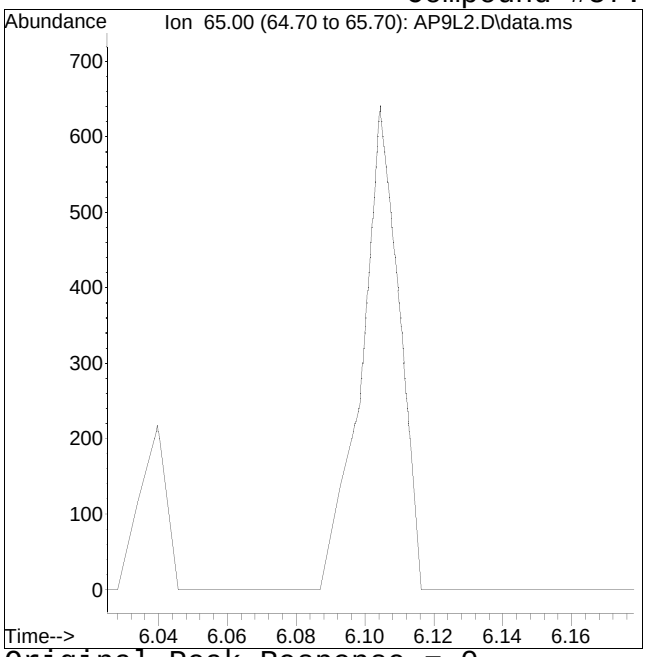
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



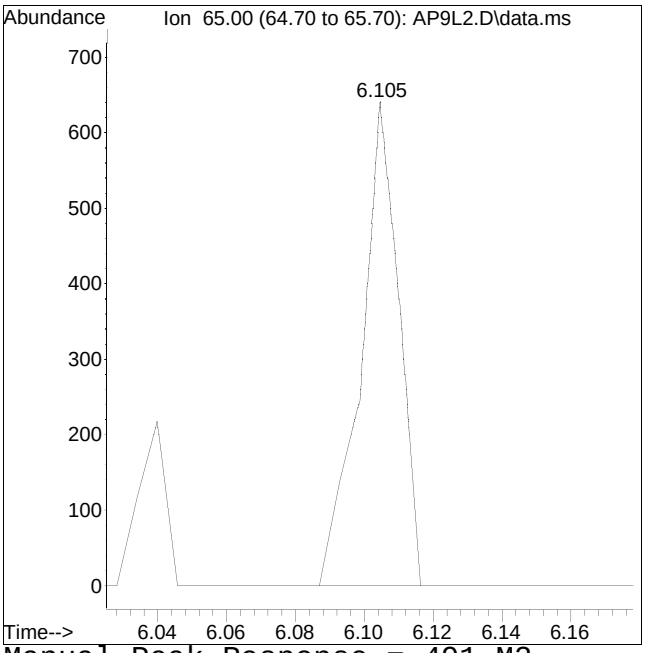
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



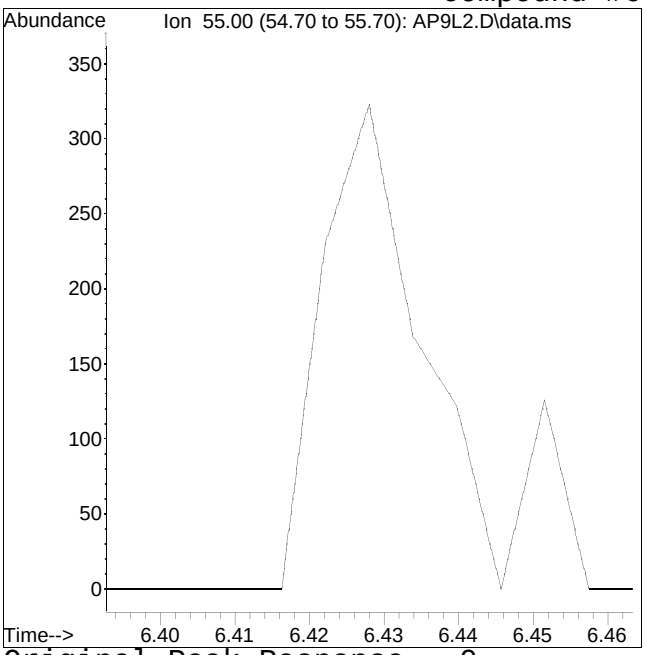
Manual Peak Response = 491 M2

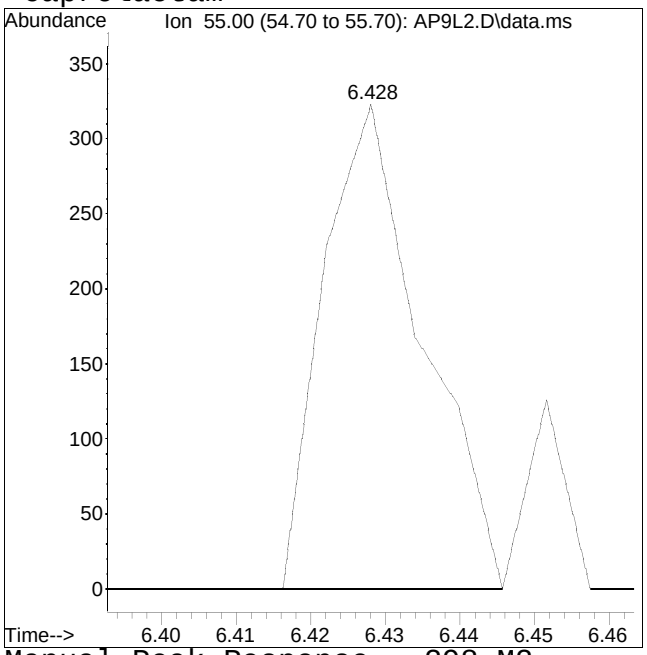
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



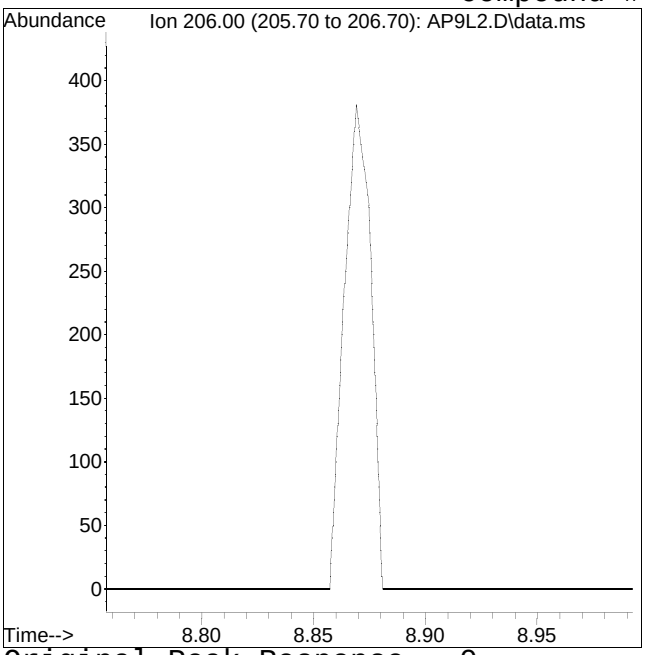


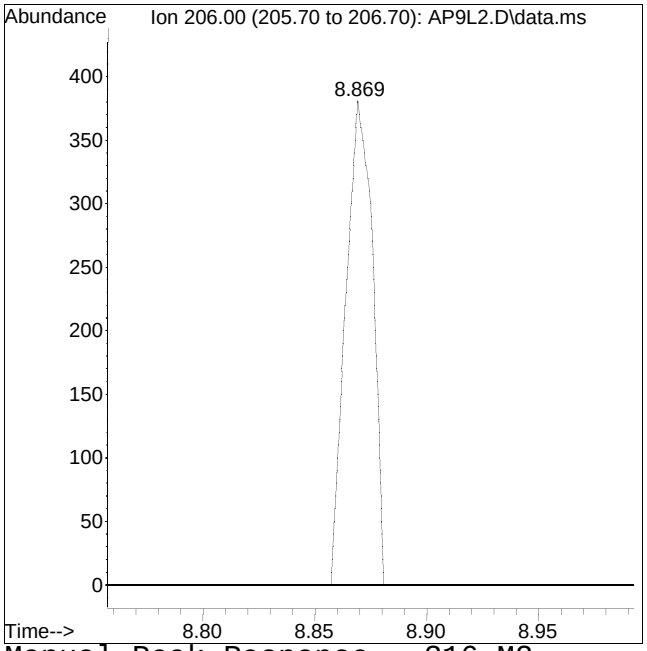
Original Peak Response = 0 Manual Peak Response = 298 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



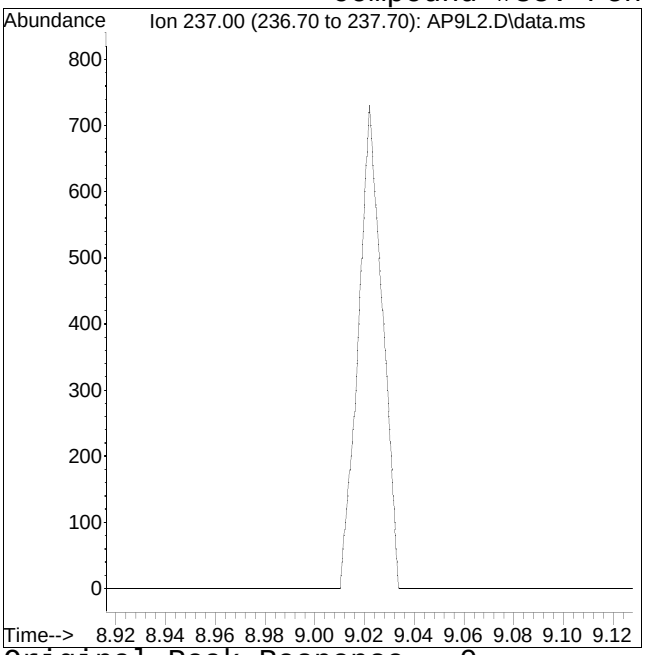


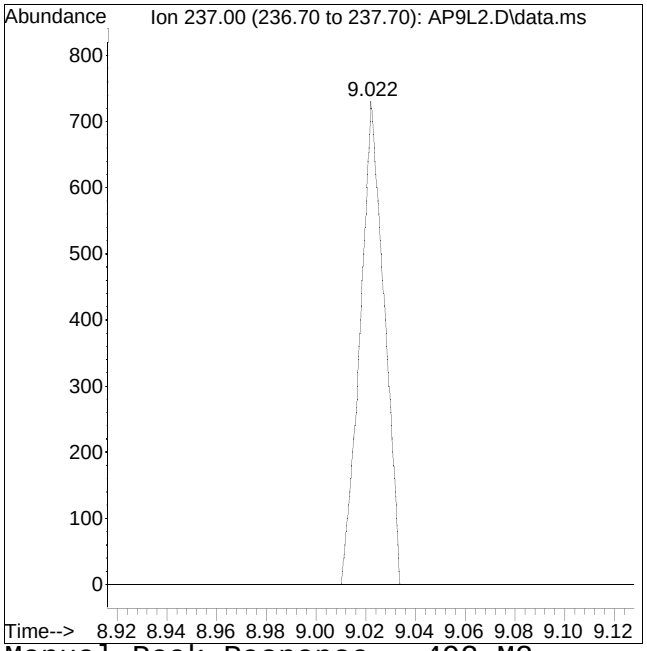
Original Peak Response = 0 Manual Peak Response = 316 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:29 am Instrument : SV112
Sample : IL9,32,,AP9L0.2 Lot# 10794Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 492 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19956	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 94.02%				
55) IS2_Naphthalene-d8	6.040	136	73801	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 90.05%				
83) IS2_Acenaphthene-d10	7.746	164	45325	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 87.51%				
98) IS2_Phenanthrene-d10	9.175	188	102570	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 86.81%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.375	105	519	0.095	ug/ml	#	2
29) Acetophenone	5.205	105	834	0.088	ug/ml	#	51
30) m-Toluidine	5.281	106	810	0.089	ug/ml	#	92
31) 2-Chloroaniline	5.646	127	845	0.097	ug/ml	#	46
56) a-Terpineol	6.093	59	497M3	0.097	ug/ml		
57) 3-Chloroaniline	6.104	65	198M2	0.071	ug/ml		
58) 2,6-Dichlorophenol	6.134	162	578	0.096	ug/ml	#	17
59) 1-chloro-2-nitrobenzene	6.387	111	209M2	0.079	ug/ml		
60) Caprolactam	6.428	55	106M2	0.498	ug/ml		
61) 1,2,4,5-Tetrachloroben...	6.904	216	888	0.100	ug/ml	#	87
62) Biphenyl	7.199	154	2021	0.107	ug/ml		93
84) Dichloran	8.869	206	167M2	0.689	ug/ml		
85) Pentachloronitrobenzene	9.022	237	200M2	0.075	ug/ml		
99) Diphenamid	10.075	167	1305	0.099	ug/ml		88

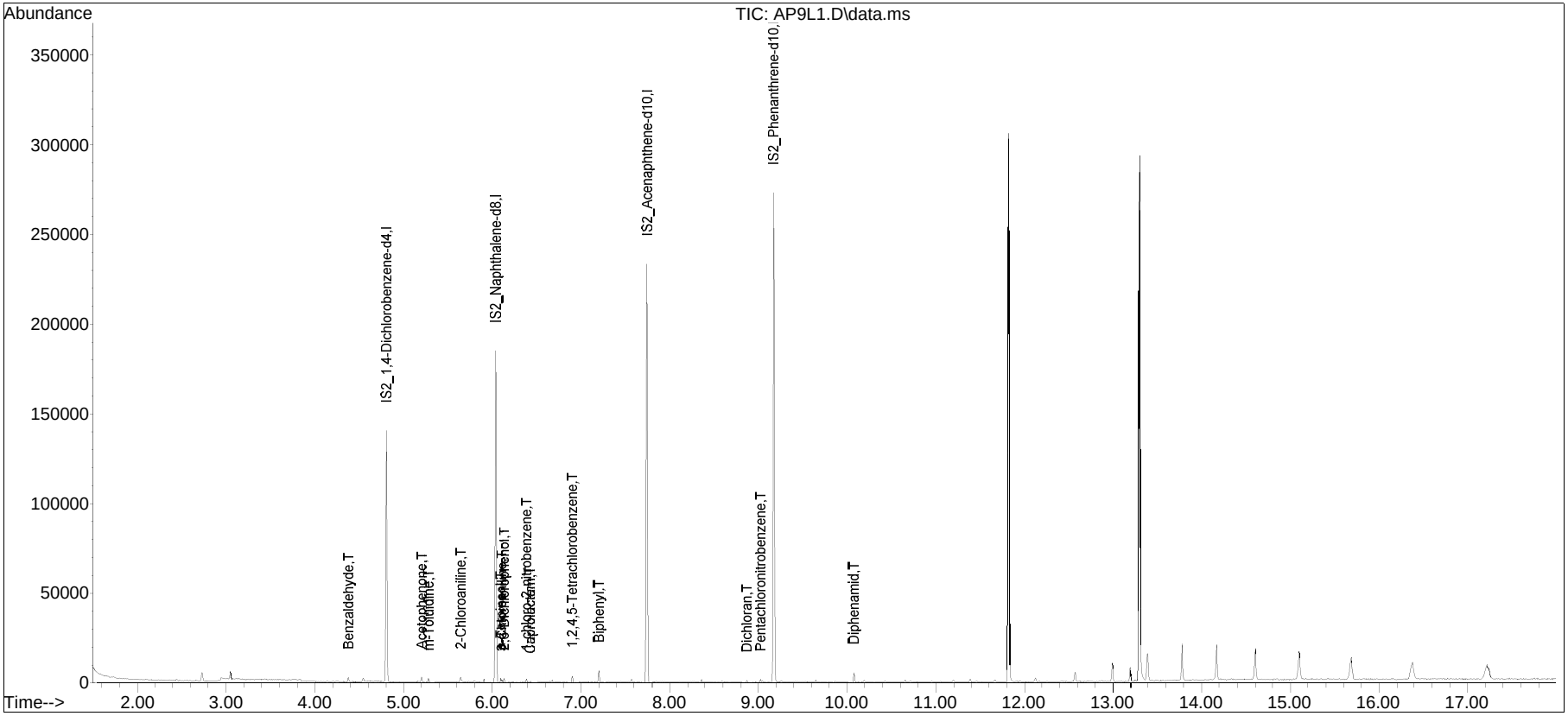
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9L1.D
Acq On : 26 Jun 2024 02:52 am
Operator : SV112:mrg
Sample : IL10,32,,AP9L0.1 Lot# 10795
Misc : WG1939943
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 06:22:37 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

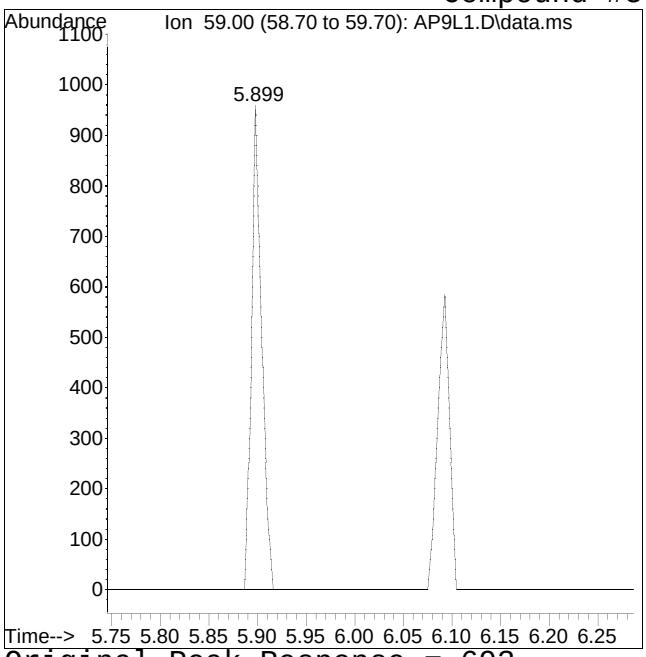
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

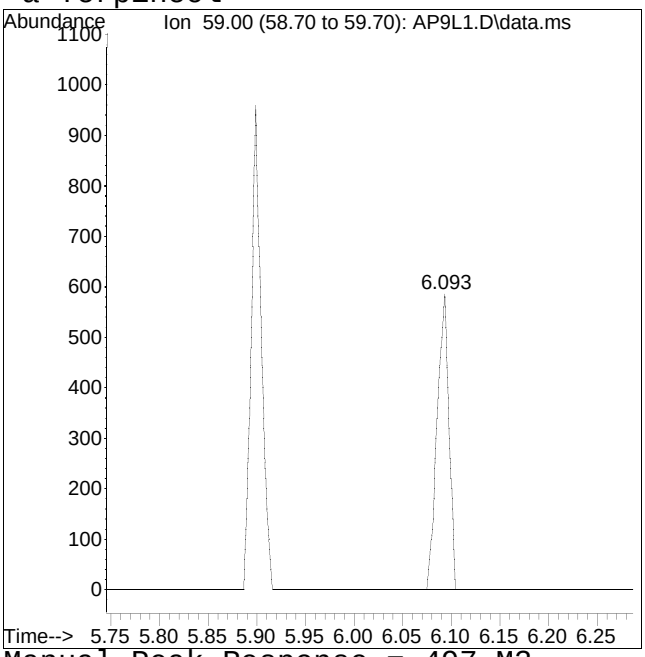


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #56: a-Terpineol





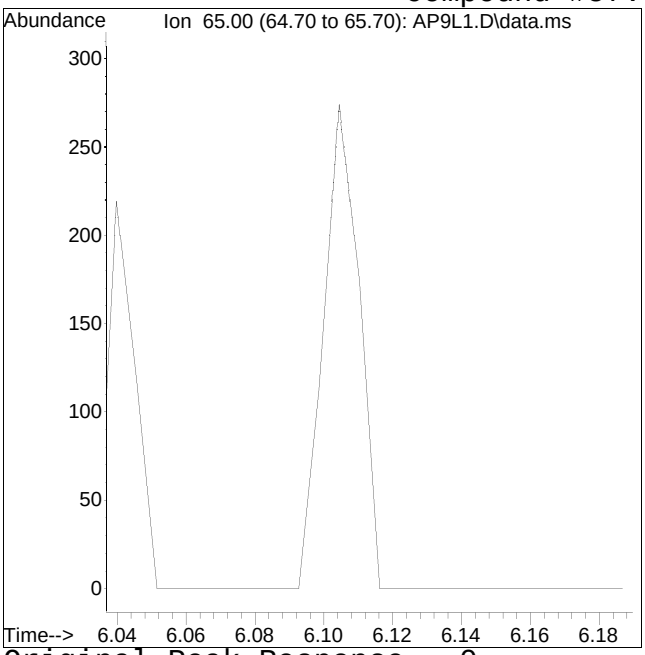
Original Peak Response = 693 Manual Peak Response = 497 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

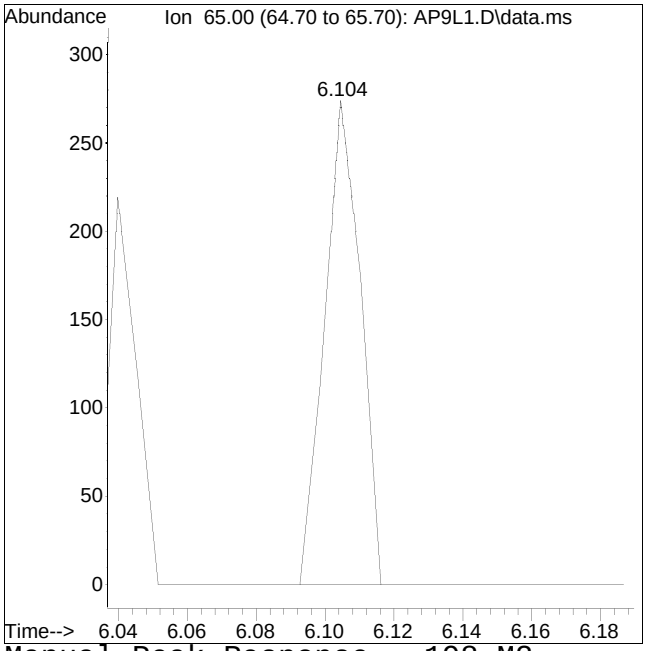
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #57: 3-Chloroaniline



Original Peak Response = 0



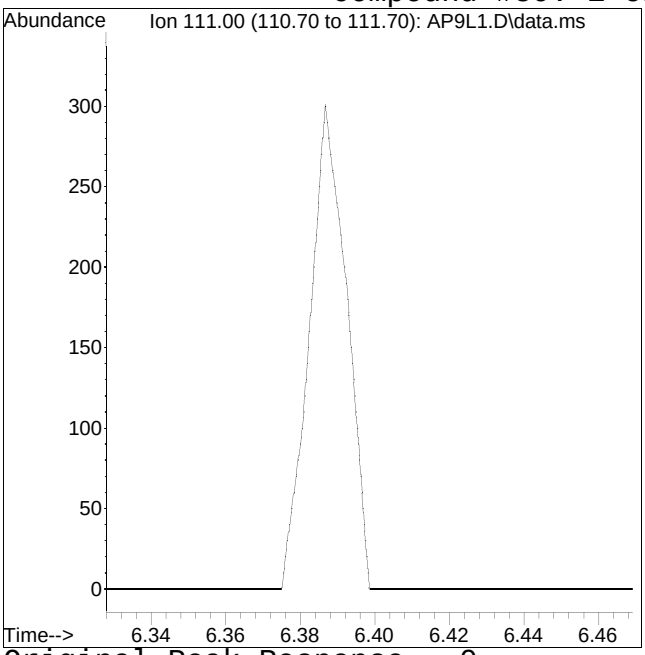
Manual Peak Response = 198 M2

M2 = Peak not found by automatic integration algorithm.

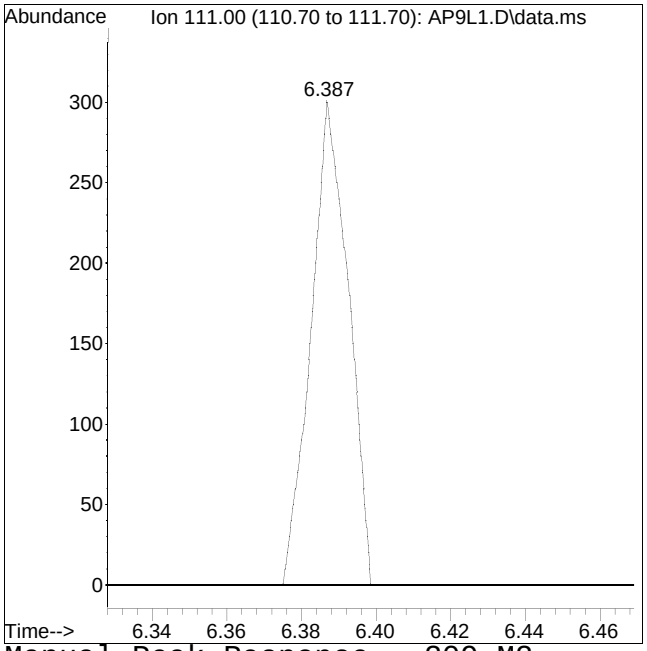
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



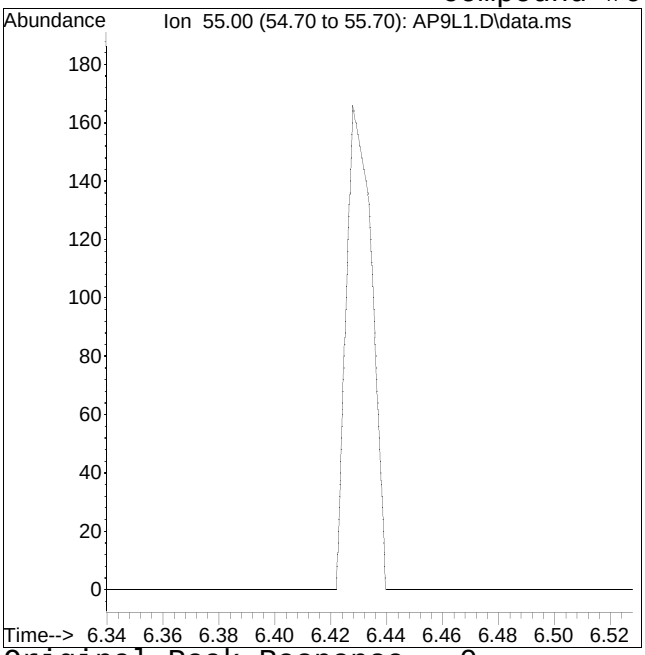
Manual Peak Response = 209 M2

M2 = Peak not found by automatic integration algorithm.

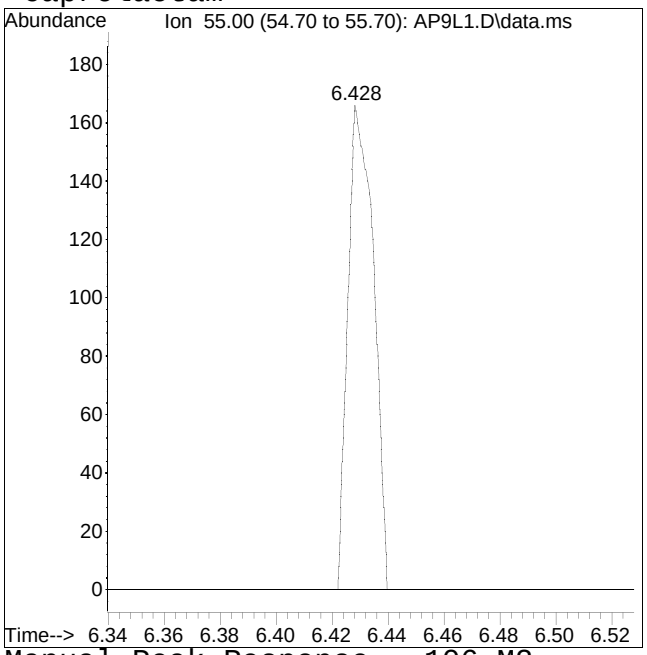
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #60: Caprolactam



Original Peak Response = 0



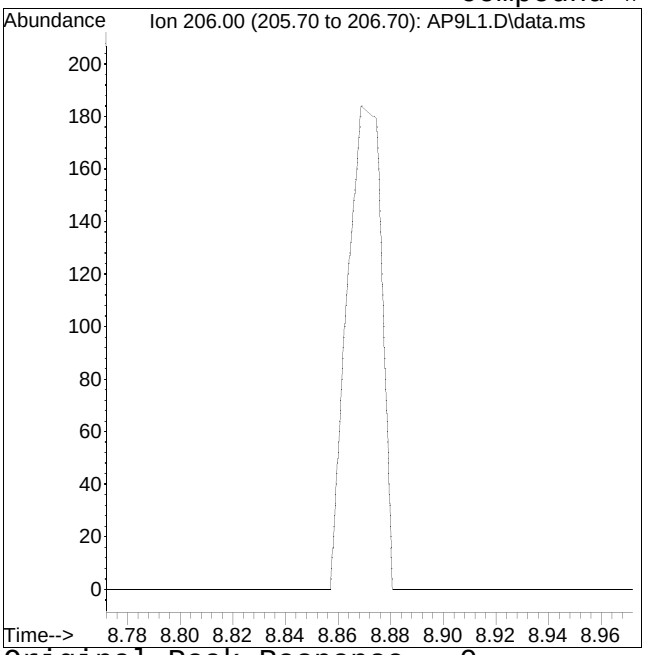
Manual Peak Response = 106 M2

M2 = Peak not found by automatic integration algorithm.

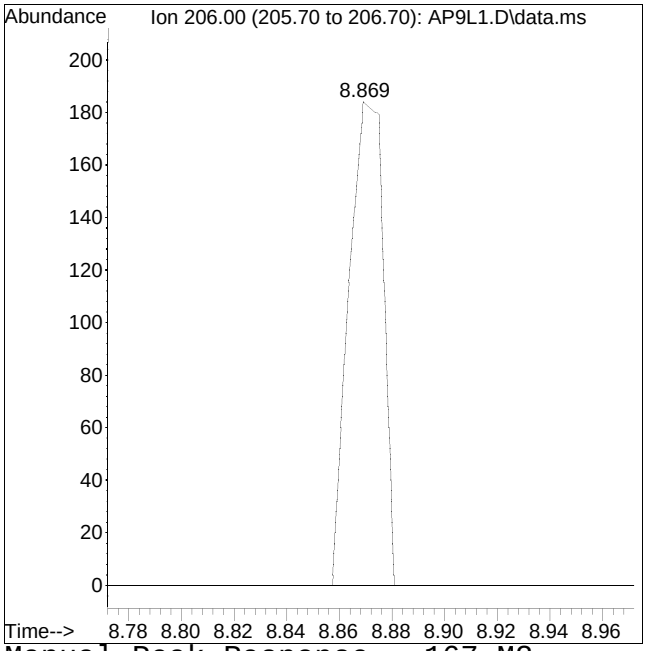
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #84: Dichloran



Original Peak Response = 0



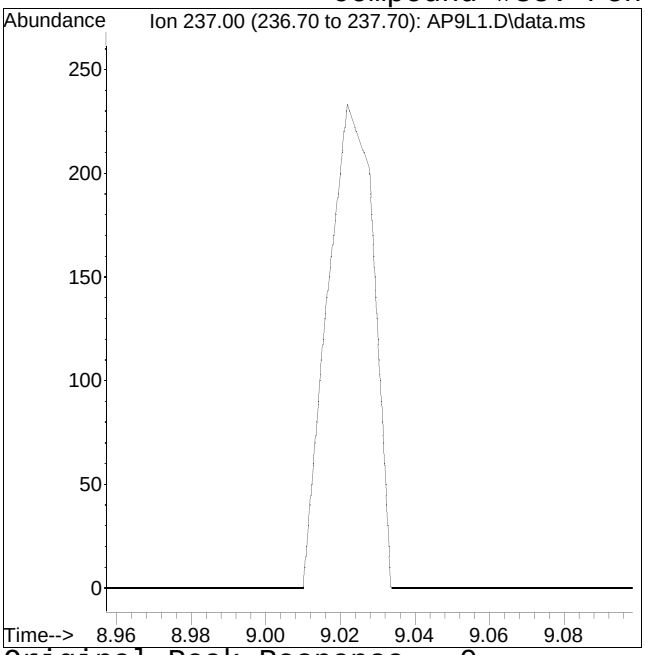
Manual Peak Response = 167 M2

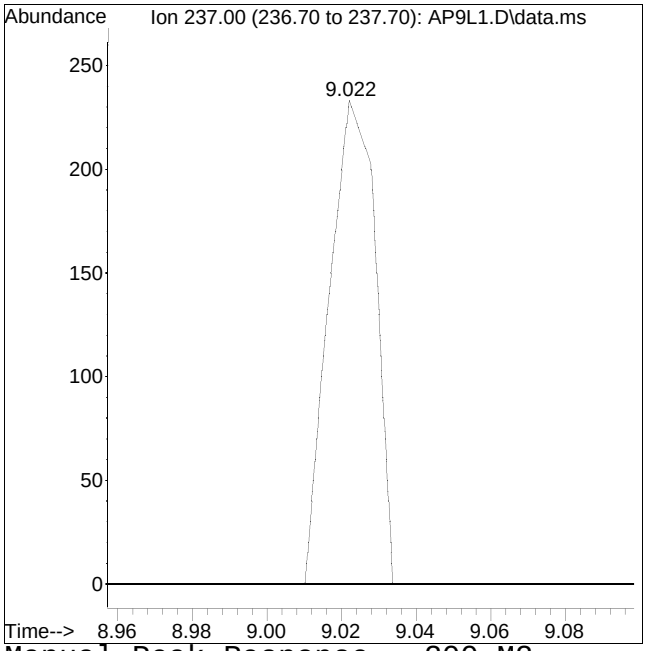
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : AP9L1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 2:52 am Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1079Quant Date : 7/1/2024 6:23 am

Compound #85: Pentachloronitrobenzene





Original Peak Response = 0 Manual Peak Response = 200 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	97	0.00
2	T	n-Nitrosodimethylamine		0.657	0.661	-0.6	90	-0.01
3	T	Pyridine		1.043	1.077	-3.3	88	-0.01
4	S	2-Fluorophenol		1.050	1.026	2.3	93	0.00
5	T	Aniline		1.811	1.708	5.7	94	0.00
6	T	2-Chlorophenol		1.251	1.194	4.6	94	0.00
7	S	Phenol-d6		1.357	1.302	4.1	92	0.00
8	T	Phenol		1.577	1.534	2.7	95	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.142	2.1	99	0.00
10	T	1,3-Dichlorobenzene		1.508	1.482	1.7	97	0.00
11	T	1,4-Dichlorobenzene		1.575	1.487	5.6	97	0.00
12	T	1,2-Dichlorobenzene		1.475	1.465	0.7	99	0.00
13	T	Benzyl alcohol		0.945	0.944	0.1	96	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.397	5.3	95	0.00
15	T	2-Methylphenol		1.056	1.030	2.5	95	0.00
16	T	Hexachloroethane		0.558	0.569	-2.0	102	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.810	6.4	93	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.135	1.3	94	0.00
19	S	Nitrobenzene-d5		1.294	1.185	8.4	89	0.00
20	T	Nitrobenzene		1.289	1.210	6.1	91	0.00
21	T	Isophorone		2.328	2.330	-0.1	100	0.00
22	T	2-Nitrophenol		0.574	0.531	7.5	90	0.00
23	T	2,4-Dimethylphenol		1.101	1.041	5.4	100	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.545	1.4	102	0.00
25	T	2,4-Dichlorophenol		1.153	1.150	0.3	99	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.370	6.2	100	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	98	0.00
36	T	Naphthalene		1.049	0.990	5.6	98	0.00
37	T	Benzoic Acid	*	5.000	4.283	14.3	88	0.00
38	T	4-Chloroaniline		0.118	0.117	0.8	98	0.00
39	T	Hexachlorobutadiene		0.246	0.232	5.7	101	0.00
40	T	p-Chloro-m-cresol		0.277	0.271	2.2	99	0.00
41	T	2-Methylnaphthalene		0.713	0.696	2.4	105	0.00
42	T	1-Methylnaphthalene		0.245	0.238	2.9	107	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.241	4.0	105	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.251	2.0	99	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.259	1.1	99	0.00
46	S	2-Fluorobiphenyl		0.904	0.878	2.9	105	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.715	5.8	101	0.00
48	T	2-Nitroaniline		0.200	0.192	4.0	99	0.00
49	T	1,4-Dinitrobenzene		0.098	0.097	1.0	101	0.00
50	T	1,3-Dinitrobenzene		0.114	0.111	2.6	99	0.00
51	T	Dimethyl phthalate		0.923	0.914	1.0	109	0.00
52	T	Acenaphthylene		1.120	1.152	-2.9	107	0.00
53	T	2,6-Dinitrotoluene		0.173	0.173	0.0	104	0.00
54	T	1,2-Dinitrobenzene		0.076	0.074	2.6	103	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	107	0.00
64	T	3-Nitroaniline		0.299	0.294	1.7	102	0.00
65	T	Acenaphthene		1.115	1.047	6.1	108	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.100	18.0	95	0.00
67	T	Dibenzofuran		1.837	1.720	6.4	107	0.00
68	T	2,4-Dinitrotoluene		0.383	0.366	4.4	101	0.00
69	T	4-Nitrophenol		0.290	0.243	16.2	91	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.381	-1.1	106	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.392	-5.9	115	0.00
72	T	Diethyl phthalate		1.487	1.433	3.6	115	0.00
73	T	Fluorene		1.431	1.369	4.3	109	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.710	9.0	110	0.00
75	T	4-Nitroaniline		0.314	0.320	-1.9	103	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.083	18.3	104	0.00
77	T	NDPA/DPA		1.231	1.176	4.5	110	0.00
78	T	Azobenzene		1.305	1.272	2.5	108	0.00
79	S	2,4,6-Tribromophenol		0.257	0.240	6.6	109	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.476	4.8	116	0.00
81	T	Hexachlorobenzene		0.628	0.576	8.3	117	0.00
82	T	Pentachlorophenol		0.322	0.304	5.6	108	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	113	0.00
89	T	Phenanthrene		1.058	1.001	5.4	111	0.00
90	T	Anthracene		1.035	1.011	2.3	114	0.00
91	T	Carbazole		0.948	0.936	1.3	111	0.00
92	T	Di-n-butylphthalate		1.034	1.067	-3.2	122	0.00
93	T	Fluoranthene		1.228	1.220	0.7	117	0.00
94	T	Benzidine		0.675	0.684	-1.3	110	0.00
95	T	Pyrene		1.301	1.332	-2.4	116	0.00
96	S	4-Terphenyl-d14		1.029	1.027	0.2	121	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.448	2.2	120	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	115	0.00
105	T	Benzo(a)anthracene	1.284	1.249	2.7	115	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.466	0.4	115	0.00
107	T	Chrysene	1.259	1.203	4.4	115	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.672	-5.2	127	0.00
109	T	Di-n-octylphthalate	0.979	1.043	-6.5	121	0.00
110	T	Benzo(b)fluoranthene	1.317	1.290	2.1	114	0.00
111	T	Benzo(k)fluoranthene	1.202	1.189	1.1	107	0.00
112	T	Benzo(a)pyrene	1.149	1.154	-0.4	113	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	109	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	1.029	8.0	98	0.00
115	T	Dibenzo(a,h)anthracene	1.068	1.071	-0.3	108	0.00
116	T	Benzo(ghi)perylene	1.078	0.996	7.6	103	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	4.805	152	20598	4.000 ug/ml	0.00
Standard Area 1 = 21265			Recovery = 96.86%		
35) IS1_Naphthalene-d8	6.040	136	80389	4.000 ug/ml	0.00
Standard Area 1 = 81706			Recovery = 98.39%		
63) IS1_Acenaphthene-d10	7.746	164	52787	4.000 ug/ml	0.00
Standard Area 1 = 49189			Recovery = 107.31%		
88) IS1_Phenanthrene-d10	9.175	188	116871	4.000 ug/ml	# 0.00
Standard Area 1 = 103858			Recovery = 112.53%		
104) IS1_Chrysene-d12	11.822	240	127855	4.000 ug/ml	# 0.00
Standard Area 1 = 111228			Recovery = 114.95%		
113) IS1_Perylene-d12	13.298	264	143710	4.000 ug/ml	0.00
Standard Area 1 = 131396			Recovery = 109.37%		
System Monitoring Compounds					
4) 2-Fluorophenol	3.534	112	26417	4.884 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 244.20%#		
7) Phenol-d6	4.475	99	33525	4.799 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.95%#		
19) Nitrobenzene-d5	5.340	82	30499	4.577 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 457.70%#		
46) 2-Fluorobiphenyl	7.105	172	88237	4.854 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 485.40%#		
79) 2,4,6-Tribromophenol	8.510	330	15837	4.674 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 233.70%#		
96) 4-Terphenyl-d14	10.757	244	150090	4.993 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 499.30%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.164	74	17024	5.031 ug/ml	96
3) Pyridine	2.199	79	27737	5.166 ug/ml	84
5) Aniline	4.481	93	43964	4.715 ug/ml#	50
6) 2-Chlorophenol	4.599	128	30731	4.772 ug/ml	93
8) Phenol	4.487	94	39494	4.864 ug/ml#	48
9) Bis(2-chloroethyl)ether	4.564	93	29416	4.894 ug/ml	95
10) 1,3-Dichlorobenzene	4.746	146	38166	4.914 ug/ml	96
11) 1,4-Dichlorobenzene	4.822	146	38281	4.721 ug/ml	97
12) 1,2-Dichlorobenzene	4.969	146	37717	4.965 ug/ml	96
13) Benzyl alcohol	4.952	79	24307	4.997 ug/ml	96
14) Bis(2-chloroisopropyl)...	5.093	45	35963	4.736 ug/ml#	55

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Methylphenol	5.075	108	26511	4.873	ug/ml	97
16) Hexachloroethane	5.299	117	14641	5.098	ug/ml#	69
17) n-Nitrosodi-n-propylamine	5.216	70	20852	4.680	ug/ml	99
18) 3-Methylphenol/4-Methy...	5.234	108	29223	4.933	ug/ml	97
20) Nitrobenzene	5.358	77	31148	4.691	ug/ml	99
21) Isophorone	5.599	82	59999	5.005	ug/ml	99
22) 2-Nitrophenol	5.675	139	13664	4.620	ug/ml	97
23) 2,4-Dimethylphenol	5.746	107	26791	4.724	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.834	93	39785	4.930	ug/ml	99
25) 2,4-Dichlorophenol	5.916	162	29599	4.986	ug/ml#	94
26) 1,2,4-Trichlorobenzene	5.993	180	35281	4.693	ug/ml	96
36) Naphthalene	6.058	128	99432	4.718	ug/ml	99
37) Benzoic Acid	5.816	105	14641	4.283	ug/ml	95
38) 4-Chloroaniline	6.122	65	11724	4.950	ug/ml	91
39) Hexachlorobutadiene	6.210	225	23300	4.717	ug/ml	97
40) p-Chloro-m-cresol	6.616	107	27216	4.891	ug/ml	93
41) 2-Methylnaphthalene	6.740	142	69923	4.879	ug/ml	98
42) 1-Methylnaphthalene	6.828	115	23877	4.844	ug/ml	98
43) Hexachlorocyclopentadiene	6.910	237	24201	4.800	ug/ml	98
44) 2,4,6-Trichlorophenol	7.022	196	25194	4.888	ug/ml	99
45) 2,4,5-Trichlorophenol	7.052	196	25978	4.926	ug/ml	99
47) 2-Chloronaphthalene	7.205	162	71799	4.710	ug/ml	94
48) 2-Nitroaniline	7.310	138	19285	4.788	ug/ml	89
49) 1,4-Dinitrobenzene	7.440	168	9774	4.947	ug/ml	83
50) 1,3-Dinitrobenzene	7.516	168	11190	4.884	ug/ml	89
51) Dimethyl phthalate	7.510	163	91883	4.955	ug/ml	100
52) Acenaphthylene	7.605	152	115716	5.142	ug/ml	98
53) 2,6-Dinitrotoluene	7.557	165	17365	5.007	ug/ml	92
54) 1,2-Dinitrobenzene	7.599	168	7435	4.870	ug/ml#	1
64) 3-Nitroaniline	7.710	138	19395	4.919	ug/ml	93
65) Acenaphthene	7.775	154	69117	4.699	ug/ml	97
66) 2,4-Dinitrophenol	7.810	184	8557	4.100	ug/ml#	83
67) Dibenzofuran	7.946	168	113504	4.682	ug/ml	93
68) 2,4-Dinitrotoluene	7.940	165	24166	4.777	ug/ml	93
69) 4-Nitrophenol	7.310	65	16049	4.201	ug/ml#	10
70) 2,3,5,6-Tetrachlorophenol	8.034	232	25150	5.061	ug/ml	99
71) 2,3,4,6-Tetrachlorophenol	8.075	232	25875	5.300	ug/ml	98
72) Diethyl phthalate	8.199	149	94549	4.820	ug/ml	96
73) Fluorene	8.275	166	90363	4.786	ug/ml	98
74) 4-Chlorophenyl phenyl ...	8.293	204	46843	4.553	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
Misc : WG1939943
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 30 14:26:09 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ABNL6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.299	138	21133	5.094	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.334	198	13091	4.083	ug/ml#	74
77)	NDPA/DPA	8.404	169	77598	4.778	ug/ml	95
78)	Azobenzene	8.440	77	83945	4.874	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.763	248	31429	4.768	ug/ml#	82
81)	Hexachlorobenzene	8.816	284	37993	4.587	ug/ml#	84
82)	Pentachlorophenol	9.010	266	20072	4.720	ug/ml	99
89)	Phenanthrene	9.199	178	146237	4.730	ug/ml	99
90)	Anthracene	9.252	178	147689	4.883	ug/ml	99
91)	Carbazole	9.416	167	136779	4.939	ug/ml	98
92)	Di-n-butylphthalate	9.799	149	155812	5.157	ug/ml	100
93)	Fluoranthene	10.357	202	178241M3	4.969	ug/ml	
94)	Benzidine	10.504	184	99975	5.069	ug/ml#	96
95)	Pyrene	10.575	202	194546	5.116	ug/ml	99
97)	Butyl benzyl phthalate	11.281	149	65418	4.894	ug/ml	93
105)	Benzo(a)anthracene	11.816	228	199667	4.863	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.810	252	74502	4.982	ug/ml#	97
107)	Chrysene	11.851	228	192294	4.778	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.916	149	107331	5.257	ug/ml#	98
109)	Di-n-octylphthalate	12.598	149	166682	5.328	ug/ml	97
110)	Benzo(b)fluoranthene	12.922	252	206155	4.896	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	190009M3	4.944	ug/ml	
112)	Benzo(a)pyrene	13.240	252	184465	5.021	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	184779M6	4.599	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	192344	5.012	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	178871	4.619	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ABNICV.D
Acq On : 26 Jun 2024 03:16 am
Operator : SV112:mrg
Sample : CQICV1,32,,ABNICV Lot# 10805
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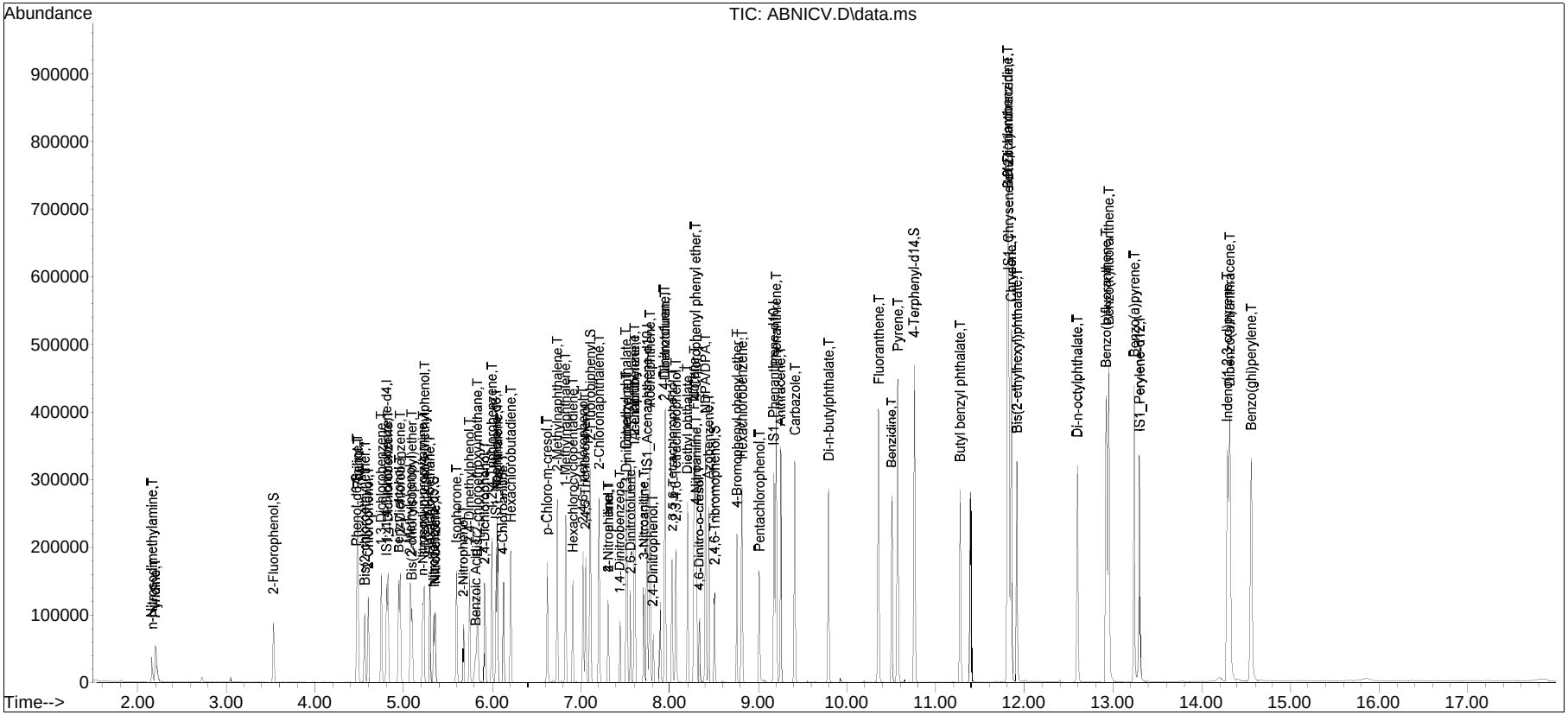
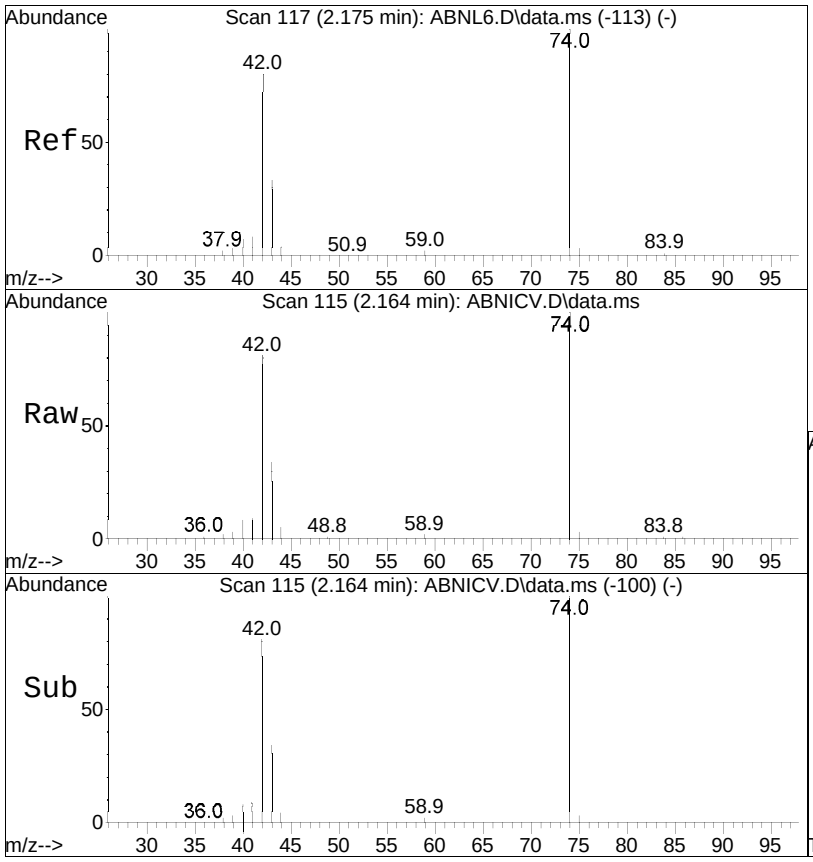
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:26:59 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

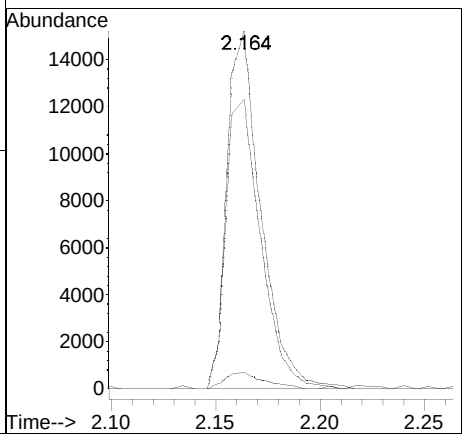


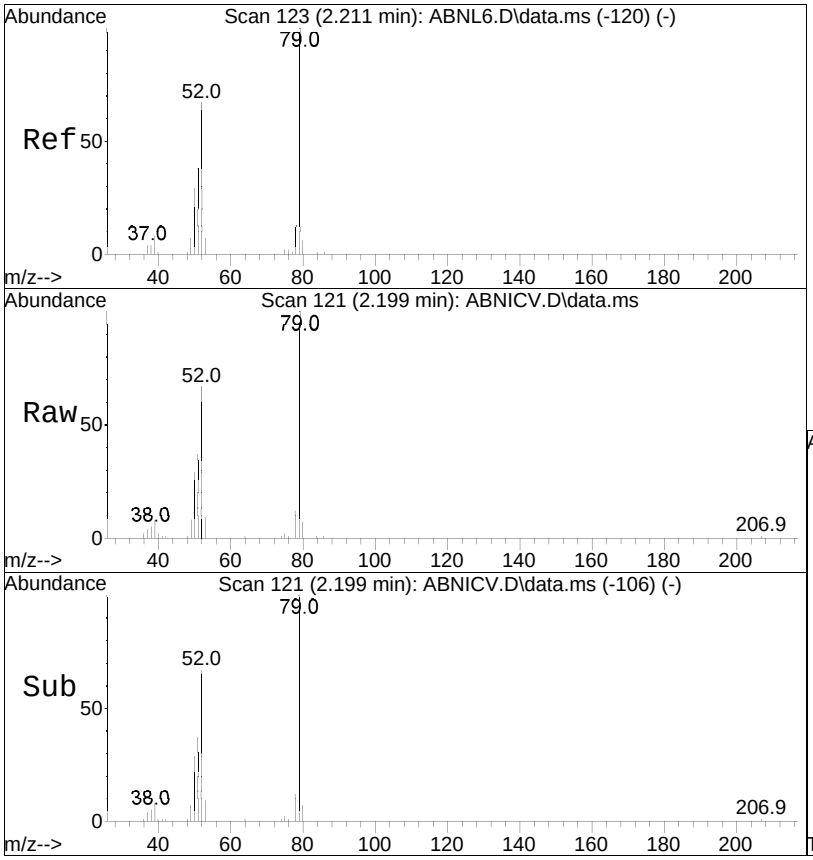


#2
n-Nitrosodimethylamine
Concen: 5.03 ug/ml
RT: 2.164 min Scan# 115
Delta R.T. -0.011 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 74 Resp: 17024

Ion	Ratio	Lower	Upper
74	100		
42	83.3	63.8	95.8
44	5.5	4.3	6.5

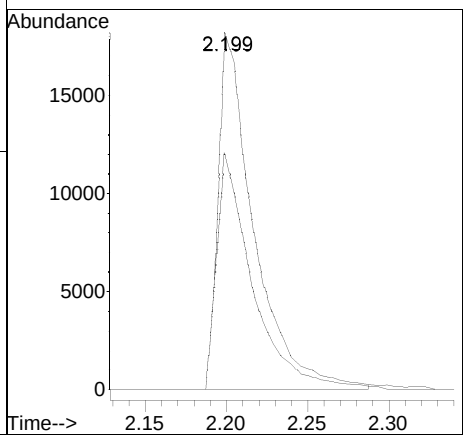


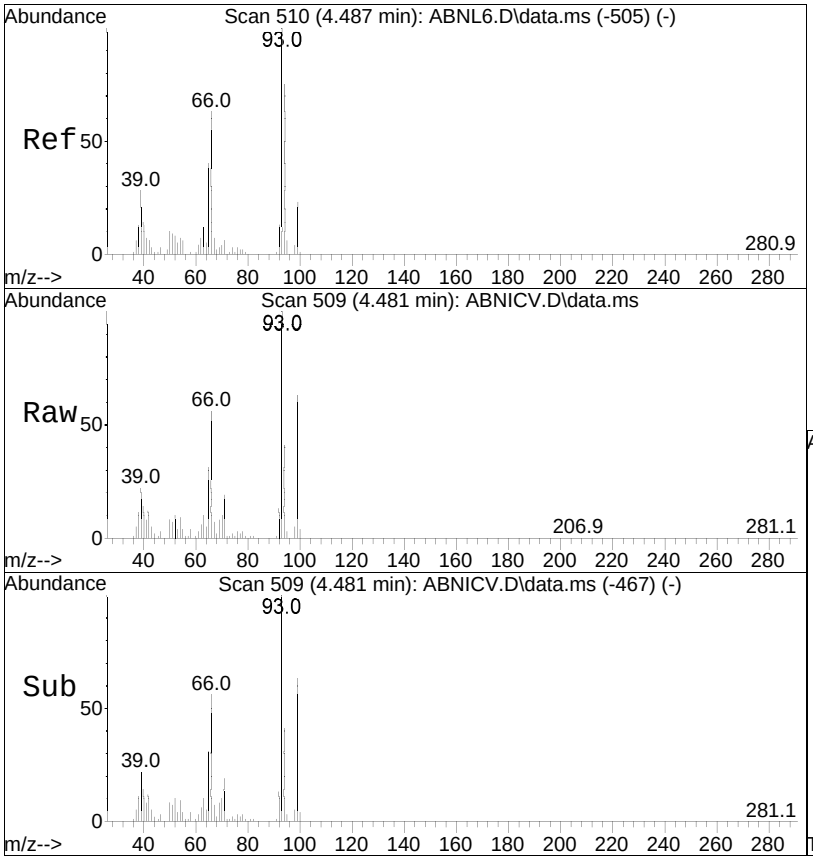


#3
Pyridine
Concen: 5.17 ug/ml
RT: 2.199 min Scan# 121
Delta R.T. -0.012 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 27737

Ion	Ratio	Lower	Upper
79	100		
52	66.5	64.6	96.8

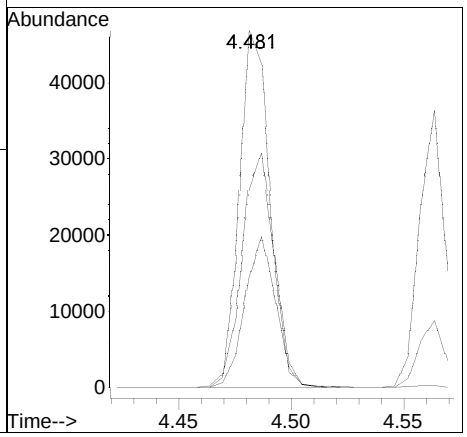


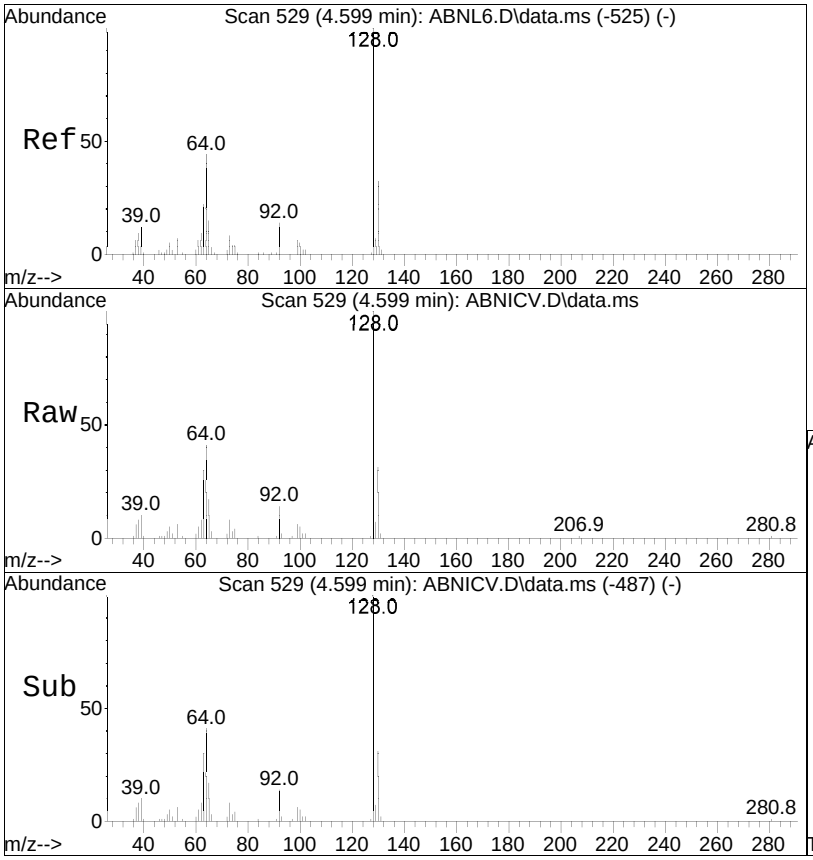


#5
Aniline
Concen: 4.71 ug/ml
RT: 4.481 min Scan# 509
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 43964

Ion	Ratio	Lower	Upper
93	100		
66	70.6	31.3	46.9#
65	43.3	16.6	25.0#

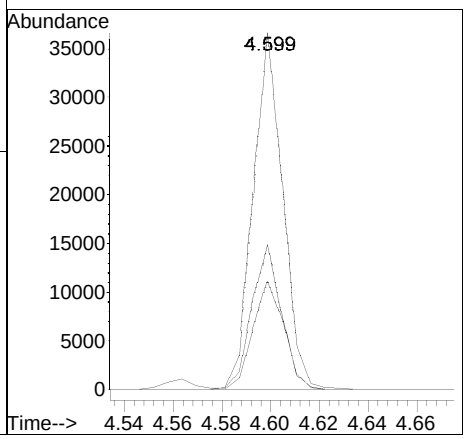


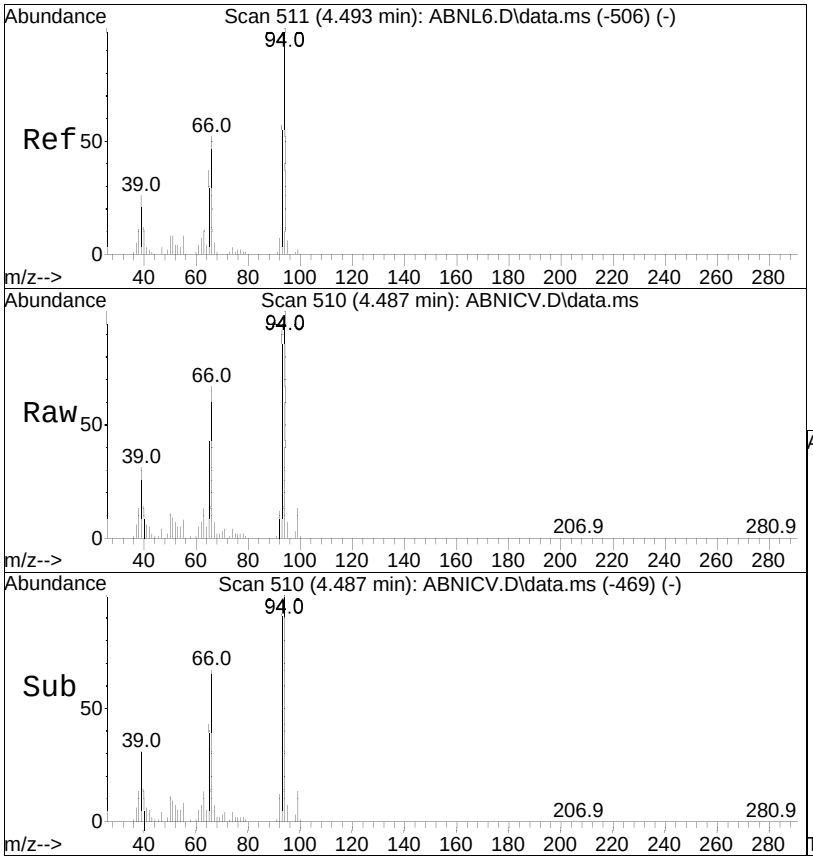


#6
2-Chlorophenol
Concen: 4.77 ug/ml
RT: 4.599 min Scan# 529
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 30731

Ion	Ratio	Lower	Upper
128	100		
64	40.6	38.2	57.4
130	31.9	26.2	39.2

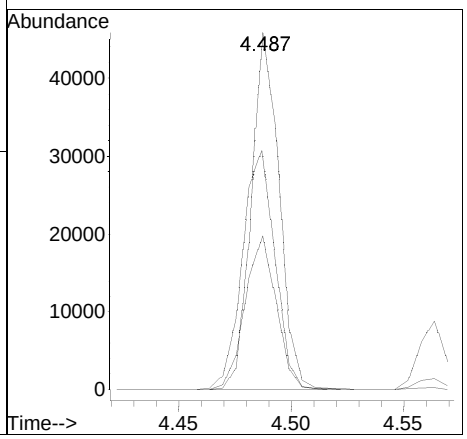


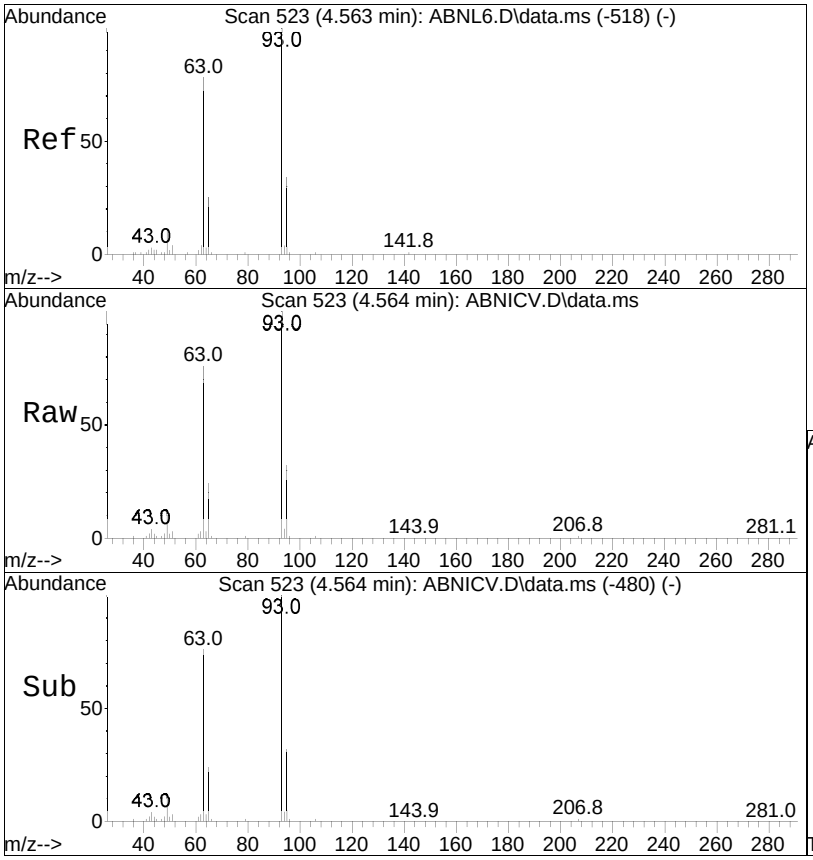


#8
Phenol
Concen: 4.86 ug/ml
RT: 4.487 min Scan# 510
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 94 Resp: 39494

Ion	Ratio	Lower	Upper
94	100		
65	48.2	23.0	34.6#
66	78.6	32.1	48.1#

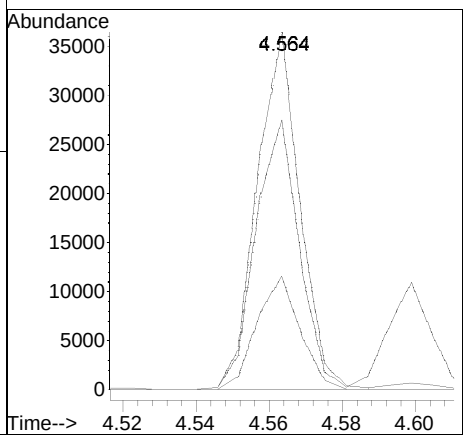


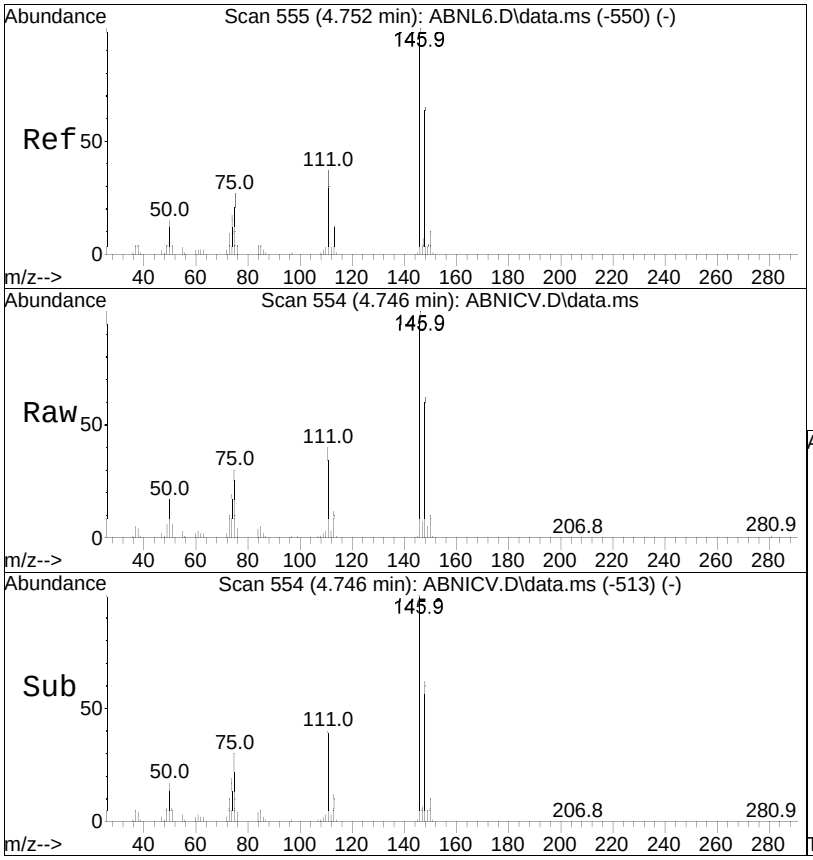


#9
Bis(2-chloroethyl)ether
Concen: 4.89 ug/ml
RT: 4.564 min Scan# 523
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 29416

Ion	Ratio	Lower	Upper
93	100		
63	77.3	67.0	100.4
95	32.2	26.1	39.1

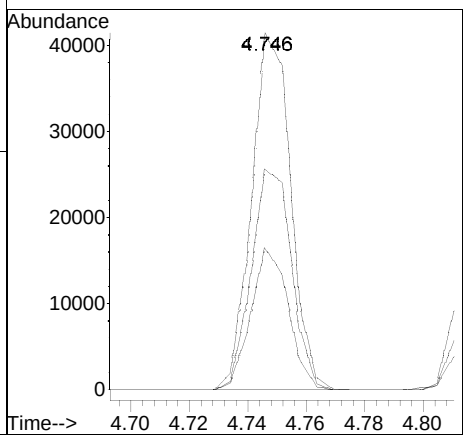


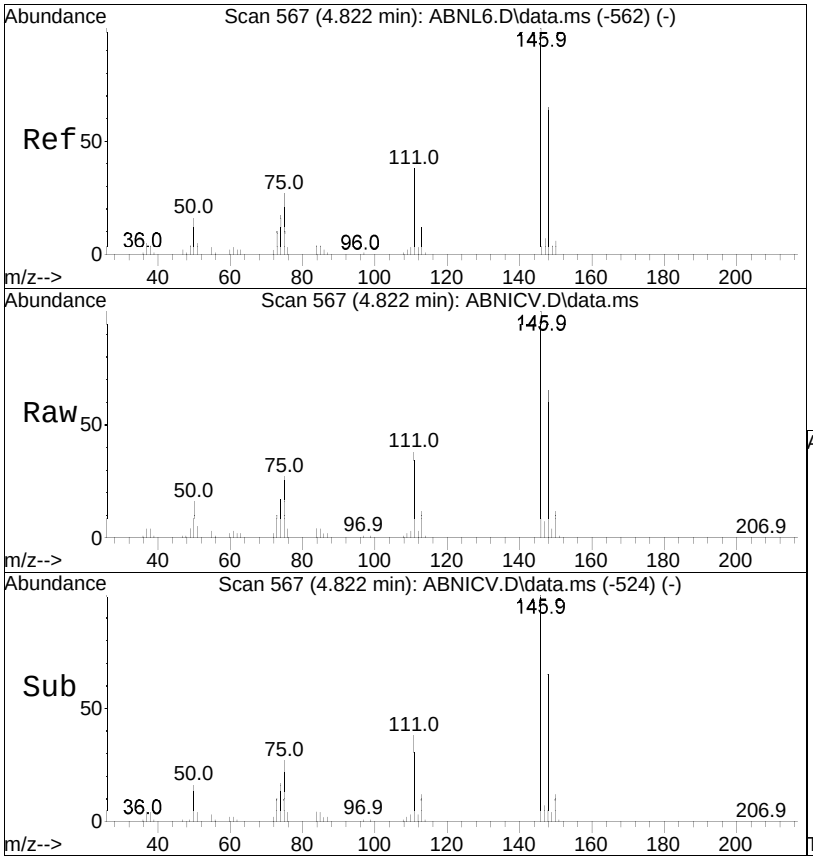


#10
1,3-Dichlorobenzene
Concen: 4.91 ug/ml
RT: 4.746 min Scan# 554
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38166

Ion	Ratio	Lower	Upper
146	100		
111	38.5	35.0	52.4
148	63.7	51.3	76.9

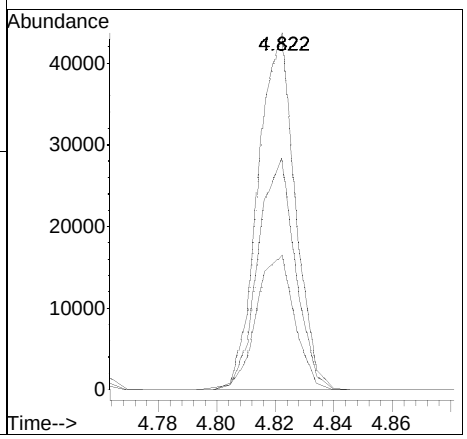


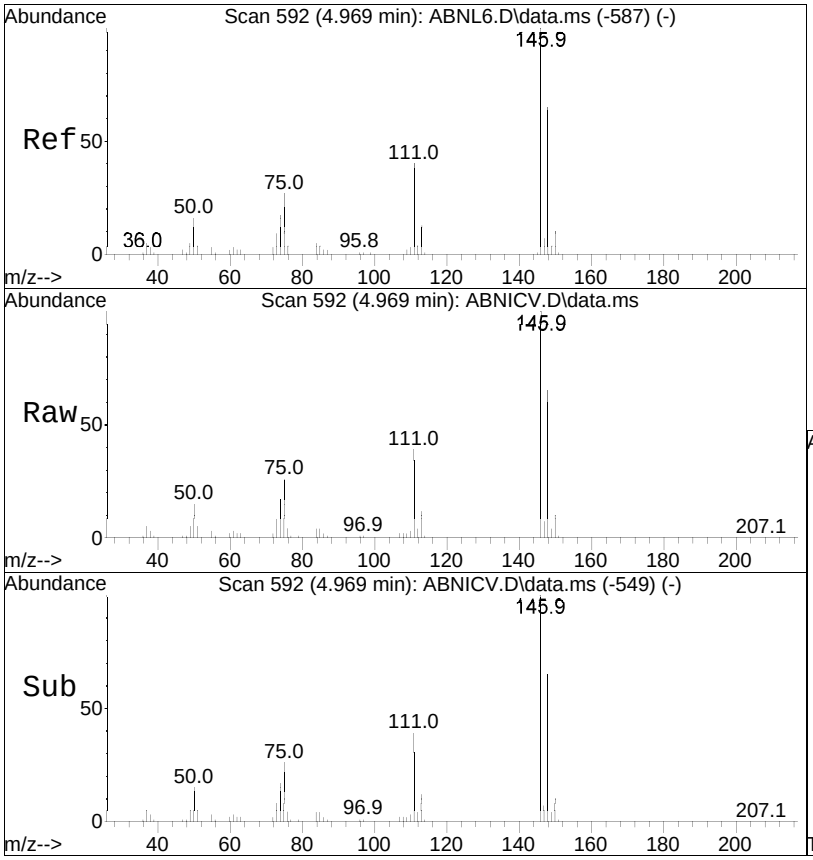


#11
1,4-Dichlorobenzene
Concen: 4.72 ug/ml
RT: 4.822 min Scan# 567
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 38281

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.1	76.7
111	39.3	34.4	51.6

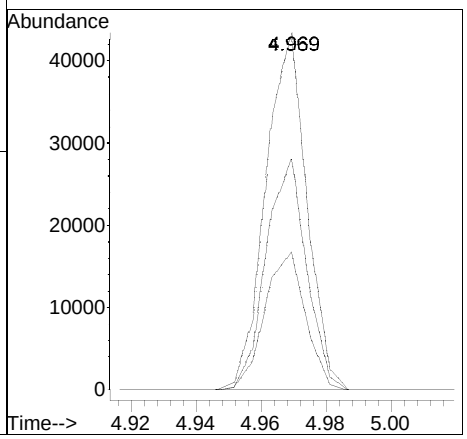


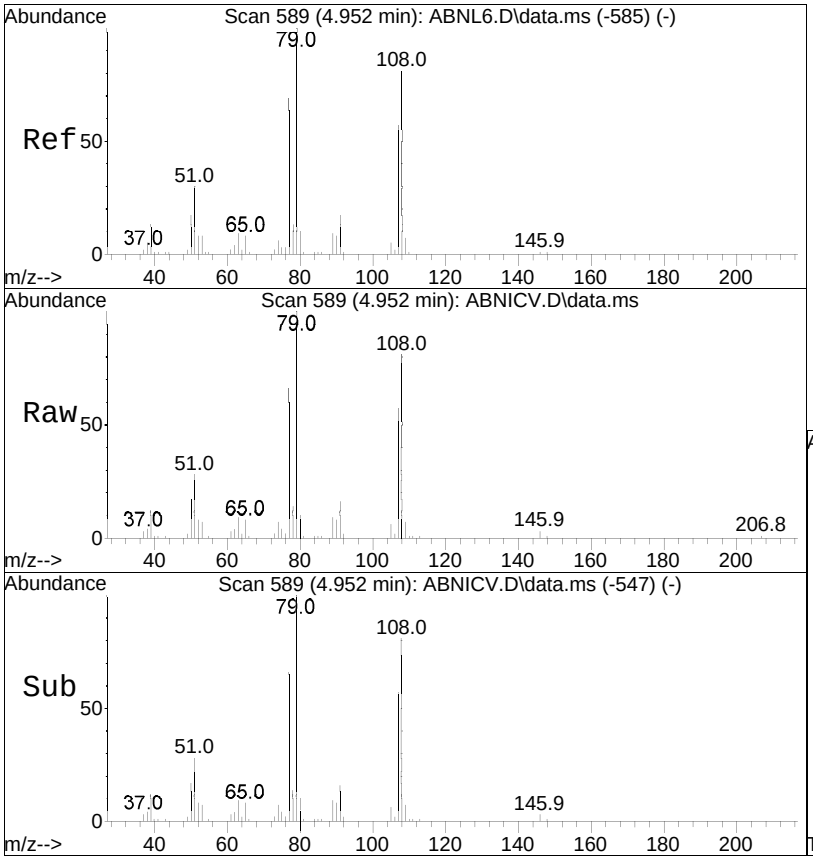


#12
1,2-Dichlorobenzene
Concen: 4.96 ug/ml
RT: 4.969 min Scan# 592
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:146 Resp: 37717

Ion	Ratio	Lower	Upper
146	100		
111	38.6	35.5	53.3
148	63.9	50.6	76.0

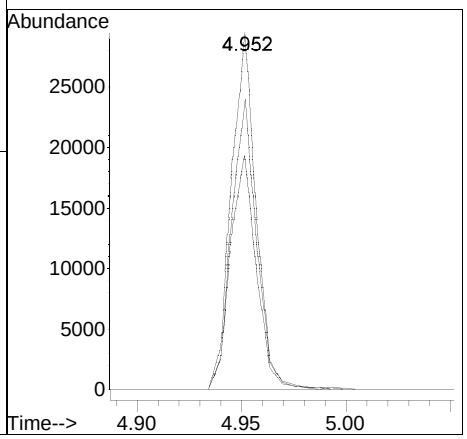


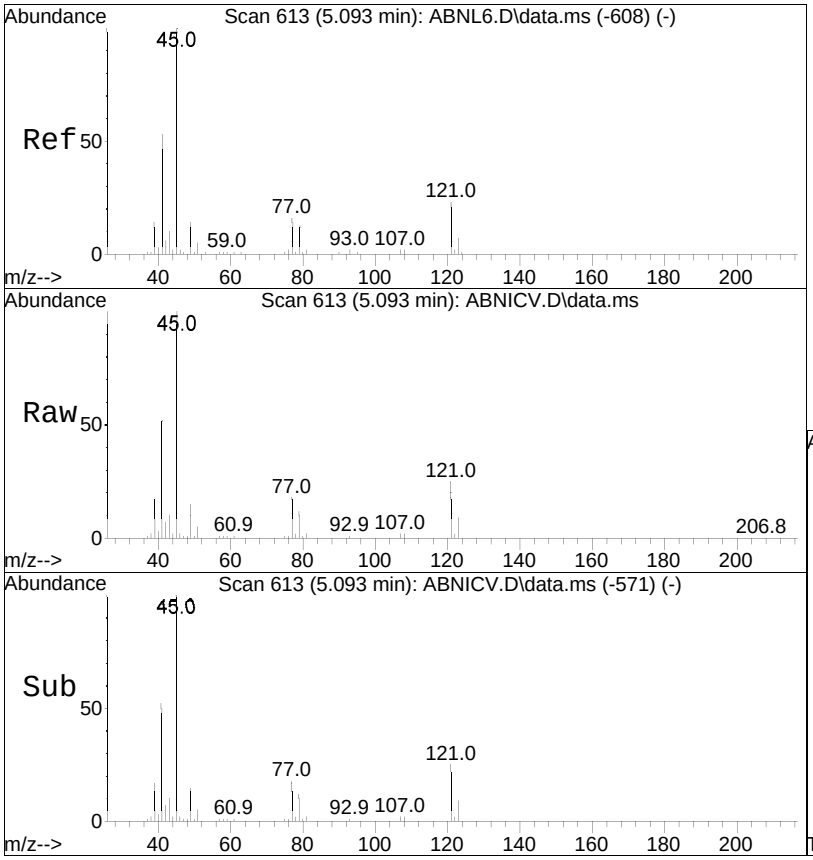


#13
Benzyl alcohol
Concen: 5.00 ug/ml
RT: 4.952 min Scan# 589
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 79 Resp: 24307

Ion	Ratio	Lower	Upper
79	100		
77	68.9	51.8	77.6
108	82.2	63.9	95.9

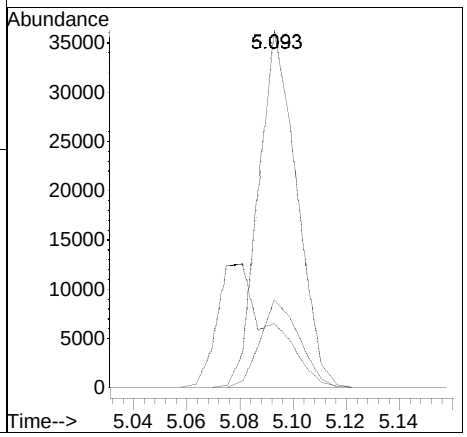


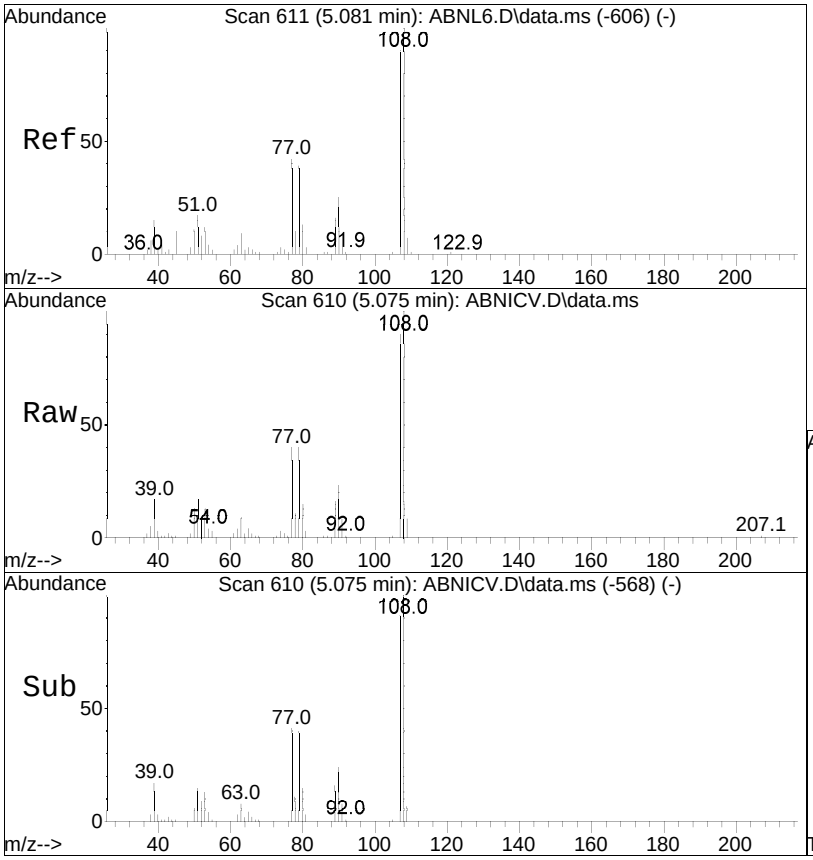


#14
Bis(2-chloroisopropyl)ether
Concen: 4.74 ug/ml
RT: 5.093 min Scan# 613
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 45 Resp: 35963

Ion	Ratio	Lower	Upper
45	100		
121	25.1	14.8	22.2#
77	48.1	10.5	15.7#

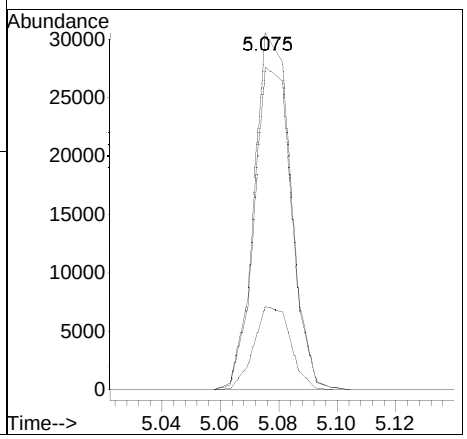


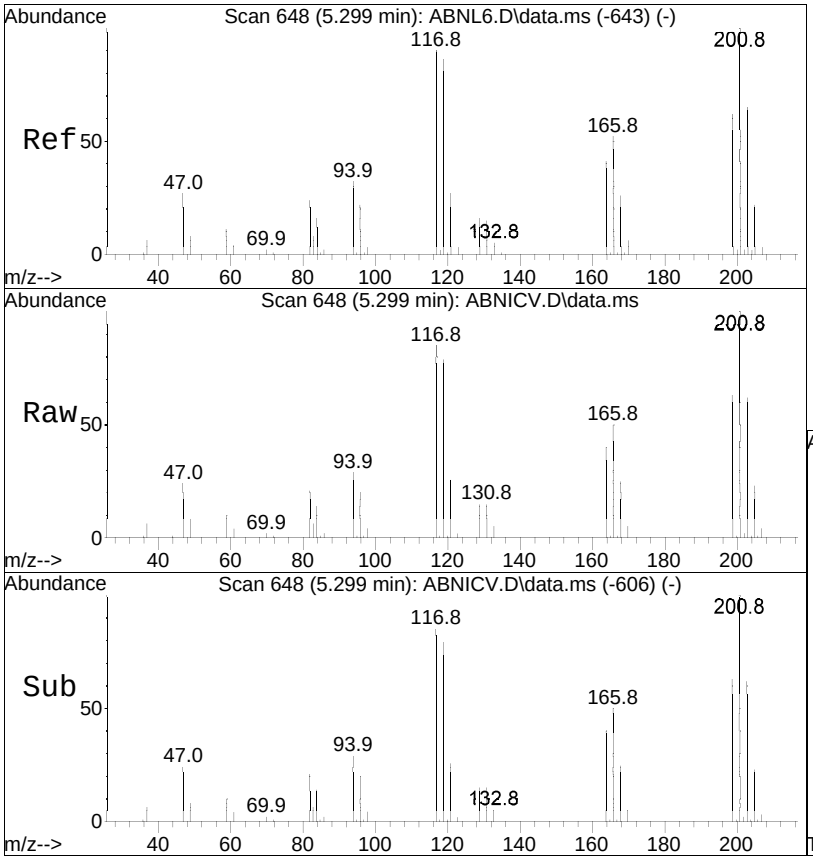


#15
2-Methylphenol
Concen: 4.87 ug/ml
RT: 5.075 min Scan# 610
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 26511

Ion	Ratio	Lower	Upper
108	100		
107	92.3	71.0	106.4
90	23.5	19.7	29.5

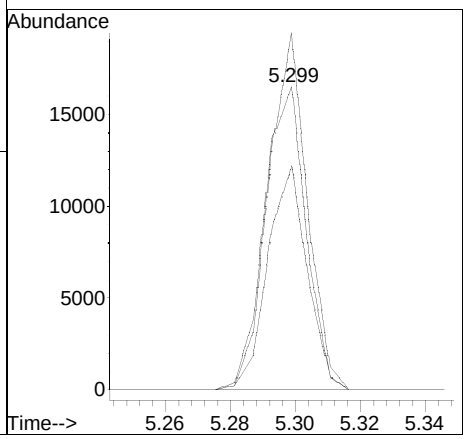


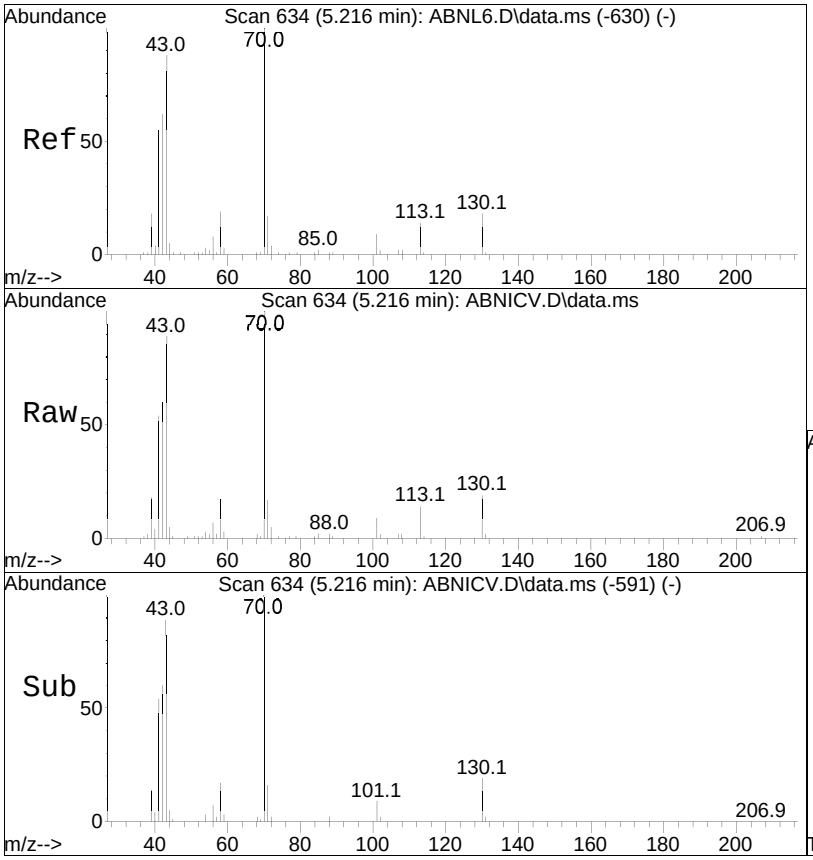


#16
Hexachloroethane
Concen: 5.10 ug/ml
RT: 5.299 min Scan# 648
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:117 Resp: 14641

Ion	Ratio	Lower	Upper
117	100		
201	109.8	64.4	96.6#
199	70.3	40.5	60.7#

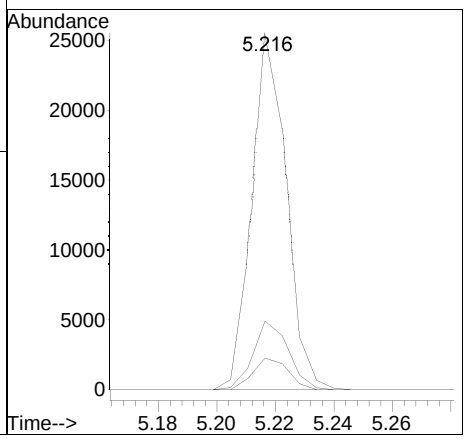


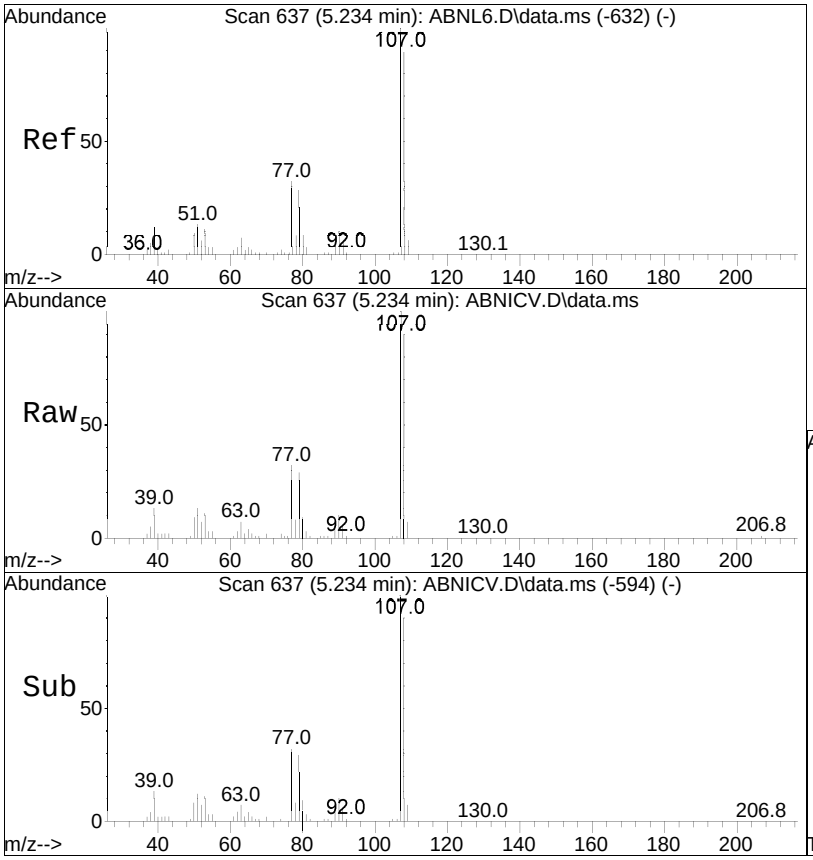


#17
n-Nitrosodi-n-propylamine
Concen: 4.68 ug/ml
RT: 5.216 min Scan# 634
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 70 Resp: 20852

Ion	Ratio	Lower	Upper
70	100		
130	19.7	16.2	24.4
101	9.1	7.6	11.4

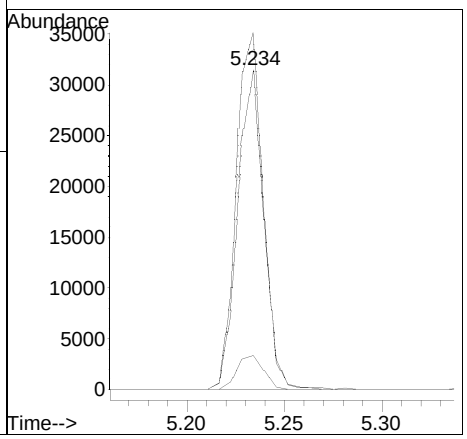


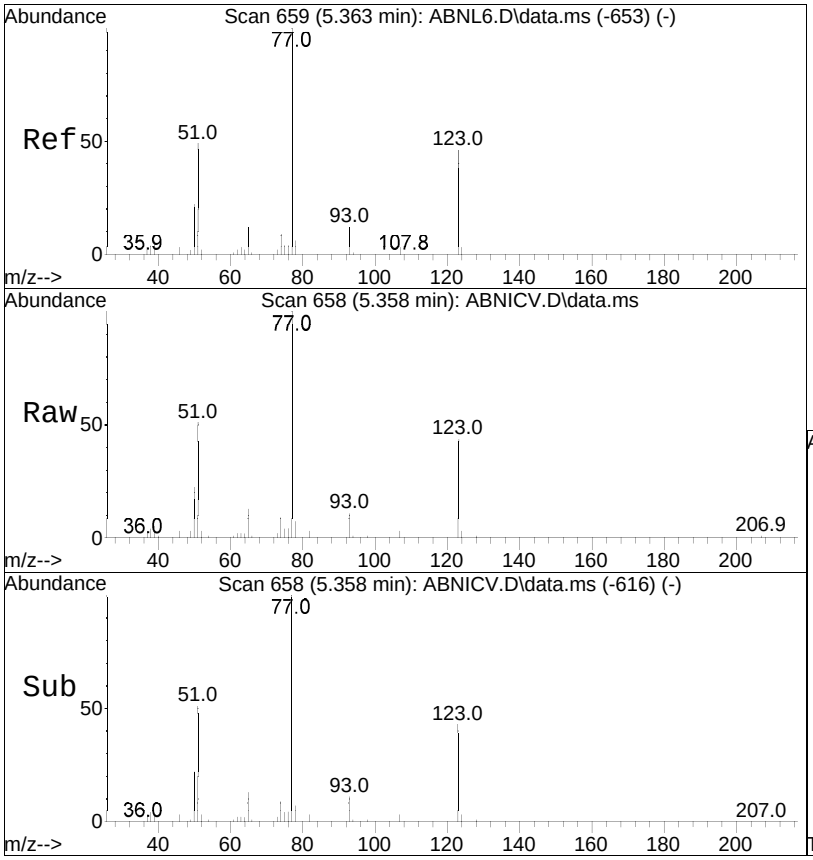


#18
3-Methylphenol/4-Methylphenol
Concen: 4.93 ug/ml
RT: 5.234 min Scan# 637
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:108 Resp: 29223

Ion	Ratio	Lower	Upper
108	100		
107	114.7	88.8	133.2
90	10.8	9.0	13.6

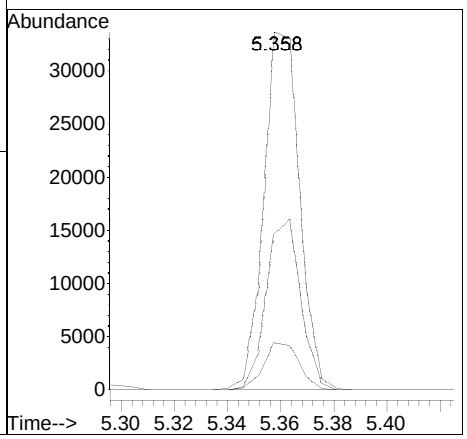


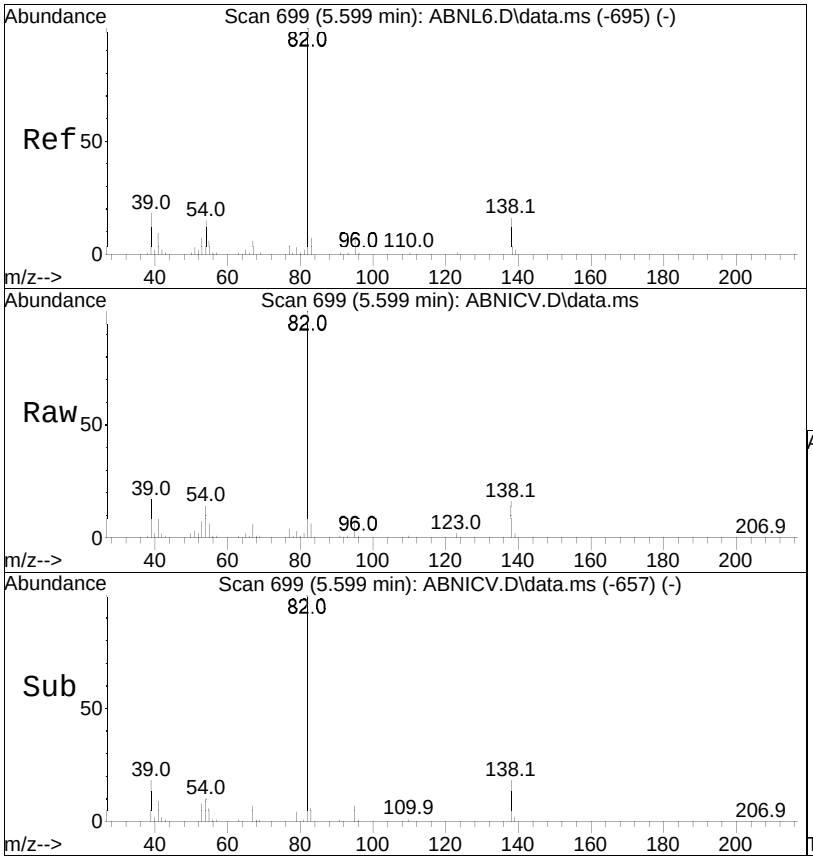


#20
Nitrobenzene
Concen: 4.69 ug/ml
RT: 5.358 min Scan# 658
Delta R.T. -0.005 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 31148

Ion	Ratio	Lower	Upper
77	100		
123	46.0	37.3	55.9
65	13.3	10.9	16.3

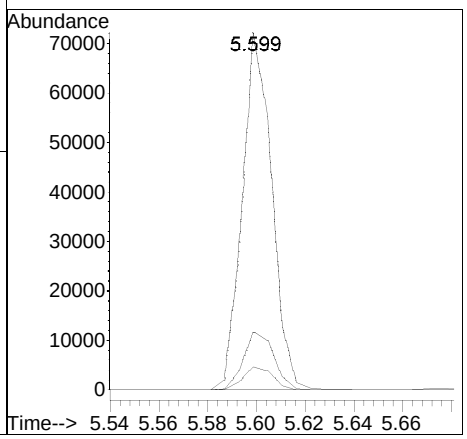


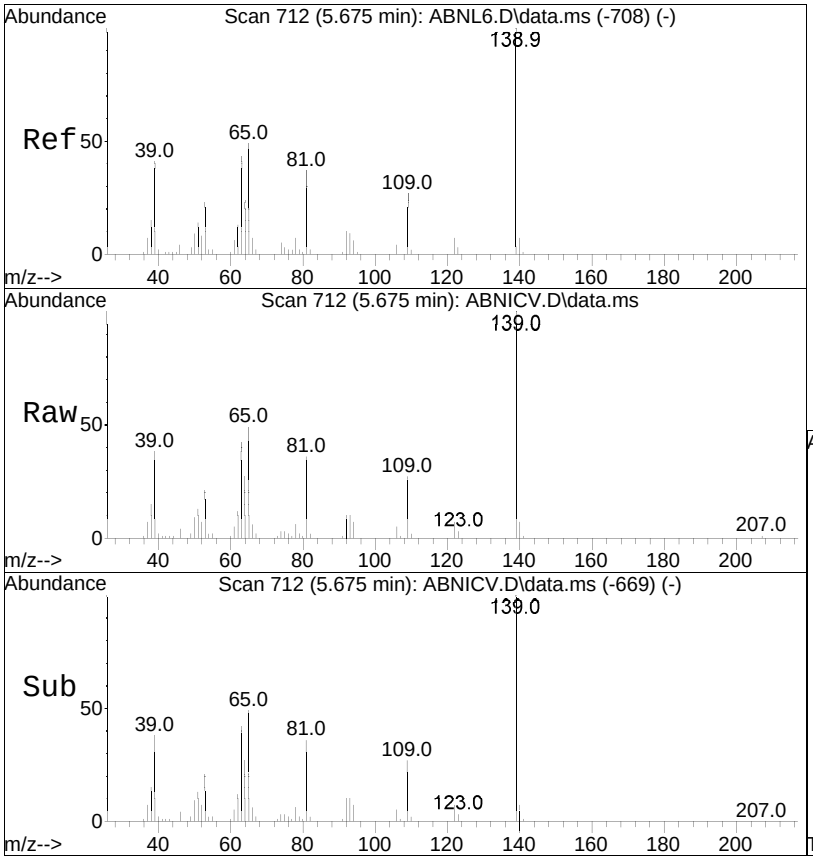


#21
Isophorone
Concen: 5.00 ug/ml
RT: 5.599 min Scan# 699
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 82 Resp: 59999

Ion	Ratio	Lower	Upper
82	100		
138	16.8	13.0	19.4
95	6.6	5.5	8.3

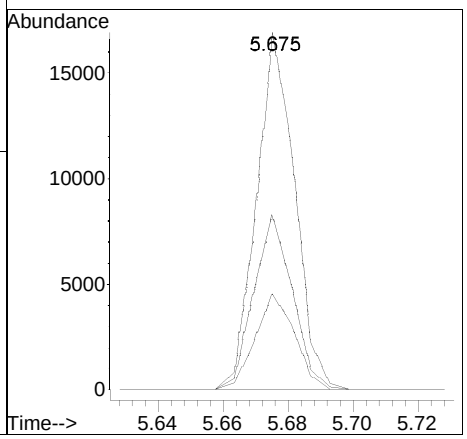


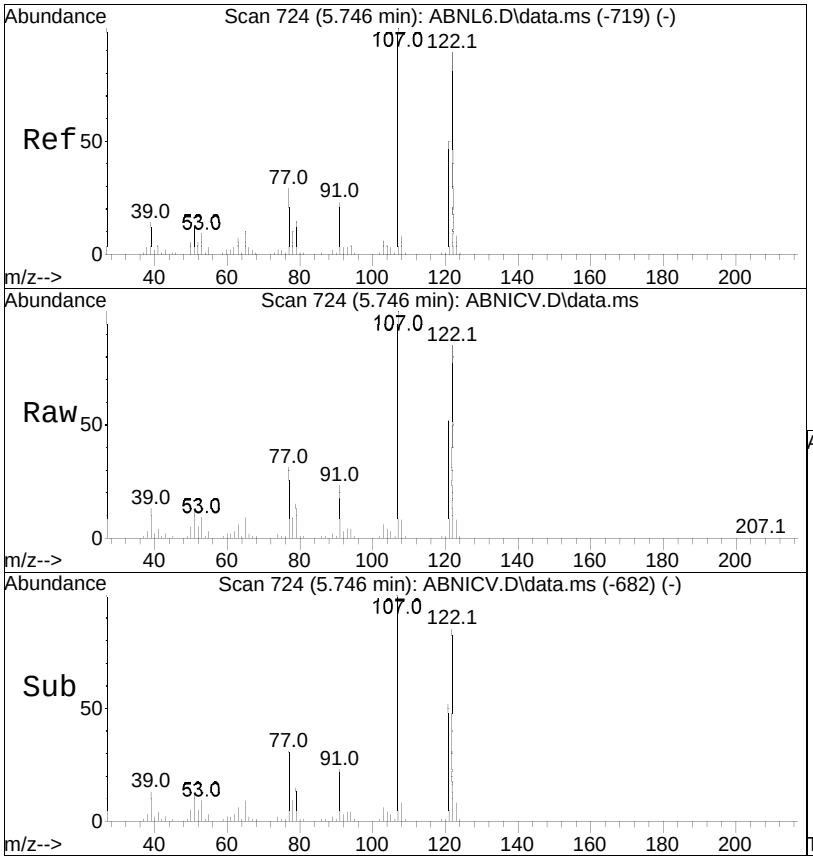


#22
2-Nitrophenol
Concen: 4.62 ug/ml
RT: 5.675 min Scan# 712
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:139 Resp: 13664

Ion	Ratio	Lower	Upper
139	100		
109	27.9	23.1	34.7
65	49.8	41.4	62.2

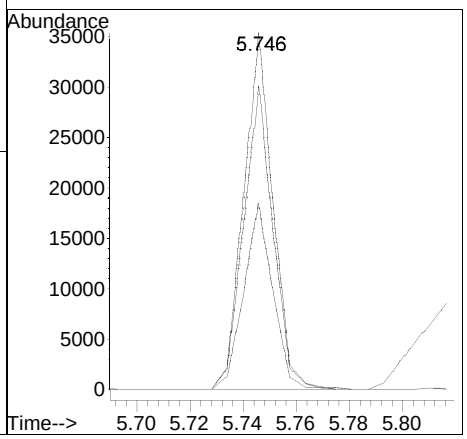


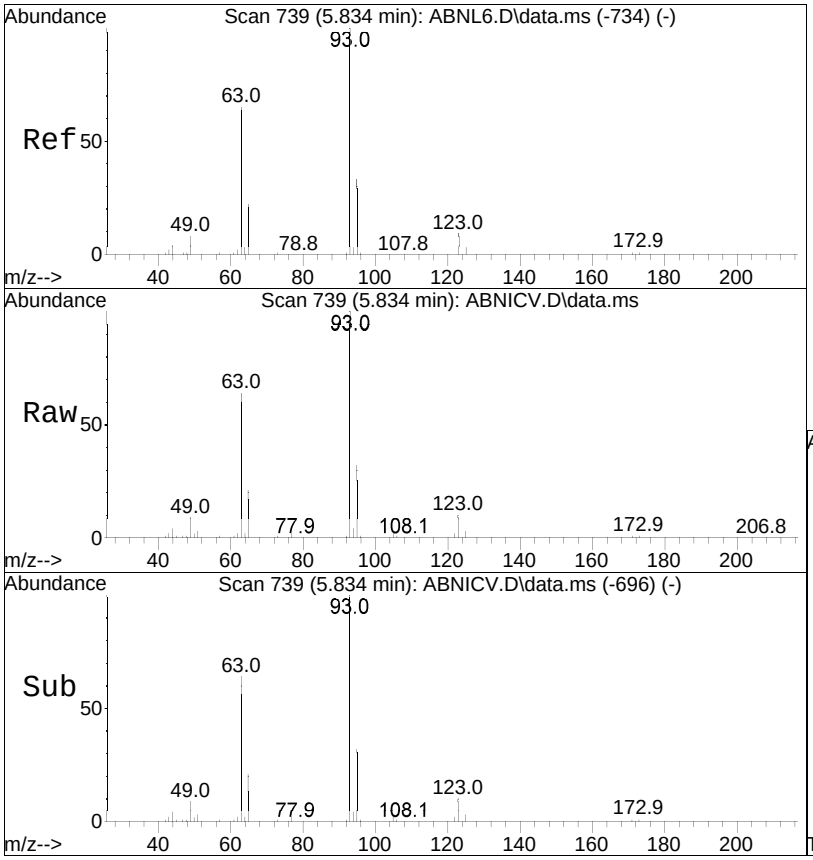


#23
2,4-Dimethylphenol
Concen: 4.72 ug/ml
RT: 5.746 min Scan# 724
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 26791

Ion	Ratio	Lower	Upper
107	100		
121	52.0	41.3	61.9
122	85.8	69.3	103.9

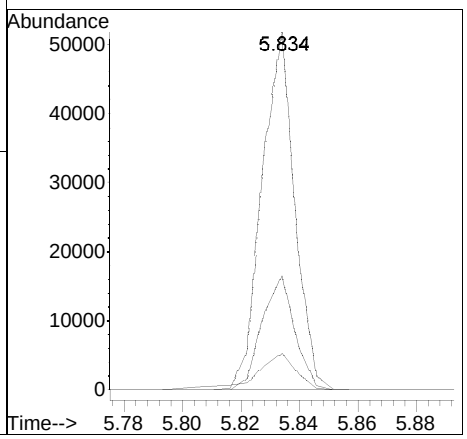


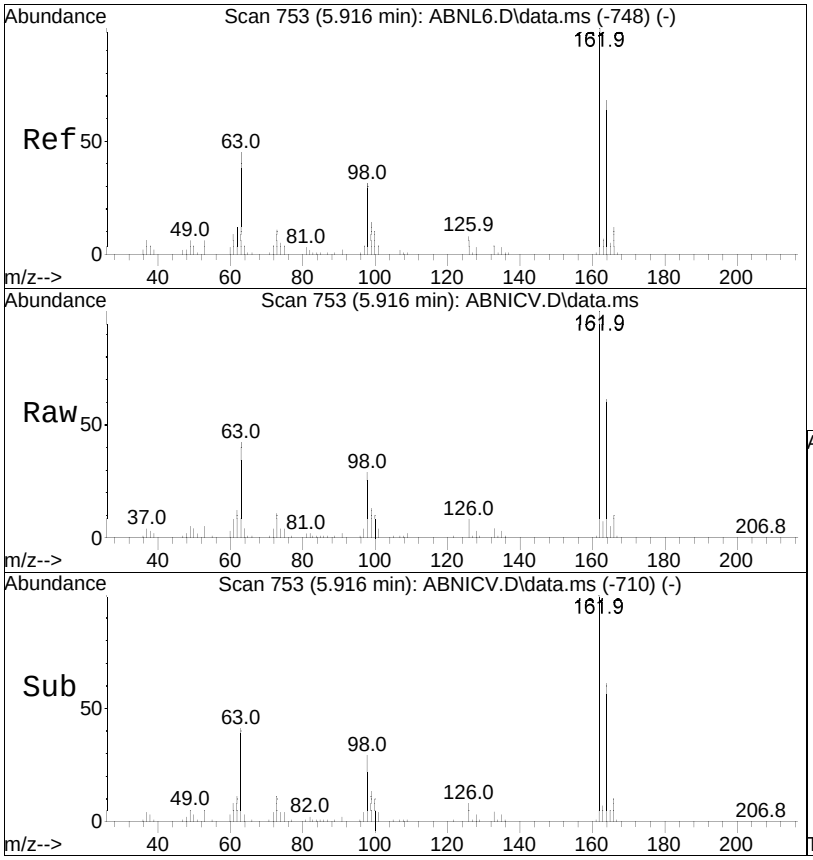


#24
Bis(2-chloroethoxy)methane
Concen: 4.93 ug/ml
RT: 5.834 min Scan# 739
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 93 Resp: 39785

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.8
123	12.7	9.6	14.4

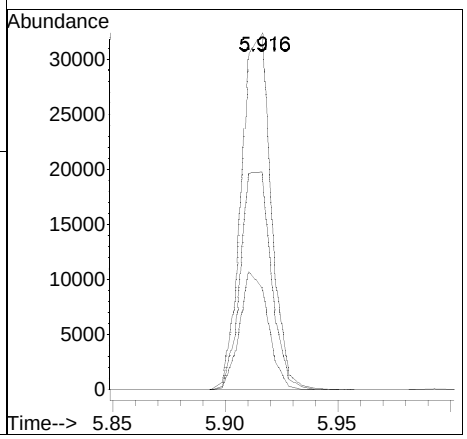


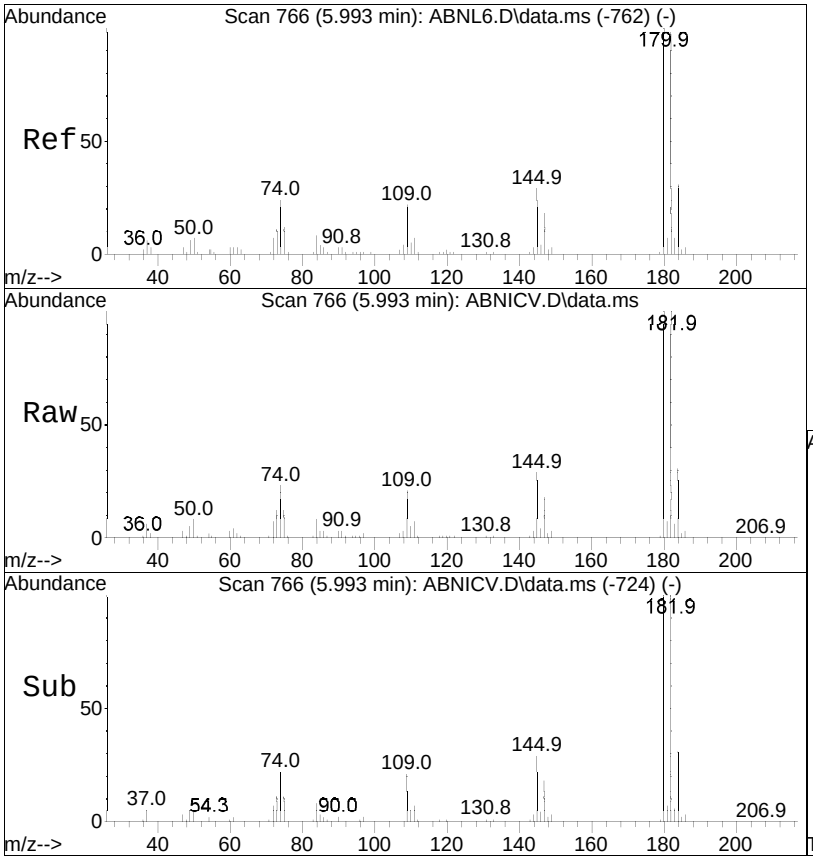


#25
2,4-Dichlorophenol
Concen: 4.99 ug/ml
RT: 5.916 min Scan# 753
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 29599

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.1	76.7
98	31.7	32.2	48.2#

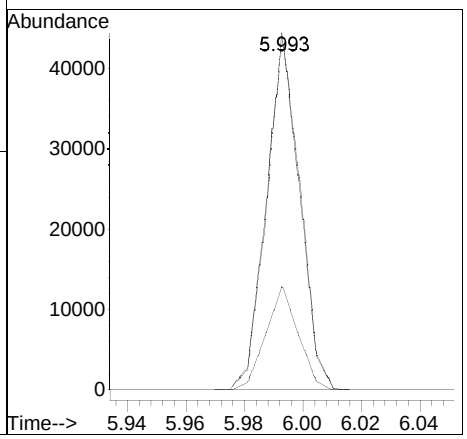


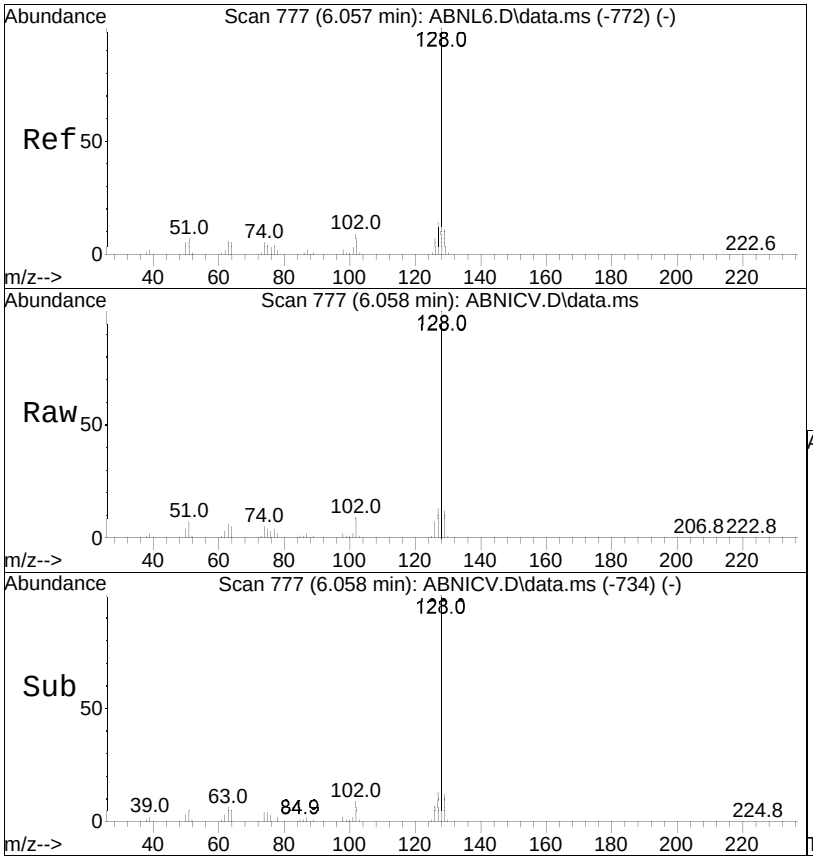


#26
1,2,4-Trichlorobenzene
Concen: 4.69 ug/ml
RT: 5.993 min Scan# 766
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:180 Resp: 35281

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	28.1	26.3	39.5

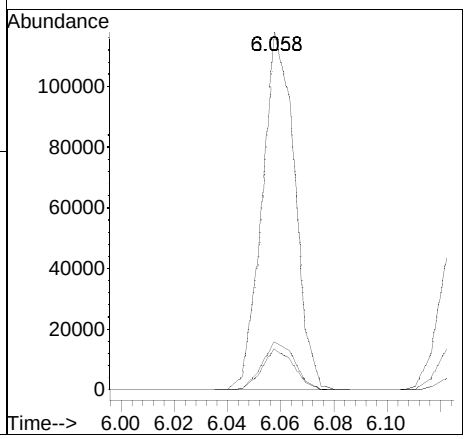


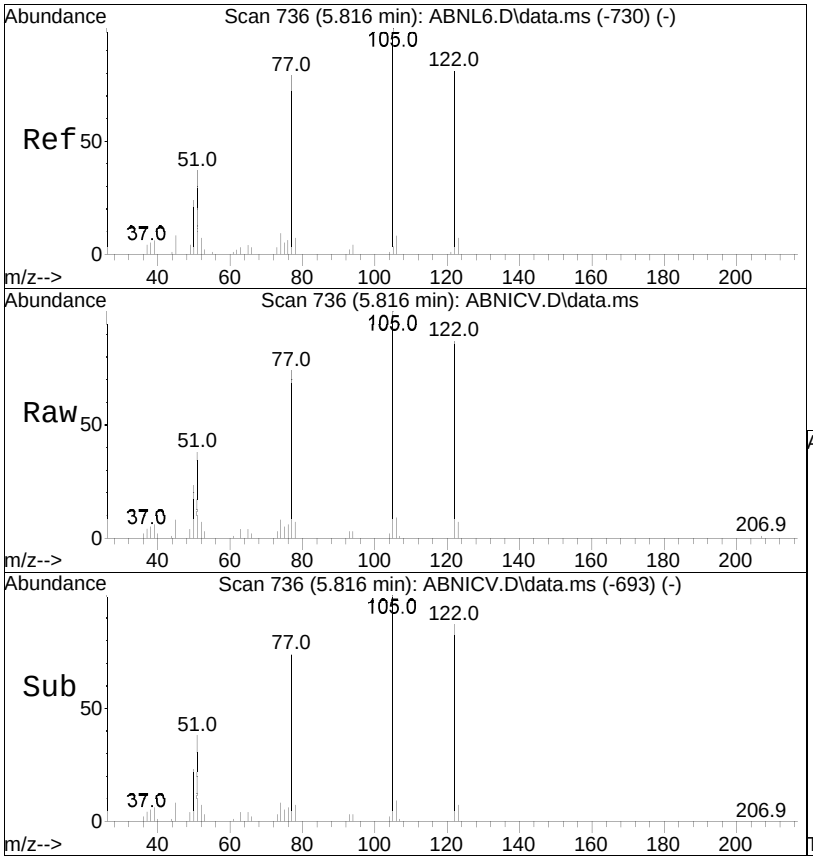


#36
Naphthalene
Concen: 4.72 ug/ml
RT: 6.058 min Scan# 777
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:128 Resp: 99432

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.6	10.6	15.8

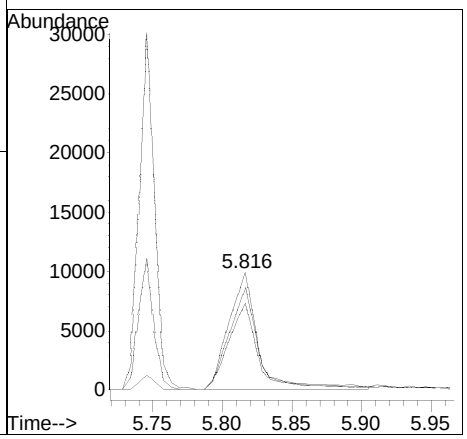


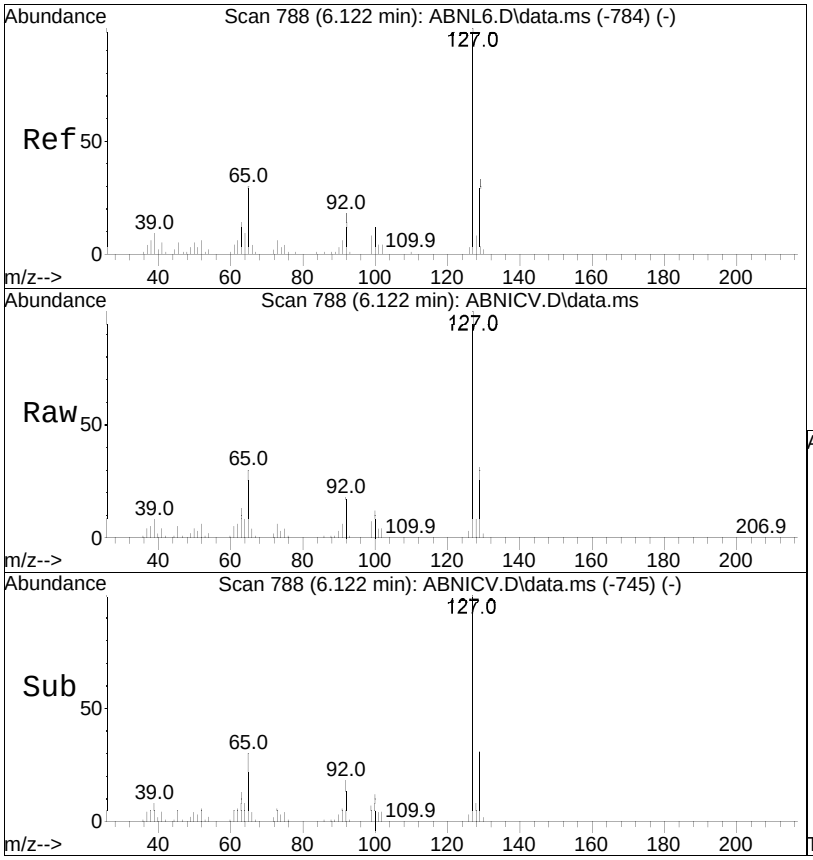


#37
Benzoic Acid
Concen: 4.28 ug/ml
RT: 5.816 min Scan# 736
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:105 Resp: 14641

Ion	Ratio	Lower	Upper
105	100		
122	86.0	62.6	93.8
77	74.5	59.1	88.7

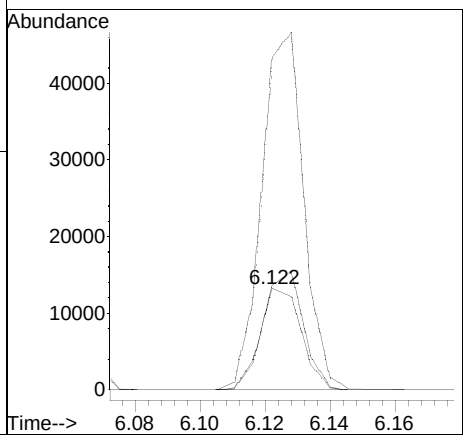


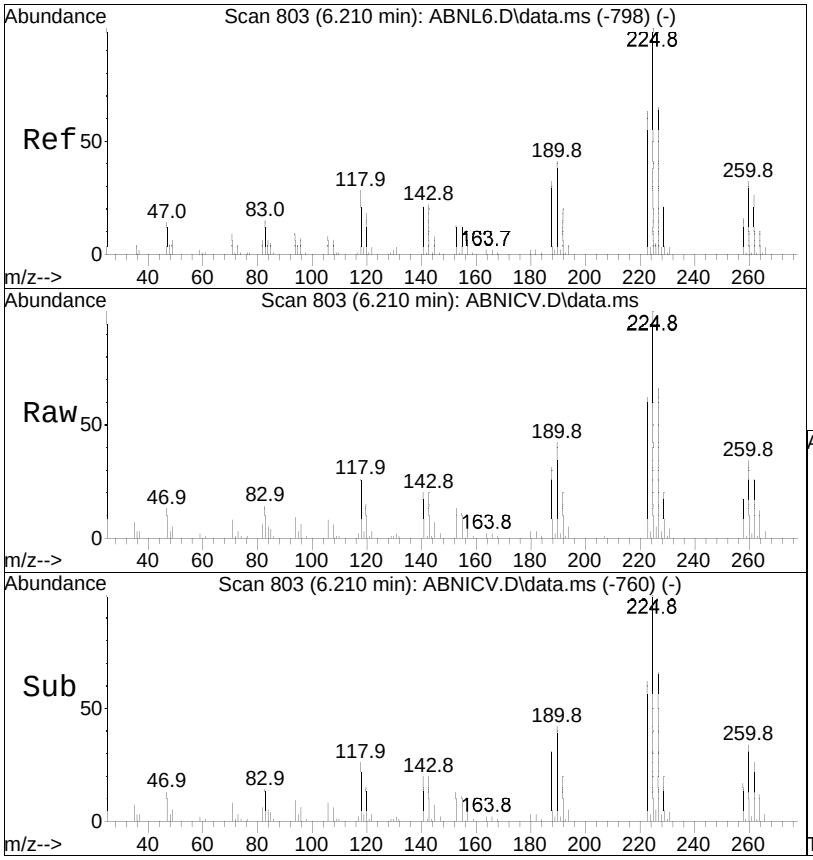


#38
4-Chloroaniline
Concen: 4.95 ug/ml
RT: 6.122 min Scan# 788
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 11724

Ion	Ratio	Lower	Upper
65	100		
127	353.6	266.2	399.4
129	113.3	85.0	127.4

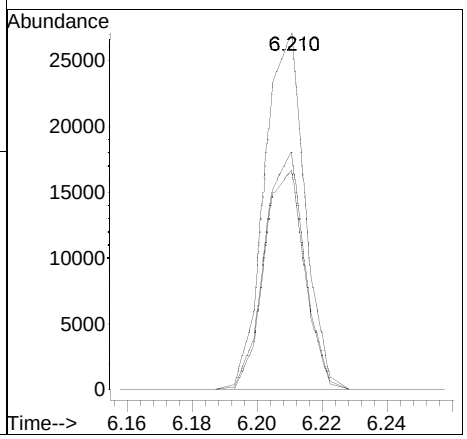


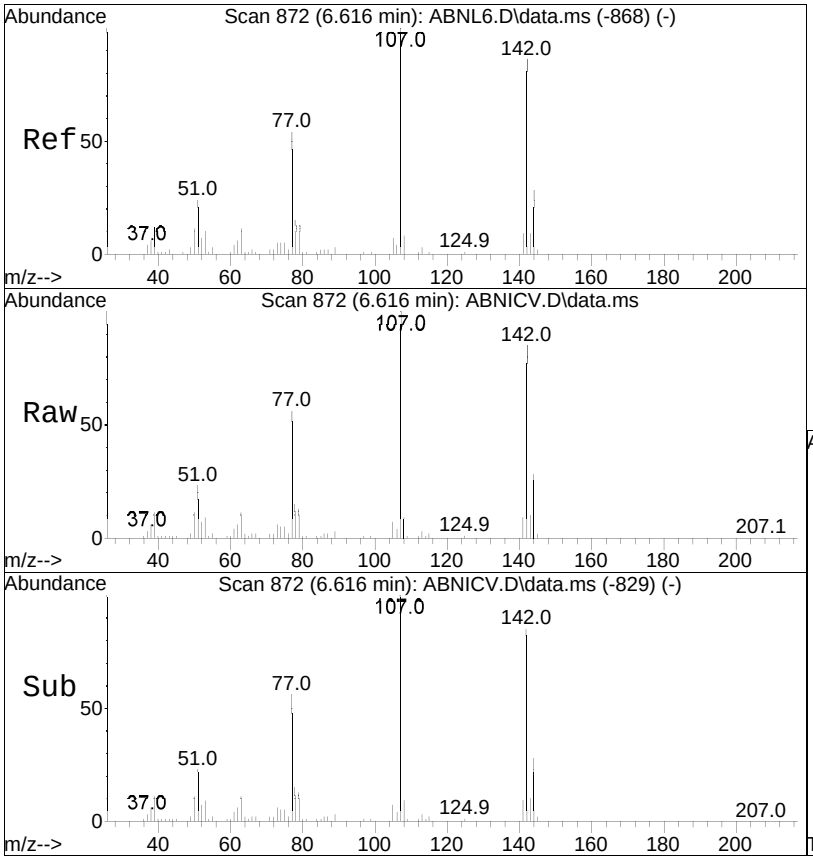


#39
Hexachlorobutadiene
Concen: 4.72 ug/ml
RT: 6.210 min Scan# 803
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:225 Resp: 23300

Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.5	75.7
227	66.2	50.4	75.6

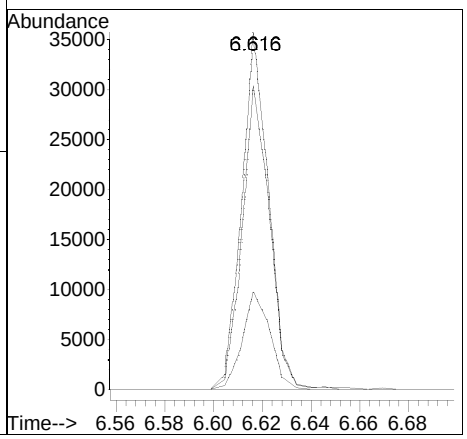


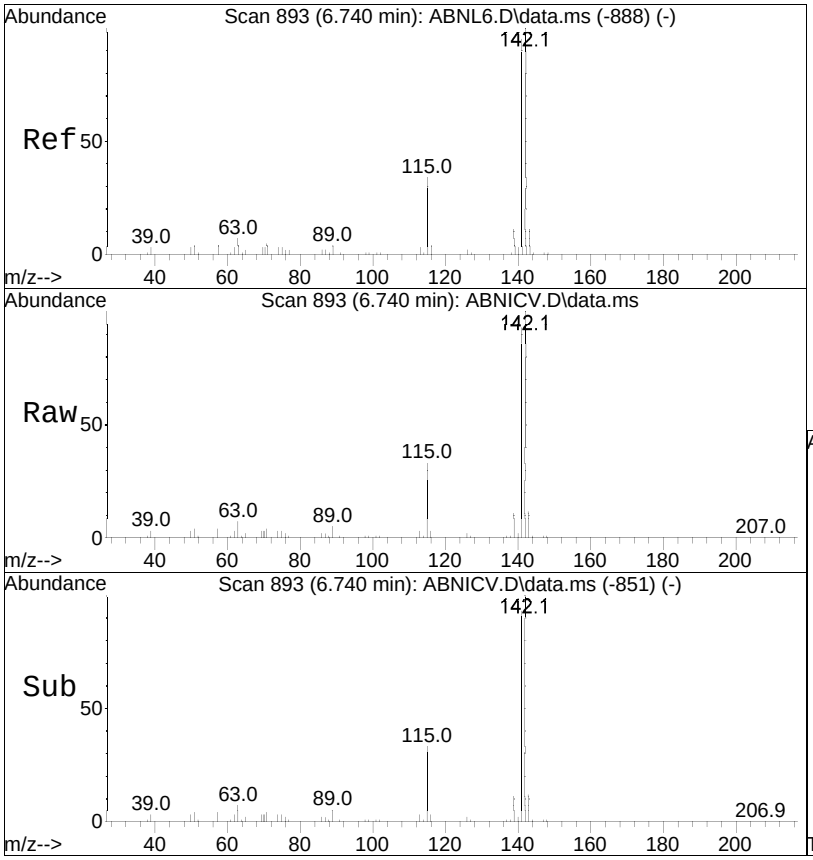


#40
p-Chloro-m-cresol
Concen: 4.89 ug/ml
RT: 6.616 min Scan# 872
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:107 Resp: 27216

Ion	Ratio	Lower	Upper
107	100		
144	28.2	20.3	30.5
142	85.9	63.8	95.6

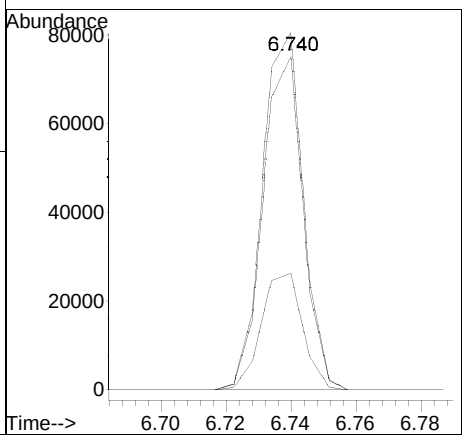


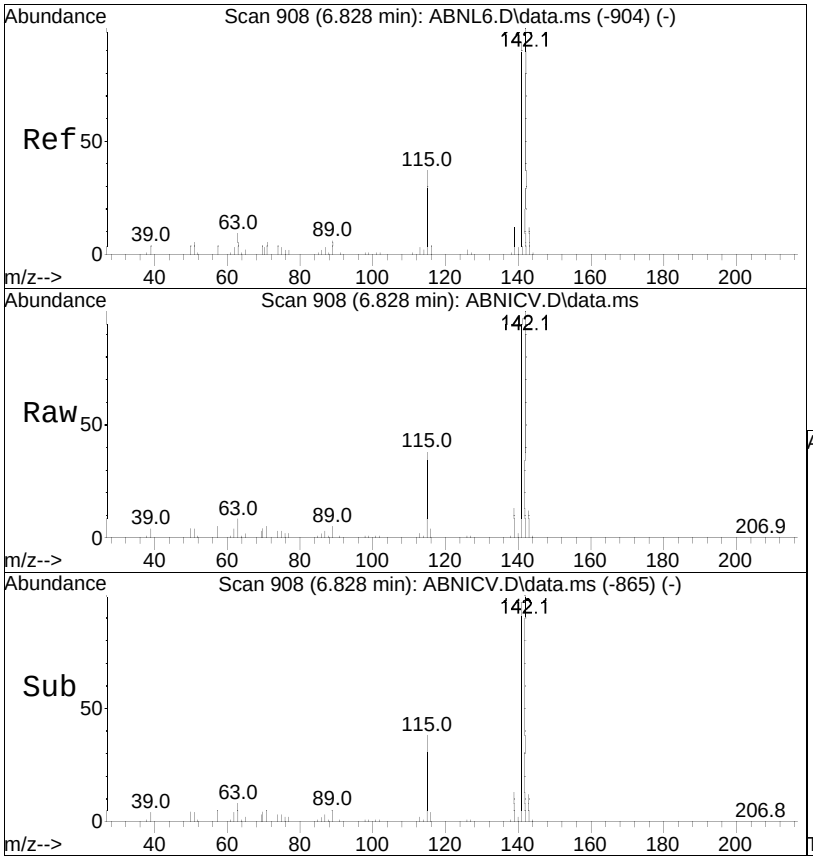


#41
2-Methylnaphthalene
Concen: 4.88 ug/ml
RT: 6.740 min Scan# 893
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:142 Resp: 69923

Ion	Ratio	Lower	Upper
142	100		
141	91.9	72.2	108.4
115	33.2	27.8	41.6

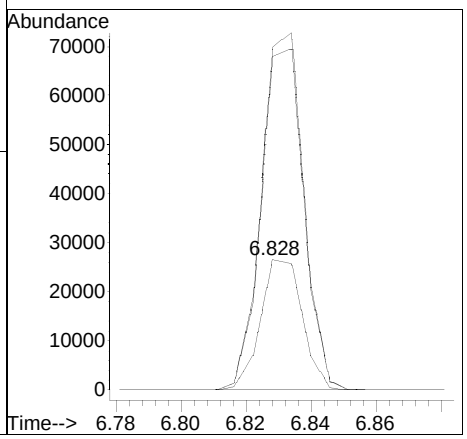


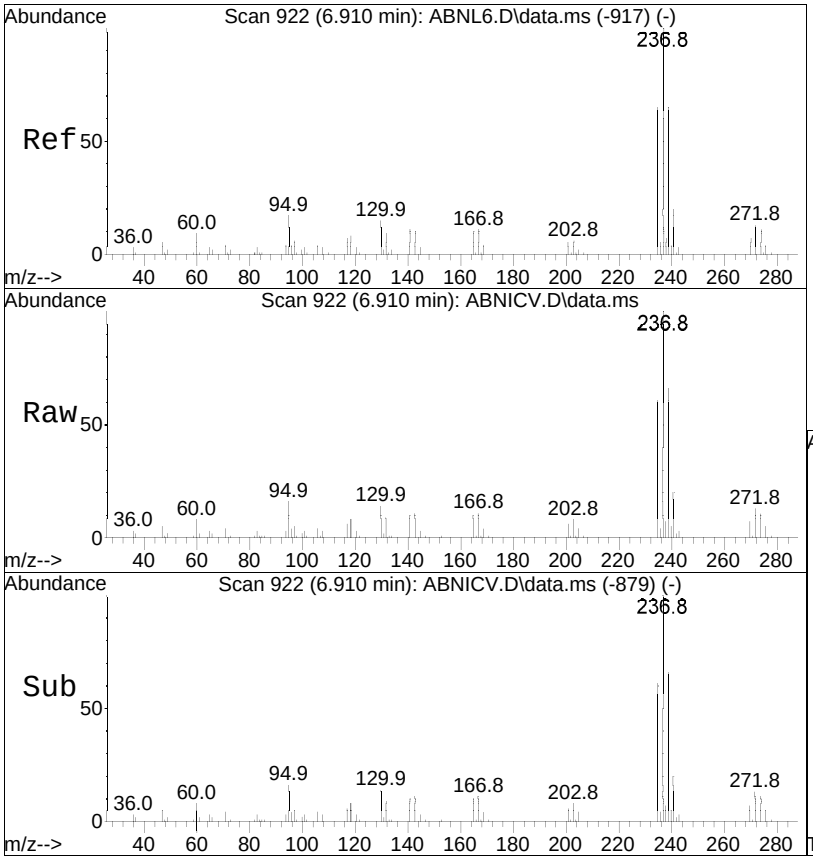


#42
1-Methylnaphthalene
Concen: 4.84 ug/ml
RT: 6.828 min Scan# 908
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:115 Resp: 23877

Ion	Ratio	Lower	Upper
115	100		
141	264.8	205.4	308.2
142	275.6	220.2	330.4

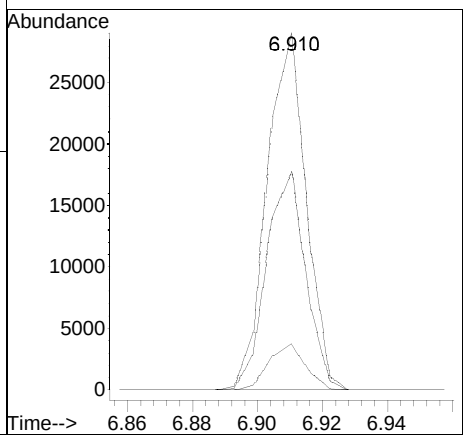


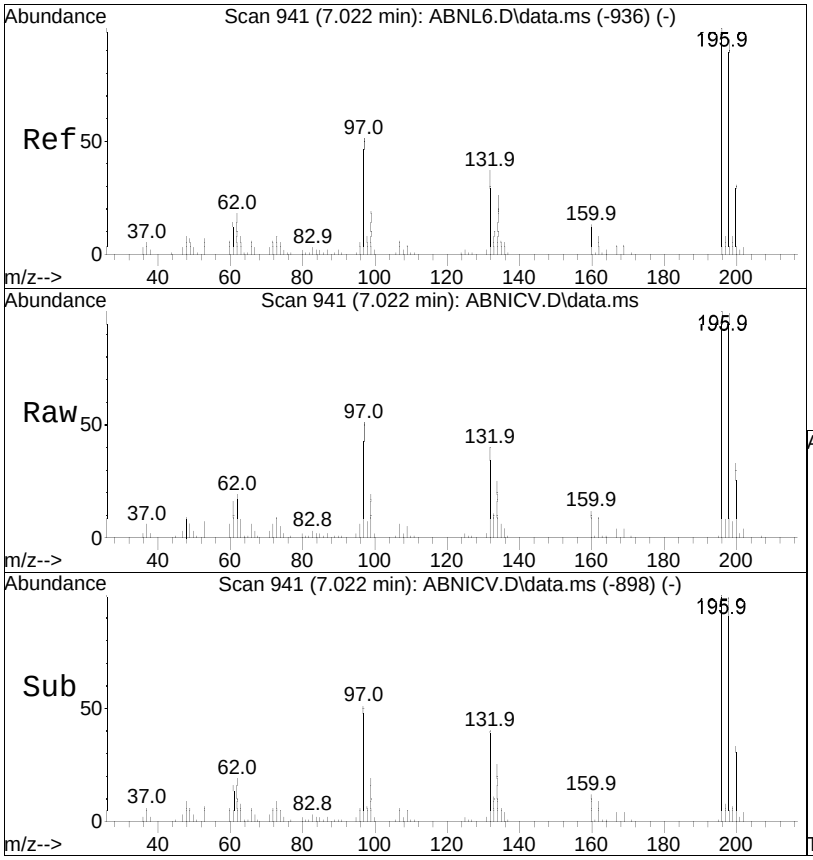


#43
Hexachlorocyclopentadiene
Concen: 4.80 ug/ml
RT: 6.910 min Scan# 922
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:237 Resp: 24201

Ion	Ratio	Lower	Upper
237	100		
235	61.5	50.9	76.3
272	12.2	10.1	15.1

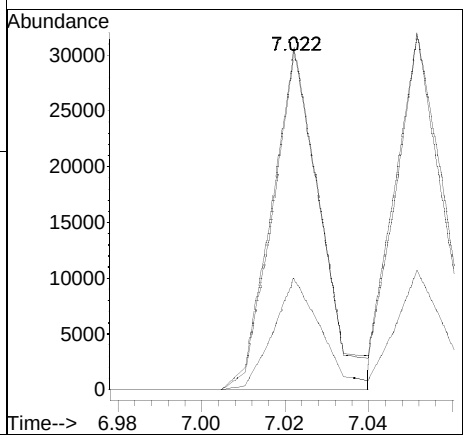


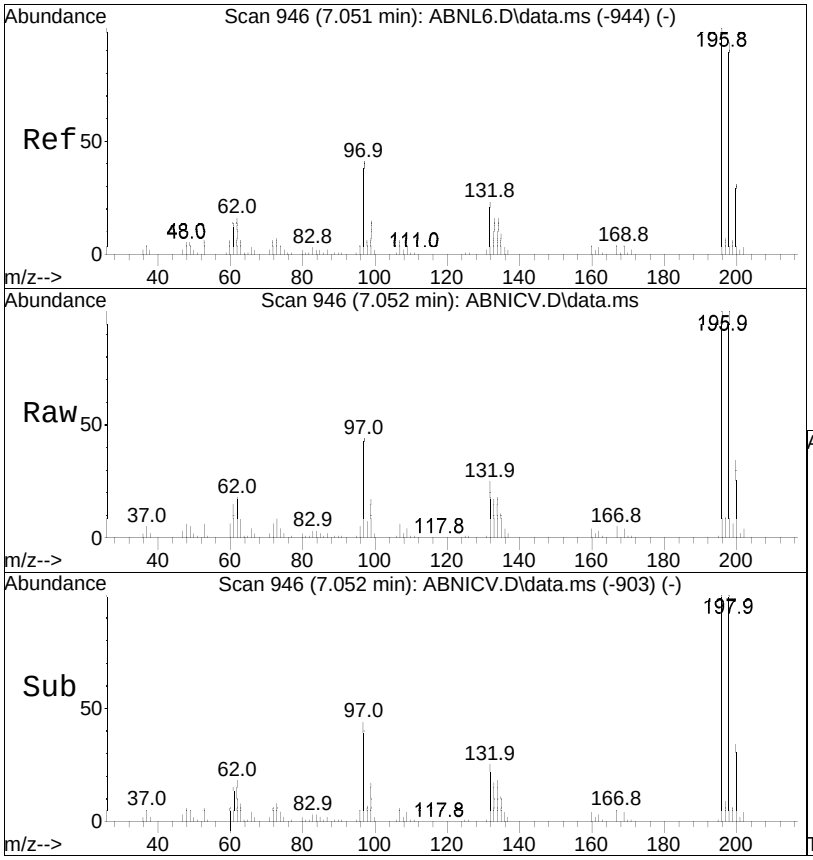


#44
2,4,6-Trichlorophenol
Concen: 4.89 ug/ml
RT: 7.022 min Scan# 941
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25194

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.4	114.6
200	31.9	24.4	36.6

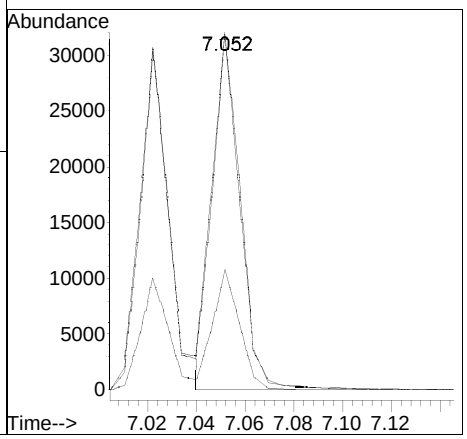


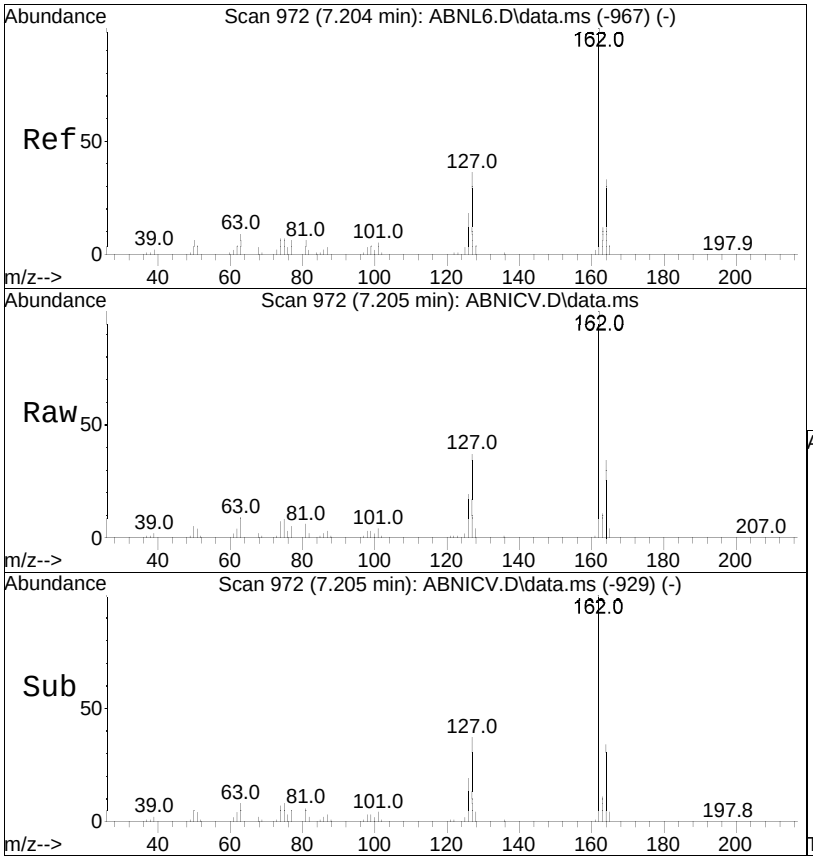


#45
2,4,5-Trichlorophenol
Concen: 4.93 ug/ml
RT: 7.052 min Scan# 946
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:196 Resp: 25978

Ion	Ratio	Lower	Upper
196	100		
200	31.6	24.2	36.4
198	96.3	76.2	114.2

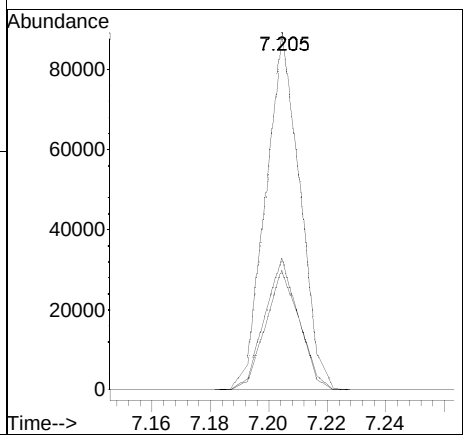


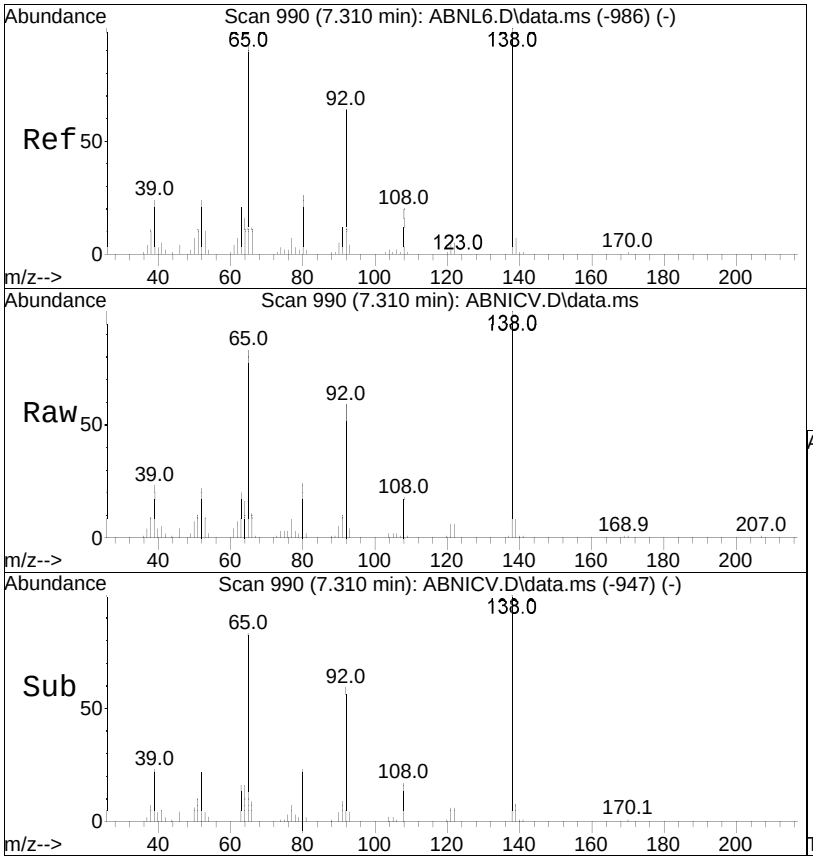


#47
2-Chloronaphthalene
Concen: 4.71 ug/ml
RT: 7.205 min Scan# 972
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:162 Resp: 71799

Ion	Ratio	Lower	Upper
162	100		
127	36.5	33.8	50.6
164	33.9	25.8	38.6

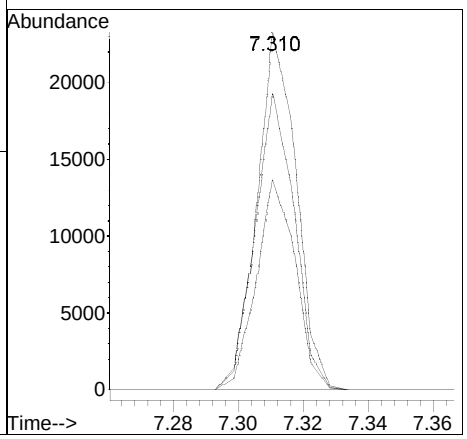


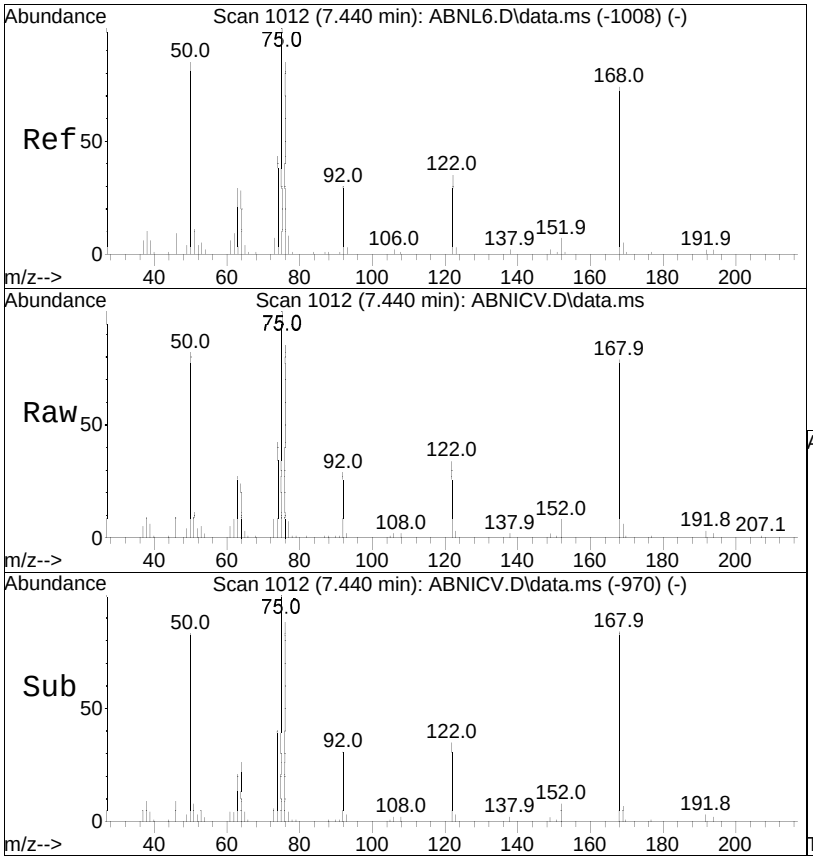


#48
2-Nitroaniline
Concen: 4.79 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19285

Ion	Ratio	Lower	Upper
138	100		
92	58.5	52.1	78.1
65	83.2	75.9	113.9

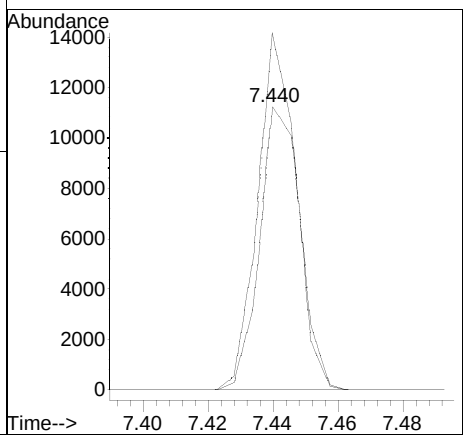


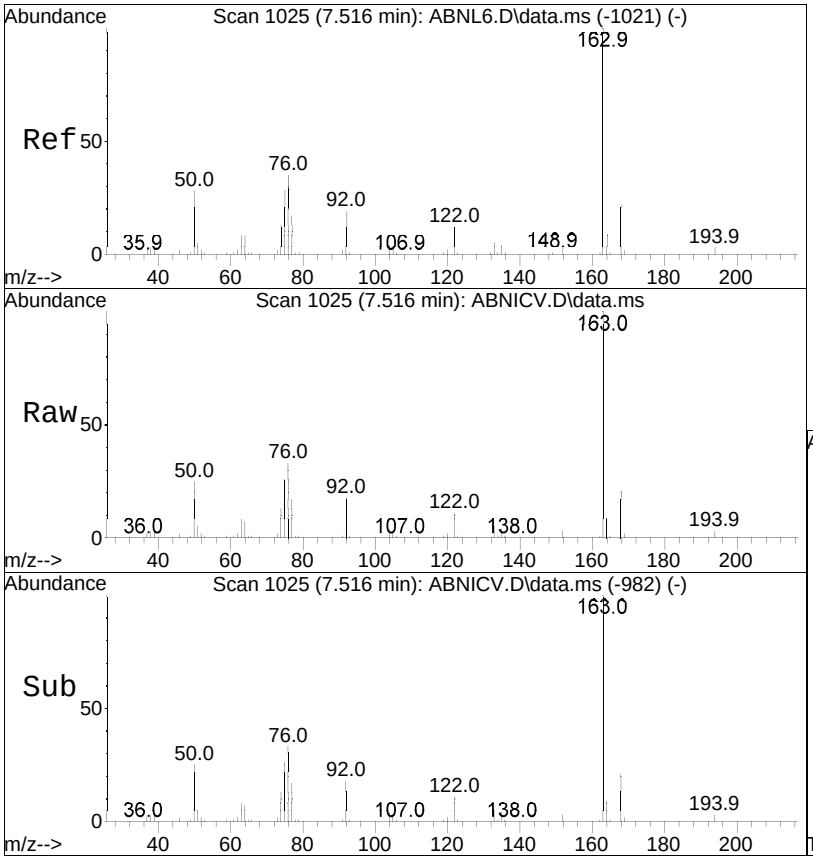


#49
1,4-Dinitrobenzene
Concen: 4.95 ug/ml
RT: 7.440 min Scan# 1012
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 9774

Ion	Ratio	Lower	Upper
168	100		
75	118.0	111.0	166.4

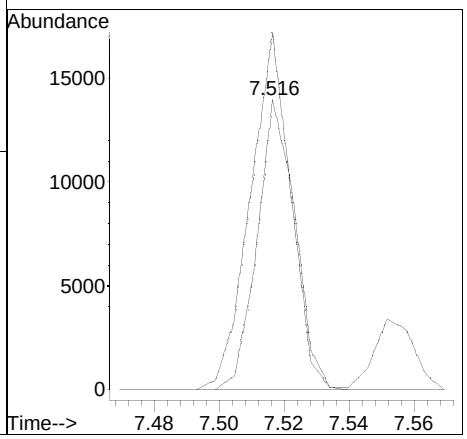


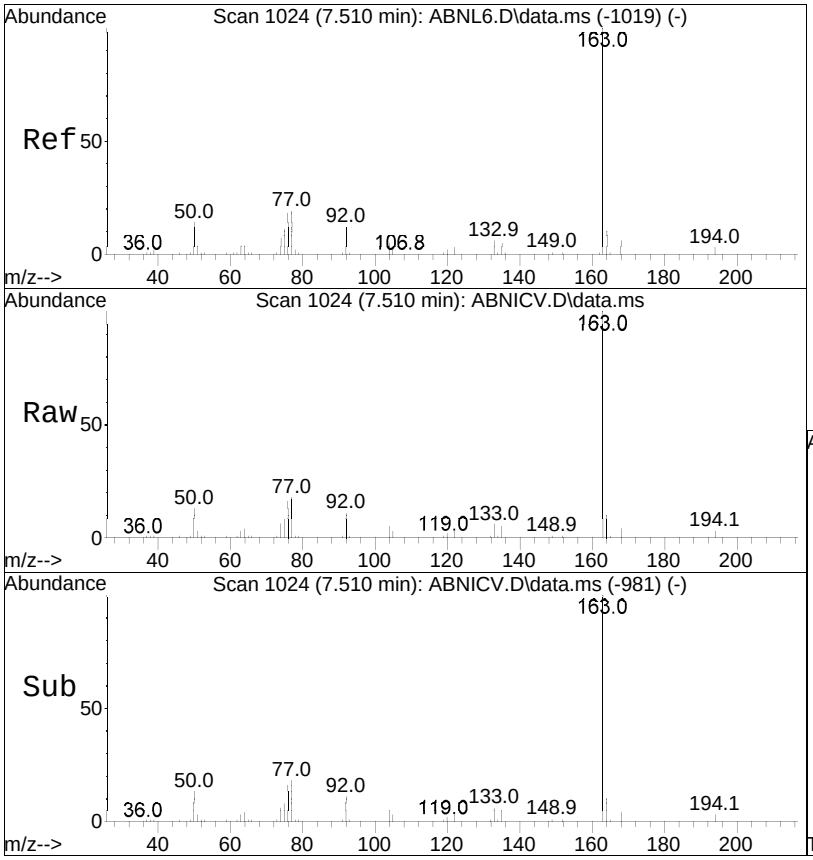


#50
1,3-Dinitrobenzene
Concen: 4.88 ug/ml
RT: 7.516 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 11190

Ion	Ratio	Lower	Upper
168	100		
75	131.7	116.4	174.6

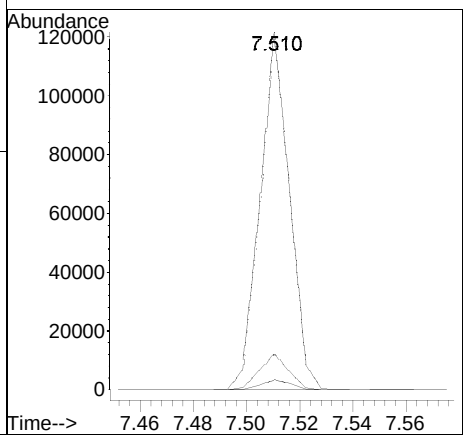


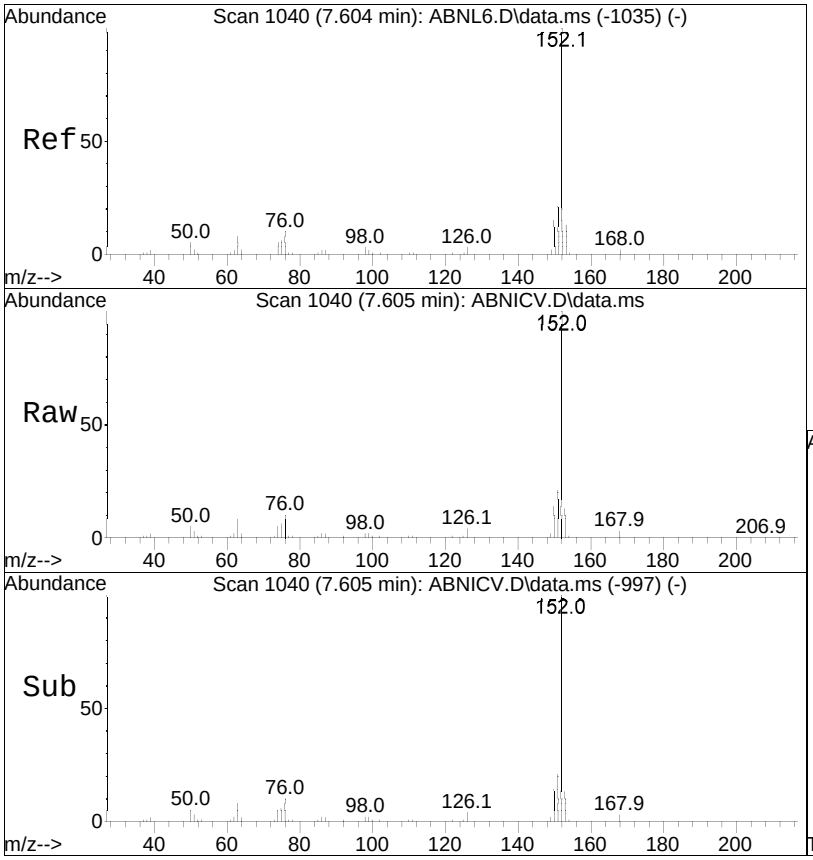


#51
Dimethyl phthalate
Concen: 4.95 ug/ml
RT: 7.510 min Scan# 1024
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:163 Resp: 91883

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.3	3.5
164	10.0	8.2	12.2

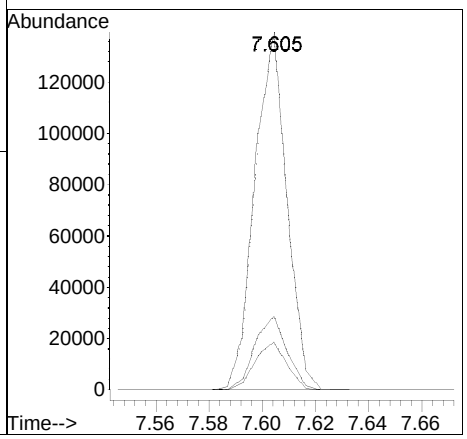


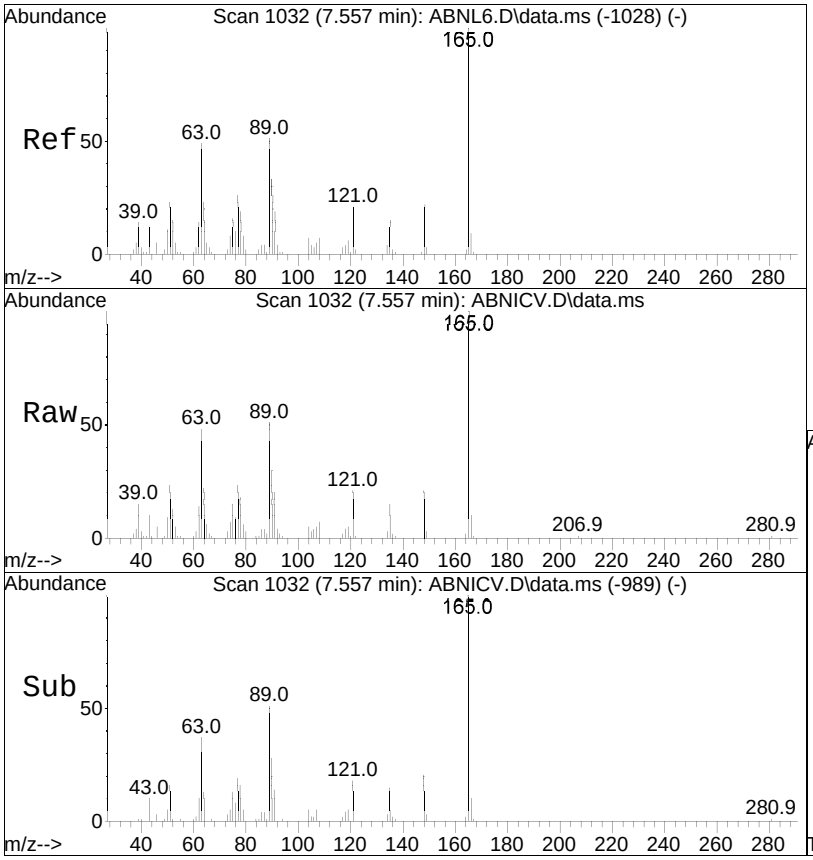


#52
Acenaphthylene
Concen: 5.14 ug/ml
RT: 7.605 min Scan# 1040
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:152 Resp: 115716

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.9	23.9
153	13.4	10.5	15.7

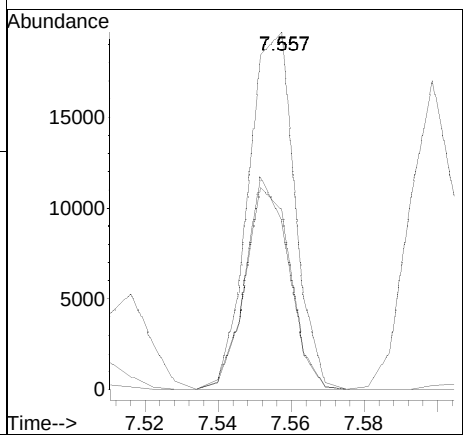


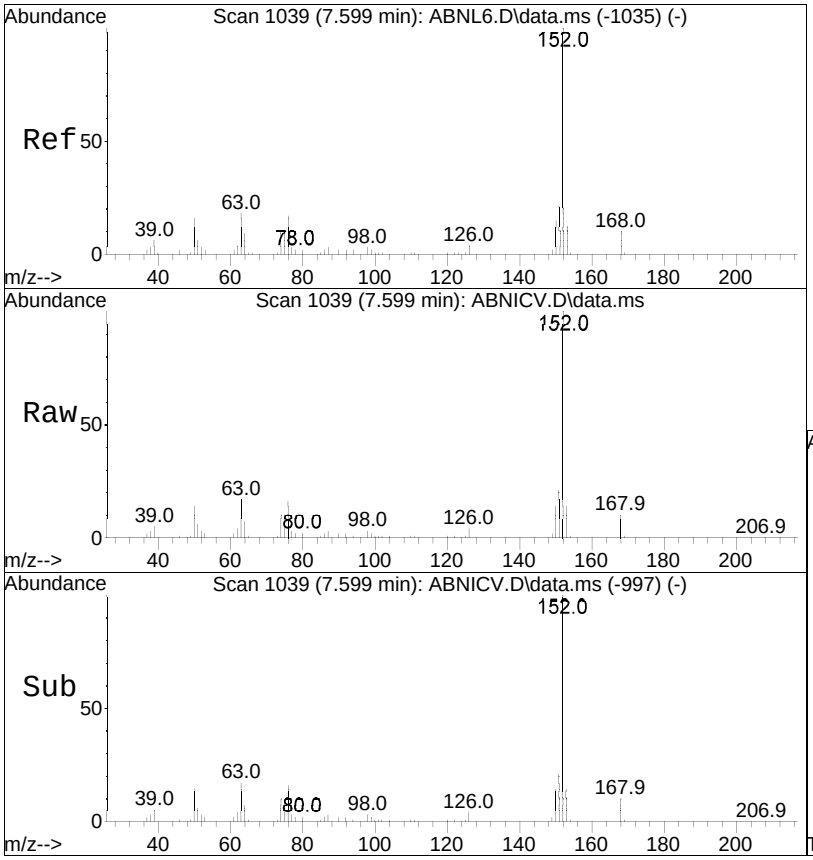


#53
2,6-Dinitrotoluene
Concen: 5.01 ug/ml
RT: 7.557 min Scan# 1032
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 17365

Ion	Ratio	Lower	Upper
165	100		
89	55.6	48.8	73.2
63	55.8	50.5	75.7

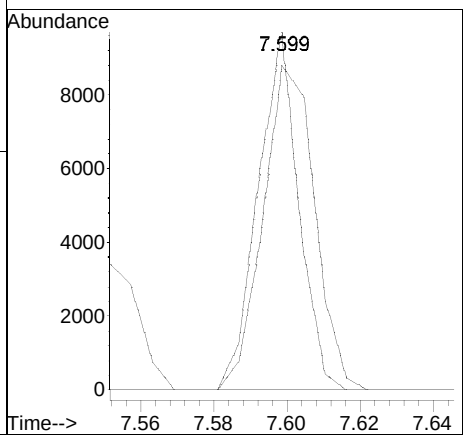


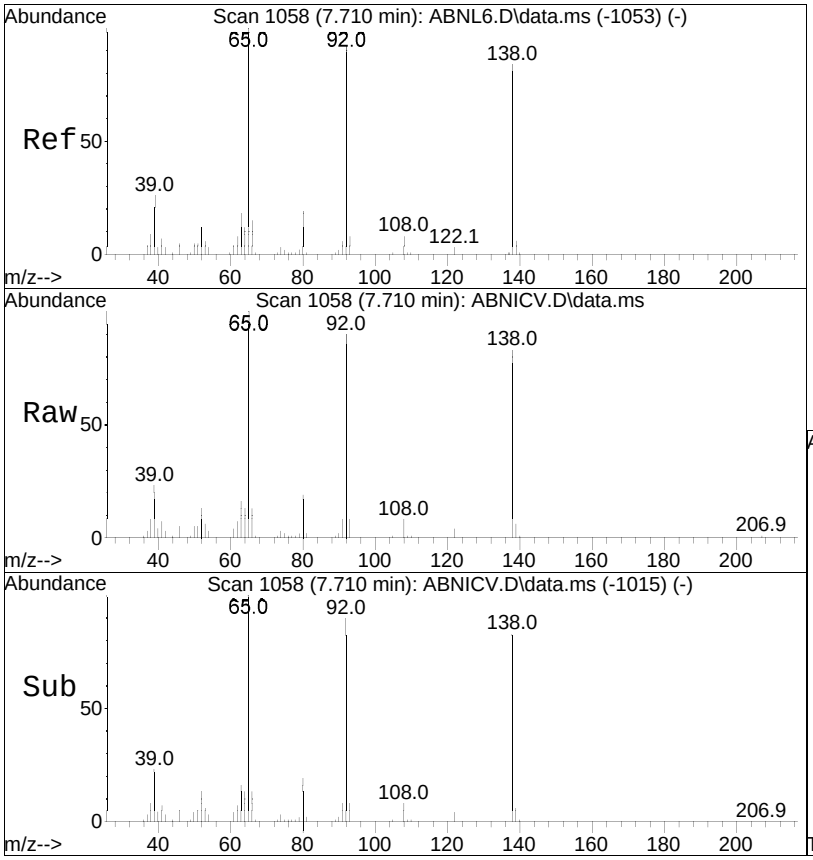


#54
1,2-Dinitrobenzene
Concen: 4.87 ug/ml
RT: 7.599 min Scan# 1039
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 7435

Ion	Ratio	Lower	Upper
168	100		
75	115.4	32.2	48.2#

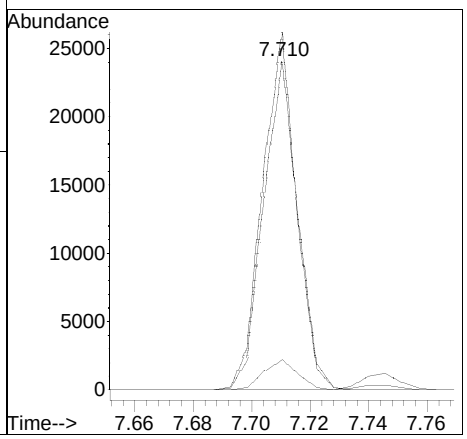


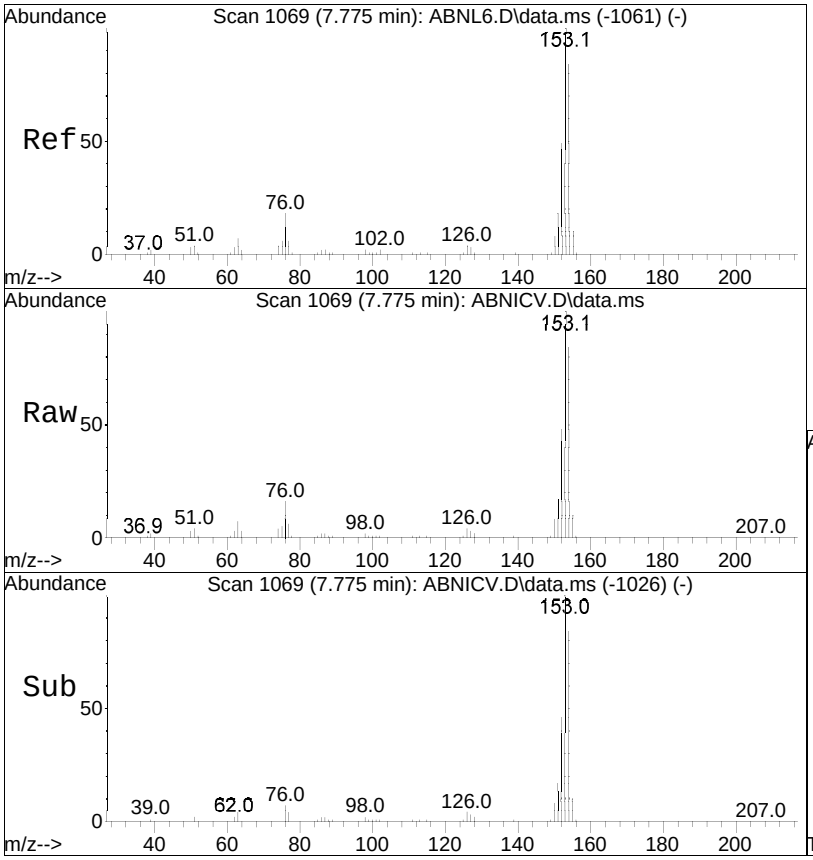


#64
3-Nitroaniline
Concen: 4.92 ug/ml
RT: 7.710 min Scan# 1058
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 19395

Ion	Ratio	Lower	Upper
138	100		
92	107.4	92.8	139.2
108	9.2	7.9	11.9

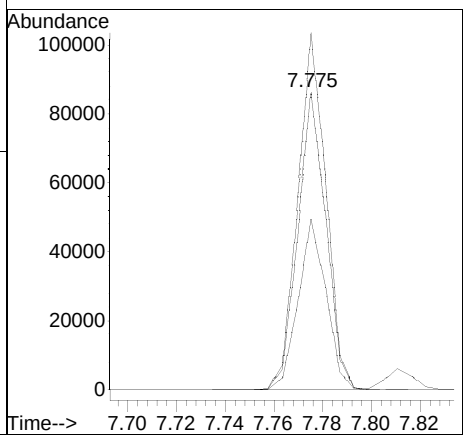


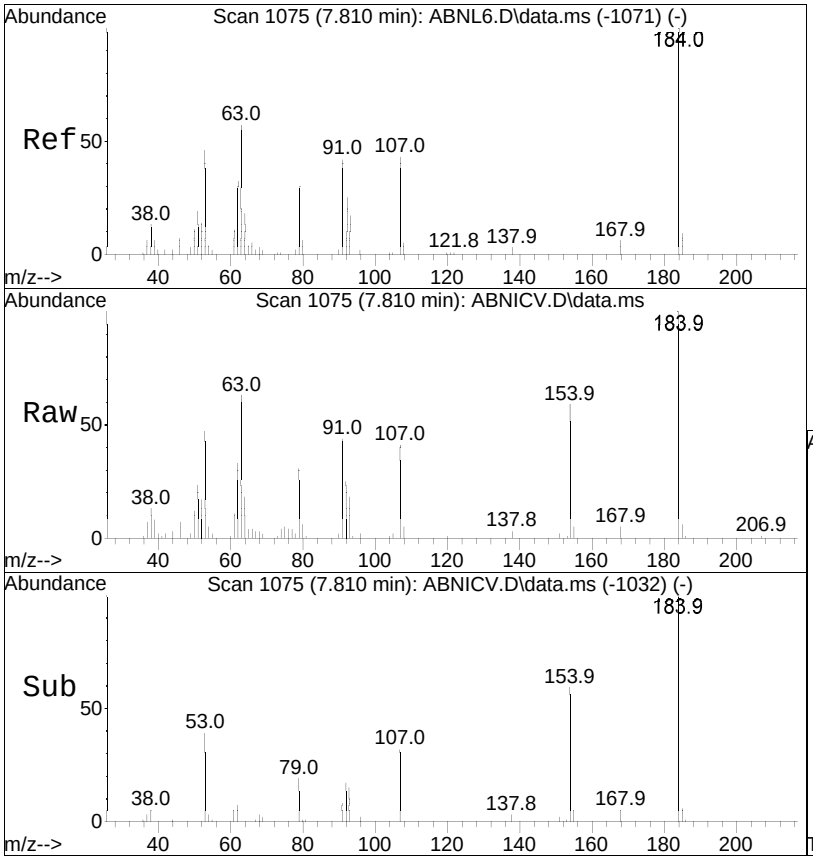


#65
Acenaphthene
Concen: 4.70 ug/ml
RT: 7.775 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:154 Resp: 69117

Ion	Ratio	Lower	Upper
154	100		
153	119.3	93.0	139.4
152	56.9	43.3	64.9

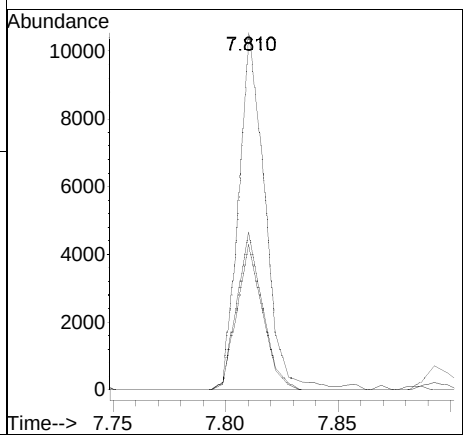


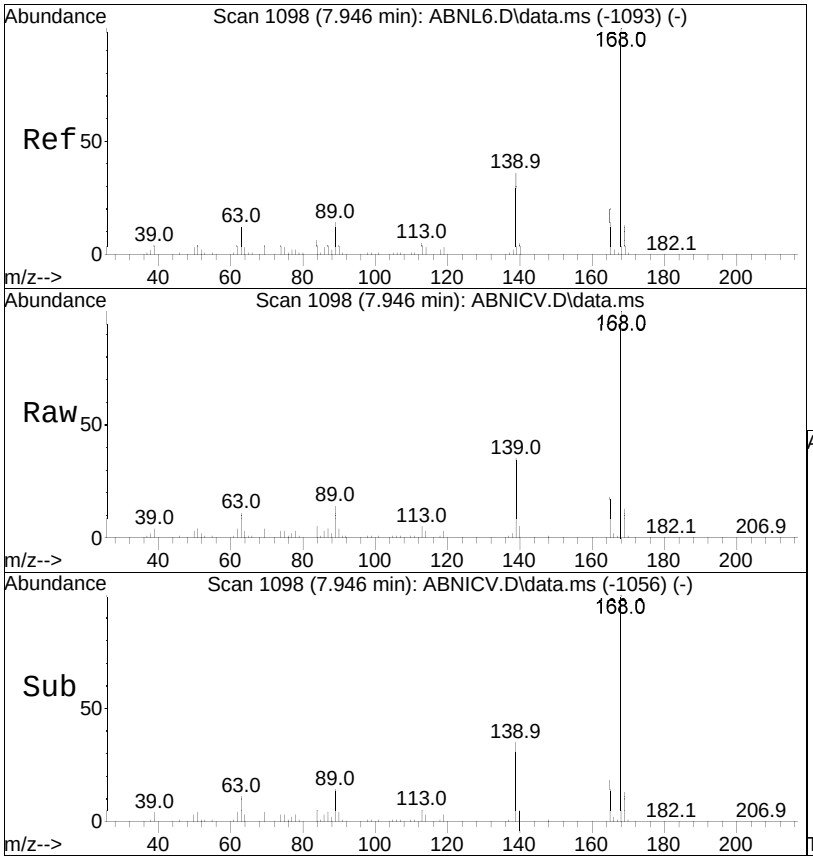


#66
2,4-Dinitrophenol
Concen: 4.10 ug/ml
RT: 7.810 min Scan# 1075
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 8557

Ion	Ratio	Lower	Upper
184	100		
107	39.8	41.8	62.6#
91	43.2	44.2	66.2#

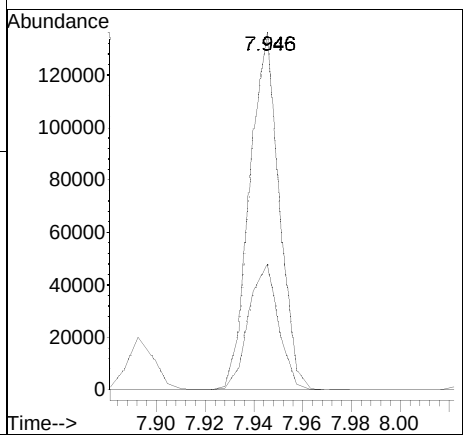


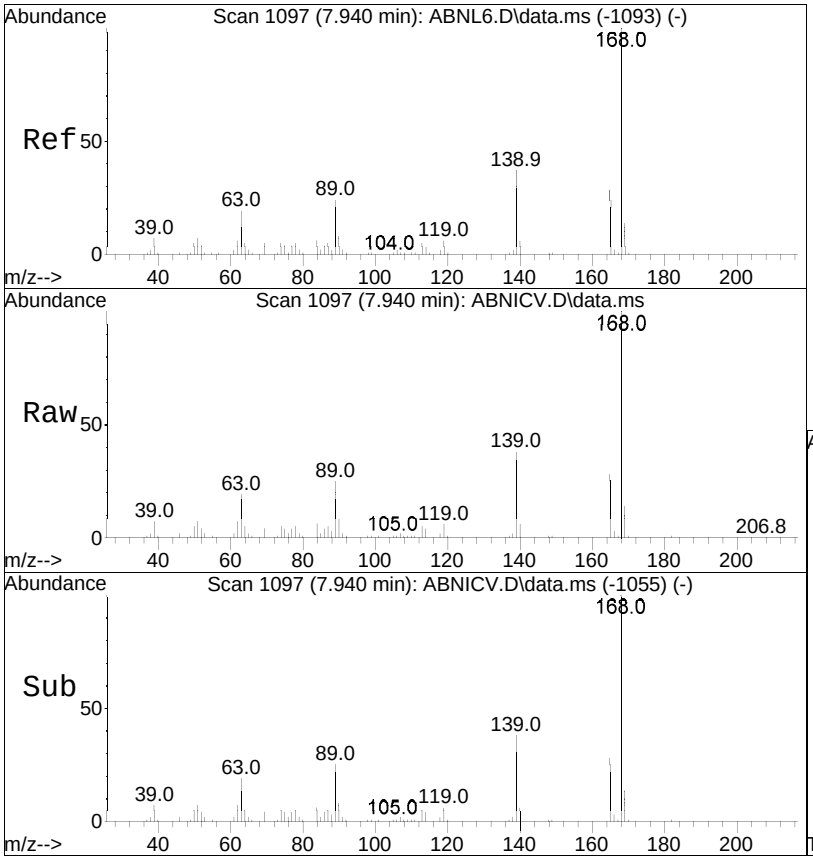


#67
Dibenzofuran
Concen: 4.68 ug/ml
RT: 7.946 min Scan# 1098
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:168 Resp: 113504

Ion	Ratio	Lower	Upper
168	100		
139	35.9	32.3	48.5

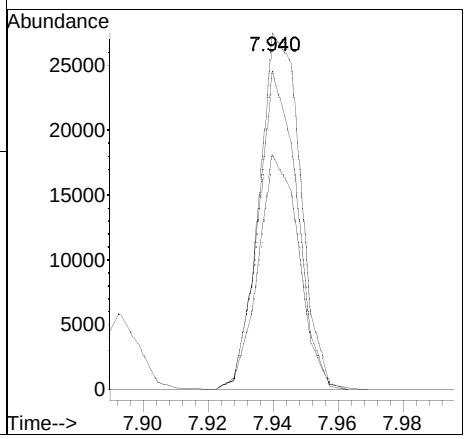


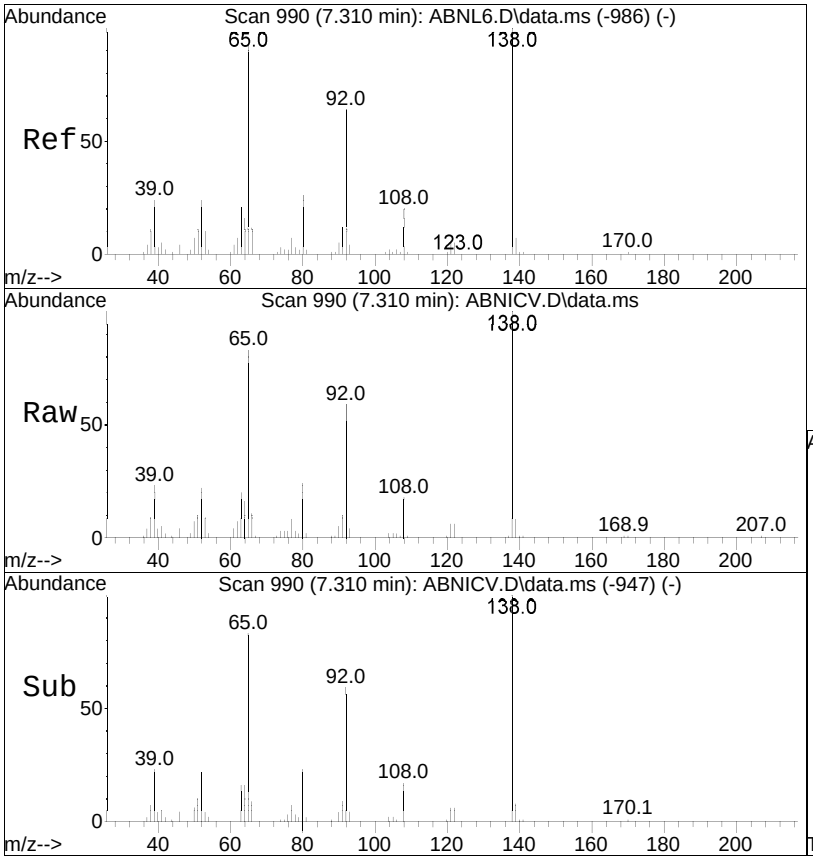


#68
2,4-Dinitrotoluene
Concen: 4.78 ug/ml
RT: 7.940 min Scan# 1097
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:165 Resp: 24166

Ion	Ratio	Lower	Upper
165	100		
89	83.8	73.0	109.4
63	65.2	56.3	84.5

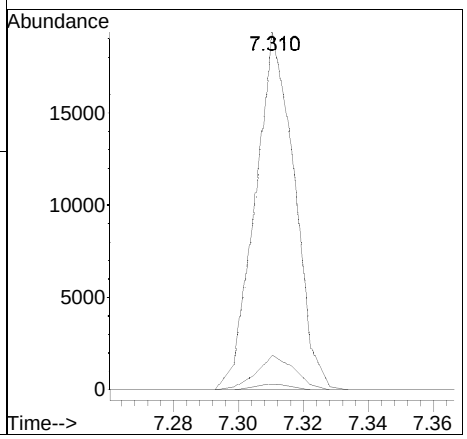


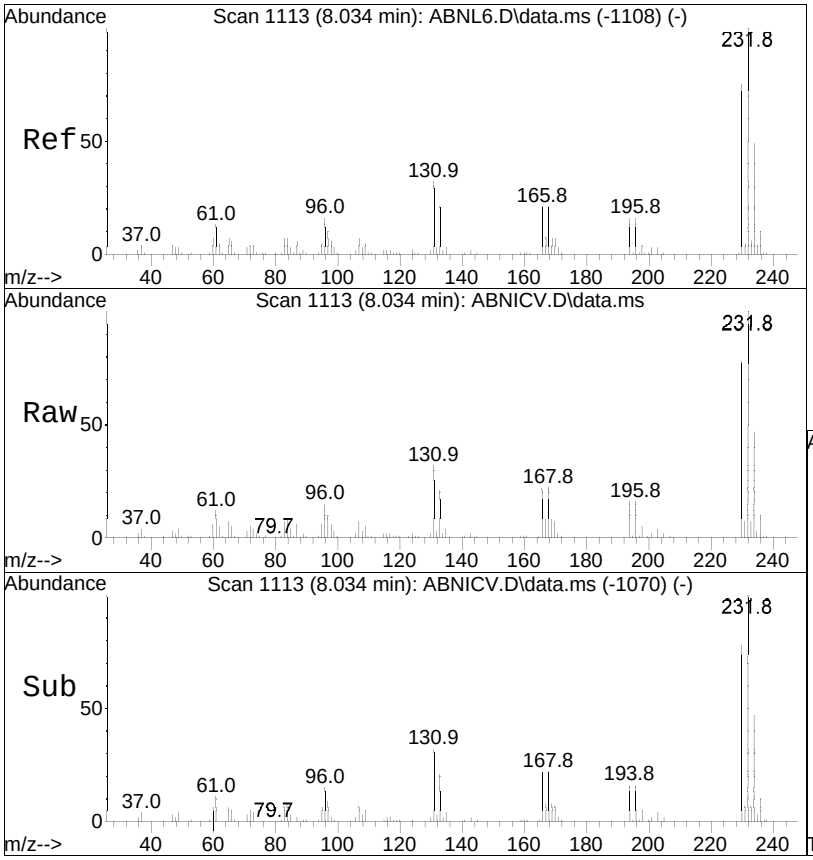


#69
4-Nitrophenol
Concen: 4.20 ug/ml
RT: 7.310 min Scan# 990
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 65 Resp: 16049

Ion	Ratio	Lower	Upper
65	100		
109	0.0	60.2	90.2#
139	9.5	81.1	121.7#

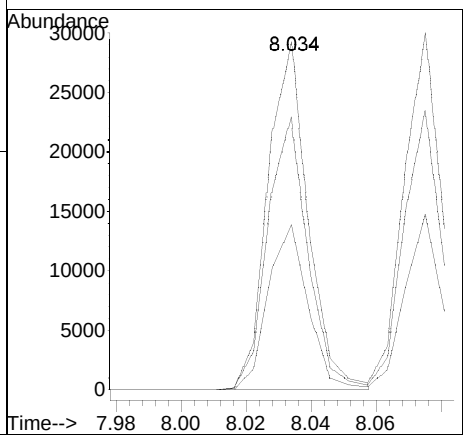


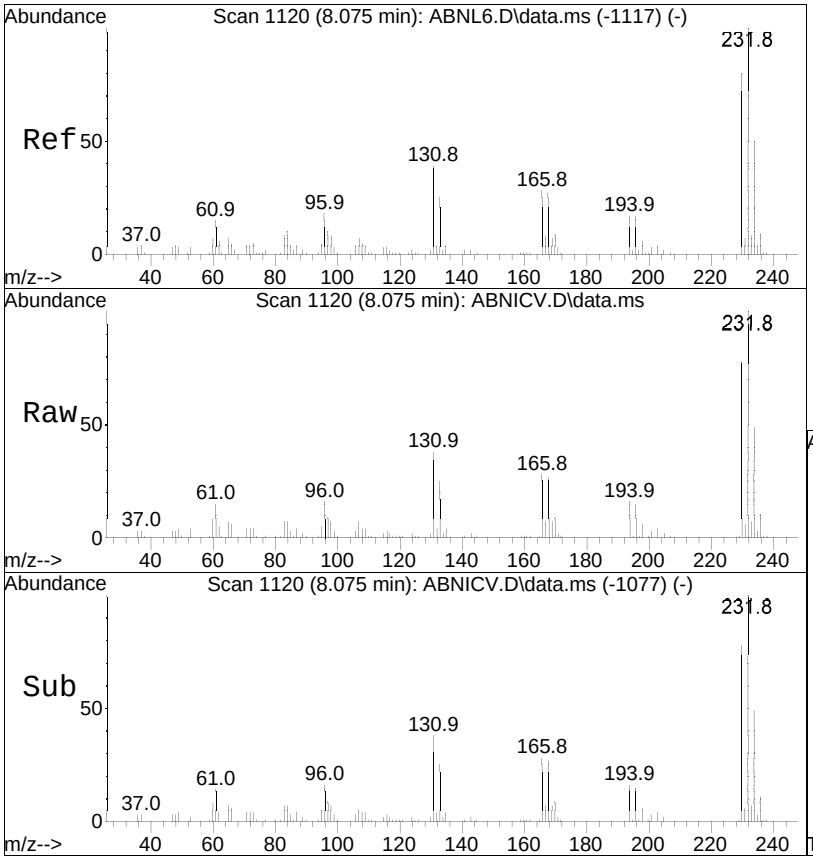


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.06 ug/ml
RT: 8.034 min Scan# 1113
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25150

Ion	Ratio	Lower	Upper
232	100		
230	78.4	63.8	95.8
234	47.4	38.3	57.5

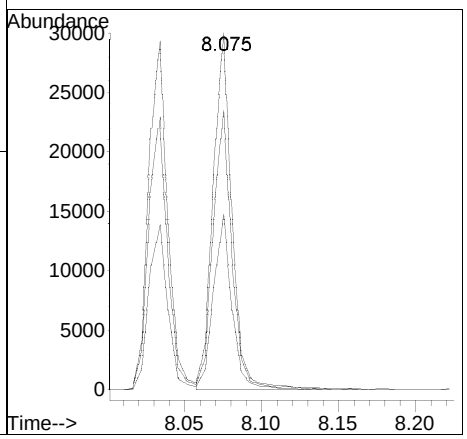


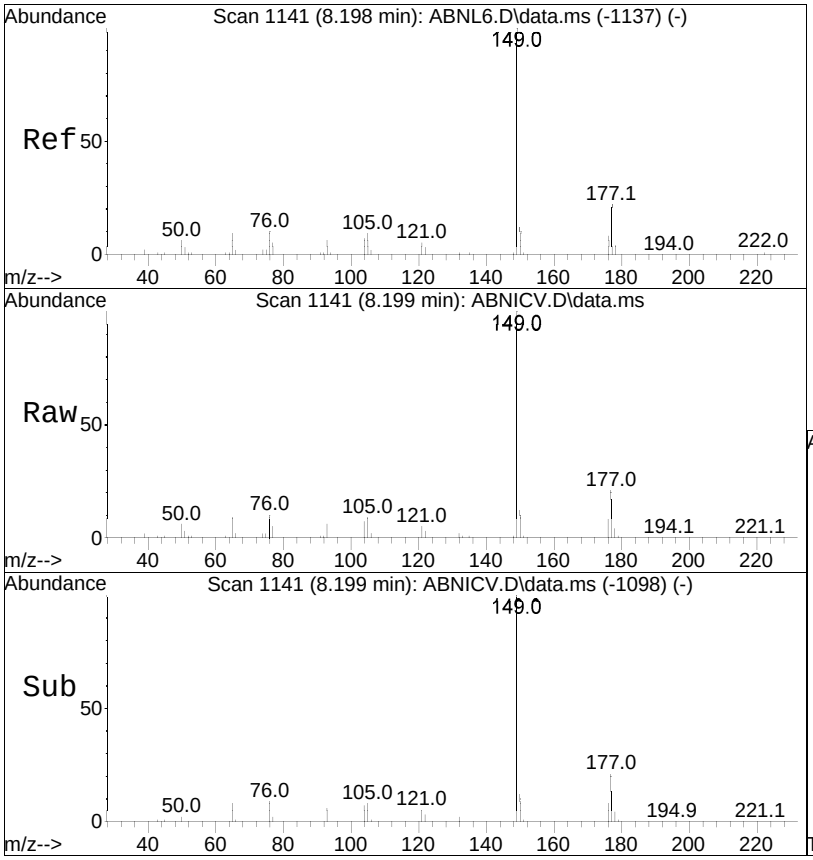


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.30 ug/ml
RT: 8.075 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:232 Resp: 25875

Ion	Ratio	Lower	Upper
232	100		
230	78.0	63.8	95.8
234	47.7	39.0	58.6

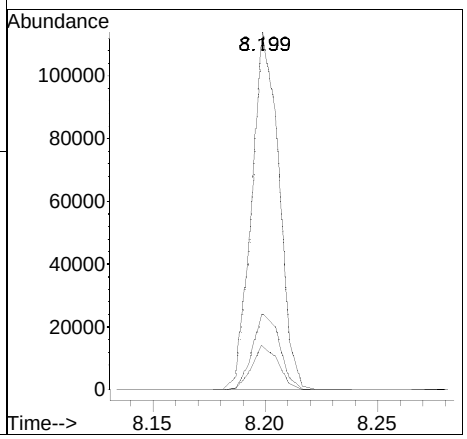


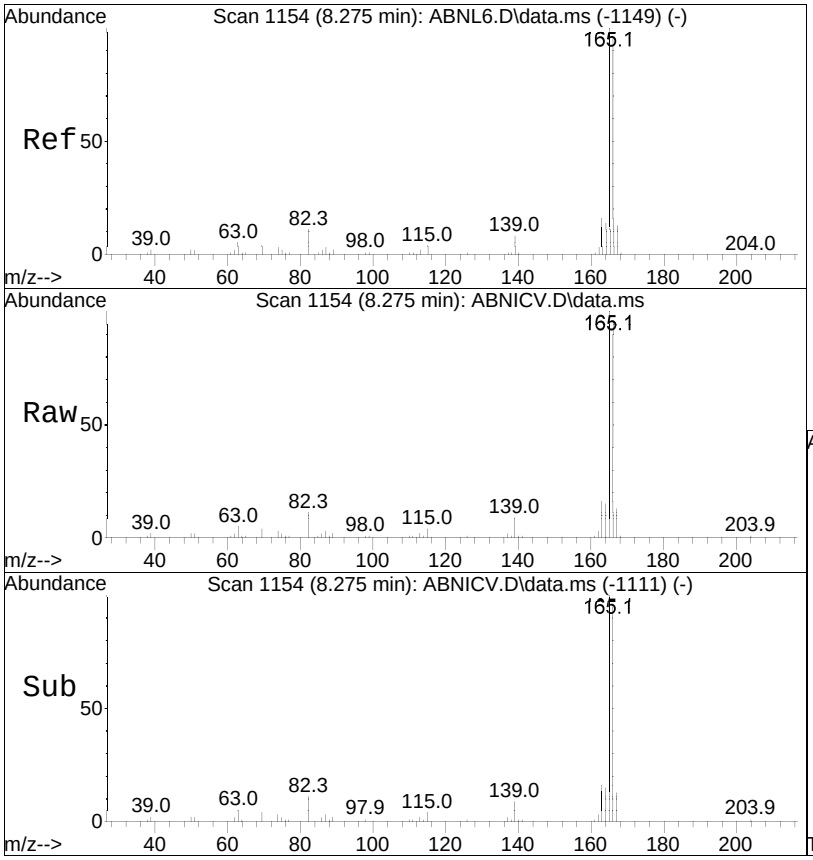


#72
Diethyl phthalate
Concen: 4.82 ug/ml
RT: 8.199 min Scan# 1141
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 94549

Ion	Ratio	Lower	Upper
149	100		
177	21.5	15.0	22.6
150	12.4	9.8	14.6

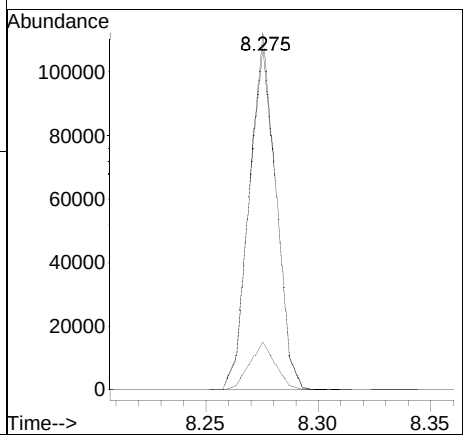


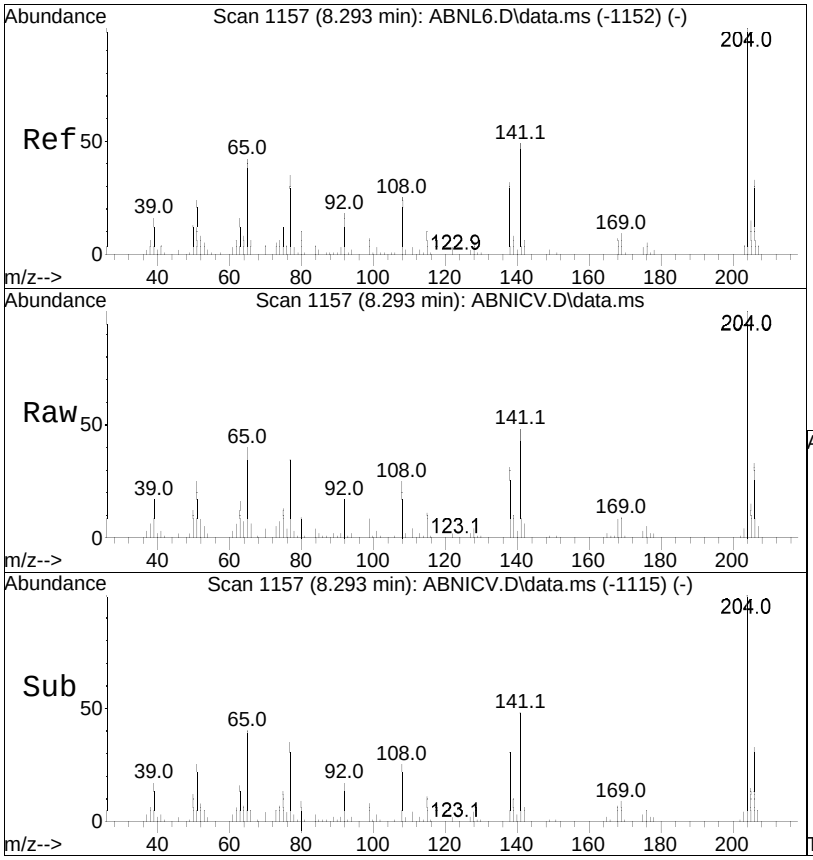


#73
Fluorene
Concen: 4.79 ug/ml
RT: 8.275 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:166 Resp: 90363

Ion	Ratio	Lower	Upper
166	100		
165	102.3	80.0	120.0
167	13.6	10.7	16.1

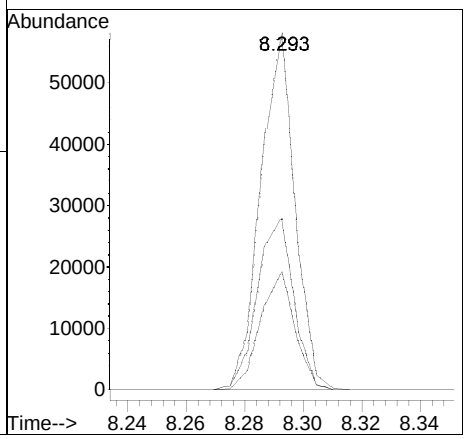


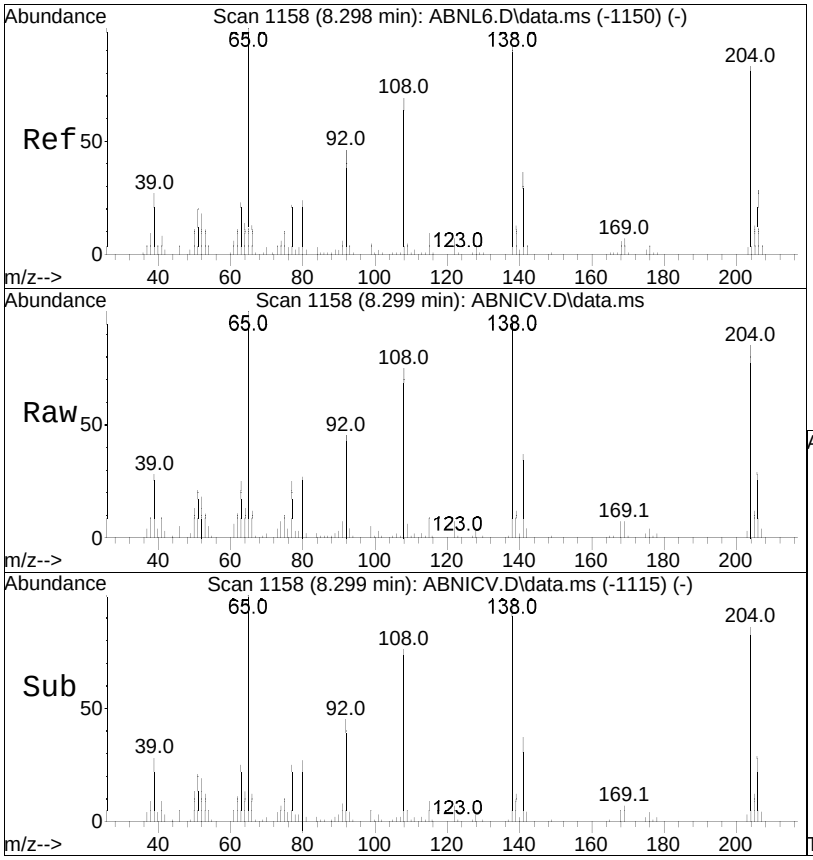


#74
4-Chlorophenyl phenyl ether
Concen: 4.55 ug/ml
RT: 8.293 min Scan# 1157
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:204 Resp: 46843

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.3	39.5
141	51.2	58.4	87.6#

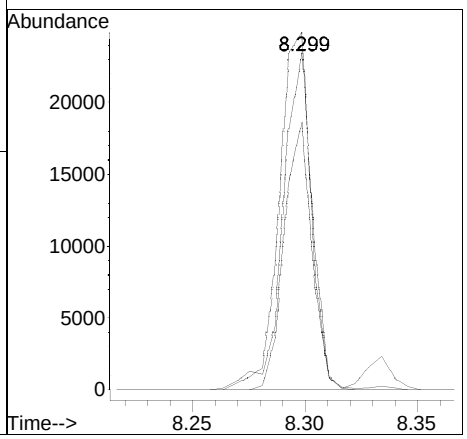


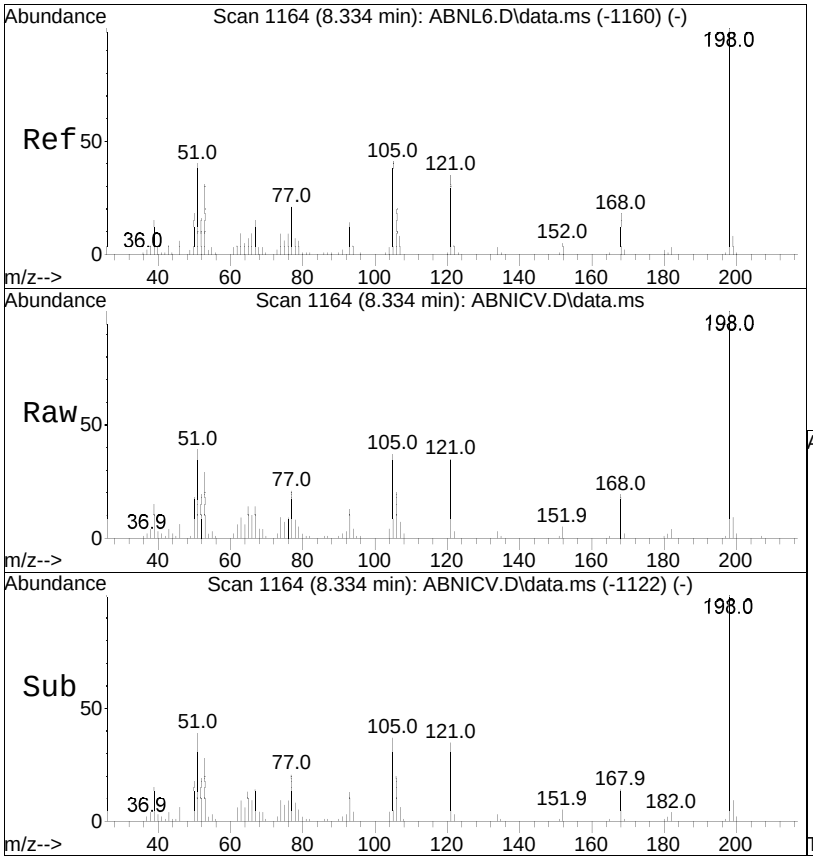


#75
4-Nitroaniline
Concen: 5.09 ug/ml
RT: 8.299 min Scan# 1158
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:138 Resp: 21133

Ion	Ratio	Lower	Upper
138	100		
108	75.4	59.2	88.8
65	114.3	97.6	146.4

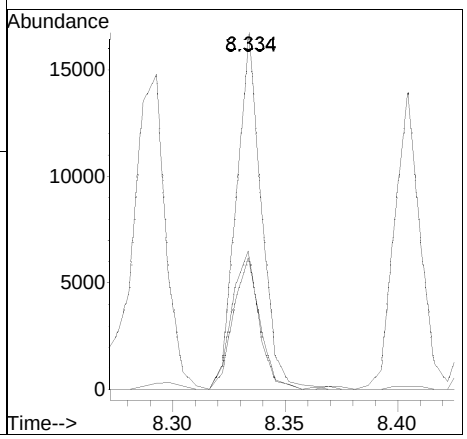


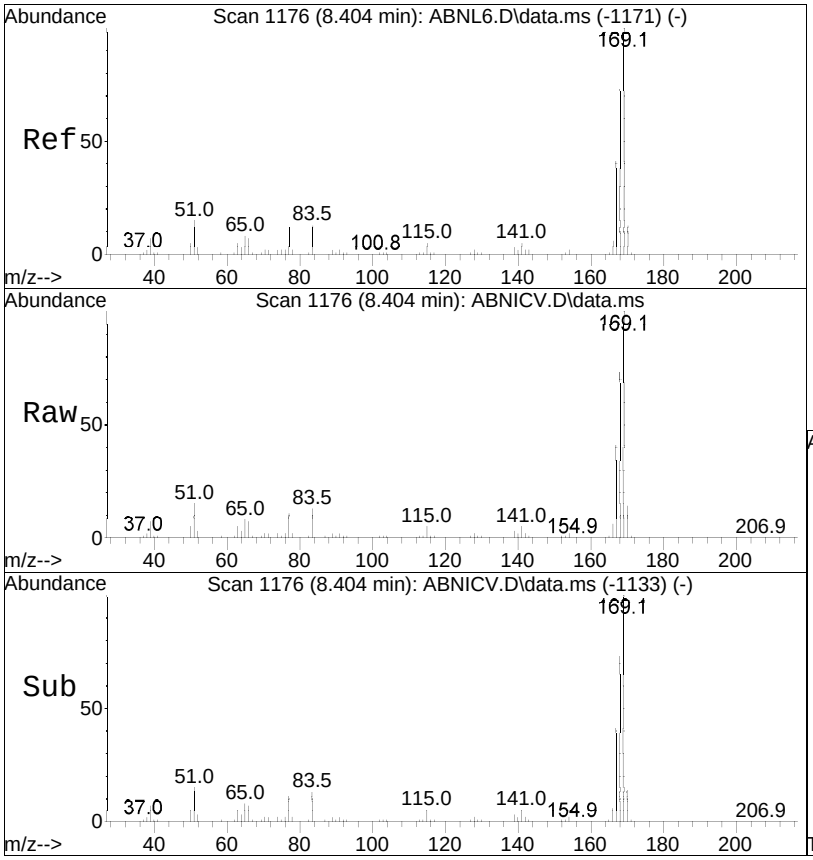


#76
4,6-Dinitro-o-cresol
Concen: 4.08 ug/ml
RT: 8.334 min Scan# 1164
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:198 Resp: 13091

Ion	Ratio	Lower	Upper
198	100		
51	41.4	49.9	74.9#
105	39.4	45.8	68.6#

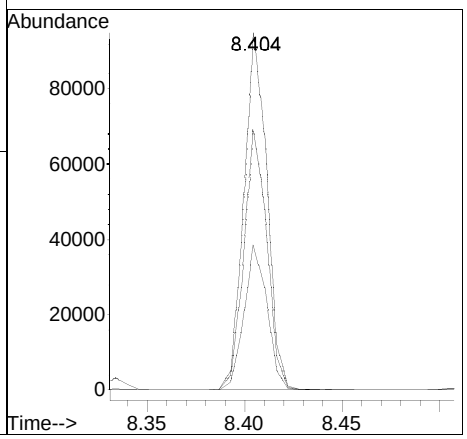


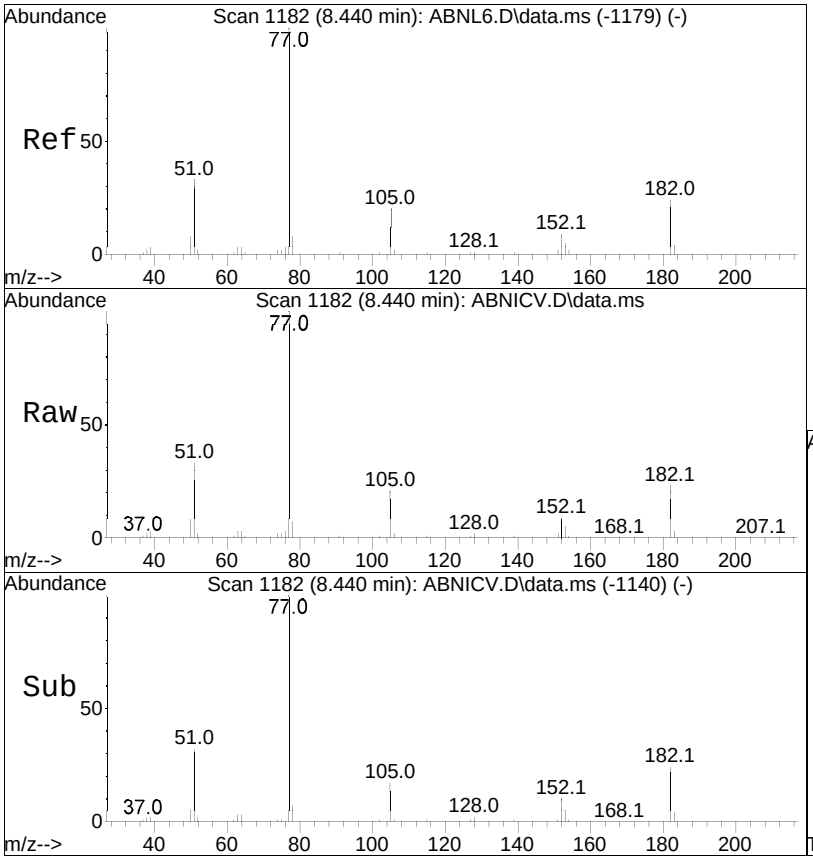


#77
NDPA/DPA
Concen: 4.78 ug/ml
RT: 8.404 min Scan# 1176
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:169 Resp: 77598

Ion	Ratio	Lower	Upper
169	100		
168	72.8	55.2	82.8
167	40.7	30.4	45.6

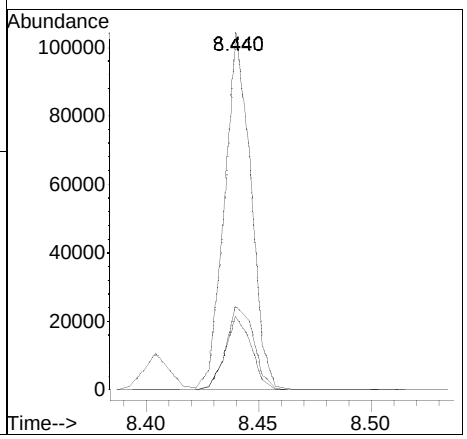


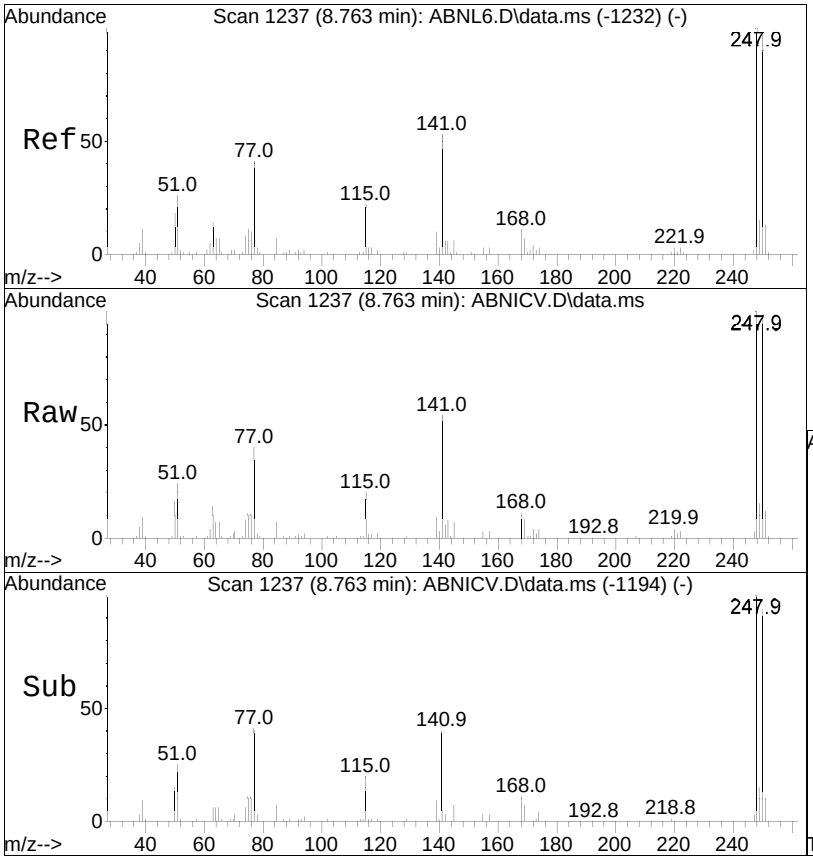


#78
Azobenzene
Concen: 4.87 ug/ml
RT: 8.440 min Scan# 1182
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion: 77 Resp: 83945

Ion	Ratio	Lower	Upper
77	100		
182	24.8	16.2	24.2#
105	20.6	17.9	26.9

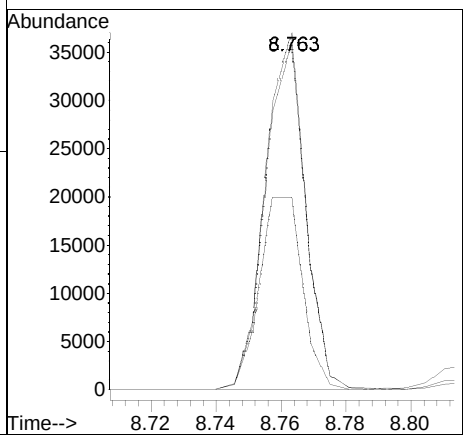


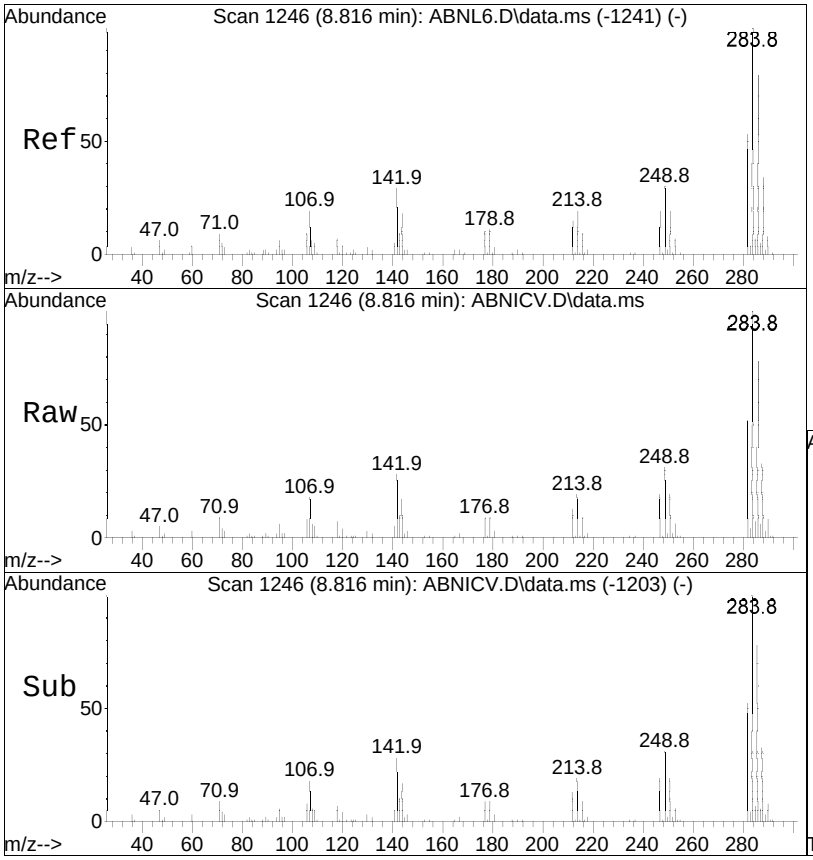


#80
4-Bromophenyl phenyl ether
Concen: 4.77 ug/ml
RT: 8.763 min Scan# 1237
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:248 Resp: 31429

Ion	Ratio	Lower	Upper
248	100		
141	58.0	74.6	111.8#
250	96.9	76.9	115.3

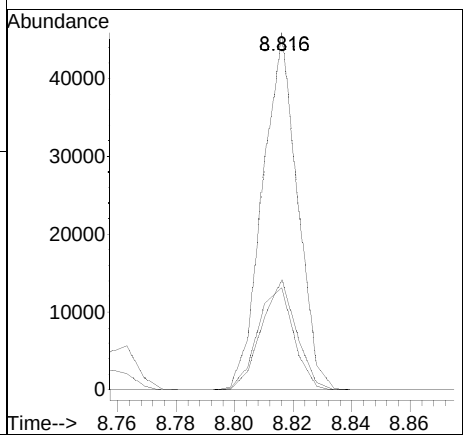


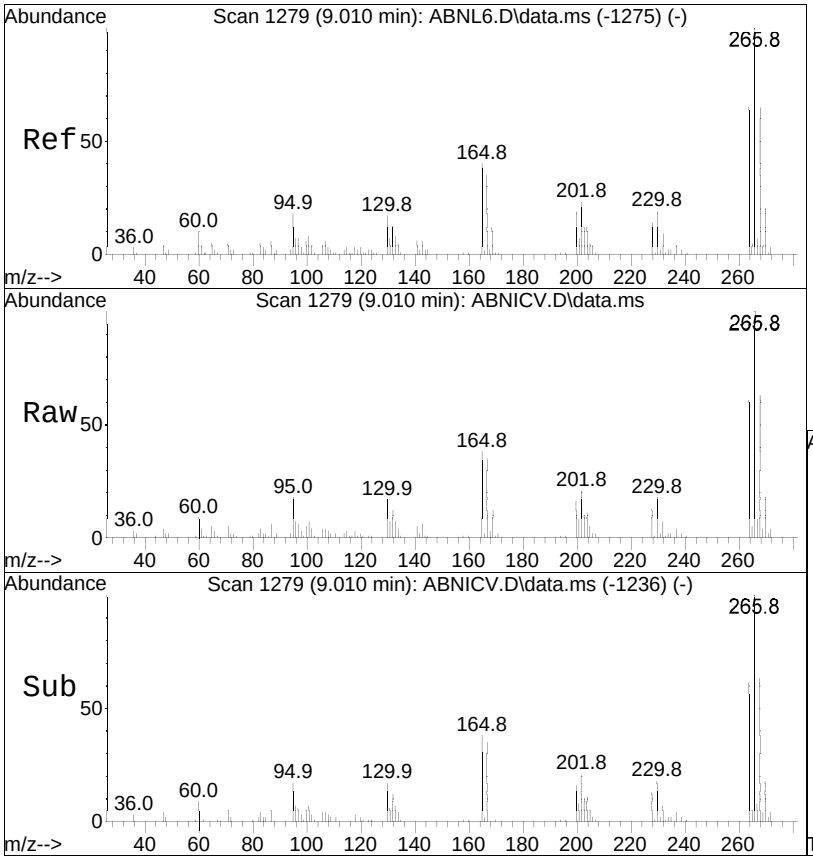


#81
Hexachlorobenzene
Concen: 4.59 ug/ml
RT: 8.816 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:284 Resp: 37993

Ion	Ratio	Lower	Upper
284	100		
142	29.9	37.6	56.4#
249	31.0	25.4	38.2

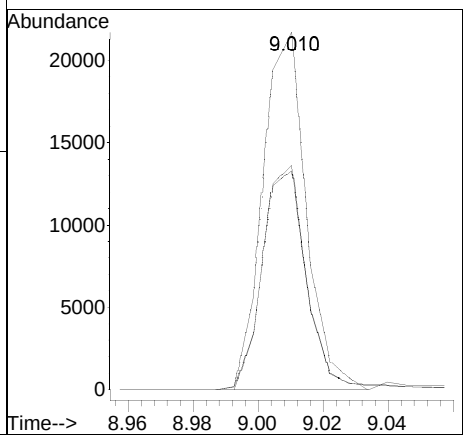


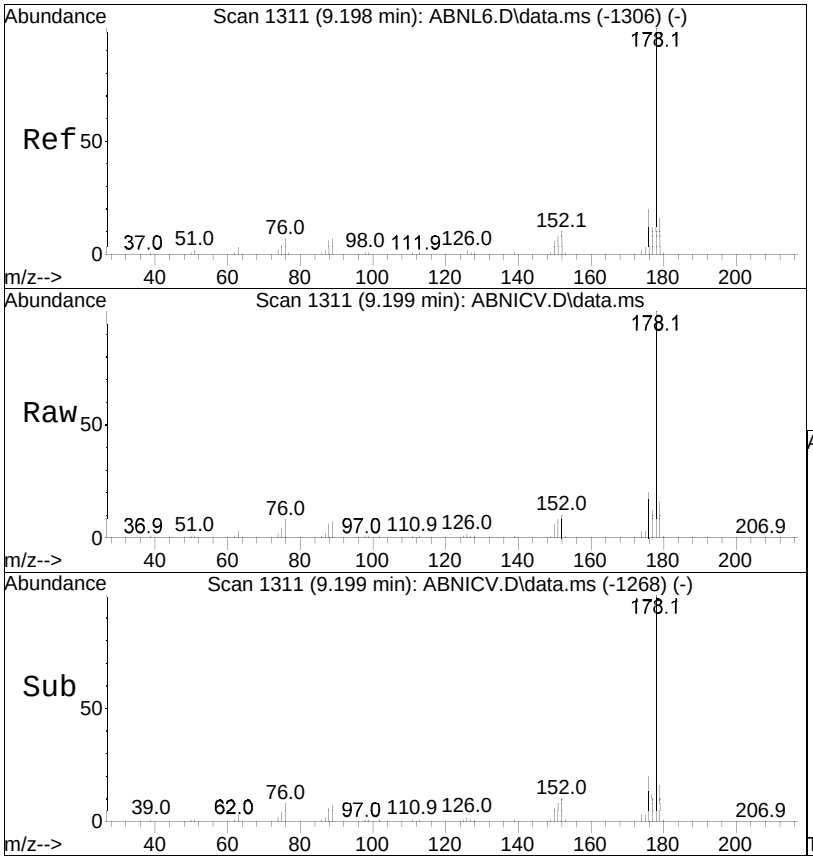


#82
Pentachlorophenol
Concen: 4.72 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:266 Resp: 20072

Ion	Ratio	Lower	Upper
266	100		
264	64.3	50.7	76.1
268	65.6	52.5	78.7

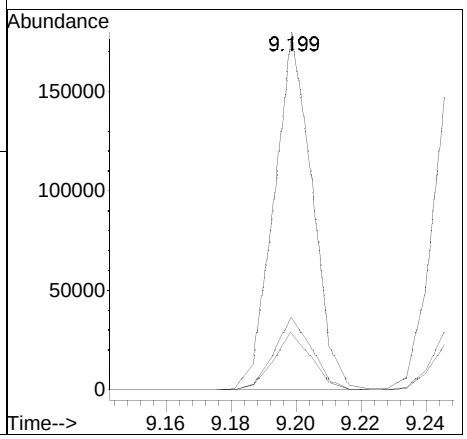


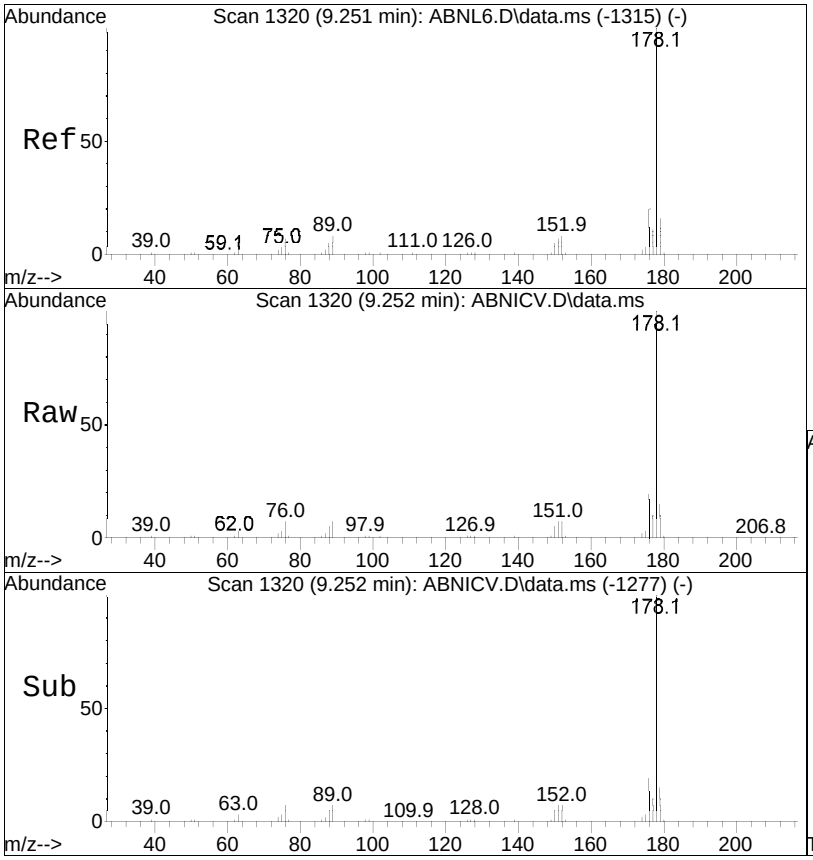


#89
Phenanthrene
Concen: 4.73 ug/ml
RT: 9.199 min Scan# 1311
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 146237

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	20.0	15.4	23.2

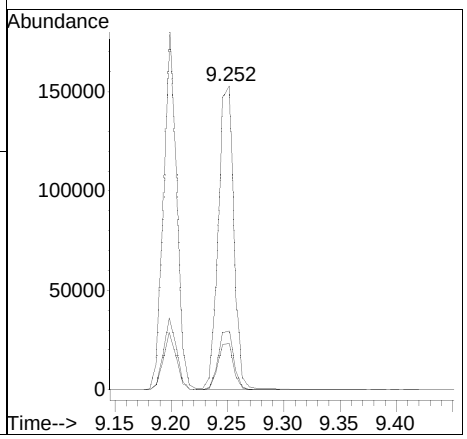


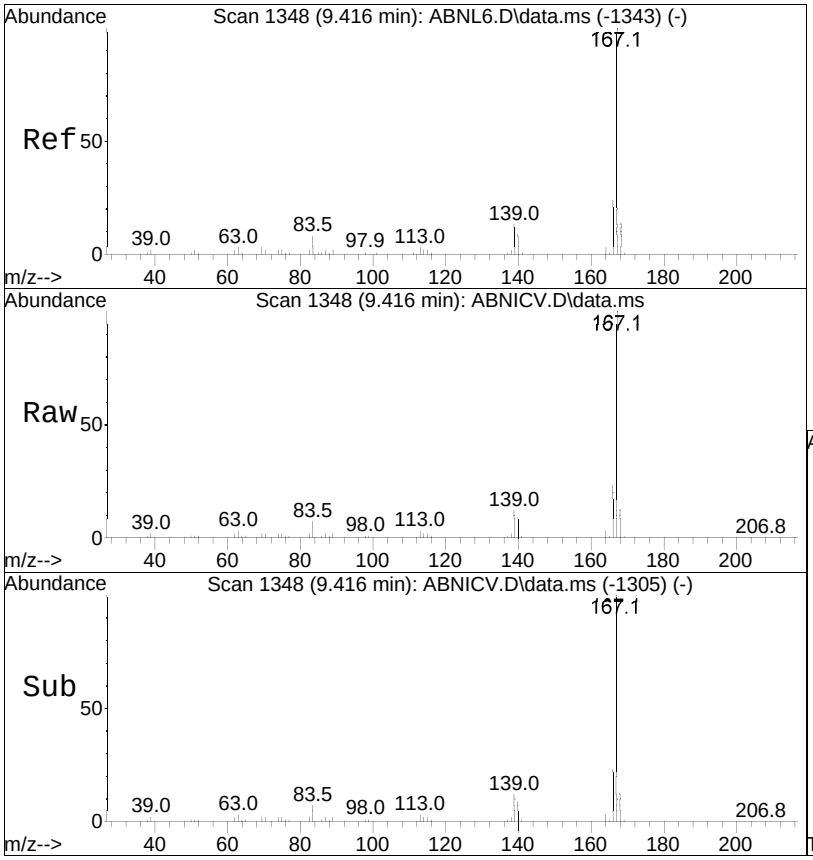


#90
Anthracene
Concen: 4.88 ug/ml
RT: 9.252 min Scan# 1320
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:178 Resp: 147689

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	19.5	15.1	22.7

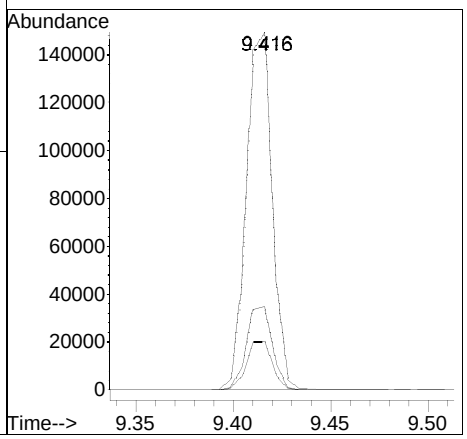


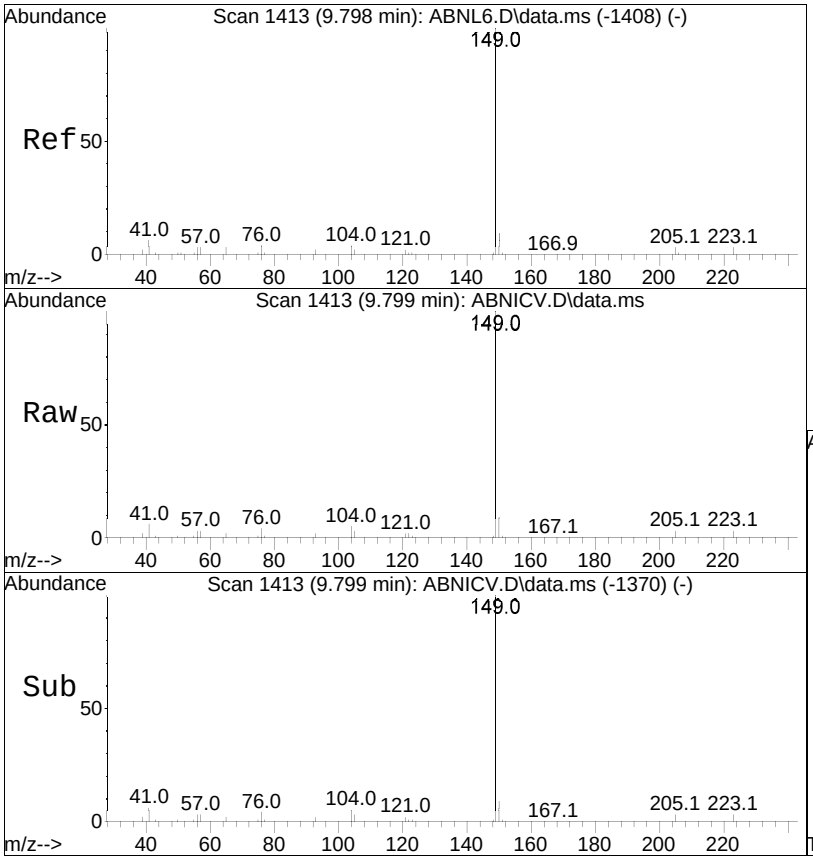


#91
Carbazole
Concen: 4.94 ug/ml
RT: 9.416 min Scan# 1348
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:167 Resp: 136779

Ion	Ratio	Lower	Upper
167	100		
168	13.6	10.8	16.2
166	23.4	17.7	26.5

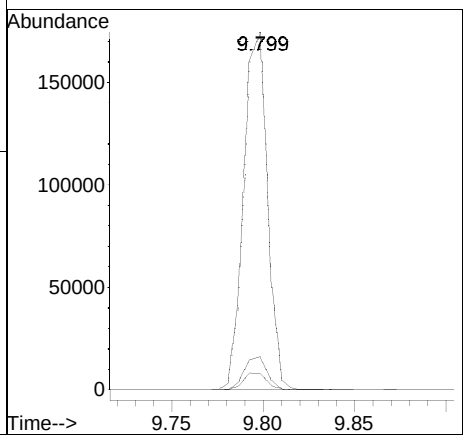


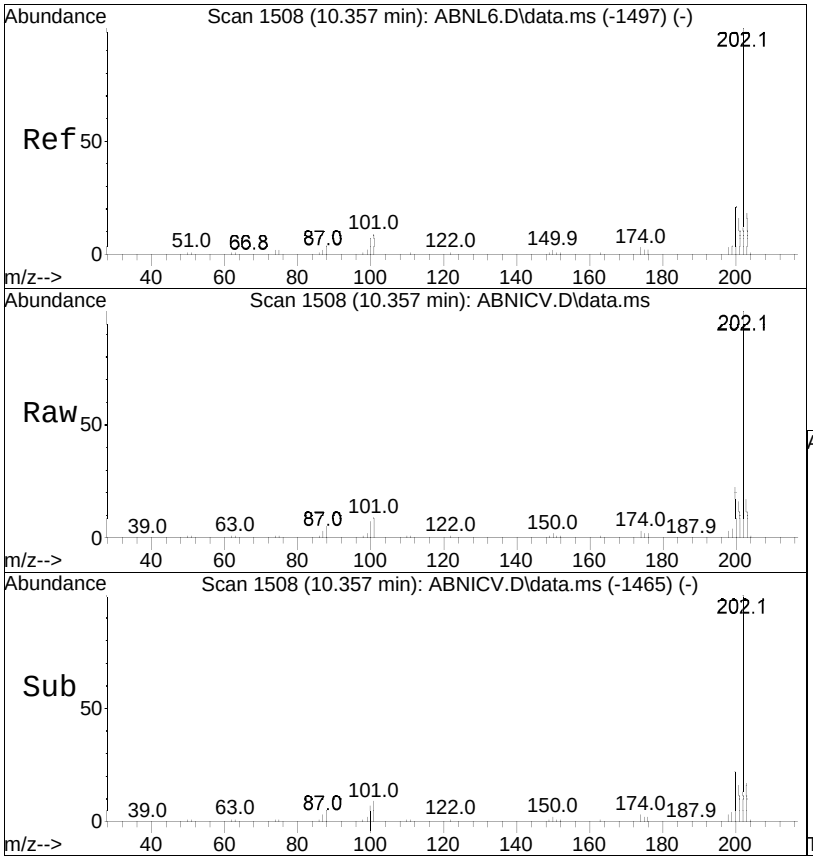


#92
Di-n-butylphthalate
Concen: 5.16 ug/ml
RT: 9.799 min Scan# 1413
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 155812

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.9	4.0	6.0

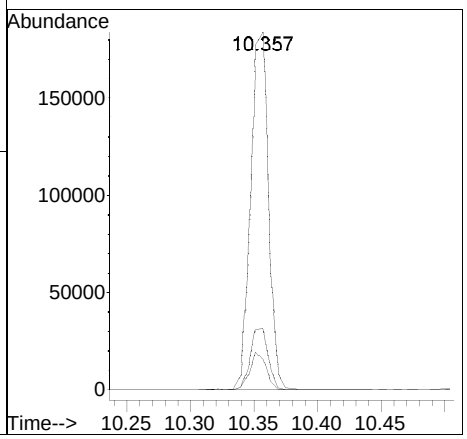


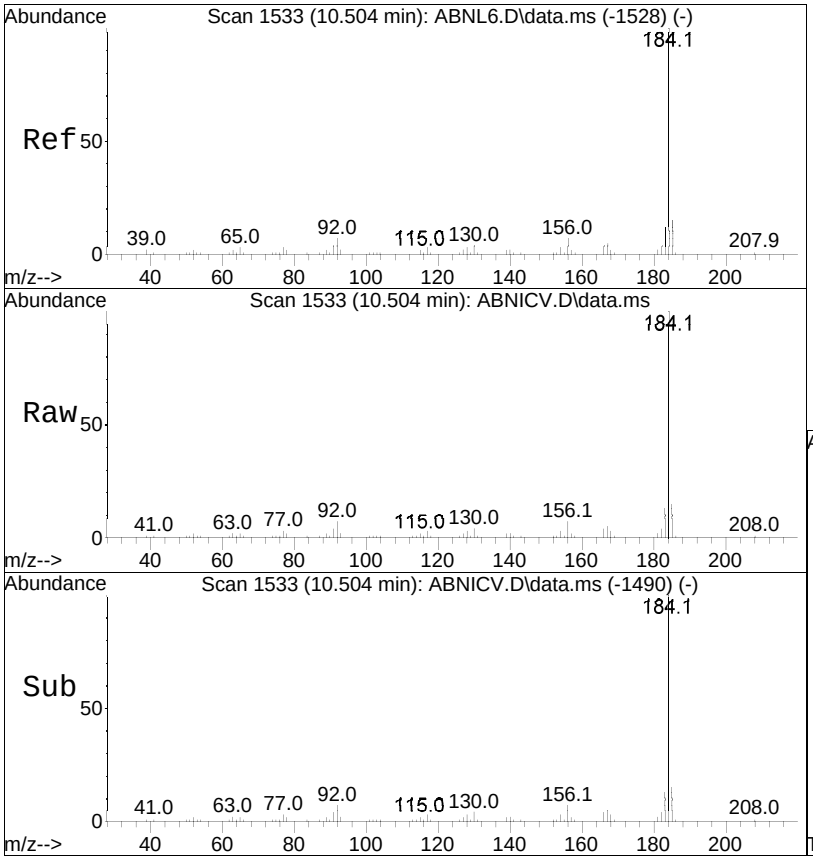


#93
Fluoranthene
Concen: 4.97 ug/ml M3
RT: 10.357 min Scan# 1508
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 178241

Ion	Ratio	Lower	Upper
202	100		
101	12.5	11.2	16.8
203	19.1	13.7	20.5

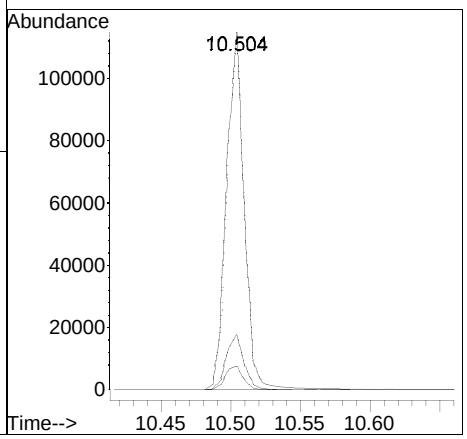


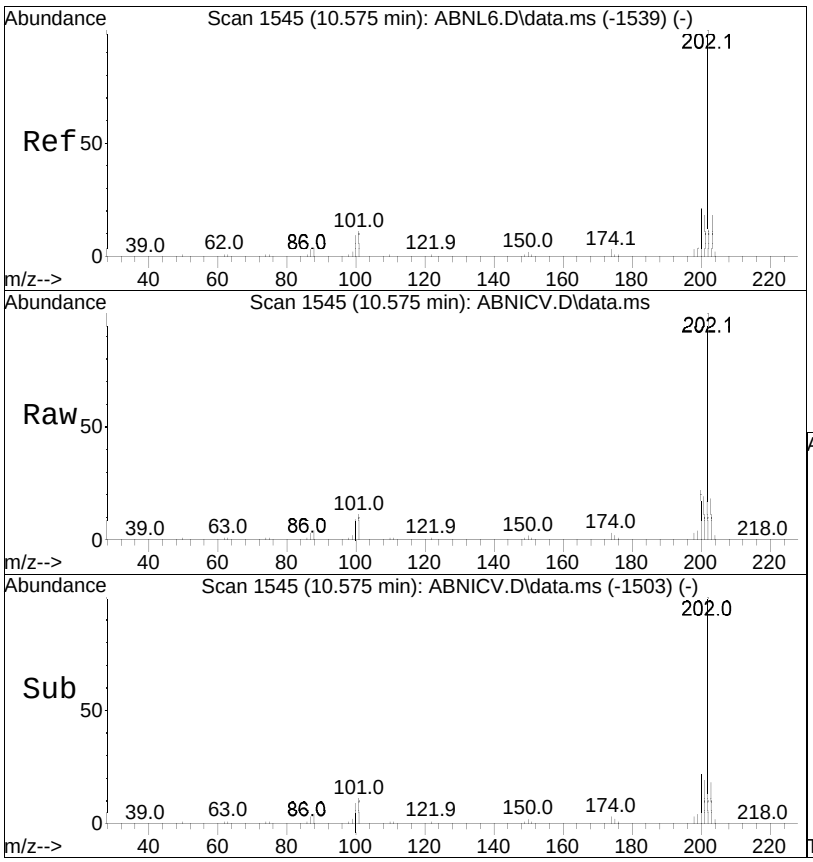


#94
Benzidine
Concen: 5.07 ug/ml
RT: 10.504 min Scan# 1533
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:184 Resp: 99975

Ion	Ratio	Lower	Upper
184	100		
92	6.8	7.3	10.9#
185	15.8	11.8	17.8

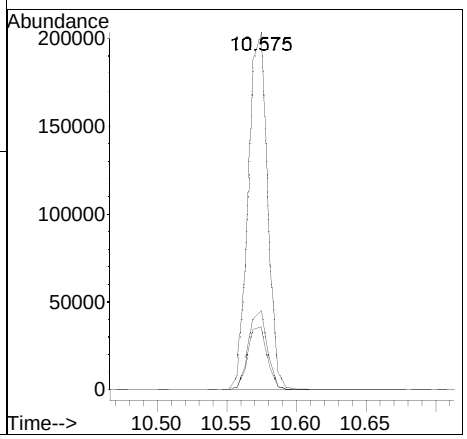


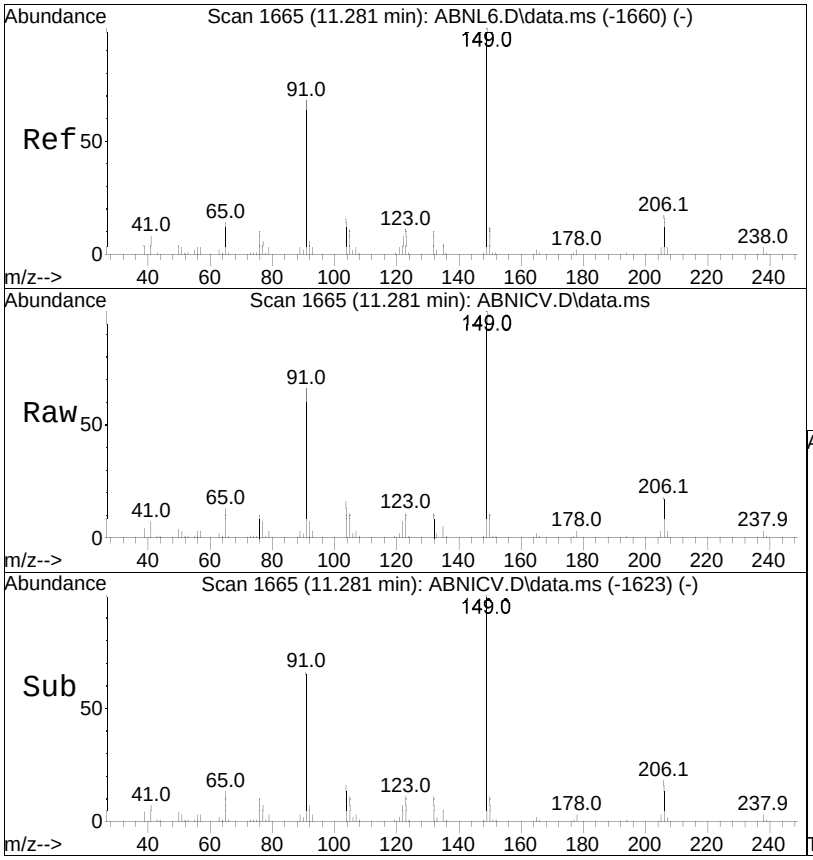


#95
Pyrene
Concen: 5.12 ug/ml
RT: 10.575 min Scan# 1545
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:202 Resp: 194546

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	18.0	14.3	21.5

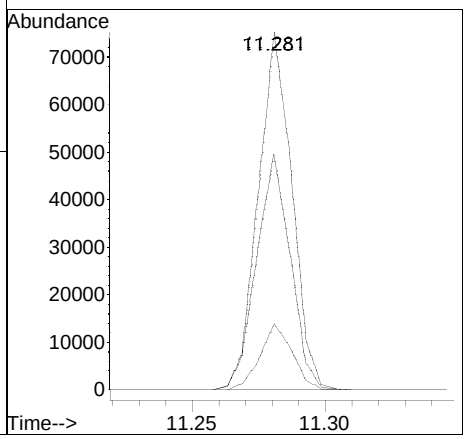


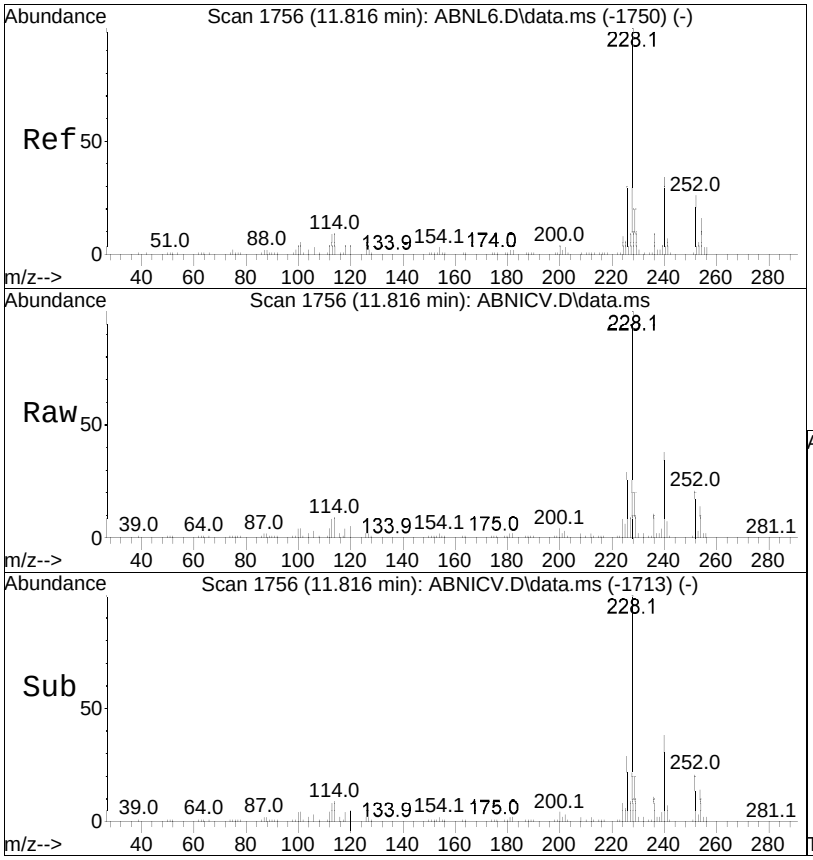


#97
Butyl benzyl phthalate
Concen: 4.89 ug/ml
RT: 11.281 min Scan# 1665
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 65418

Ion	Ratio	Lower	Upper
149	100		
91	66.4	57.9	86.9
206	17.7	11.9	17.9

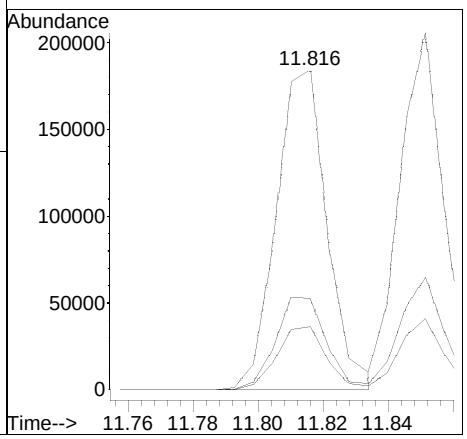


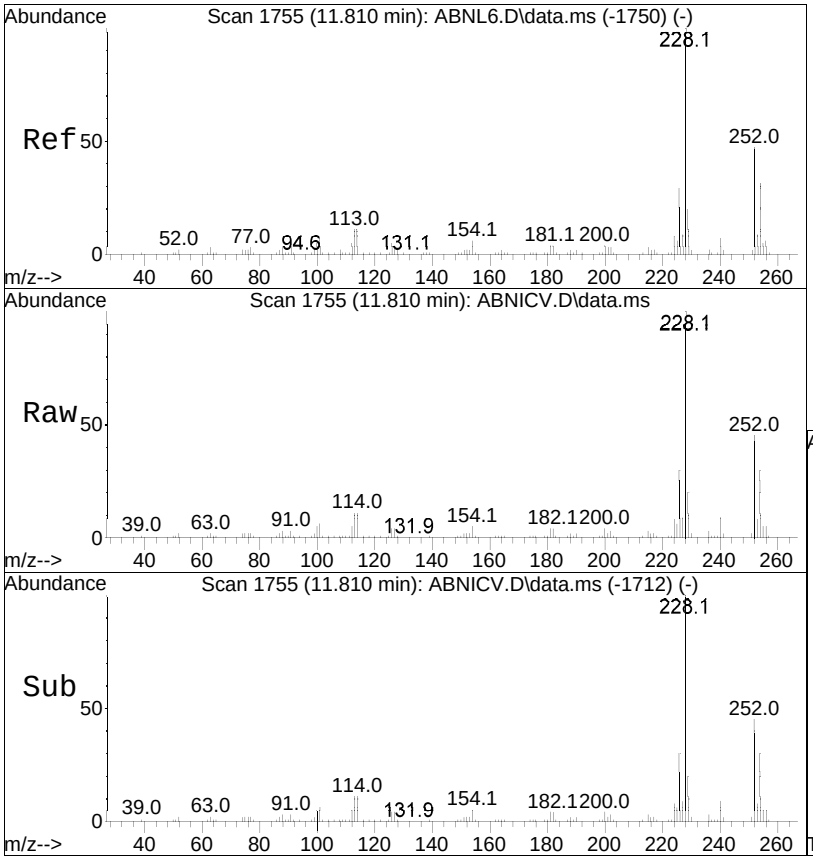


#105
Benzo(a)anthracene
Concen: 4.86 ug/ml
RT: 11.816 min Scan# 1756
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 199667

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	34.0
229	19.6	15.8	23.6

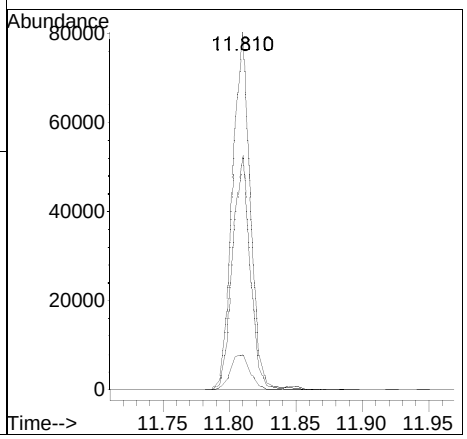


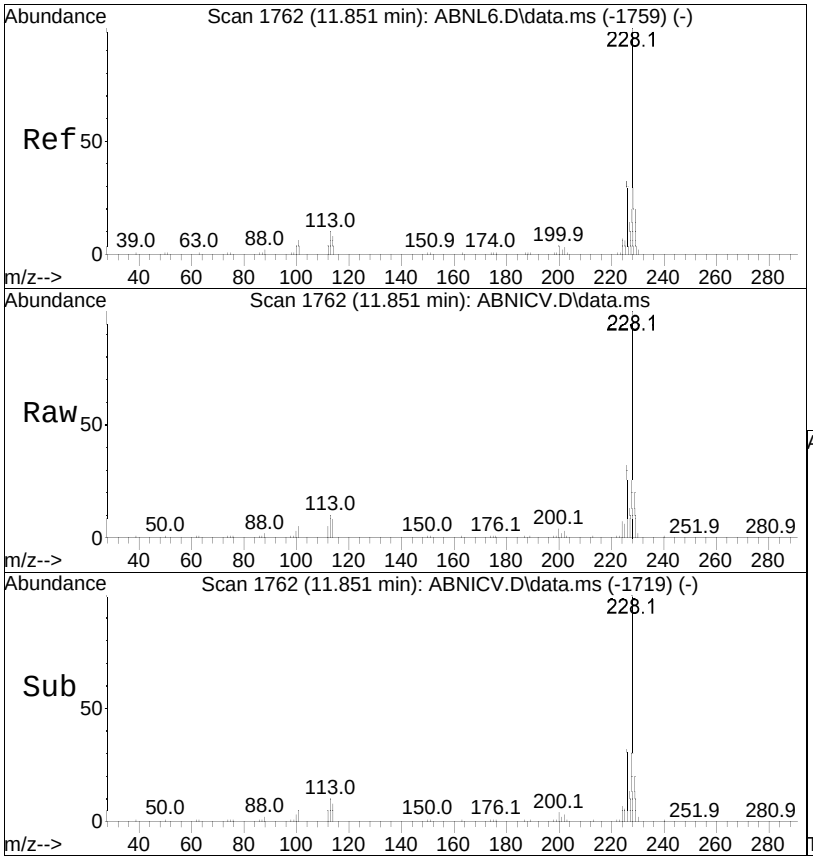


#106
3,3'-Dichlorobenzidine
Concen: 4.98 ug/ml
RT: 11.810 min Scan# 1755
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 74502

Ion	Ratio	Lower	Upper
252	100		
126	11.0	12.6	19.0#
254	64.6	51.1	76.7

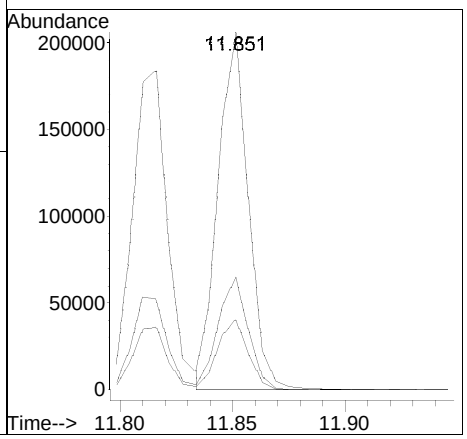


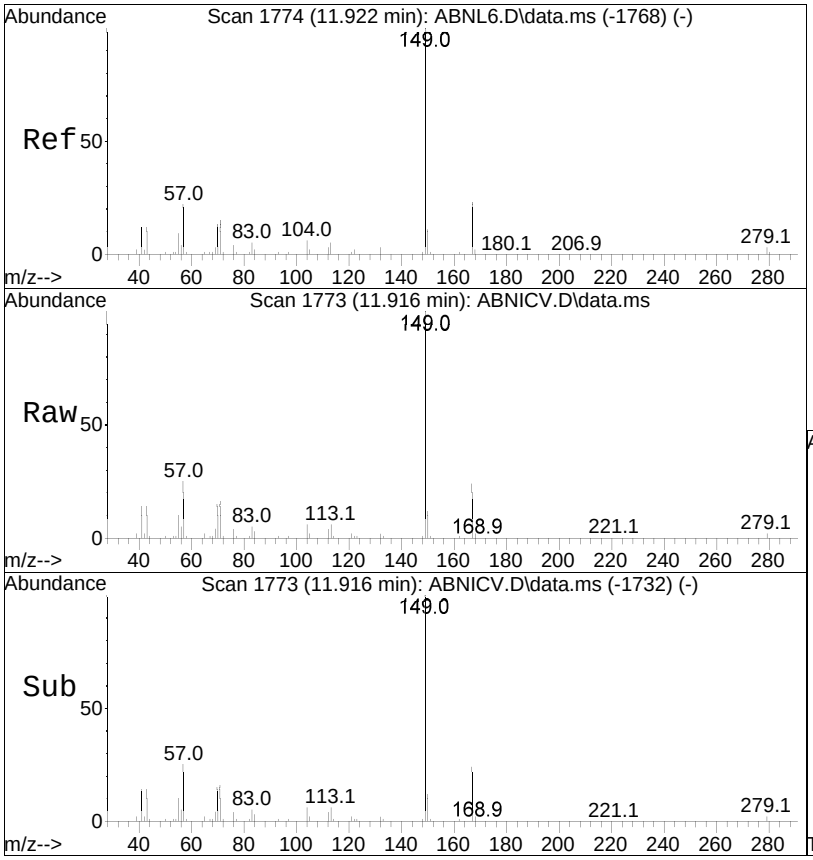


#107
Chrysene
Concen: 4.78 ug/ml
RT: 11.851 min Scan# 1762
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:228 Resp: 192294

Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.7	37.1
229	20.0	15.5	23.3

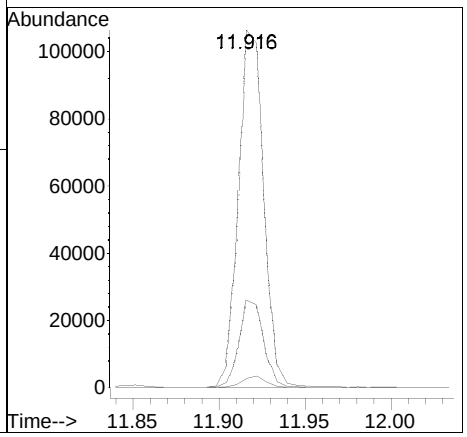


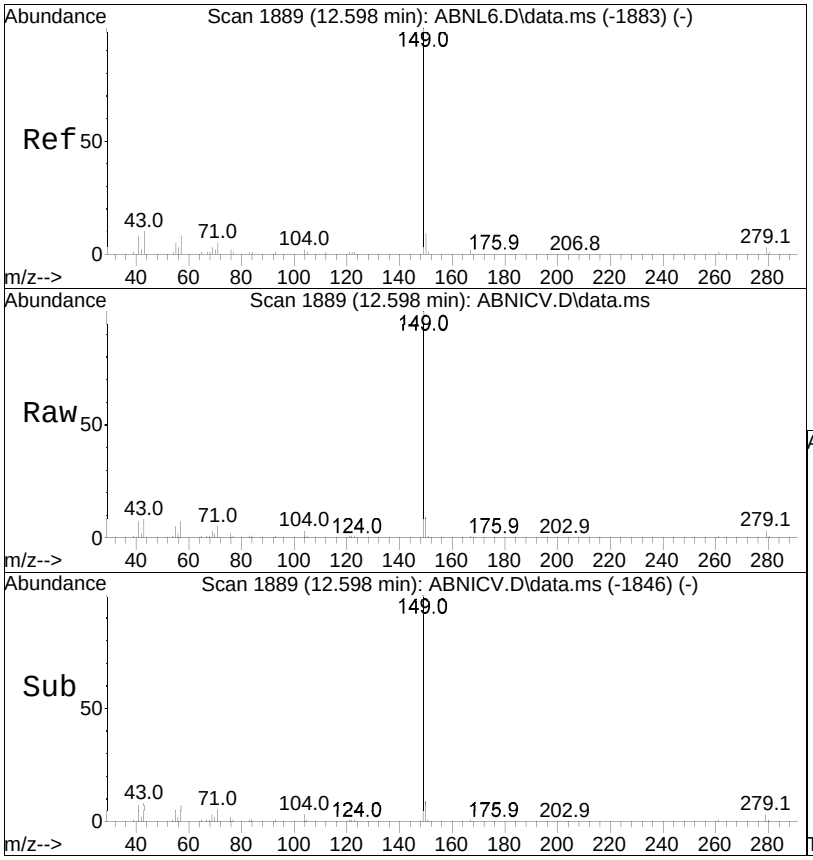


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.26 ug/ml
RT: 11.916 min Scan# 1773
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 107331

Ion	Ratio	Lower	Upper
149	100		
167	23.9	18.4	27.6
279	2.8	1.7	2.5#

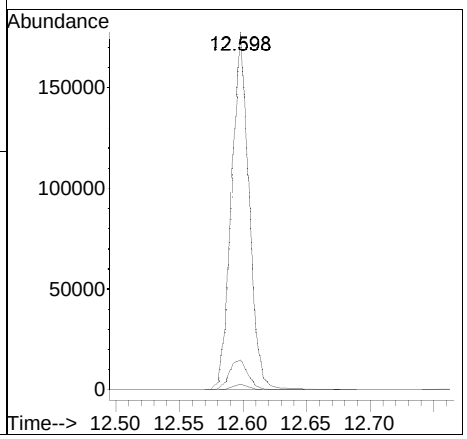


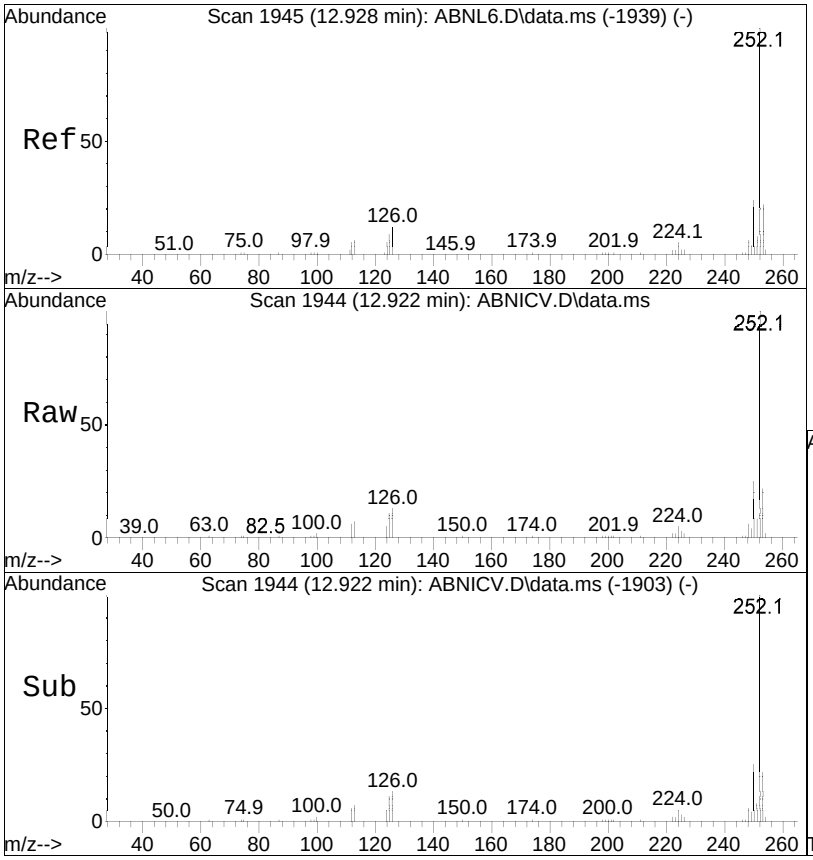


#109
Di-n-octylphthalate
Concen: 5.33 ug/ml
RT: 12.598 min Scan# 1889
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:149 Resp: 166682

Ion	Ratio	Lower	Upper
149	100		
43	9.1	8.2	12.2
167	1.4	1.1	1.7

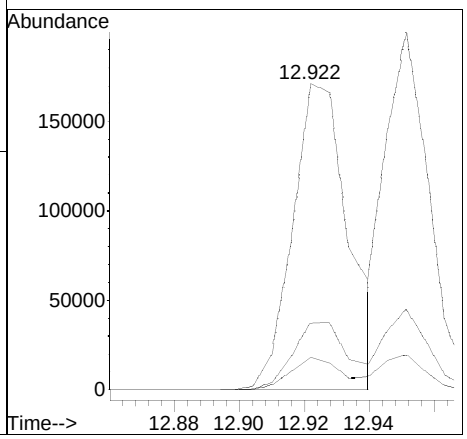


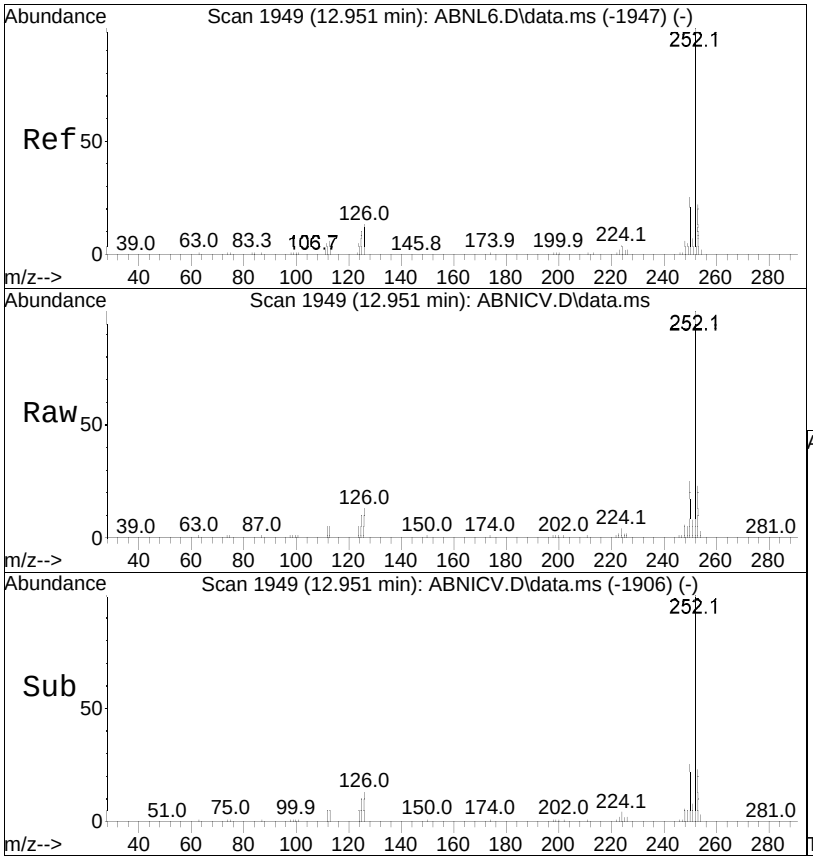


#110
Benzo(b)fluoranthene
Concen: 4.90 ug/ml
RT: 12.922 min Scan# 1944
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 206155

Ion	Ratio	Lower	Upper
252	100		
125	9.1	11.3	16.9#
253	22.2	17.8	26.8

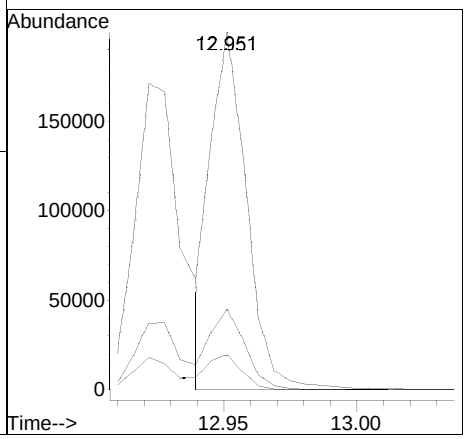


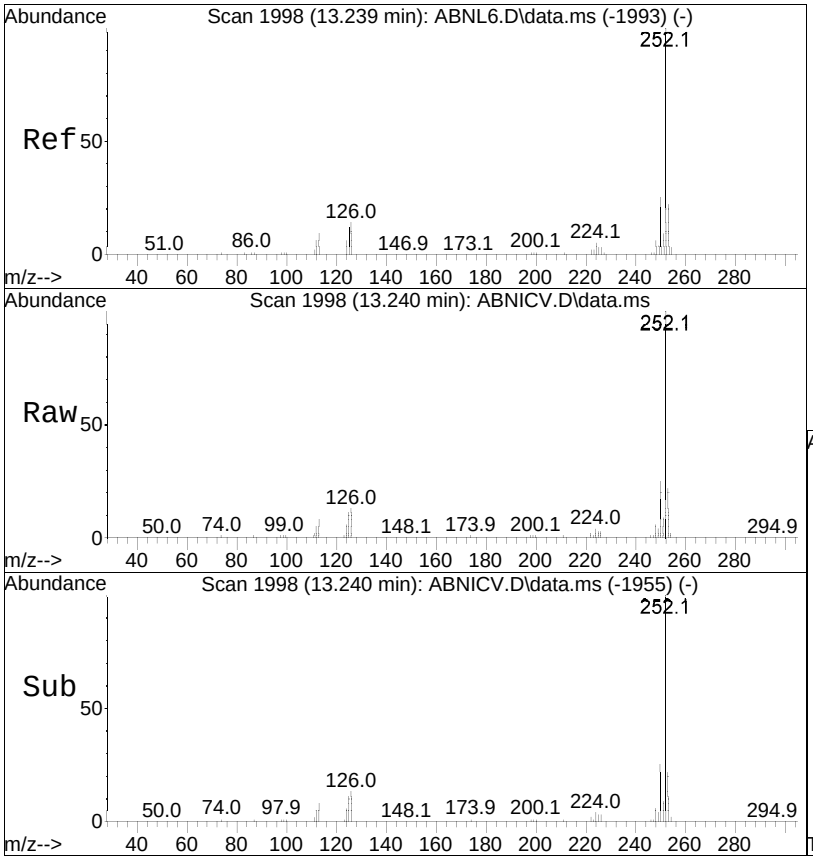


#111
Benzo(k)fluoranthene
Concen: 4.94 ug/ml M3
RT: 12.951 min Scan# 1949
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 190009

Ion	Ratio	Lower	Upper
252	100		
125	9.8	11.5	17.3#
253	24.1	17.6	26.4

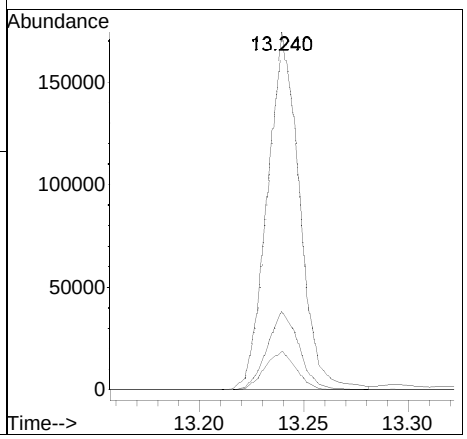


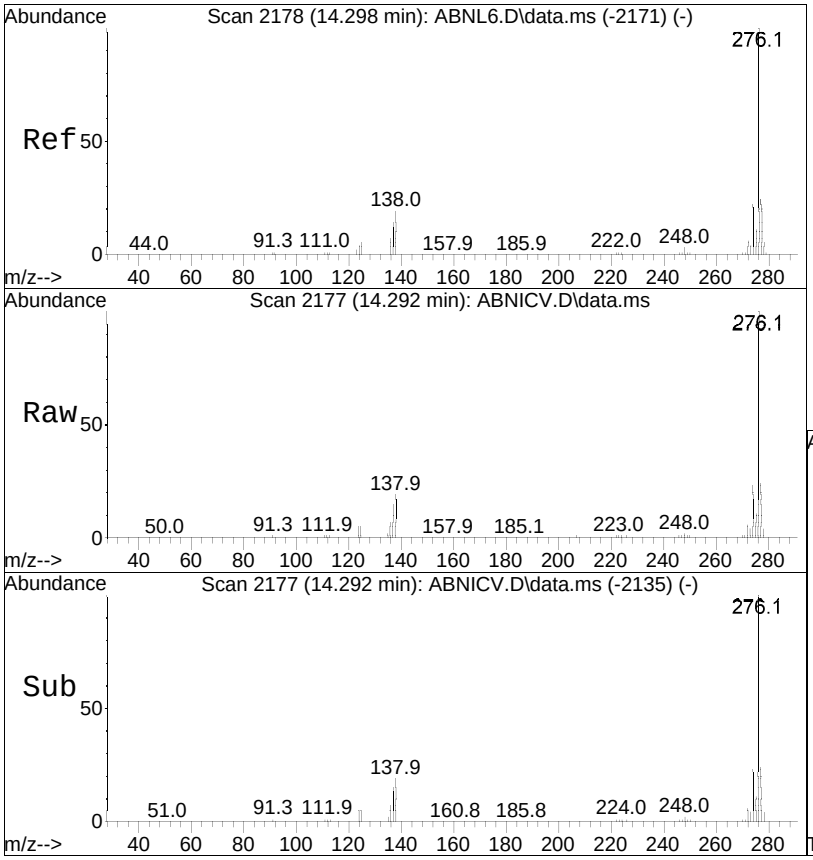


#112
Benzo(a)pyrene
Concen: 5.02 ug/ml
RT: 13.240 min Scan# 1998
Delta R.T. 0.001 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:252 Resp: 184465

Ion	Ratio	Lower	Upper
252	100		
125	11.0	12.6	18.8#
253	22.2	17.5	26.3

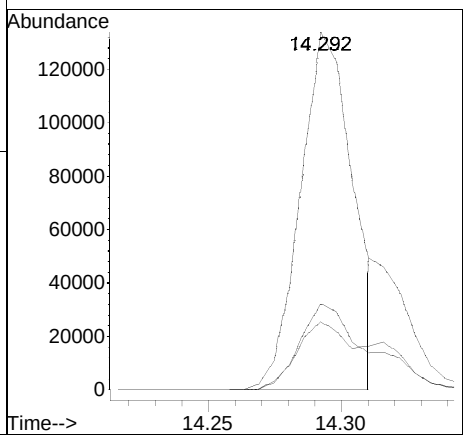


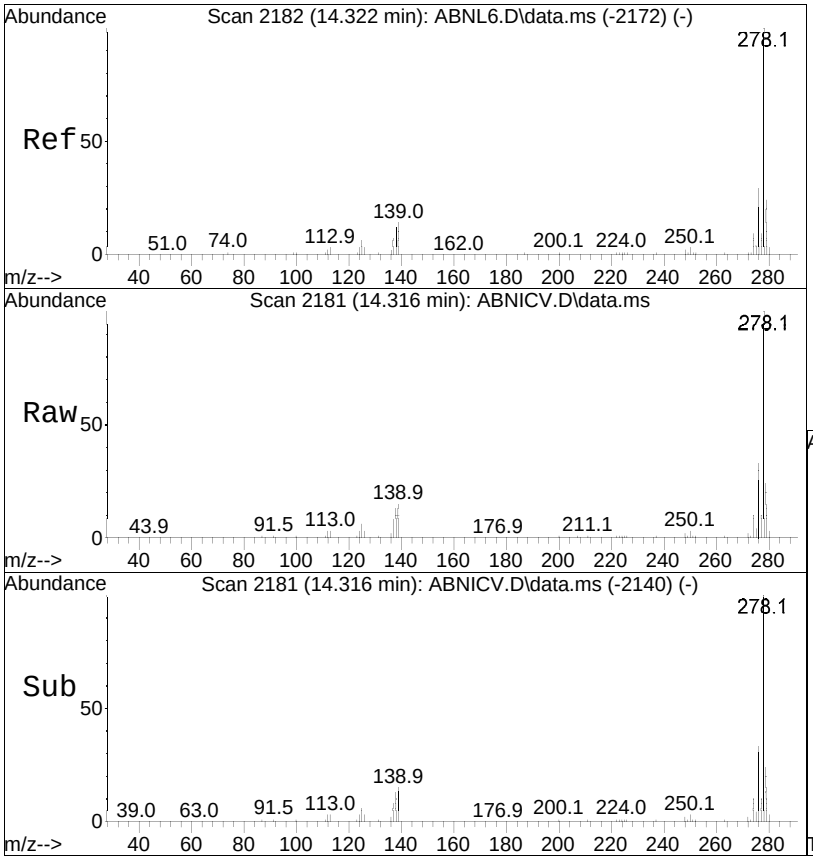


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.60 ug/mL M6
RT: 14.292 min Scan# 2177
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 184779

Ion	Ratio	Lower	Upper
276	100		
138	30.3	22.1	33.1
277	32.2	19.0	28.6#

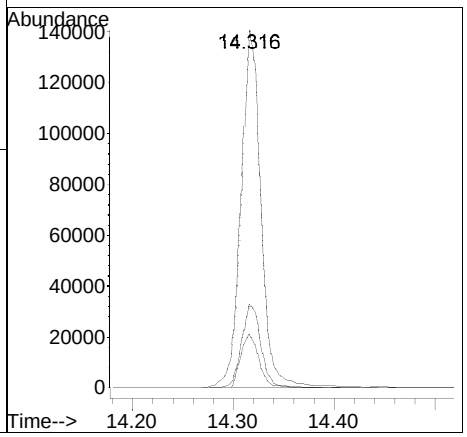


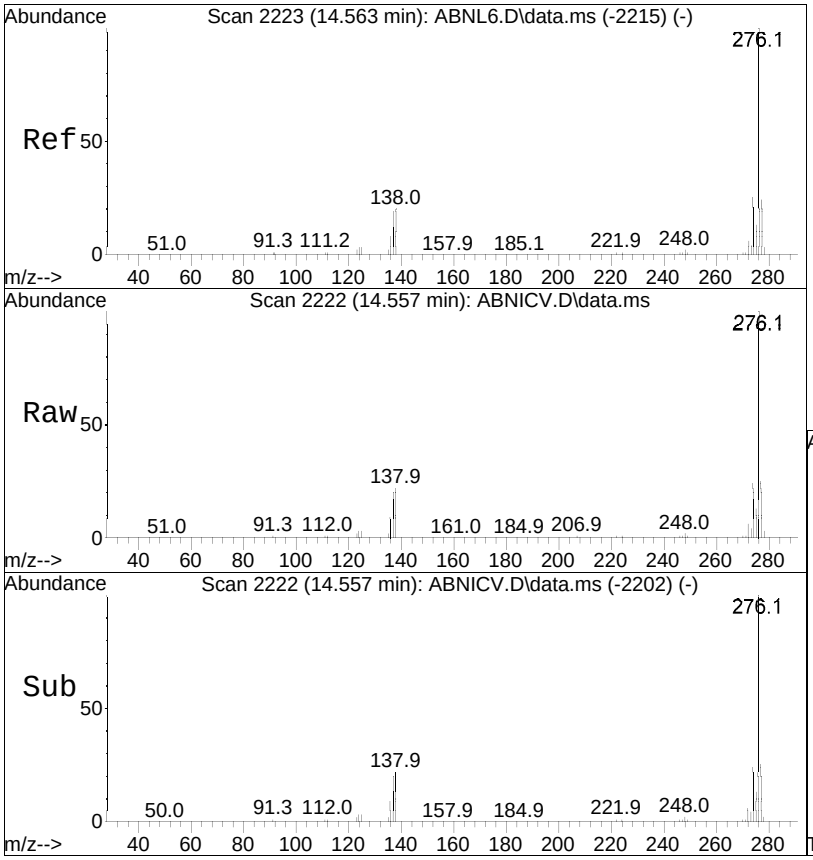


#115
Dibenzo(a,h)anthracene
Concen: 5.01 ug/ml
RT: 14.316 min Scan# 2181
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:278 Resp: 192344

Ion	Ratio	Lower	Upper
278	100		
139	14.0	17.8	26.8#
279	23.1	19.2	28.8

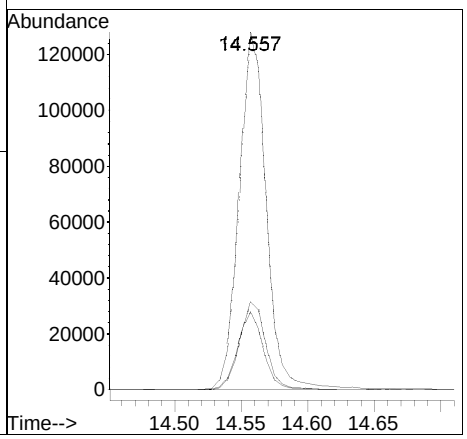




#116
Benzo(ghi)perylene
Concen: 4.62 ug/ml
RT: 14.557 min Scan# 2222
Delta R.T. -0.006 min
Lab File: ABNICV.D
Acq: 26 Jun 2024 03:16 am

Tgt Ion:276 Resp: 178871

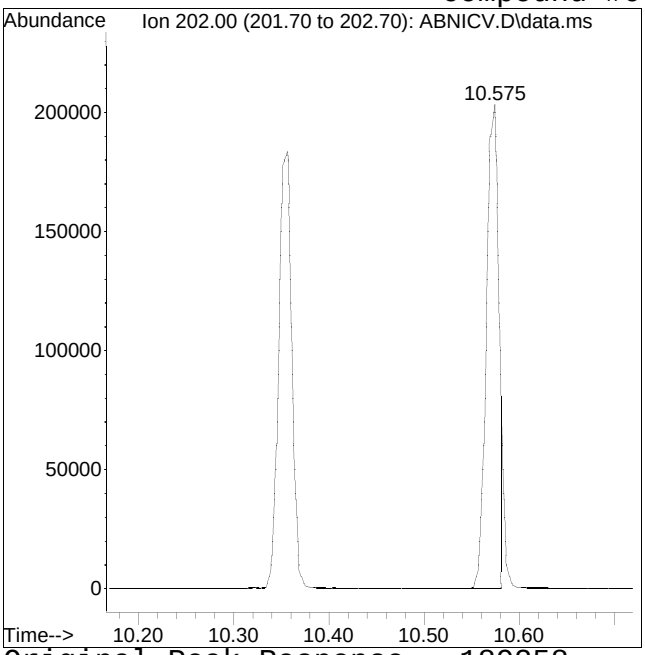
Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.9	32.9#
277	24.5	18.4	27.6

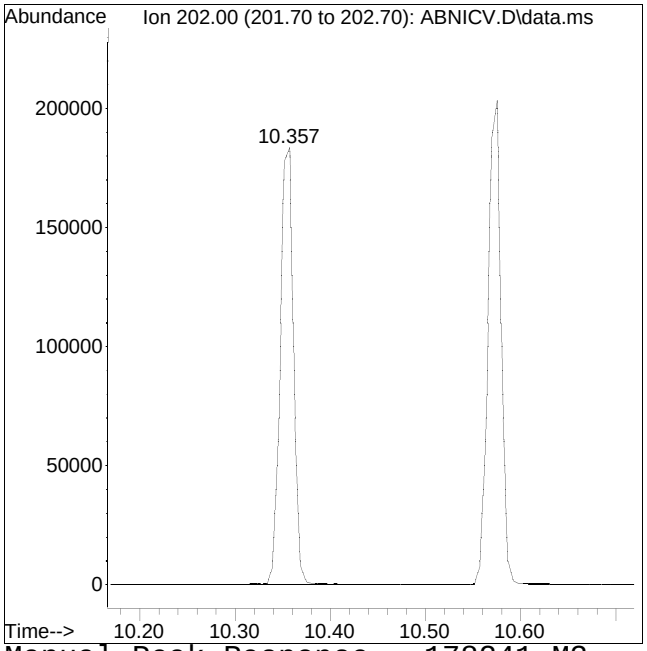


Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #93: Fluoranthene



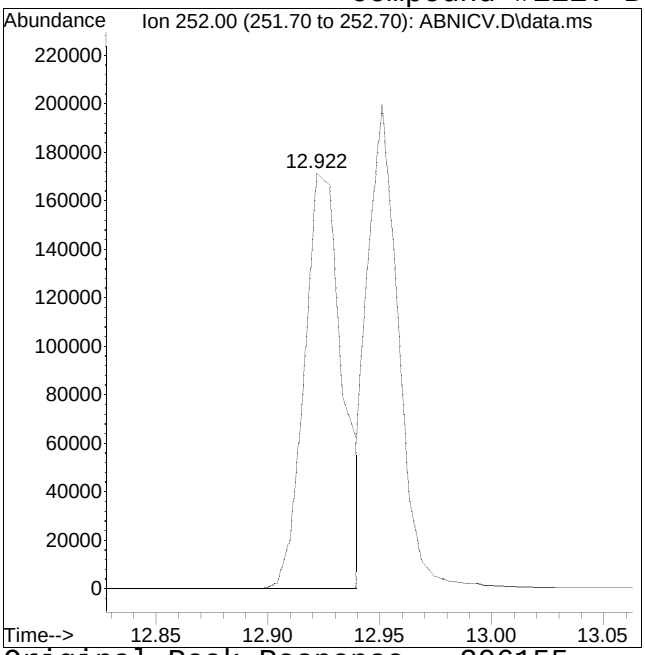


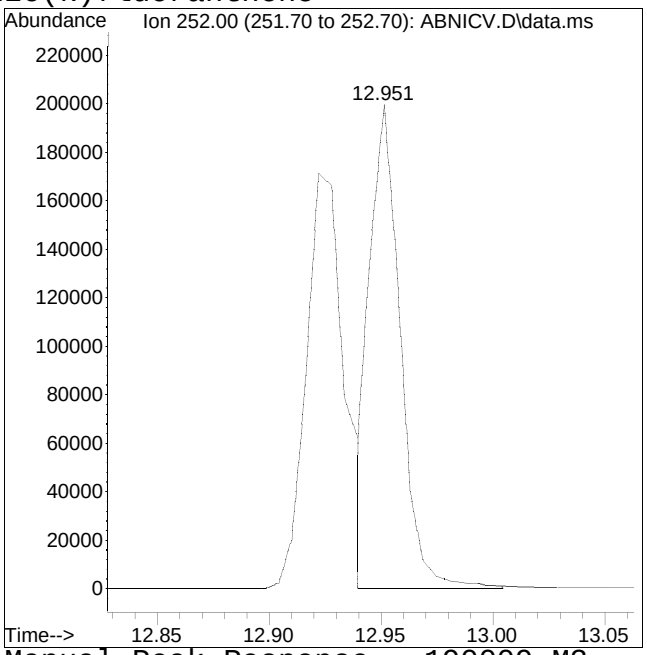
Original Peak Response = 189258 Manual Peak Response = 178241 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #111: Benzo(k)fluoranthene





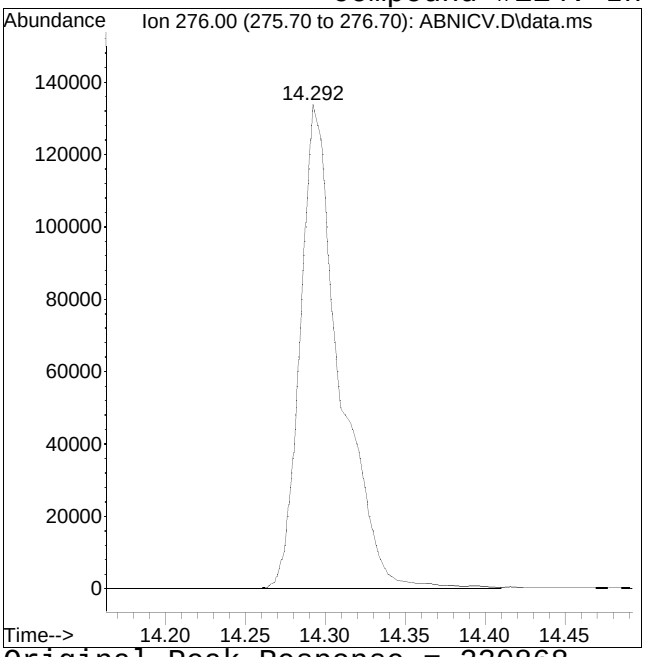
Original Peak Response = 206155 Manual Peak Response = 190009 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

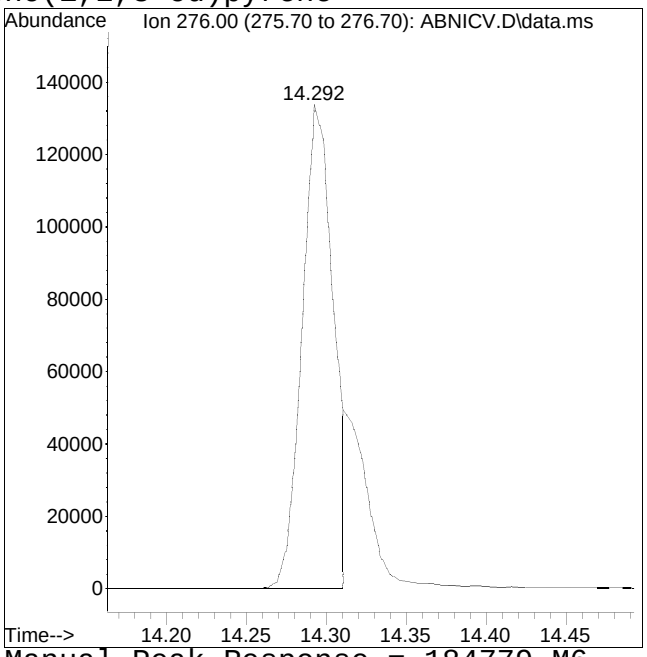
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ABNICV.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 3:16 am Instrument : SV112
Sample : CQICV1,32,,ABNICV Lot# 108Quant Date : 6/30/2024 2:26 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 230868



Manual Peak Response = 184779 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	92	0.00
28	T	Benzaldehyde		1.094	1.014	7.3	86	0.00
29	T	Acetophenone		1.903	1.766	7.2	81	0.00
30	T	m-Toluidine		1.828	1.725	5.6	83	0.00
31	T	2-Chloroaniline		1.742	1.622	6.9	83	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	86	0.00
56	T	a-Terpineol		0.277	0.261	5.8	81	0.00
57	T	3-Chloroaniline		0.150	0.136	9.3	78	0.00
58	T	2,6-Dichlorophenol		0.326	0.310	4.9	80	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.138	3.5	81	0.00
60	T	Caprolactam	*	5.000	4.063	18.7	73	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.446	6.9	81	0.00
62	T	Biphenyl		1.026	0.921	10.2	78	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	82	0.00
84	T	Dichloran	*	5.000	3.777	24.5#	69	0.00
85	T	Pentachloronitrobenzene		0.235	0.192	18.3	70	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	79	0.00
99	T	Diphenamid		0.515	0.462	10.3	69	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.805	152	19496	4.000	ug/ml		0.00
Standard Area 1 = 21226			Recovery = 91.85%				
55) IS2_Naphthalene-d8	6.040	136	70493	4.000	ug/ml		0.00
Standard Area 1 = 81952			Recovery = 86.02%				
83) IS2_Acenaphthene-d10	7.746	164	42386	4.000	ug/ml		0.00
Standard Area 1 = 51795			Recovery = 81.83%				
98) IS2_Phenanthrene-d10	9.175	188	93506	4.000	ug/ml	#	0.00
Standard Area 1 = 118160			Recovery = 79.14%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	4.369	105	24722	4.638	ug/ml		99
29) Acetophenone	5.199	105	43034	4.639	ug/ml		97
30) m-Toluidine	5.281	106	42038	4.718	ug/ml		97
31) 2-Chloroaniline	5.646	127	39533	4.657	ug/ml		97
56) a-Terpineol	6.093	59	23032	4.714	ug/ml		94
57) 3-Chloroaniline	6.105	65	11948	4.514	ug/ml		86
58) 2,6-Dichlorophenol	6.134	162	27335	4.755	ug/ml	#	90
59) 1-chloro-2-nitrobenzene	6.387	111	12170	4.821	ug/ml		95
60) Caprolactam	6.416	55	11582	4.063	ug/ml		89
61) 1,2,4,5-Tetrachloroben...	6.904	216	39341	4.659	ug/ml	#	94
62) Biphenyl	7.199	154	81125	4.485	ug/ml		98
84) Dichloran	8.869	206	8814	3.777	ug/ml	#	73
85) Pentachloronitrobenzene	9.022	237	10155	4.082	ug/ml	#	82
99) Diphenamid	10.075	167	54038	4.489	ug/ml		84

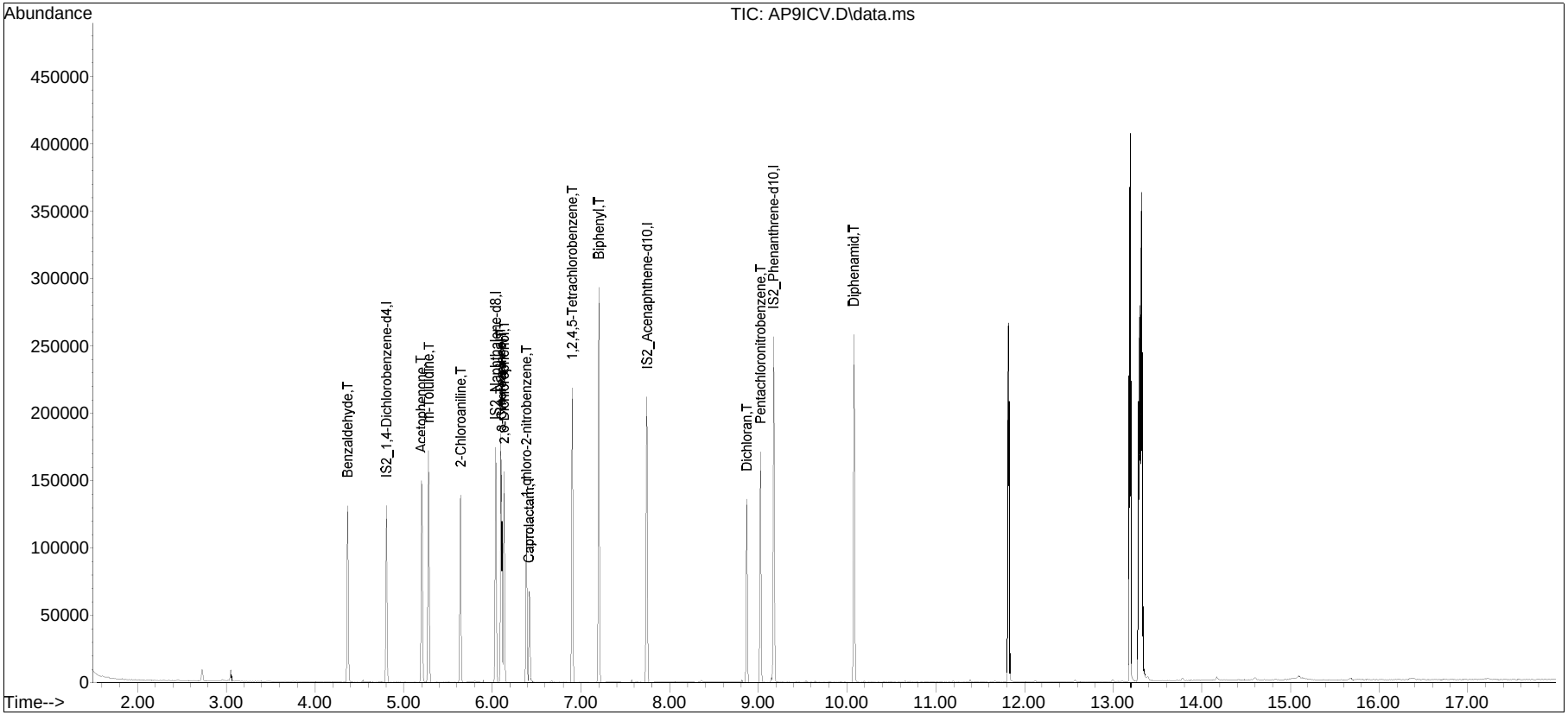
(#) = qualifier out of range (m) = manual integration (+) = signals summed

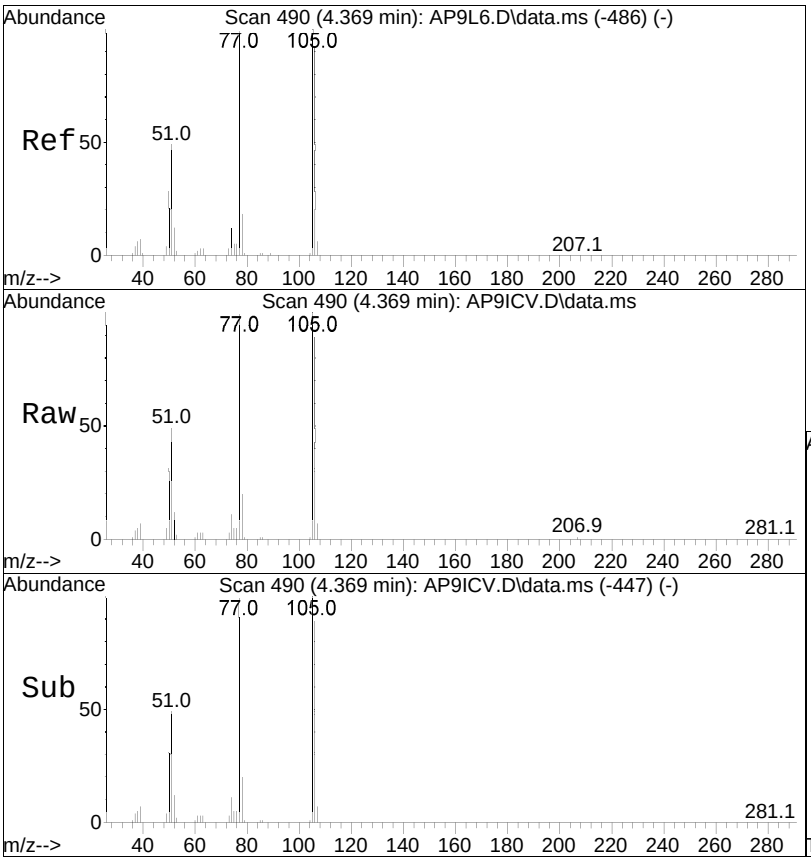
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : AP9ICV.D
Acq On : 26 Jun 2024 03:39 am
Operator : SV112:mrg
Sample : CQICV2,32,,AP9ICV Lot# 10806
Misc : WG1939943
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 30 14:37:41 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 30 14:25:57 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

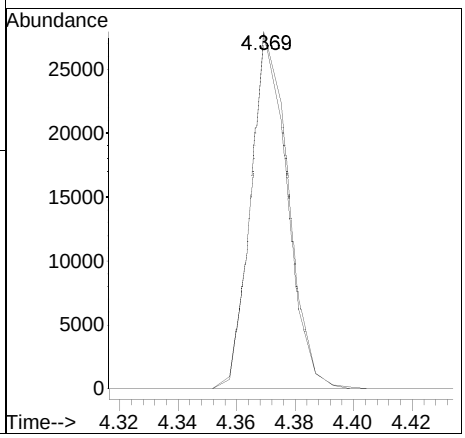


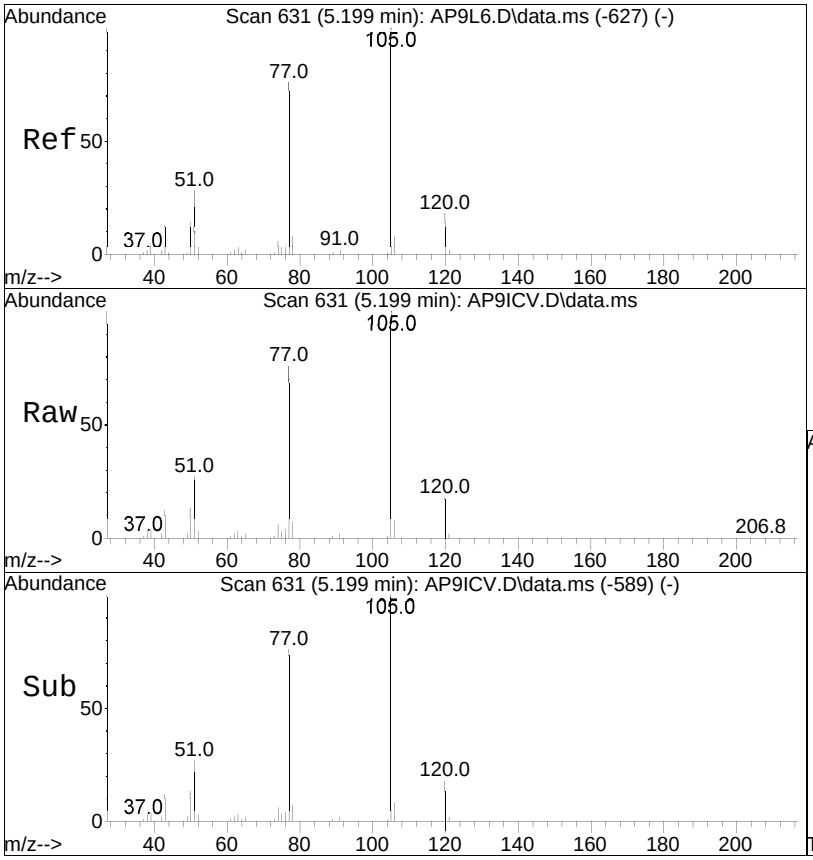


#28
Benzaldehyde
Concen: 4.64 ug/ml
RT: 4.369 min Scan# 490
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 24722

Ion	Ratio	Lower	Upper
105	100		
77	97.2	77.0	115.6

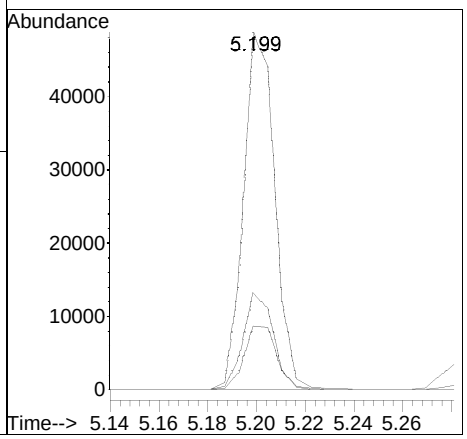


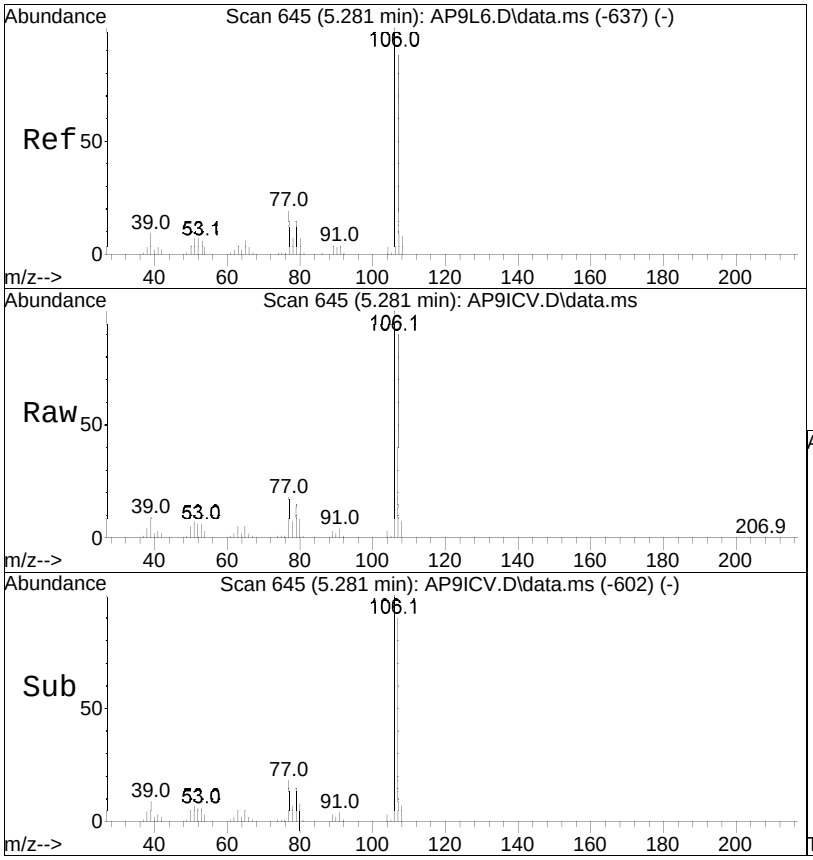


#29
Acetophenone
Concen: 4.64 ug/ml
RT: 5.199 min Scan# 631
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:105 Resp: 43034

Ion	Ratio	Lower	Upper
105	100		
120	18.5	15.2	22.8
51	26.4	23.1	34.7

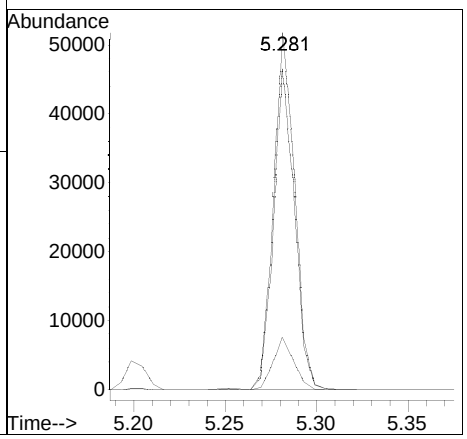


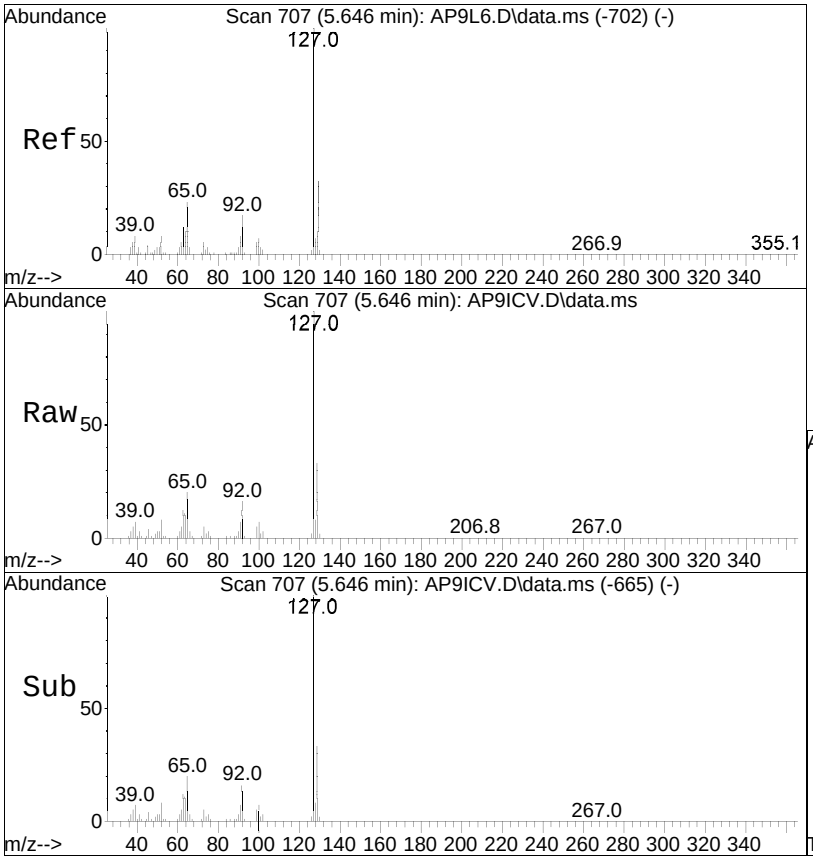


#30
m-Toluidine
Concen: 4.72 ug/ml
RT: 5.281 min Scan# 645
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:106 Resp: 42038

Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	14.2	12.2	18.2

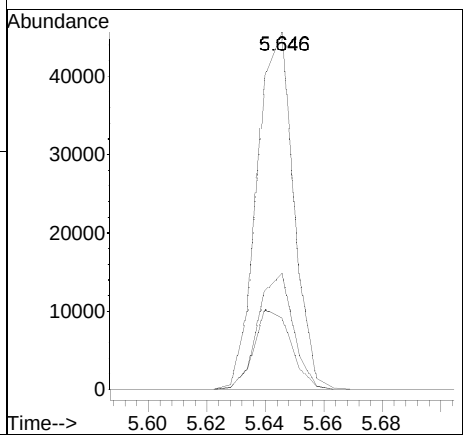


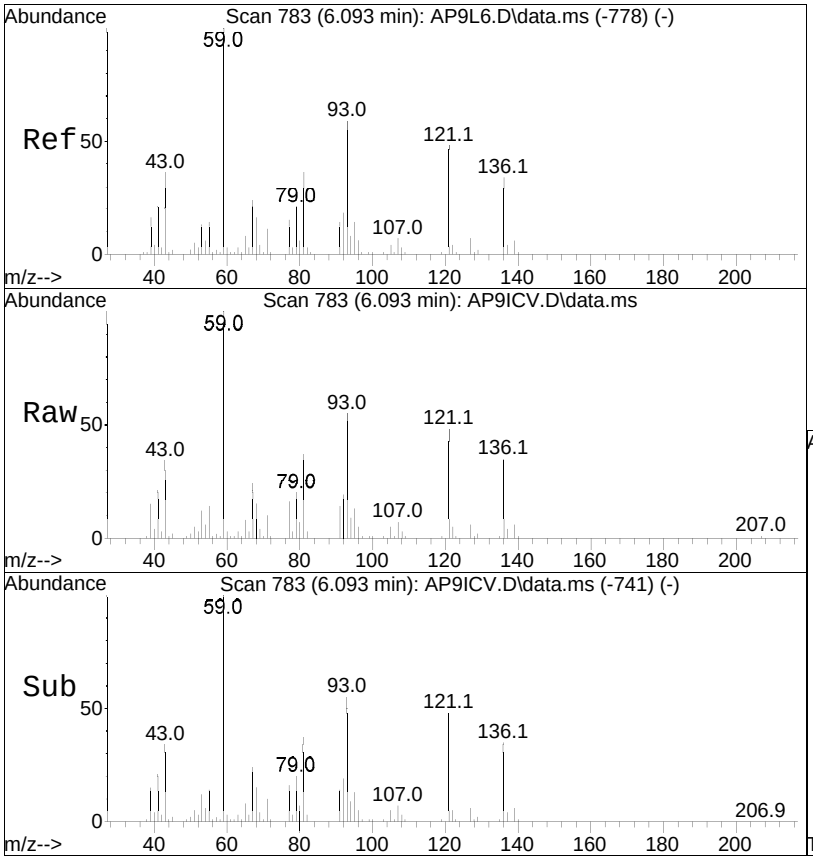


#31
2-Chloroaniline
Concen: 4.66 ug/ml
RT: 5.646 min Scan# 707
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:127 Resp: 39533

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.7	38.5
65	22.8	20.5	30.7

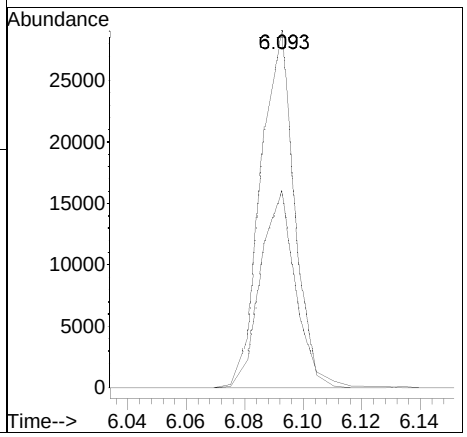


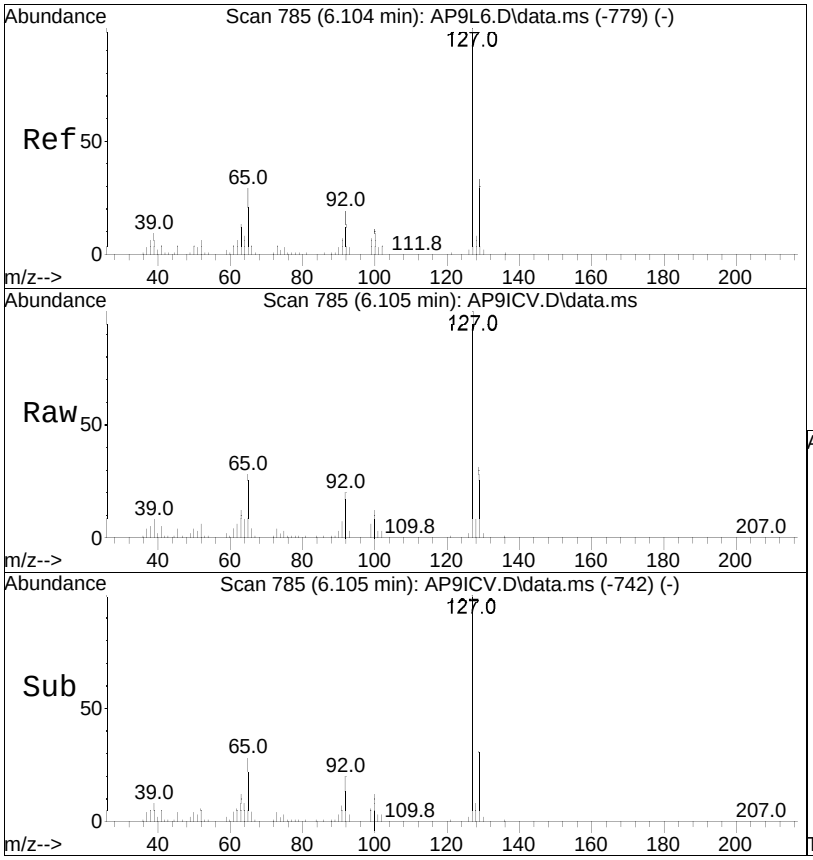


#56
a-Terpineol
Concen: 4.71 ug/ml
RT: 6.093 min Scan# 783
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 59 Resp: 23032

Ion	Ratio	Lower	Upper
59	100		
93	58.6	43.5	65.3

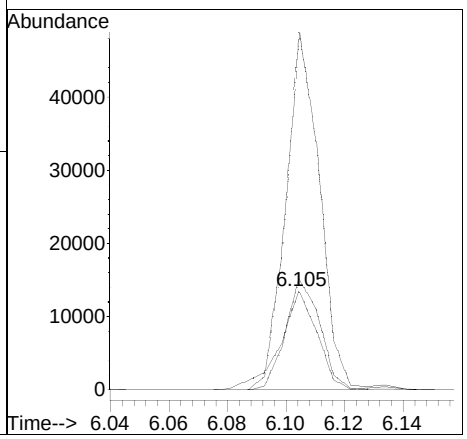


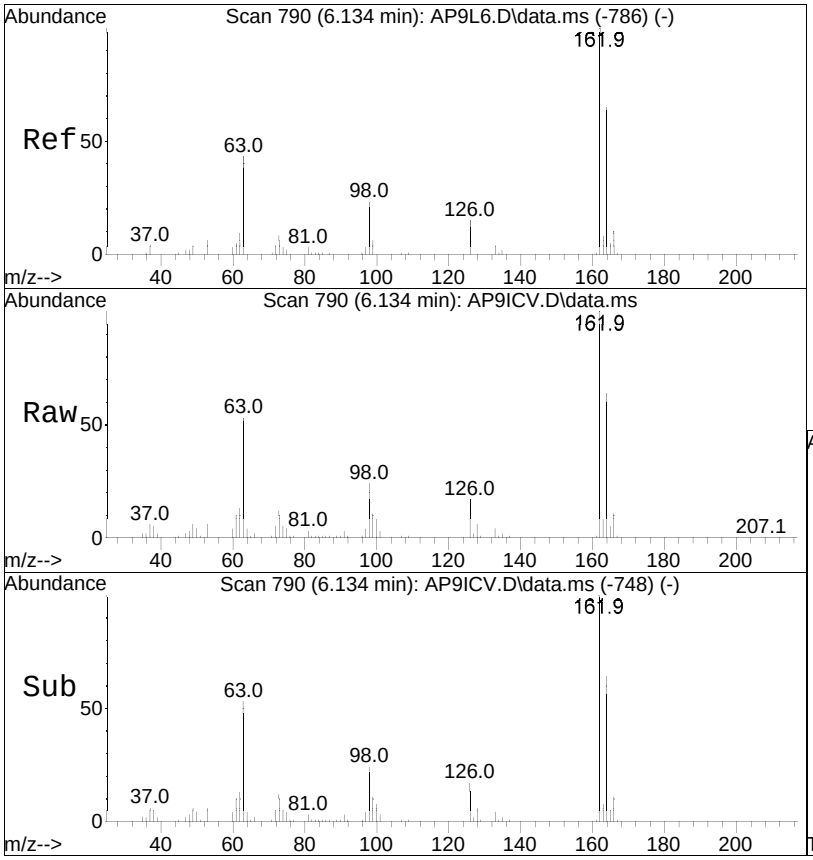


#57
3-Chloroaniline
Concen: 4.51 ug/ml
RT: 6.105 min Scan# 785
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 65 Resp: 11948

Ion	Ratio	Lower	Upper
65	100		
127	327.4	236.6	355.0
129	104.6	76.6	115.0

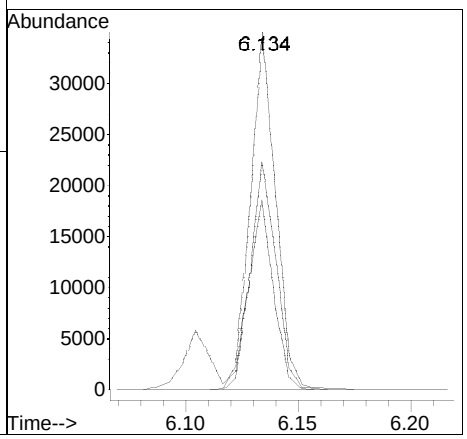


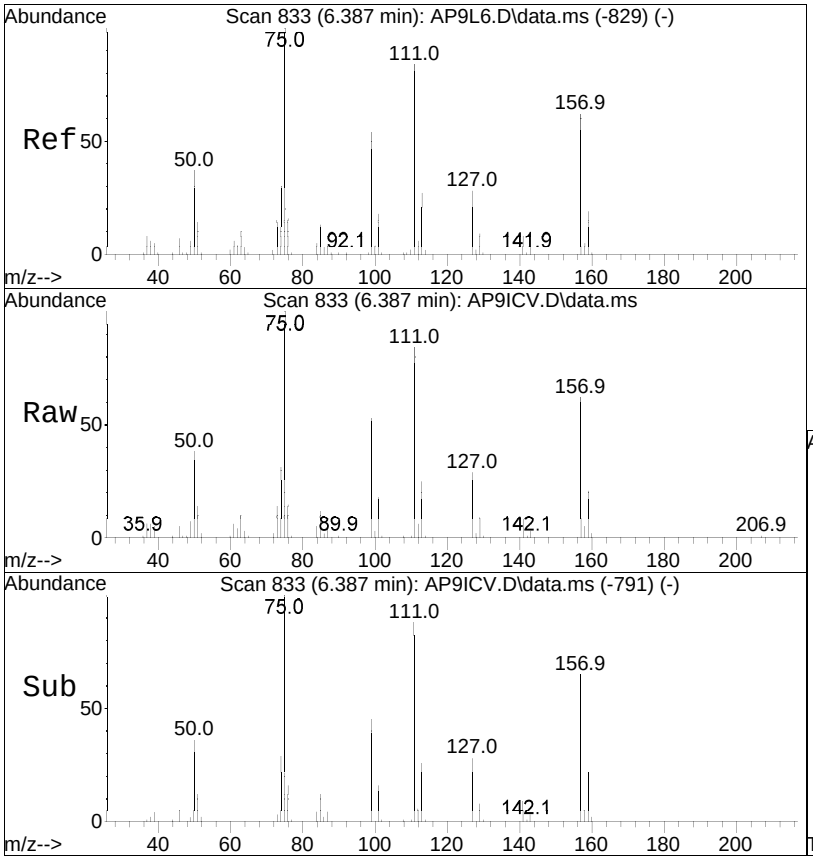


#58
2,6-Dichlorophenol
Concen: 4.76 ug/ml
RT: 6.134 min Scan# 790
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:162 Resp: 27335

Ion	Ratio	Lower	Upper
162	100		
164	64.1	50.8	76.2
63	52.1	53.6	80.4#

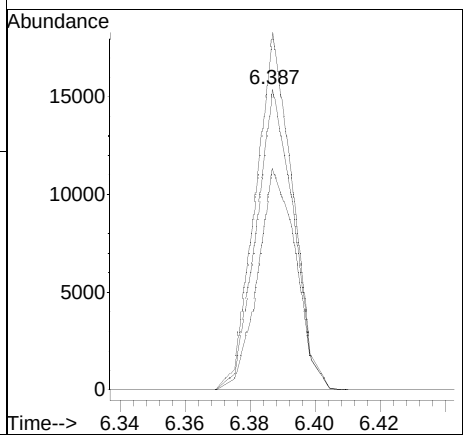


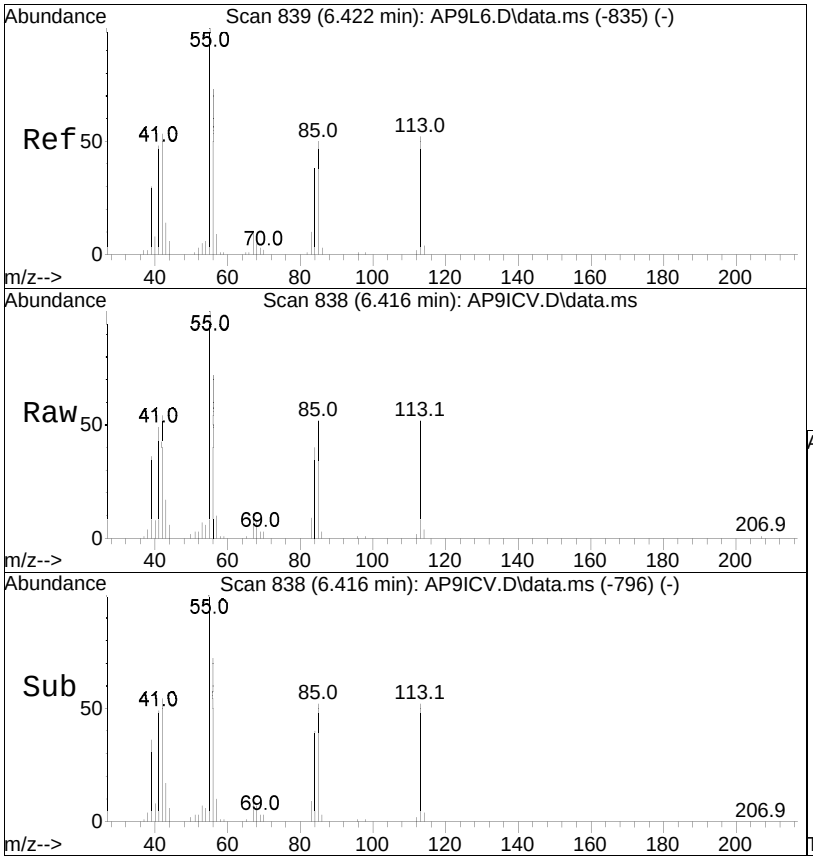


#59
1-chloro-2-nitrobenzene
Concen: 4.82 ug/ml
RT: 6.387 min Scan# 833
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:111 Resp: 12170

Ion	Ratio	Lower	Upper
111	100		
157	75.7	56.2	84.2
75	118.1	97.8	146.6

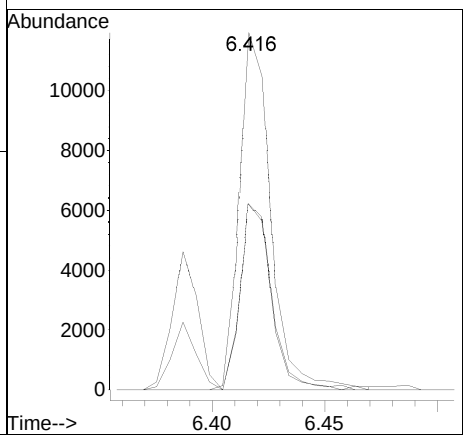


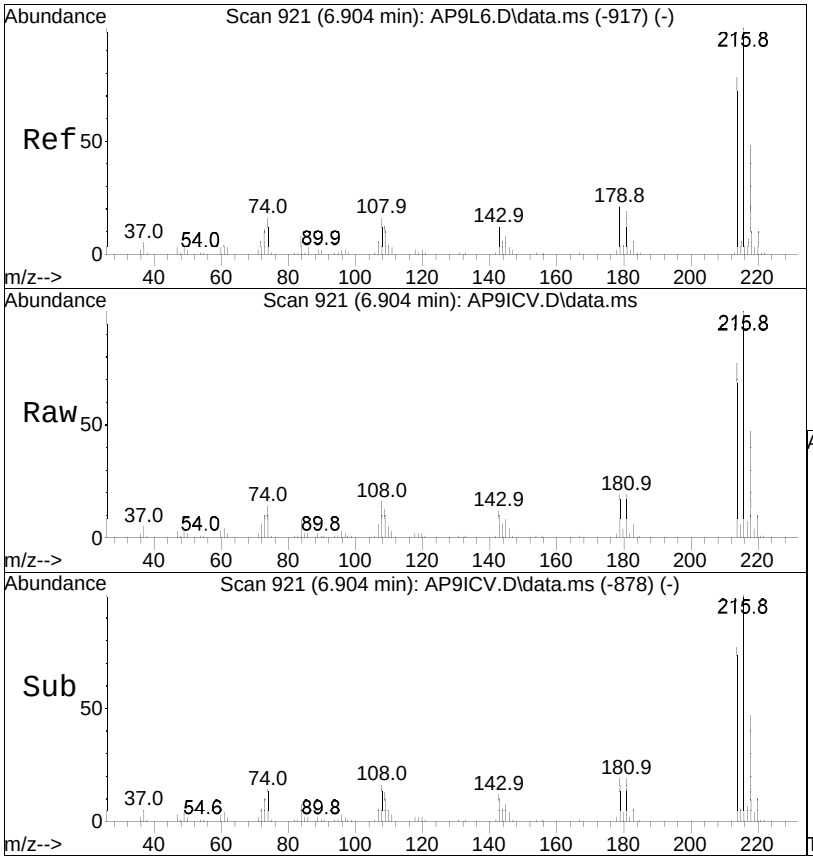


#60
Caprolactam
Concen: 4.06 ug/ml
RT: 6.416 min Scan# 838
Delta R.T. -0.006 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion: 55 Resp: 11582

Ion	Ratio	Lower	Upper
55	100		
85	51.5	35.2	52.8
113	52.5	36.6	55.0

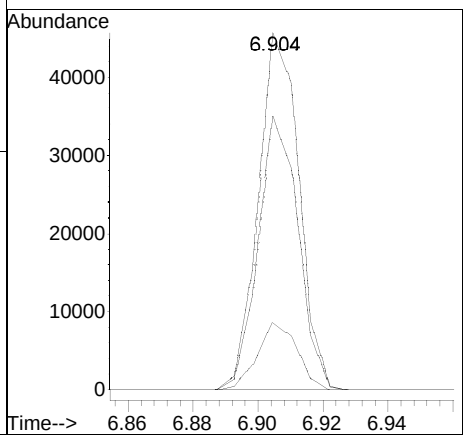


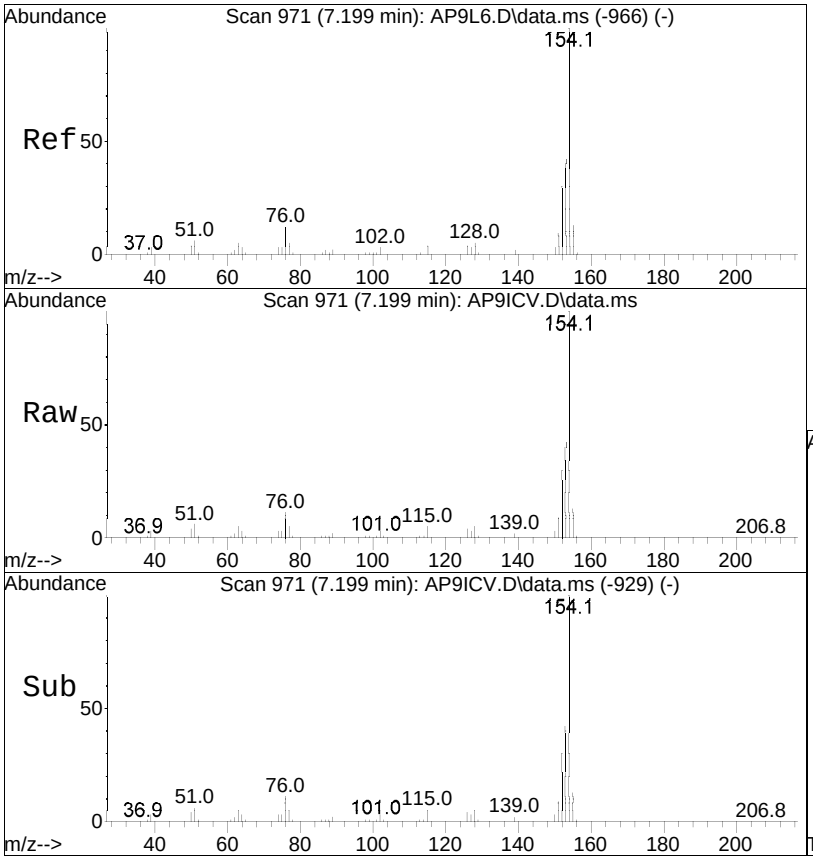


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.66 ug/ml
RT: 6.904 min Scan# 921
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:216 Resp: 39341

Ion	Ratio	Lower	Upper
216	100		
214	75.7	64.0	96.0
179	18.6	18.7	28.1#

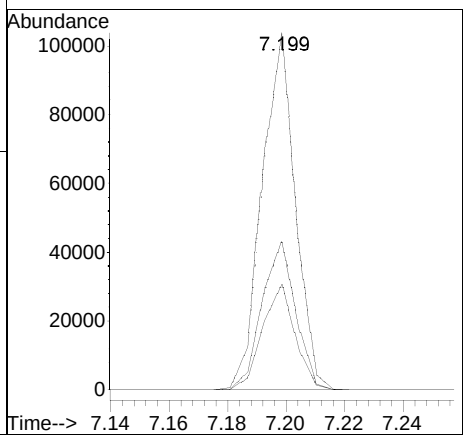


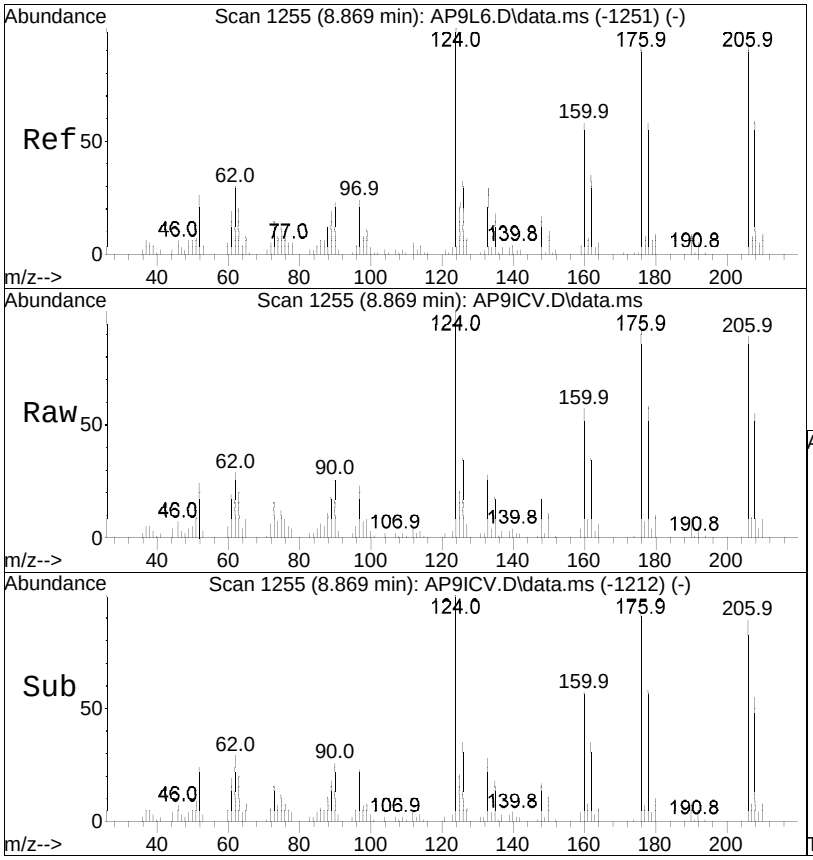


#62
Biphenyl
Concen: 4.48 ug/ml
RT: 7.199 min Scan# 971
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:154 Resp: 81125

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.5	48.7
152	29.3	22.6	34.0

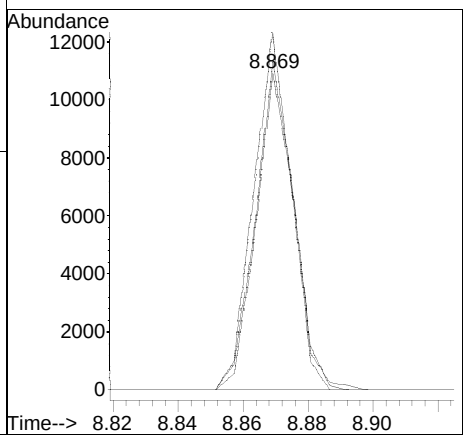


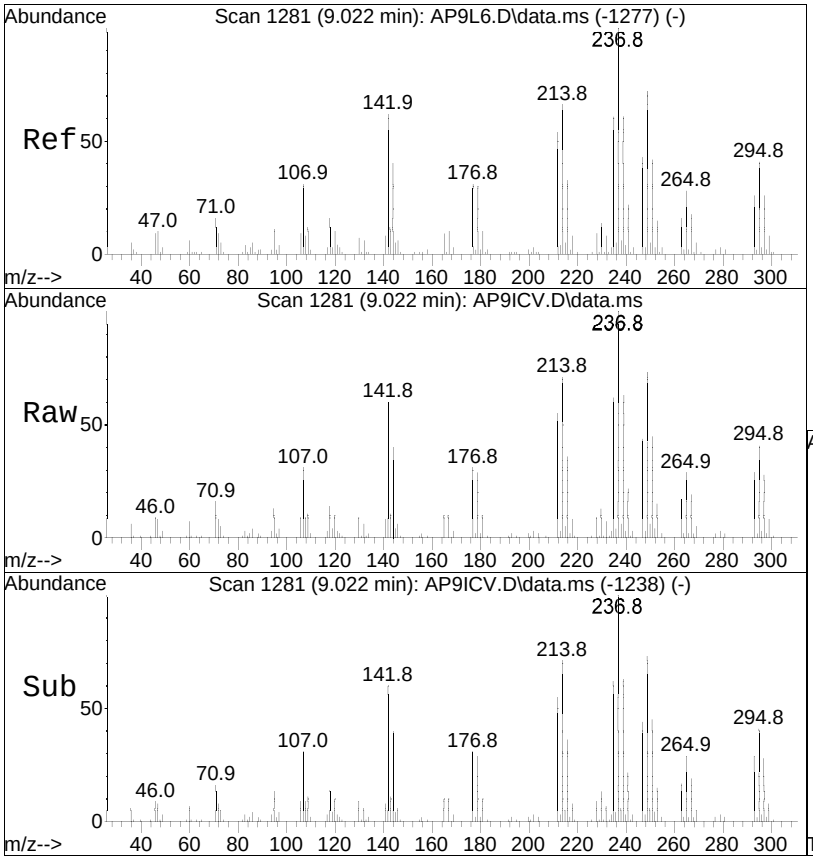


#84
Dichloran
Concen: 3.78 ug/ml
RT: 8.869 min Scan# 1255
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:206 Resp: 8814

Ion	Ratio	Lower	Upper
206	100		
176	104.9	98.8	148.2
124	111.6	125.8	188.6#

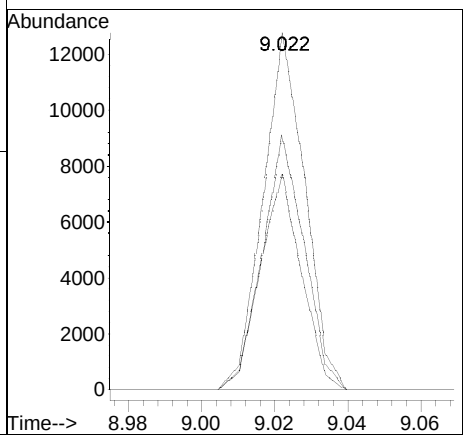


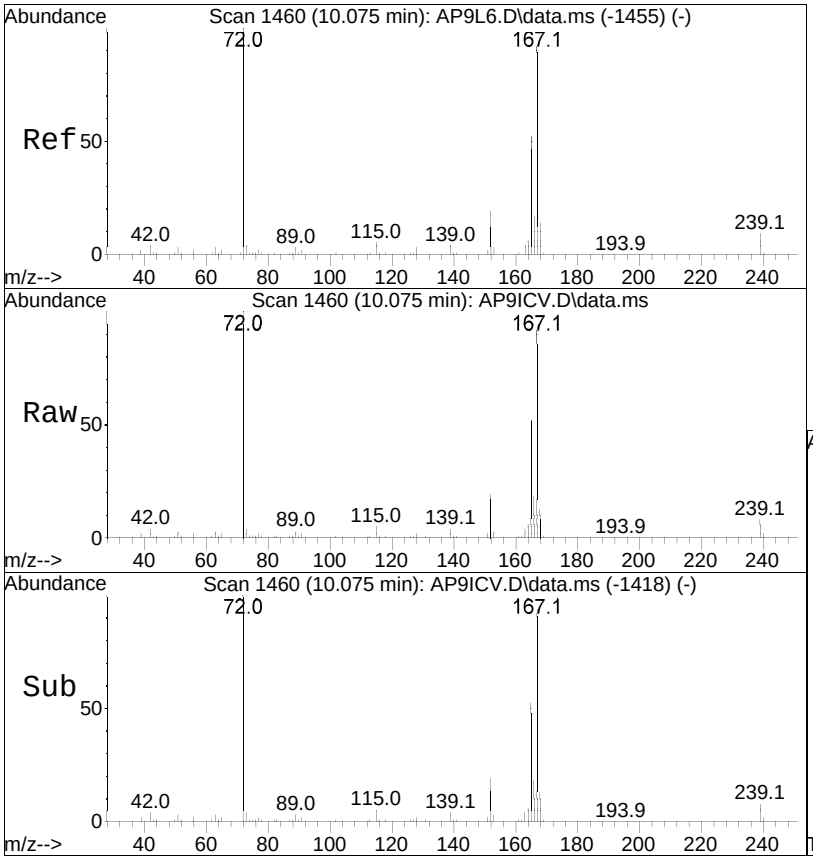


#85
Pentachloronitrobenzene
Concen: 4.08 ug/ml
RT: 9.022 min Scan# 1281
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:237 Resp: 10155

Ion	Ratio	Lower	Upper
237	100		
142	60.0	70.3	105.5#
214	70.9	59.4	89.2

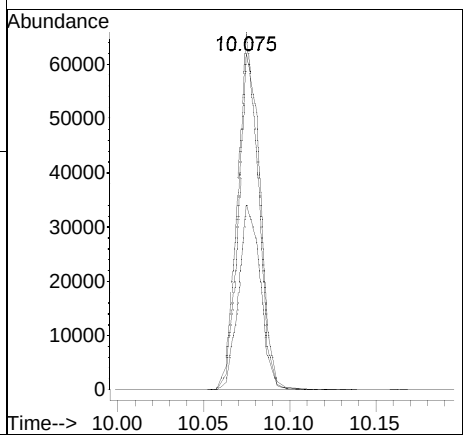




#99
Diphenamid
Concen: 4.49 ug/ml
RT: 10.075 min Scan# 1460
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 26 Jun 2024 03:39 am

Tgt Ion:167 Resp: 54038

Ion	Ratio	Lower	Upper
167	100		
72	100.8	98.9	148.3
165	55.3	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: AP9ICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 3:39 am	Instrument	: SV112
Sample	: CQICV2,32,,AP9ICV Lot# 108	Quant Date	: 6/30/2024 2:38 pm

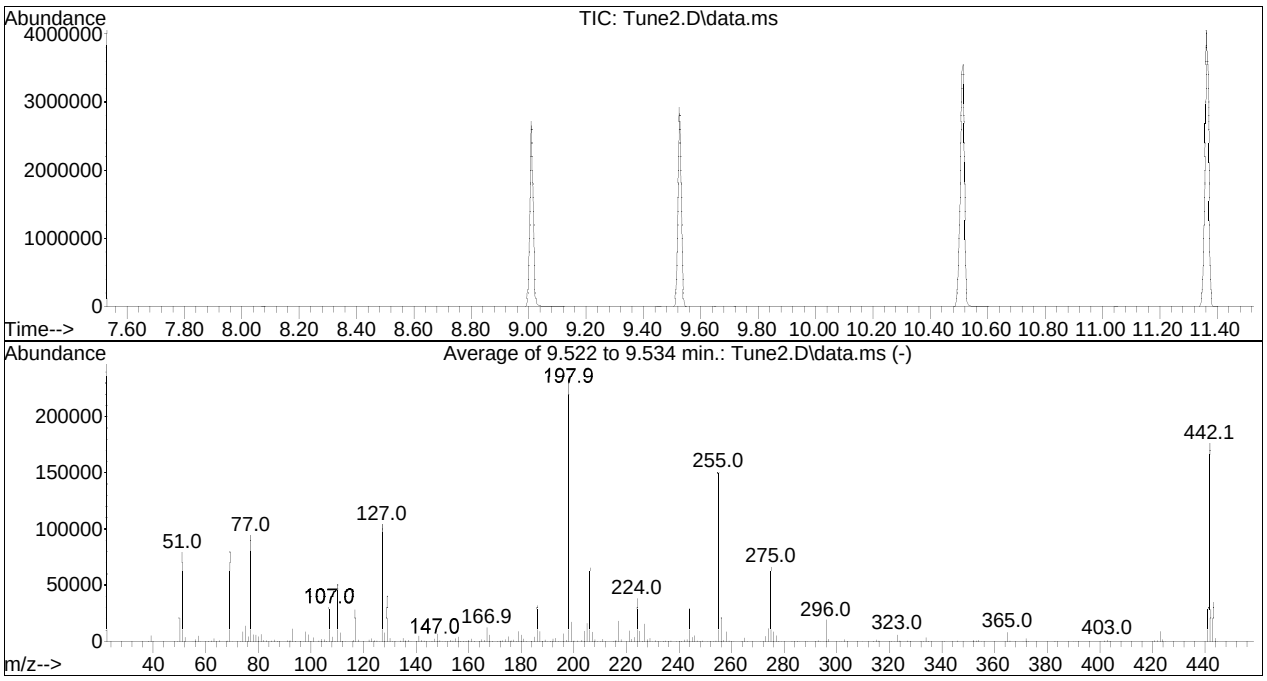
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 21:26:04 2024



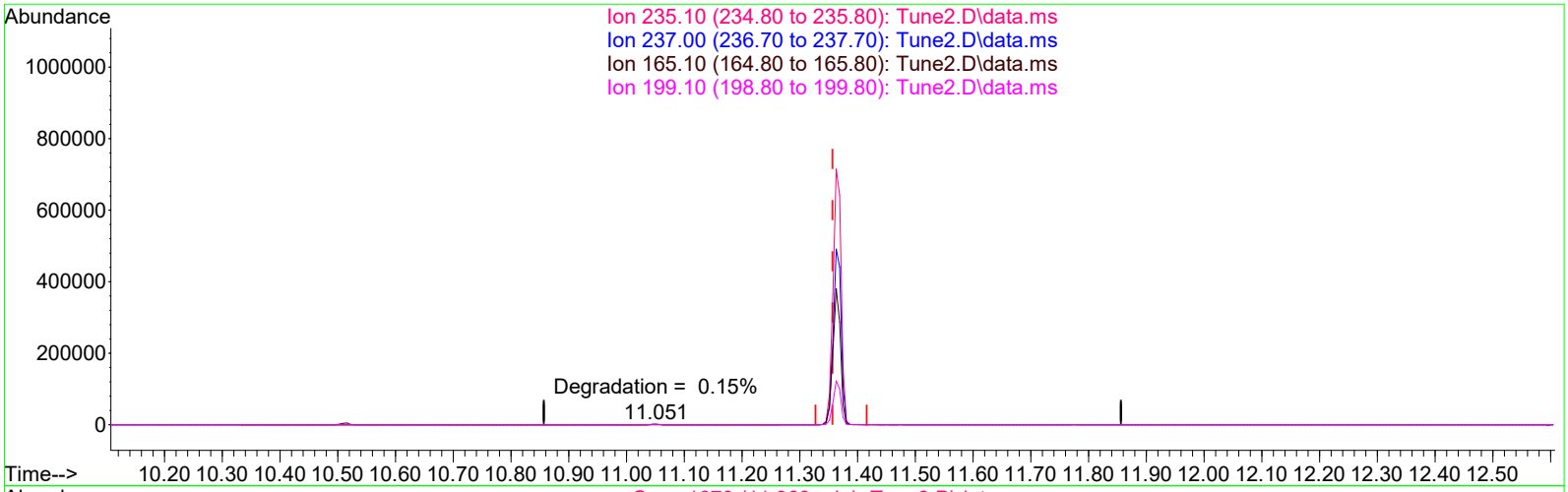
Spectrum Information: Average of 9.522 to 9.534 min.

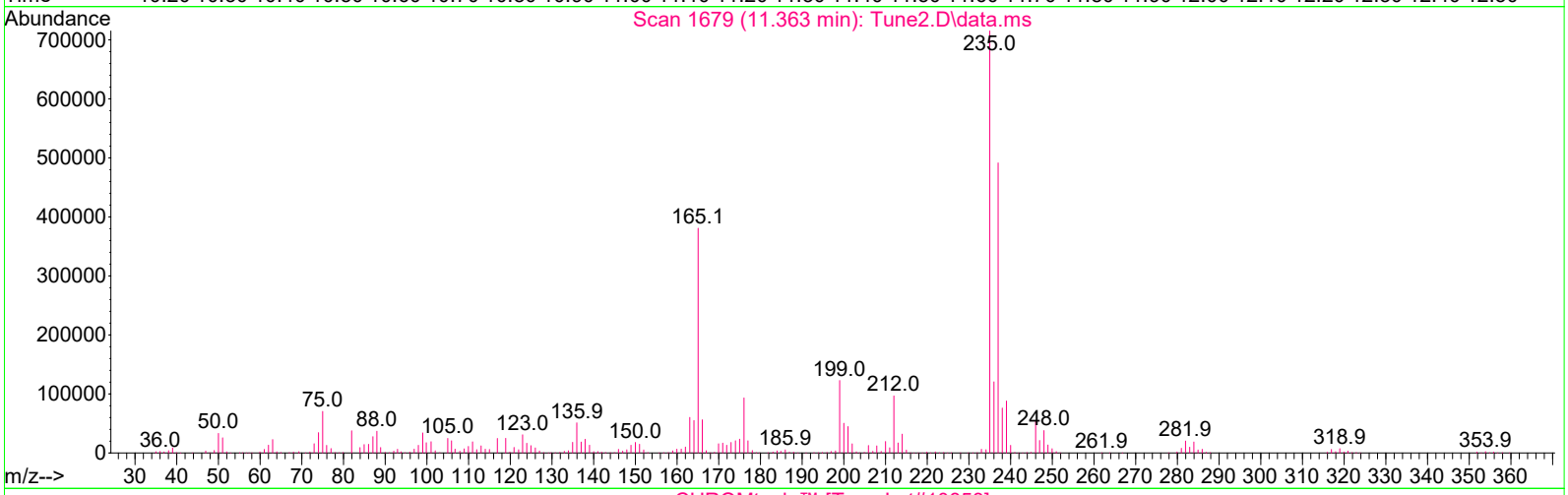
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	78592	PASS
68	69	0.00	2	1.6	1239	PASS
69	69	100	100	100.0	79691	PASS
70	69	0.00	2	0.5	407	PASS
127	198	10	80	44.2	103691	PASS
197	198	0.00	2	0.7	1726	PASS
198	198	100	100	100.0	234816	PASS
199	198	5	9	7.1	16749	PASS
275	198	10	60	28.0	65861	PASS
365	198	1	100	3.5	8174	PASS
441	442	0.01	24	17.2	30328	PASS
442	198	50	100	74.9	175909	PASS
443	442	15	24	19.9	34941	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(6) DDT (T)

11.363min (+ 0.006) 115.23

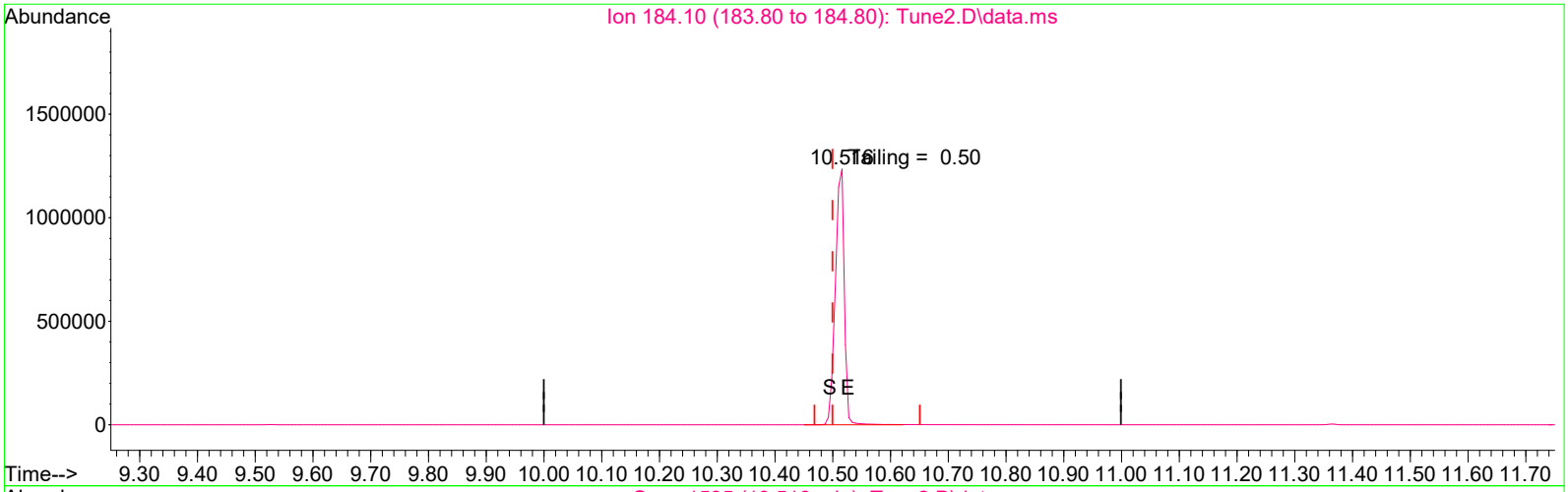
response 702426

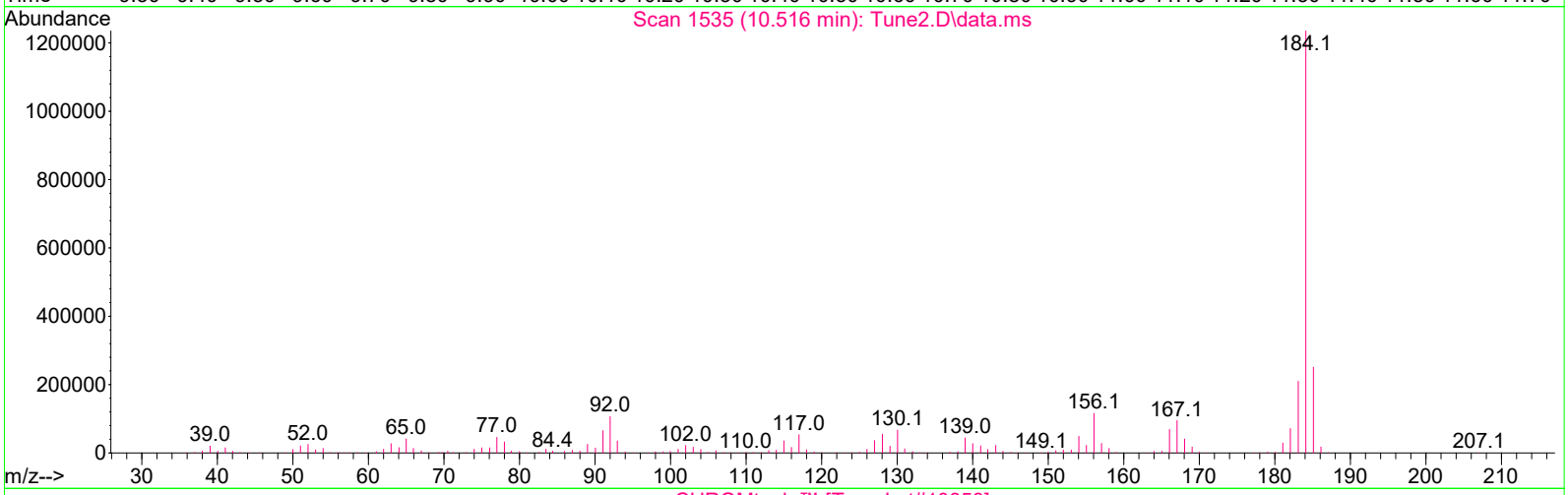
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	67.60
165.10	42.20	49.55
199.10	13.70	16.21

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(3) Benzidine (T)

10.516min (+ 0.016) 131.09

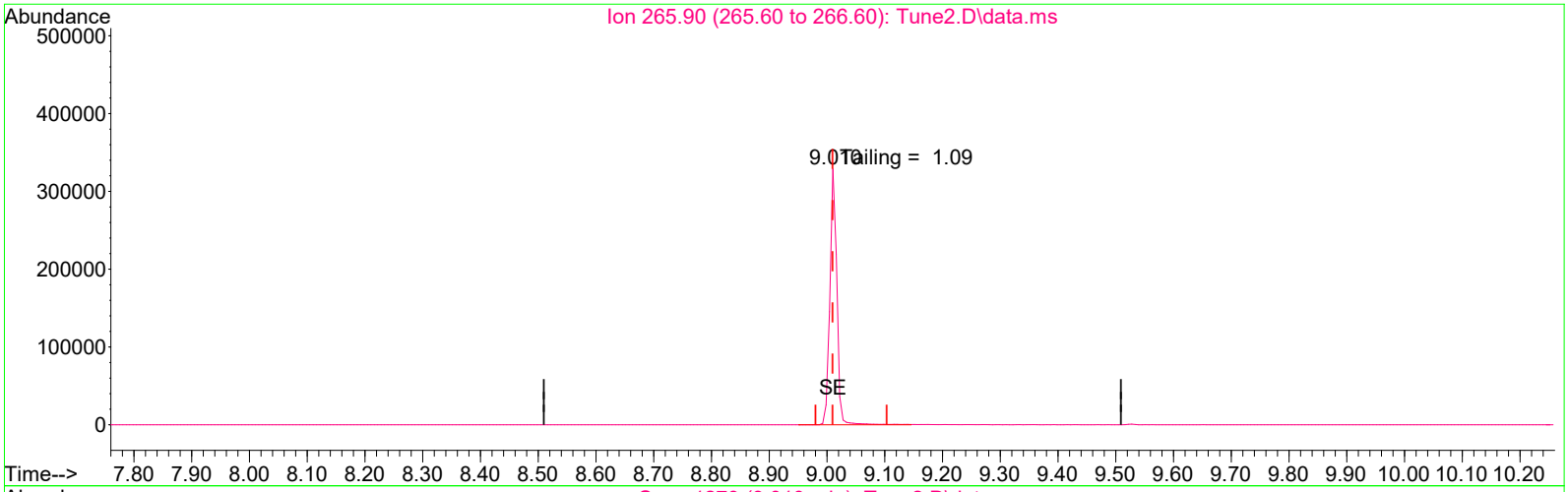
response 1334527

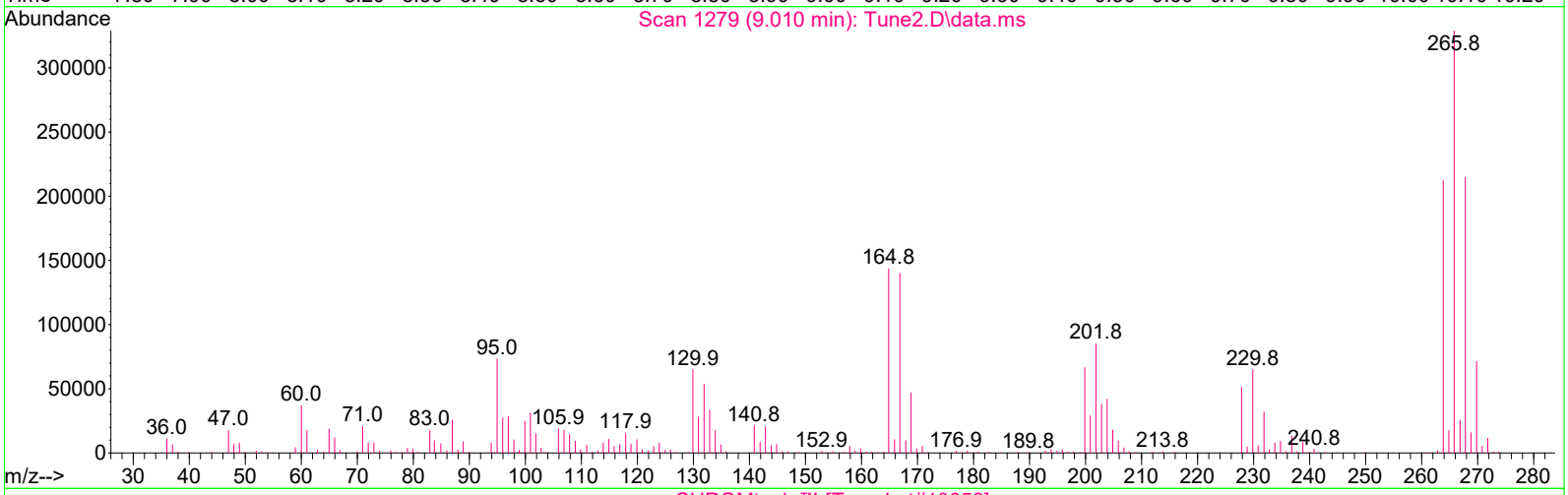
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240625RVTical\
Data File : Tune2.D
Acq On : 26 Jun 2024 04:02 am
Operator : SV112:mrg
Sample : Tune Lot#10853
Misc : WG1939943
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 26 14:46:11 2024
Quant Method : I:\8270\SV112\240625RVTical\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 08 07:10:40 2024
Response via : Initial Calibration





CHROMtools™ [Tune Lot#10853]

(1) Pentachlorophenol (T)

9.010min (+ 0.000) 130.93

response 275000

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20470	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.39%		
86) IS3_Acenaphthene-d10	7.746	164	50851	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	112.78%		
100) IS3_Phenanthrene-d10	9.175	188	124157	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	115.03%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	109040	45.293	ug/ml	90
34) n-Decane	4.693	57	294067	50.165	ug/ml#	94
87) Atrazine	8.952	200	328196	58.499	ug/ml	96
101) n-Octadecane	9.146	57	550946	56.408	ug/ml	90
102) Parathion	9.963	109	189120	49.698	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.257	212	1251144	49.001	ug/ml#	90

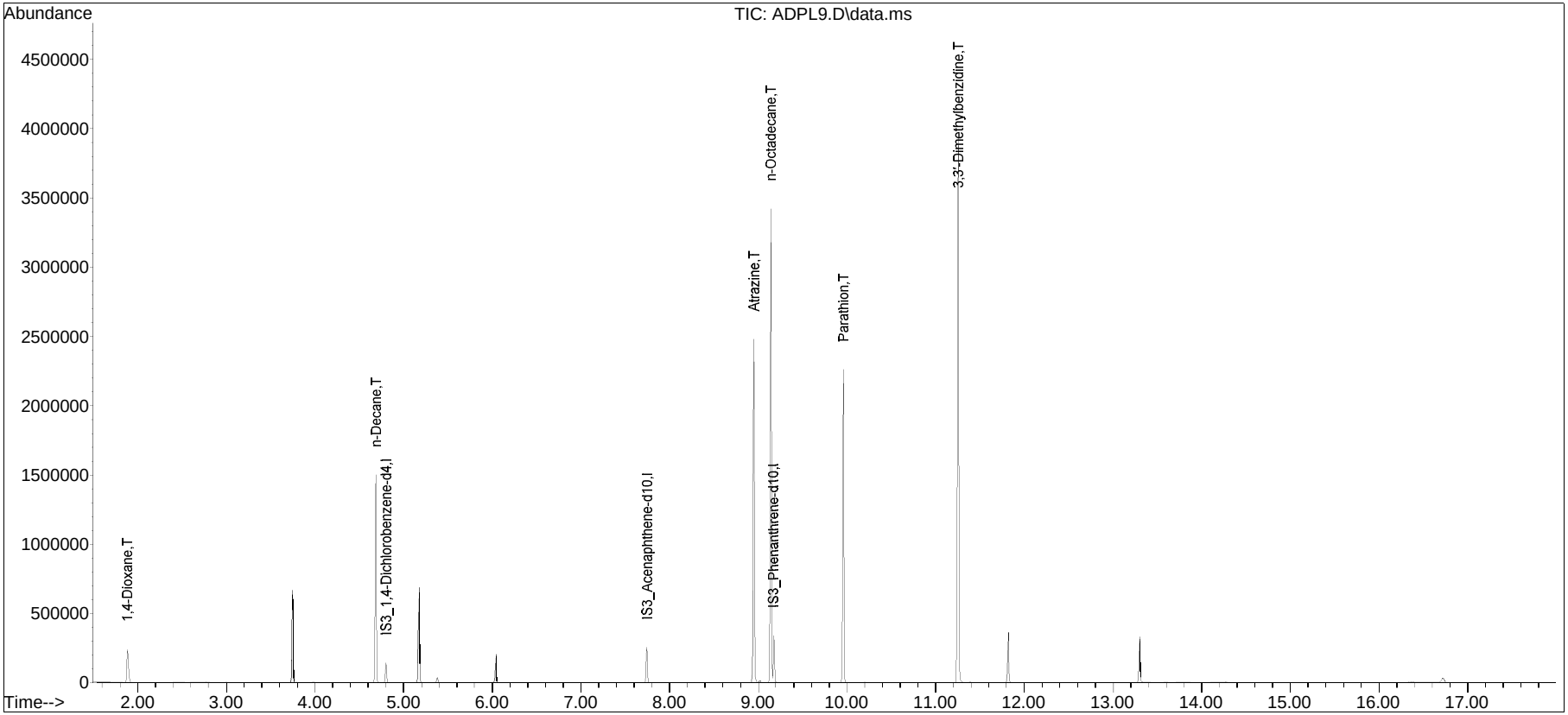
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL9.D
Acq On : 26 Jun 2024 04:25 am
Operator : SV112:mrg
Sample : IL2,32,,ADPL50 Lot# 10796
Misc : WG1939943
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 01 06:26:12 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL9.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:25 am	Instrument	: SV112
Sample	: IL2,32,,ADPL50 Lot# 10796	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

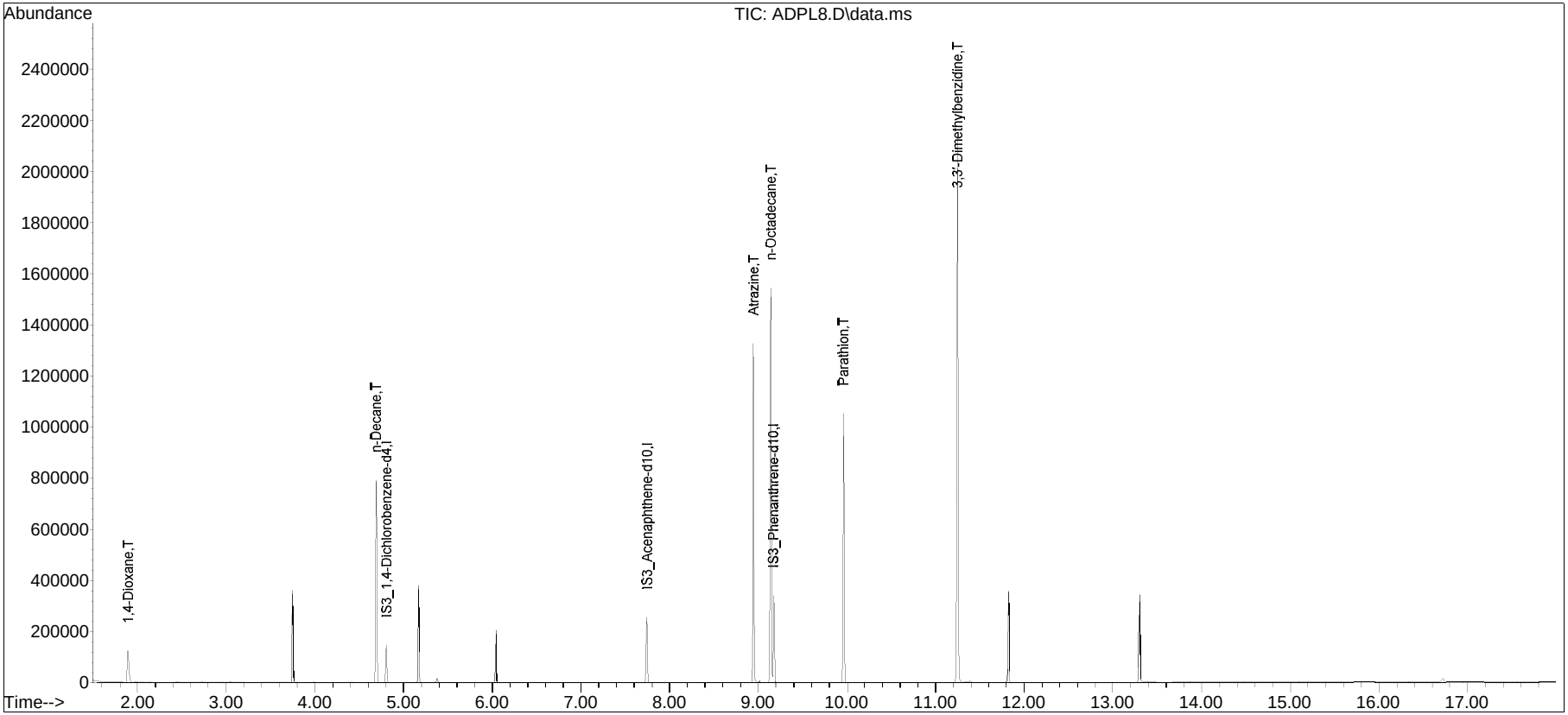
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	21763	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	107.80%		
86) IS3_Acenaphthene-d10	7.746	164	50588	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	112.20%		
100) IS3_Phenanthrene-d10	9.175	188	124301	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	115.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	57618	22.511	ug/ml#	88
34) n-Decane	4.687	57	155787	24.997	ug/ml	95
87) Atrazine	8.946	200	161042	28.854	ug/ml	97
101) n-Octadecane	9.146	57	271632	27.778	ug/ml	90
102) Parathion	9.957	109	84556	25.768	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.251	212	666158	26.154	ug/ml	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL8.D
Acq On : 26 Jun 2024 04:48 am
Operator : SV112:mrg
Sample : IL3,32,,ADPL25 Lot# 10797
Misc : WG1939943
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 01 06:26:00 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL8.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 4:48 am	Instrument	: SV112
Sample	: IL3,32,,ADPL25 Lot# 10797	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

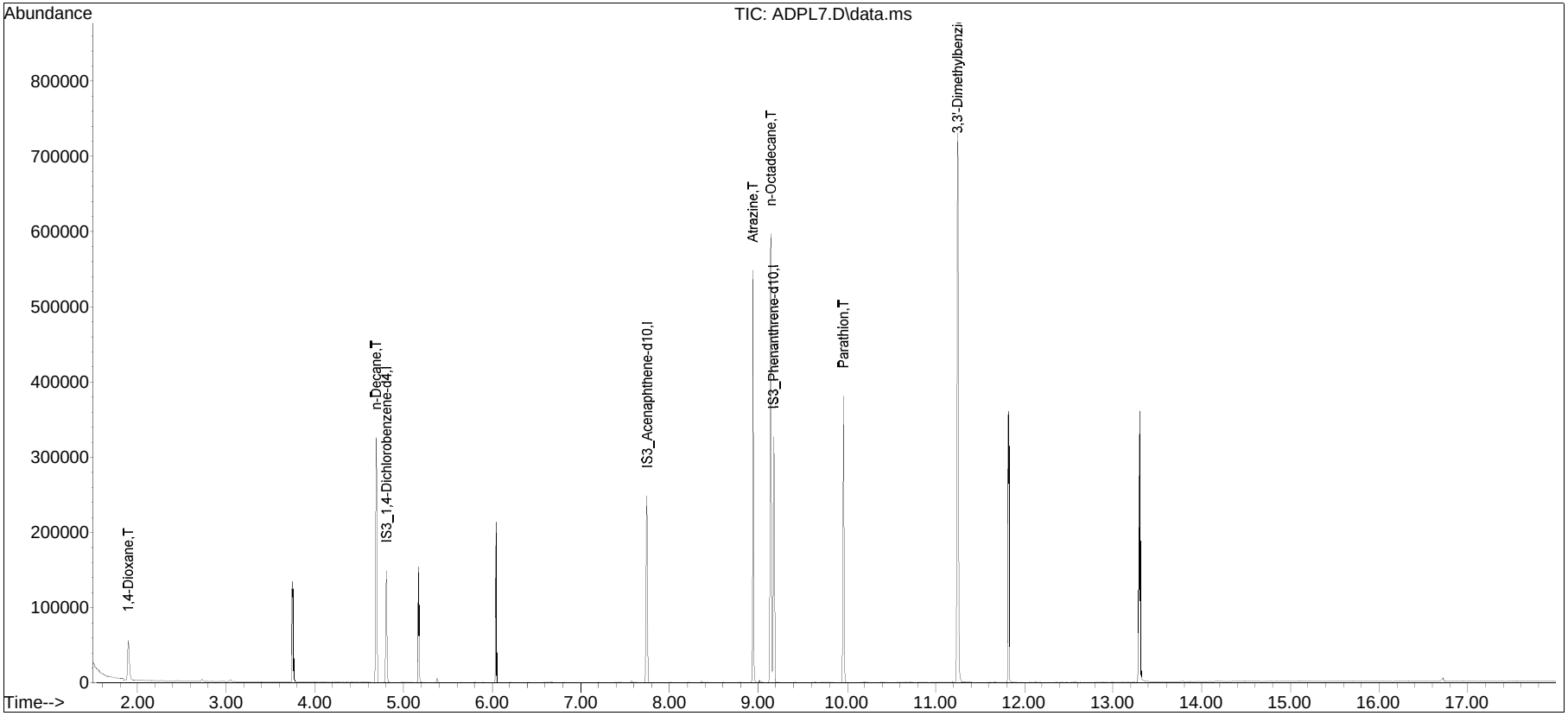
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.805	152	22184	4.000	ug/ml		0.00
	Standard Area 1 = 20189			Recovery =	109.88%			
86)	IS3_Acenaphthene-d10	7.746	164	50265	4.000	ug/ml		0.00
	Standard Area 1 = 45088			Recovery =	111.48%			
100)	IS3_Phenanthrene-d10	9.175	188	122217	4.000	ug/ml	#	0.00
	Standard Area 1 = 107936			Recovery =	113.23%			
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.893	88	24860	9.528	ug/ml		89
34)	n-Decane	4.687	57	66035	10.395	ug/ml	#	94
87)	Atrazine	8.940	200	63534	11.457	ug/ml		98
101)	n-Octadecane	9.145	57	109359	11.374	ug/ml		91
102)	Parathion	9.957	109	30072	10.443	ug/ml	#	89
103)	3,3'-Dimethylbenzidine	11.251	212	264248	10.671	ug/ml		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL7.D
Acq On : 26 Jun 2024 05:11 am
Operator : SV112:mrg
Sample : IL4,32,,ADPL10 Lot# 10798
Misc : WG1939943
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 01 06:25:49 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL7.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:11 am	Instrument	: SV112
Sample	: IL4,32,,ADPL10 Lot# 10798	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

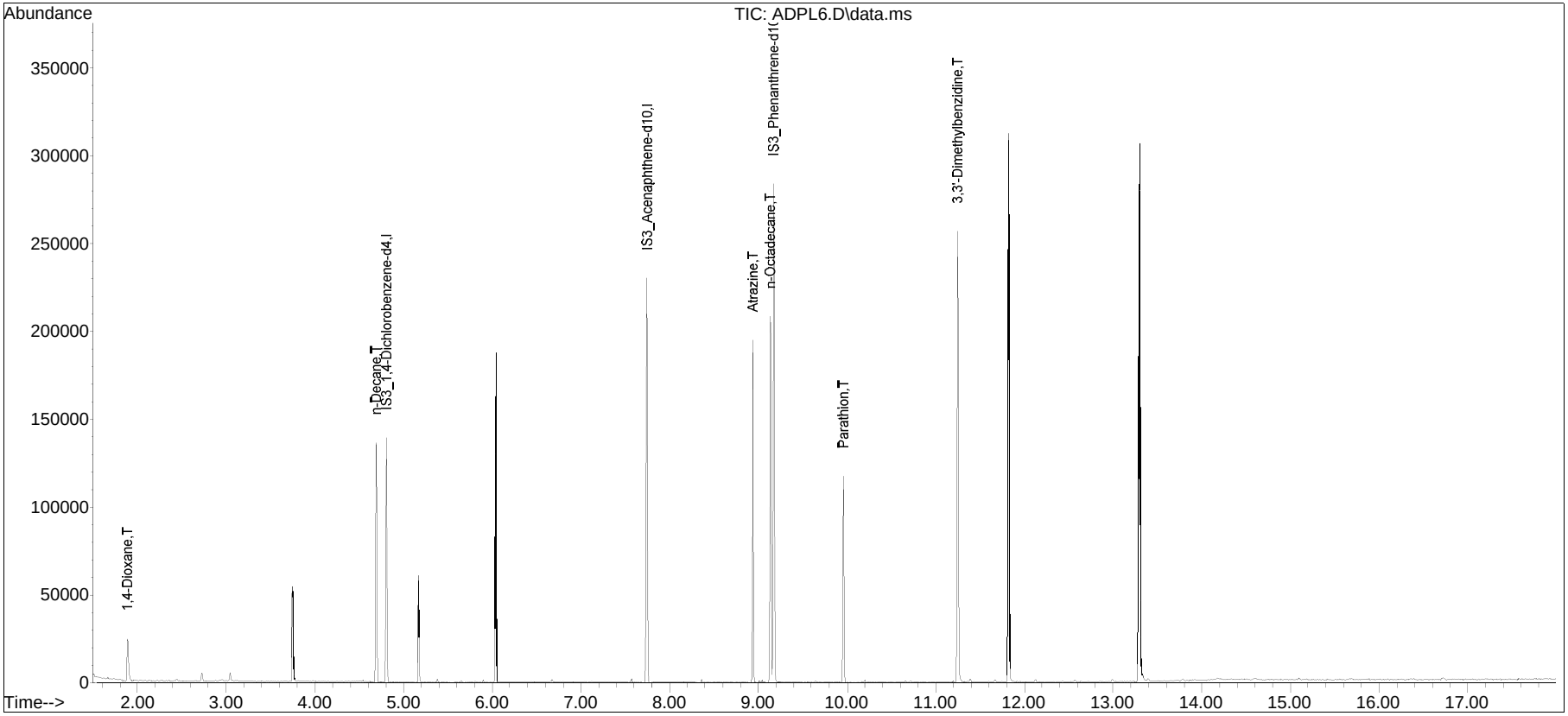
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20189	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.746	164	45088	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	9.175	188	107936	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.00%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10485	4.416	ug/ml	92
34) n-Decane	4.687	57	26759	4.628	ug/ml#	95
87) Atrazine	8.940	200	22386	4.500	ug/ml	95
101) n-Octadecane	9.140	57	37722	4.443	ug/ml	90
102) Parathion	9.957	109	9947	4.172	ug/ml#	87
103) 3,3'-Dimethylbenzidine	11.245	212	91256	4.295	ug/ml	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL6.D
Acq On : 26 Jun 2024 05:35 am
Operator : SV112:mrg
Sample : IL5,32,,ADPL5 Lot# 10799
Misc : WG1939943
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 06:25:38 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:35 am	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 10799	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22831	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	113.09%		
86) IS3_Acenaphthene-d10	7.746	164	52224	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	115.83%		
100) IS3_Phenanthrene-d10	9.175	188	128613	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	119.16%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	6660	2.480	ug/ml	94
34) n-Decane	4.687	57	16085	2.460	ug/ml#	94
87) Atrazine	8.940	200	14680	2.548	ug/ml	97
101) n-Octadecane	9.140	57	25638	2.534	ug/ml	91
102) Parathion	9.957	109	6159	2.256	ug/ml#	85
103) 3,3'-Dimethylbenzidine	11.246	212	56264	2.319	ug/ml	98

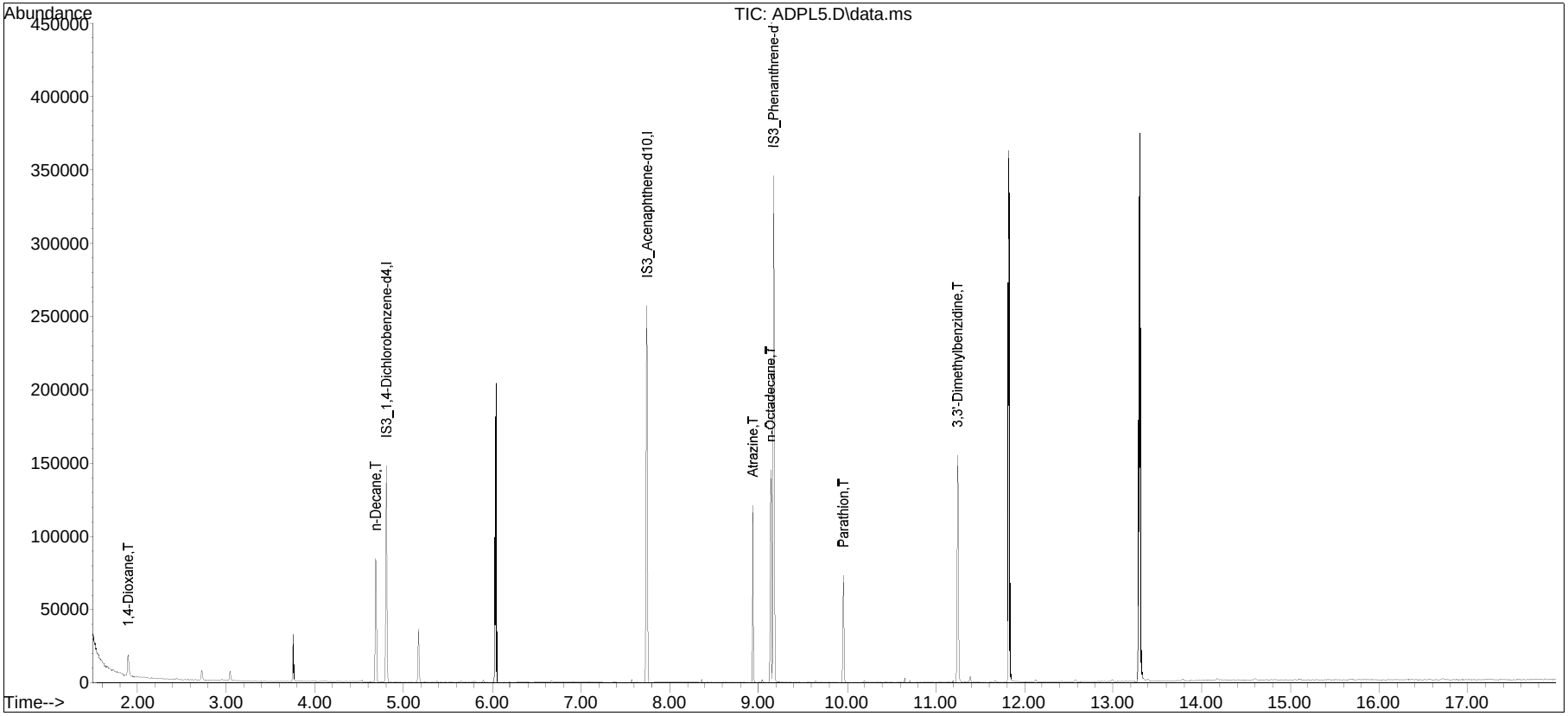
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL5.D
Acq On : 26 Jun 2024 05:58 am
Operator : SV112:mrg
Sample : IL6,32,,ADPL2.5 Lot# 10800
Misc : WG1939943
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 01 06:25:27 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPL5.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 5:58 am	Instrument	: SV112
Sample	: IL6,32,,ADPL2.5 Lot# 10800	Quant Date	: 7/1/2024 6:26 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
	Internal Standards							
32)	IS3_1,4-Dichlorobenzen...	4.805	152	19329	4.000	ug/ml		0.00
	Standard Area 1 = 20189			Recovery = 95.74%				
86)	IS3_Acenaphthene-d10	7.746	164	44400	4.000	ug/ml		0.00
	Standard Area 1 = 45088			Recovery = 98.47%				
100)	IS3_Phenanthrene-d10	9.175	188	106041	4.000	ug/ml	#	0.00
	Standard Area 1 = 107936			Recovery = 98.24%				
	System Monitoring Compounds							
	Target Compounds							Qvalue
33)	1,4-Dioxane	1.893	88	2741M6	1.206	ug/ml		
34)	n-Decane	4.687	57	6064	1.096	ug/ml		95
87)	Atrazine	8.940	200	5191	1.060	ug/ml		96
101)	n-Octadecane	9.140	57	8435	1.011	ug/ml		91
102)	Parathion	9.957	109	2128	1.022	ug/ml	#	90
103)	3,3'-Dimethylbenzidine	11.245	212	17509	1.000	ug/ml		98

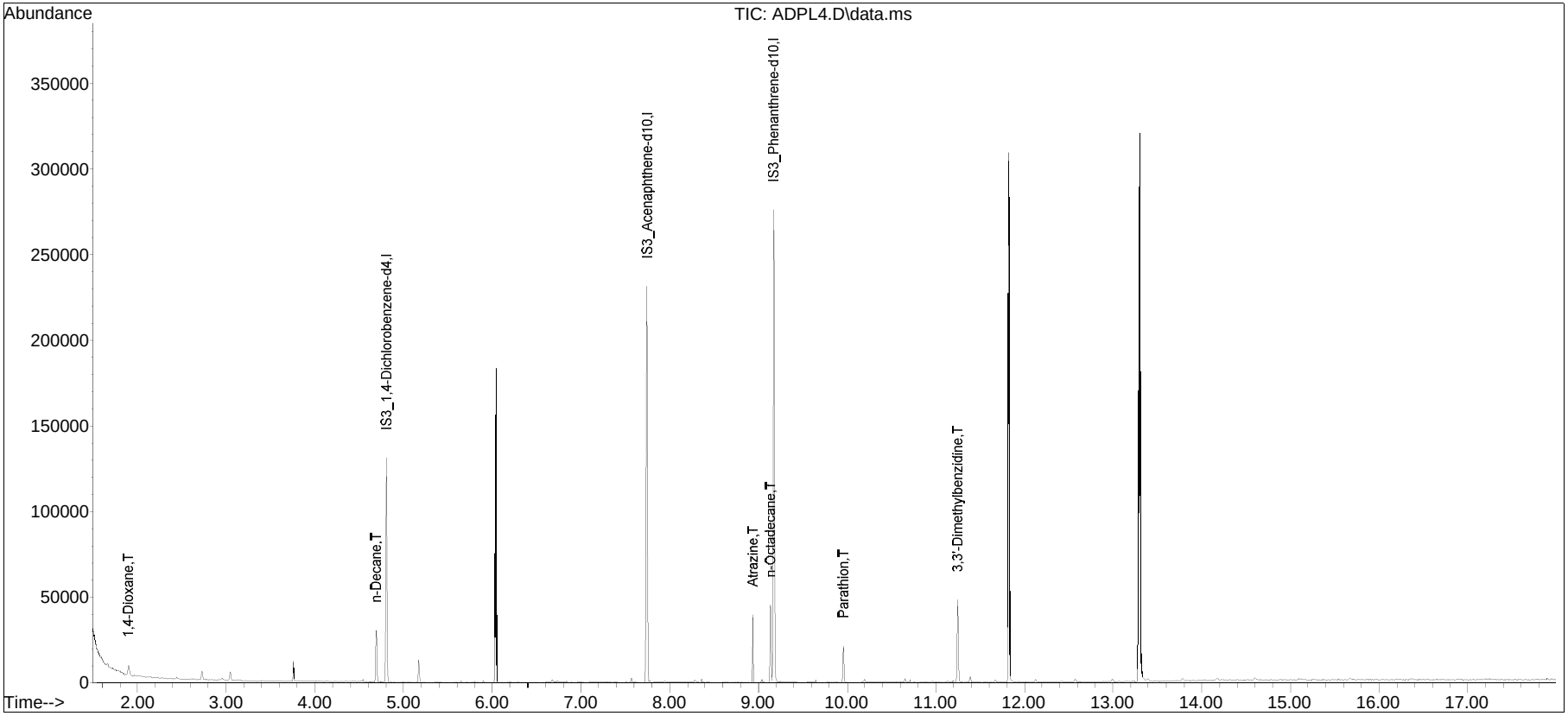
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL4.D
Acq On : 26 Jun 2024 06:21 am
Operator : SV112:mrg
Sample : IL7,32,,ADPL1 Lot# 10801
Misc : WG1939943
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 01 06:25:16 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

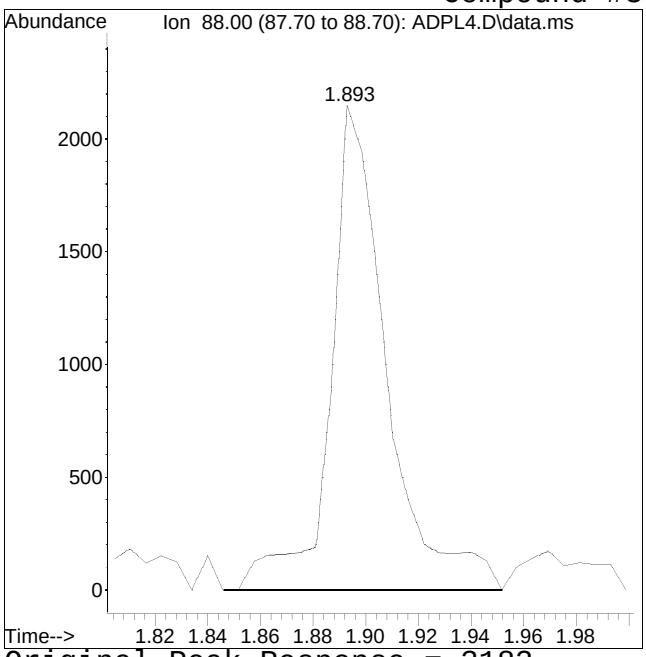
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



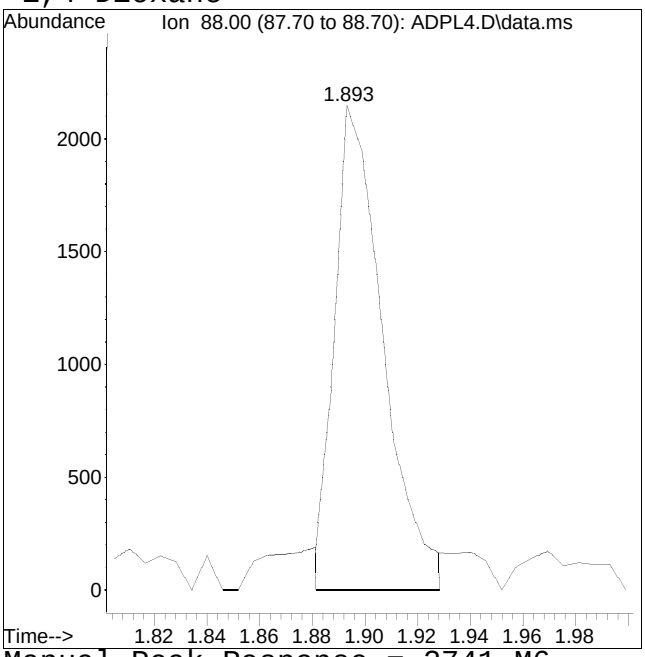
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL4.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:21 am Instrument : SV112
Sample : IL7,32,,ADPL1 Lot# 10801 Quant Date : 7/1/2024 6:26 am

Compound #33: 1,4-Dioxane



Original Peak Response = 3183



Manual Peak Response = 2741 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	20408	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	101.08%		
86) IS3_Acenaphthene-d10	7.746	164	46018	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.06%		
100) IS3_Phenanthrene-d10	9.175	188	108127	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	100.18%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.893	88	1517M6	0.632	ug/ml	
34) n-Decane	4.687	57	3040	0.520	ug/ml	94
87) Atrazine	8.940	200	2518	0.496	ug/ml	93
101) n-Octadecane	9.140	57	4037	0.475	ug/ml	93
102) Parathion	9.957	109	1026	0.547	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.245	212	8020	0.560	ug/ml	100

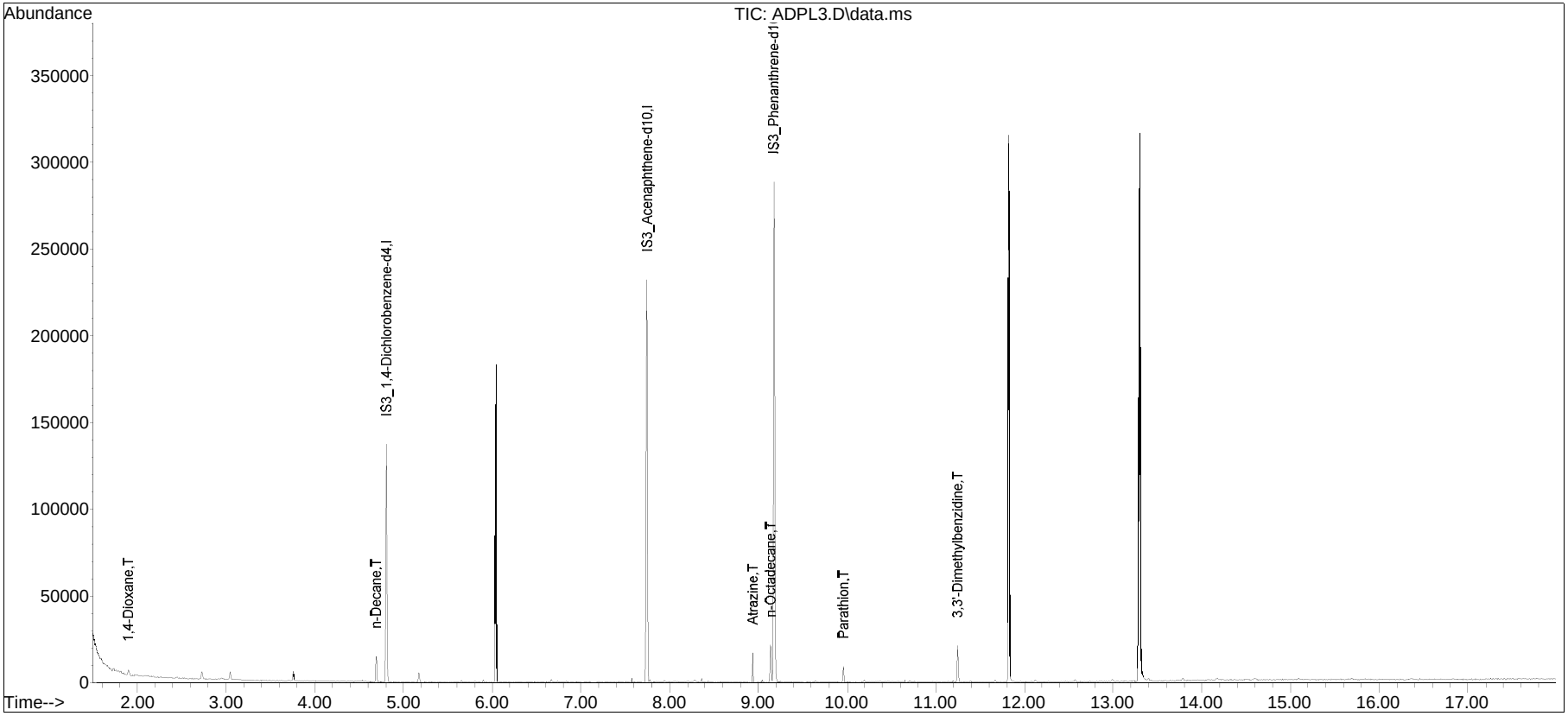
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL3.D
Acq On : 26 Jun 2024 06:44 am
Operator : SV112:mrg
Sample : IL8,32,,ADPL0.5 Lot# 10802
Misc : WG1939943
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 01 06:25:05 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

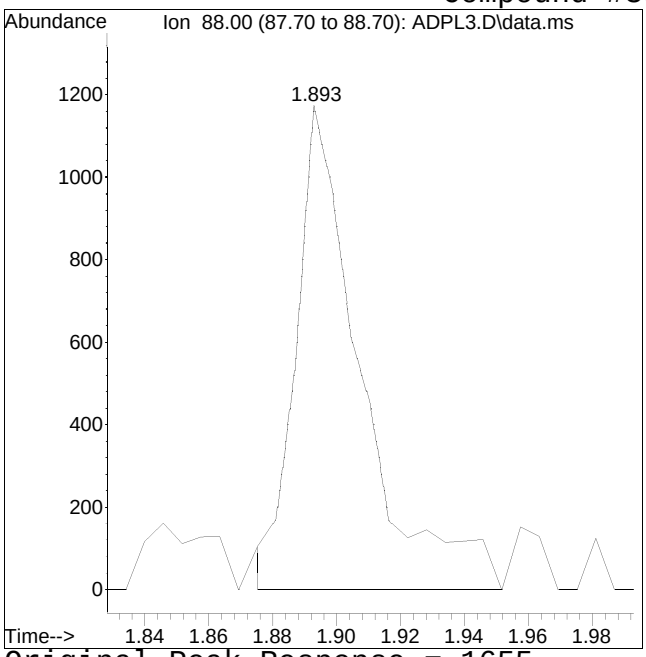
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



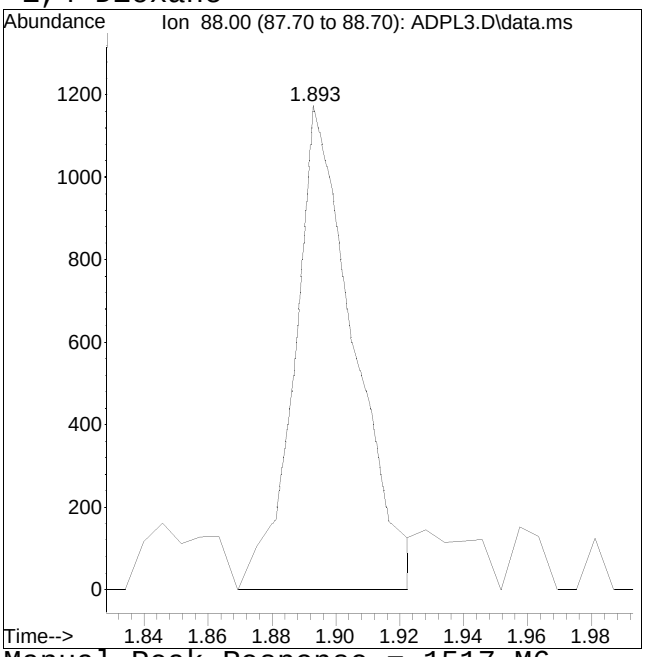
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL3.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 6:44 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 10802Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 1655



Manual Peak Response = 1517 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

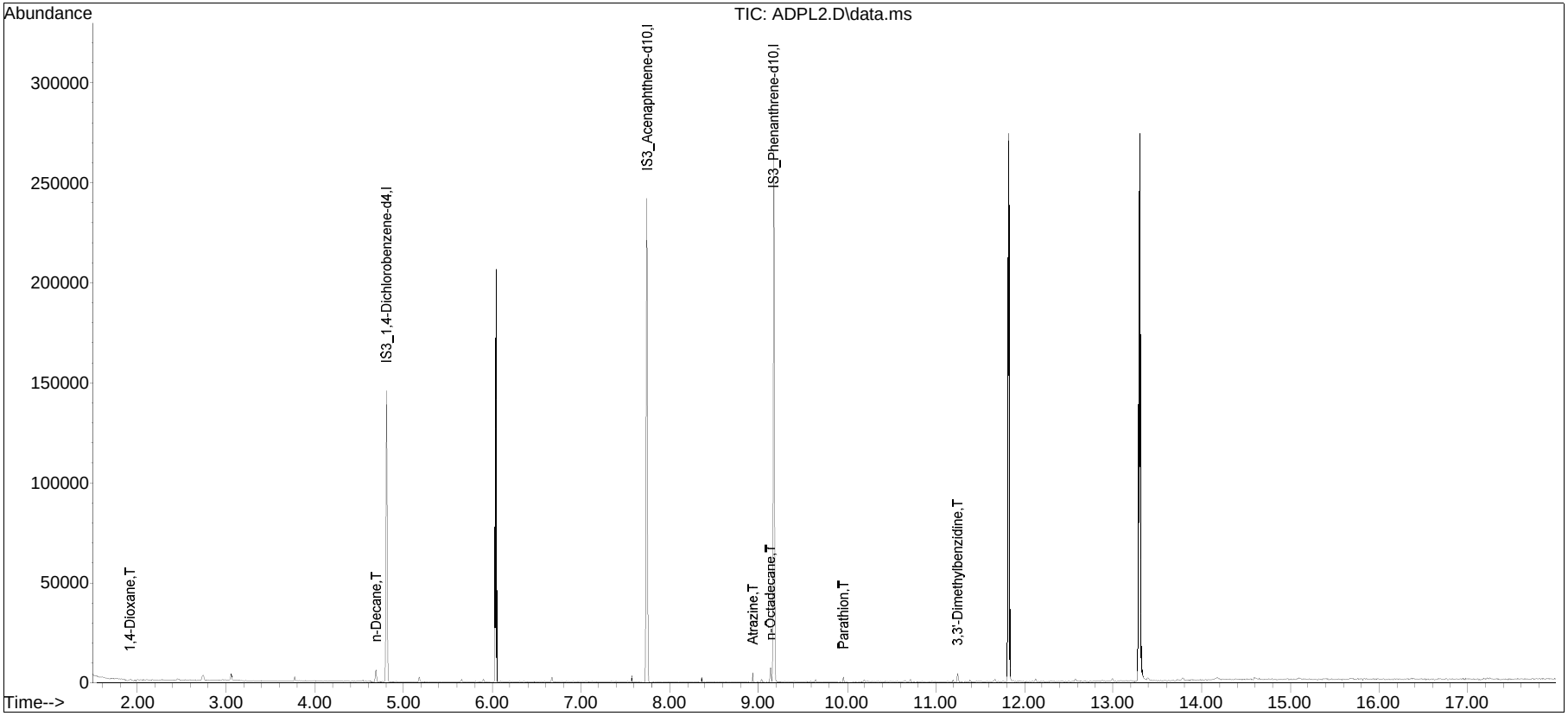
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	22327	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery =	110.59%		
86) IS3_Acenaphthene-d10	7.746	164	46135	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery =	102.32%		
100) IS3_Phenanthrene-d10	9.175	188	101129	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery =	93.69%		
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.916	88	588	0.224	ug/ml#	31
34) n-Decane	4.693	57	1353	0.212	ug/ml	95
87) Atrazine	8.940	200	862	0.169	ug/ml#	37
101) n-Octadecane	9.140	57	1533	0.193	ug/ml	93
102) Parathion	9.957	109	339M2	0.269	ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	2291	0.310	ug/ml#	61

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL2.D
Acq On : 26 Jun 2024 07:08 am
Operator : SV112:mrg
Sample : IL9,32,,ADPL0.2 Lot# 10803
Misc : WG1939943
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 01 06:24:54 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

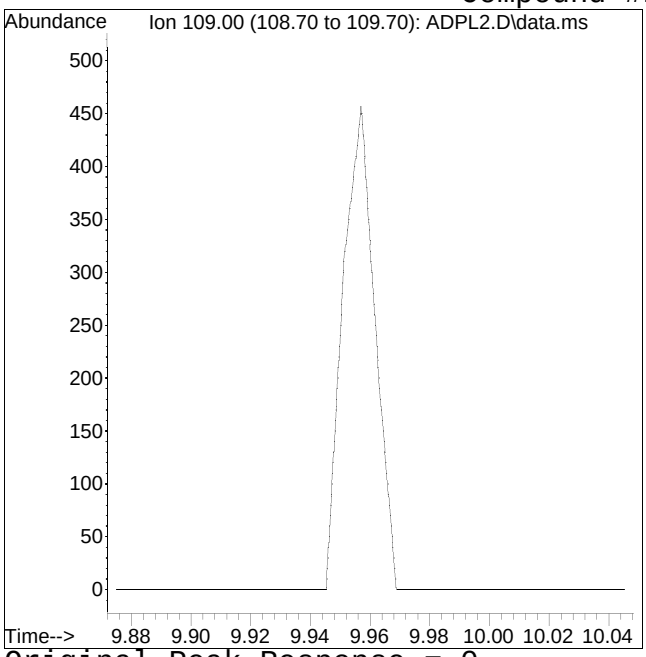
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



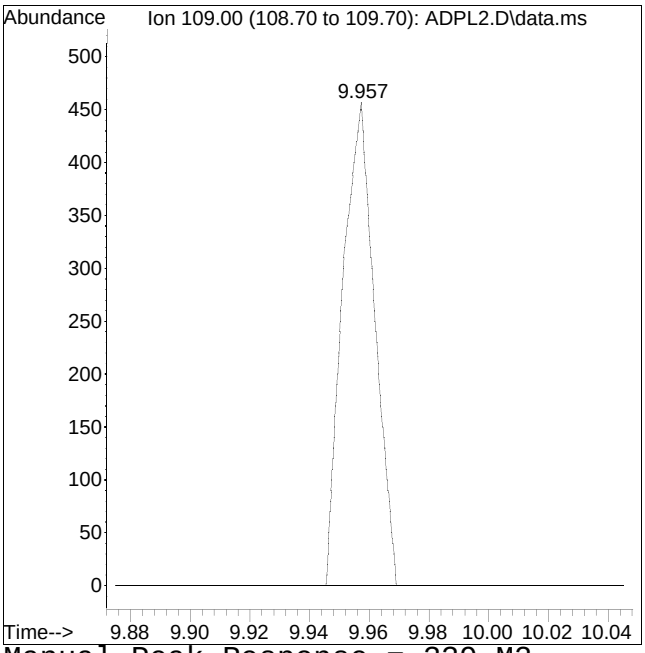
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL2.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:08 am Instrument : SV112
Sample : IL9,32,,ADPL0.2 Lot# 10803Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 339 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
32) IS3_1,4-Dichlorobenzen...	4.805	152	19406	4.000 ug/ml	0.00
Standard Area 1 = 20189			Recovery = 96.12%		
86) IS3_Acenaphthene-d10	7.746	164	43780	4.000 ug/ml	0.00
Standard Area 1 = 45088			Recovery = 97.10%		
100) IS3_Phenanthrene-d10	9.175	188	100147	4.000 ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 92.78%		
System Monitoring Compounds					
Target Compounds					Qvalue
33) 1,4-Dioxane	1.899	88	310M2	0.136 ug/ml	
34) n-Decane	4.687	57	592	0.107 ug/ml#	76
87) Atrazine	8.940	200	426M2	0.088 ug/ml	
101) n-Octadecane	9.146	57	780	0.099 ug/ml	92
102) Parathion	9.957	109	191M2	0.204 ug/ml	
103) 3,3'-Dimethylbenzidine	11.245	212	1151	0.256 ug/ml#	61

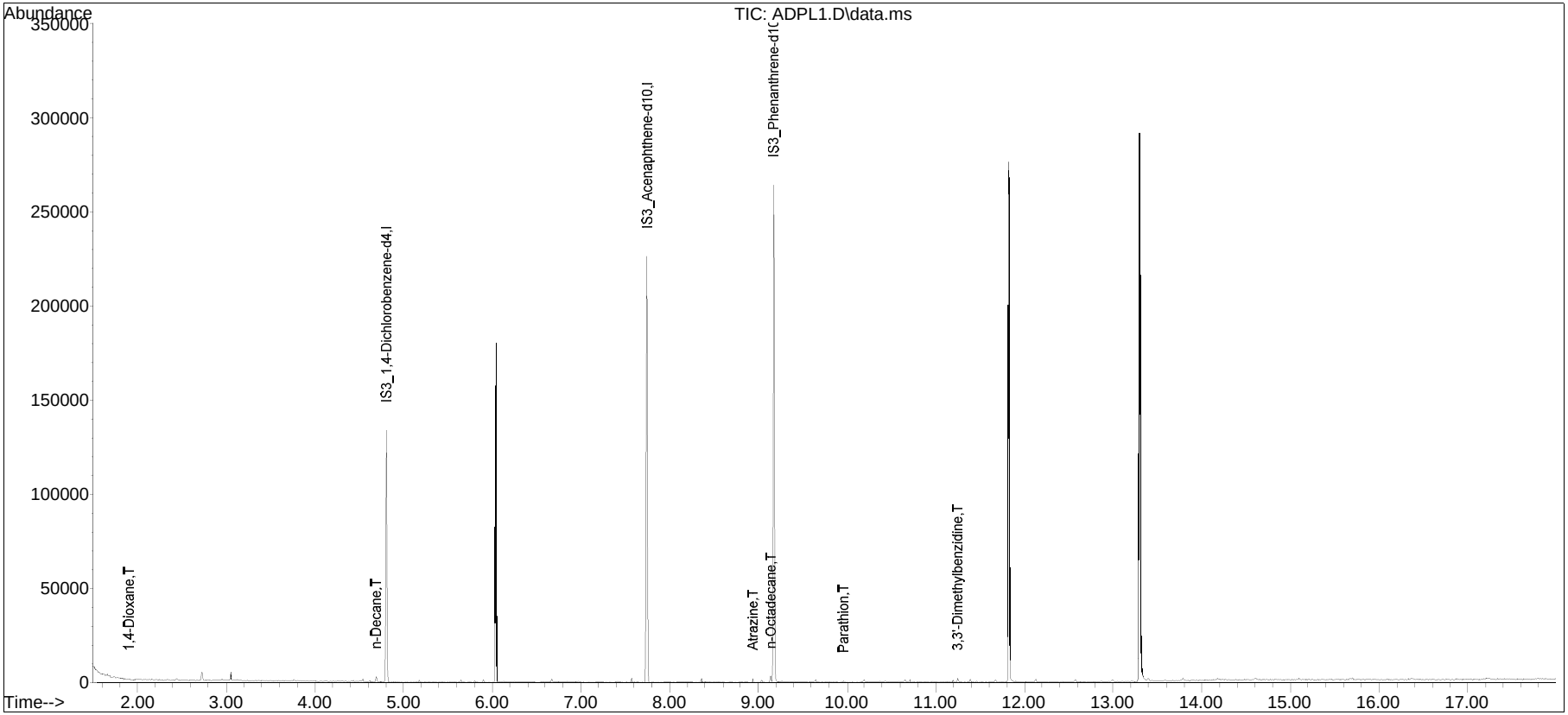
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPL1.D
Acq On : 26 Jun 2024 07:31 am
Operator : SV112:mrg
Sample : IL10,32,,ADPL0.1 Lot# 10804
Misc : WG1939943
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 01 06:24:42 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

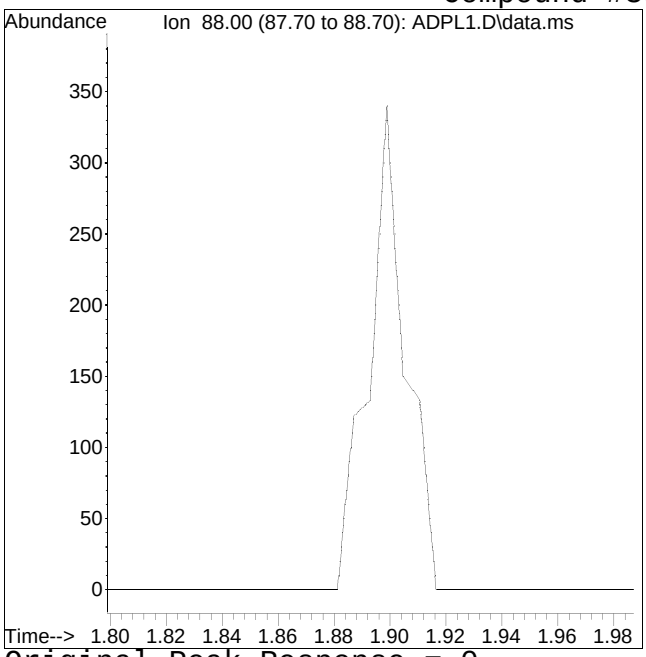
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



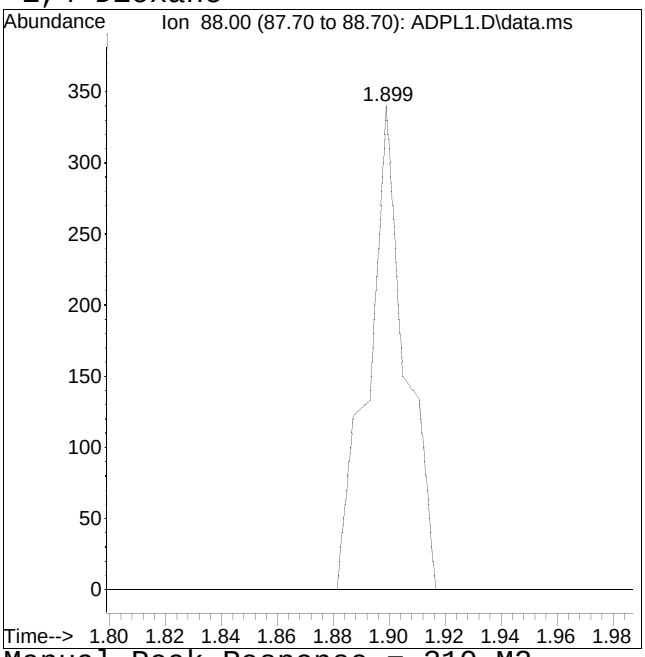
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0



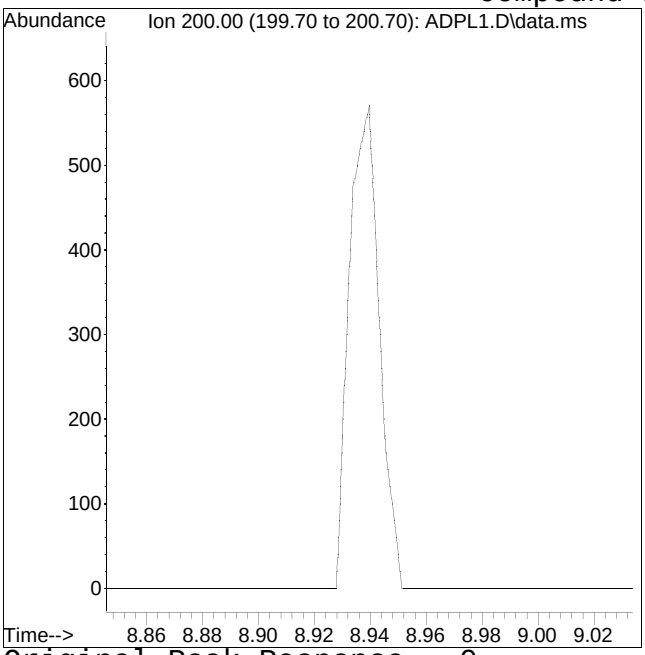
Manual Peak Response = 310 M2

M2 = Peak not found by automatic integration algorithm.

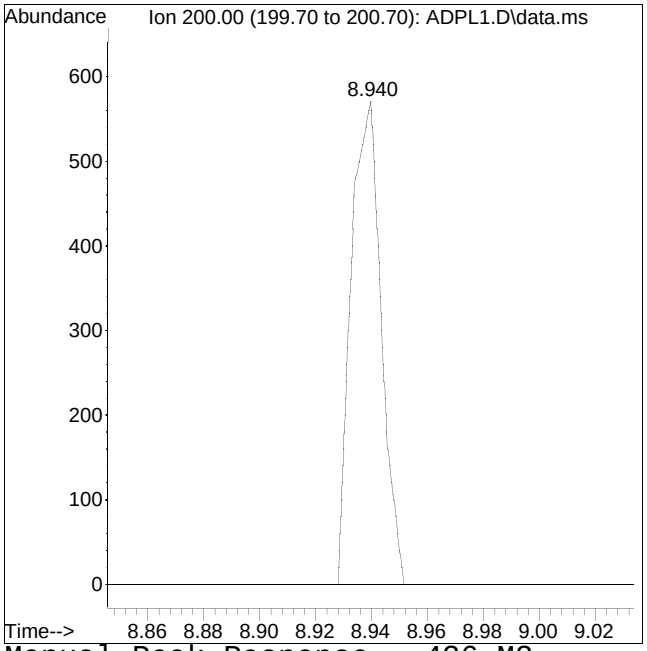
Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #87: Atrazine



Original Peak Response = 0



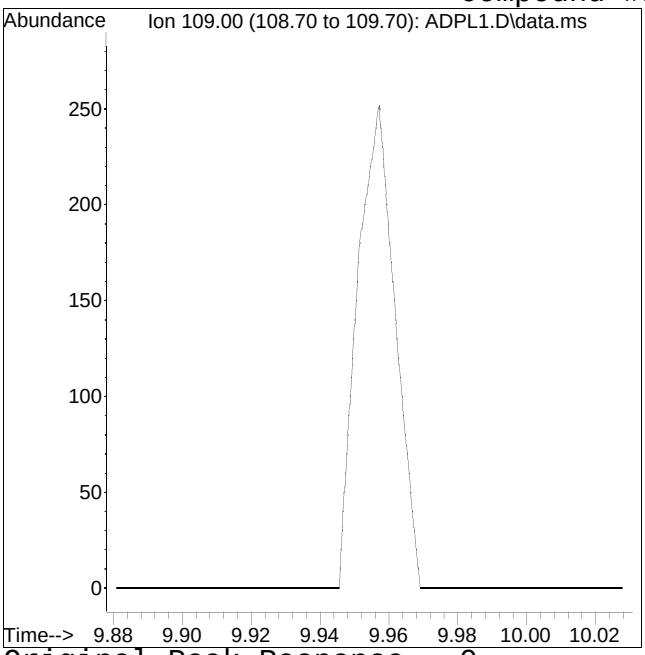
Manual Peak Response = 426 M2

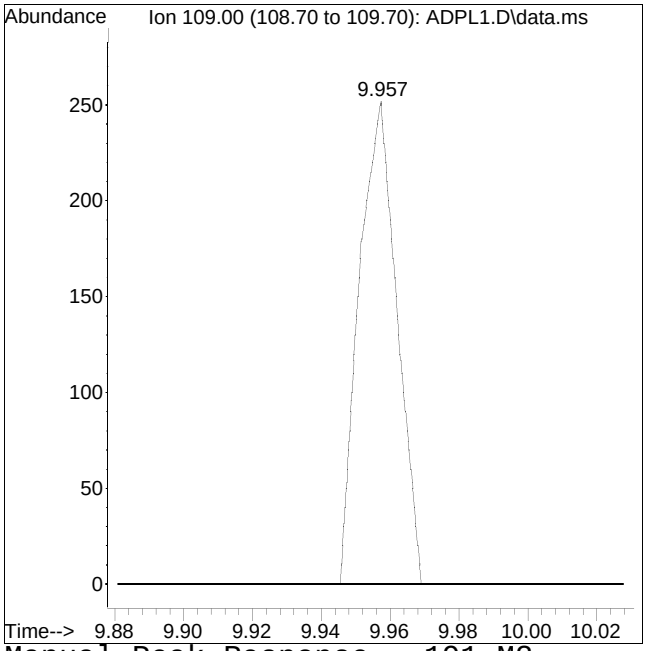
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\240625RVTicaQMethod : FS240625SV112RVT.m
Data File : ADPL1.D Operator : SV112:mrg
Date Inj'd : 6/26/2024 7:31 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 1080Quant Date : 7/1/2024 6:25 am

Compound #102: Parathion





Original Peak Response = 0 Manual Peak Response = 191 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	93	0.00
33	T	1,4-Dioxane		0.470	0.437	7.0	98	0.00
34	T	n-Decane		1.145	1.147	-0.2	101	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	100	0.00
87	T	Atrazine		0.441	0.385	12.7	97	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	101	0.00
101	T	n-Octadecane		0.315	0.303	3.8	109	0.00
102	T	Parathion	*	5.000	3.993	20.1#	96	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	3.947	21.1#	92	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240625RVTical\ADPL6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.805	152	18786	4.000	ug/ml	0.00
Standard Area 1 = 20189			Recovery = 93.05%			
86) IS3_Acenaphthene-d10	7.746	164	45310	4.000	ug/ml	0.00
Standard Area 1 = 45088			Recovery = 100.49%			
100) IS3_Phenanthrene-d10	9.175	188	108986	4.000	ug/ml	# 0.00
Standard Area 1 = 107936			Recovery = 100.97%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.887	88	10259	4.643	ug/ml#	89
34) n-Decane	4.687	57	26927	5.005	ug/ml	94
87) Atrazine	8.940	200	21793	4.360	ug/ml	98
101) n-Octadecane	9.146	57	41233	4.809	ug/ml	94
102) Parathion	9.957	109	9588	3.993	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.251	212	84313	3.947	ug/ml	98

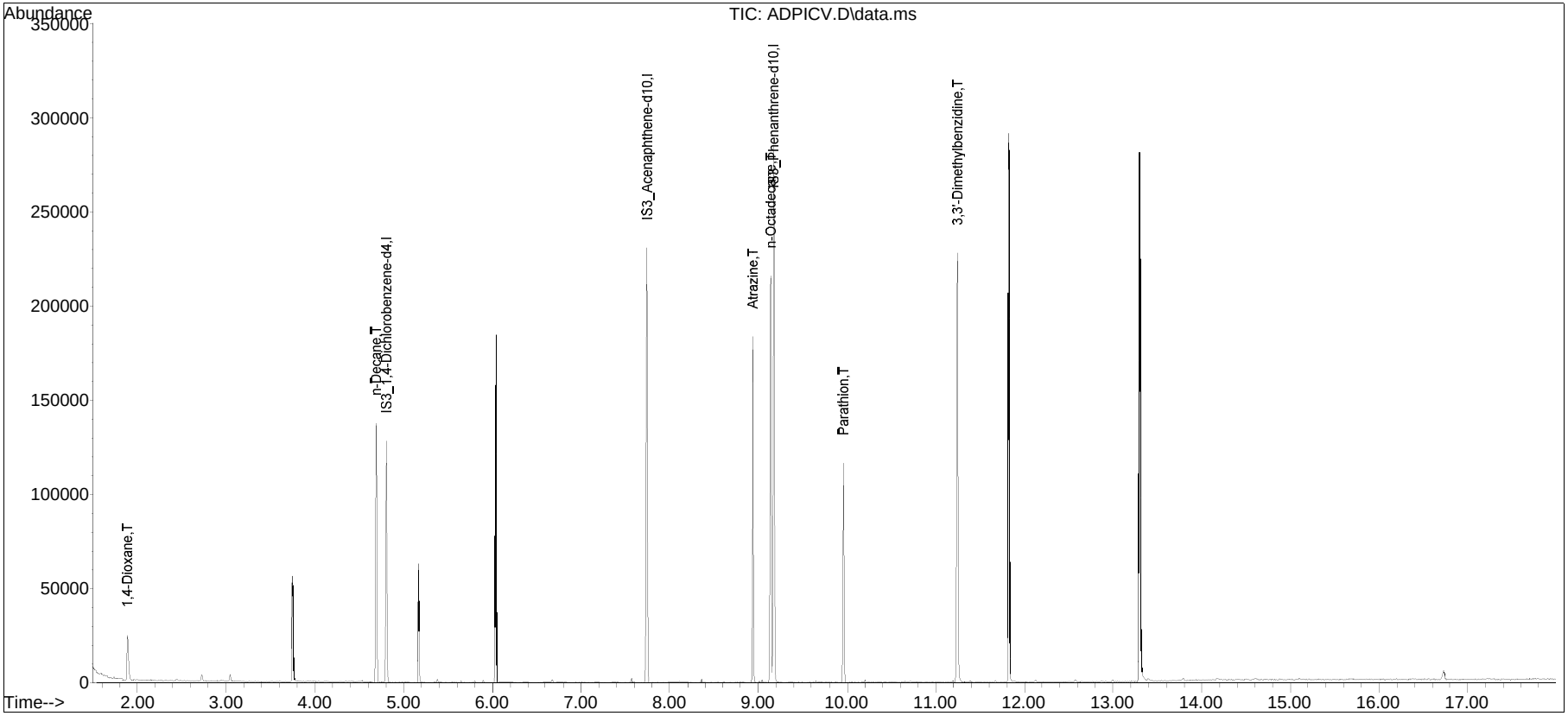
(#) = qualifier out of range (m) = manual integration (+) = signals summed

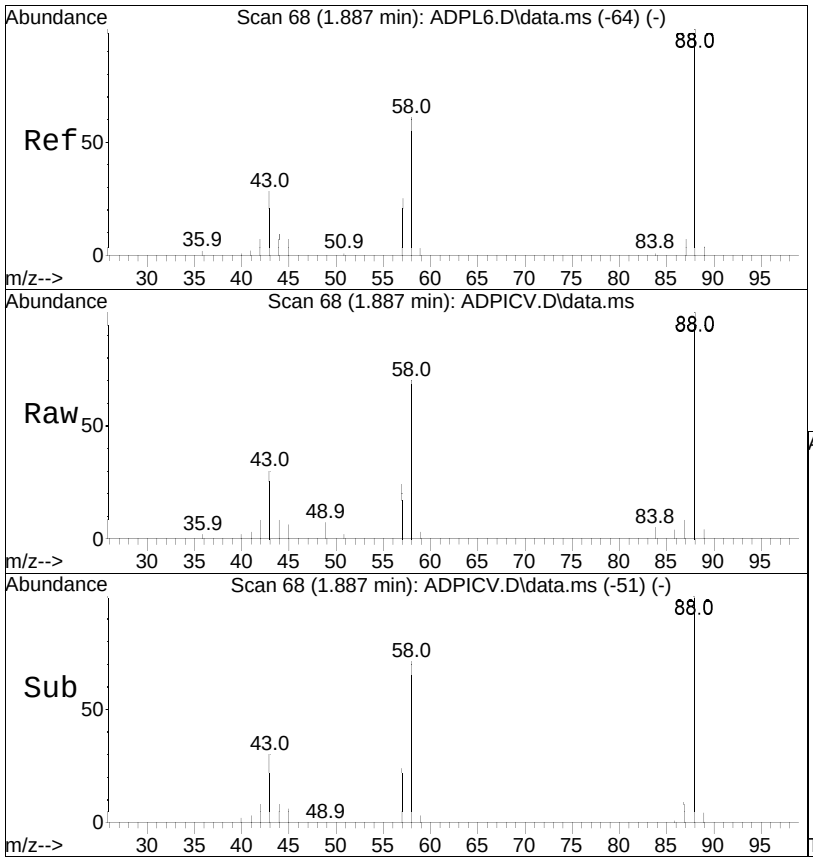
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240625RVTical\
Data File : ADPICV.D
Acq On : 26 Jun 2024 07:54 am
Operator : SV112:mrg
Sample : CQICV3,32,,ADPICV Lot# 10807
Misc : WG1939943
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jul 01 06:17:58 2024
Quant Method : I:\8270\SV112\240625RVTical\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 01 06:16:45 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

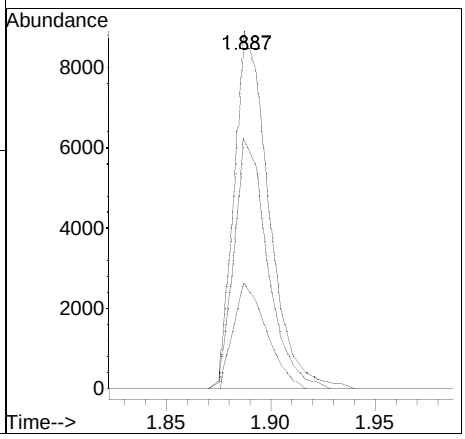


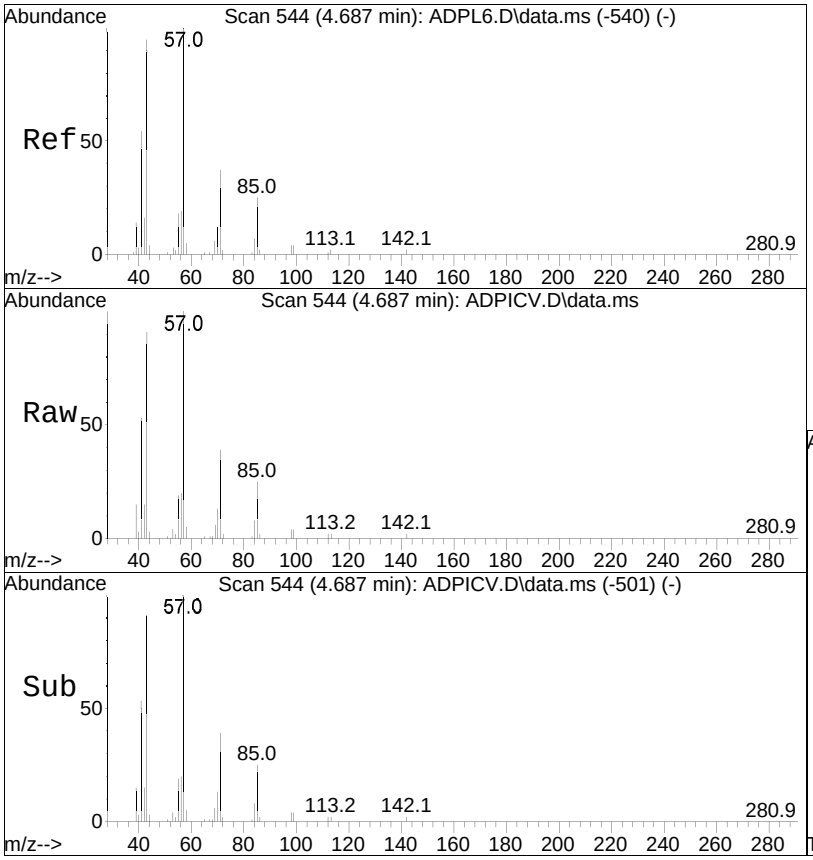


#33
1,4-Dioxane
Concen: 4.64 ug/ml
RT: 1.887 min Scan# 68
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 88 Resp: 10259

Ion	Ratio	Lower	Upper
88	100		
58	67.6	44.8	67.2#
43	28.3	22.4	33.6

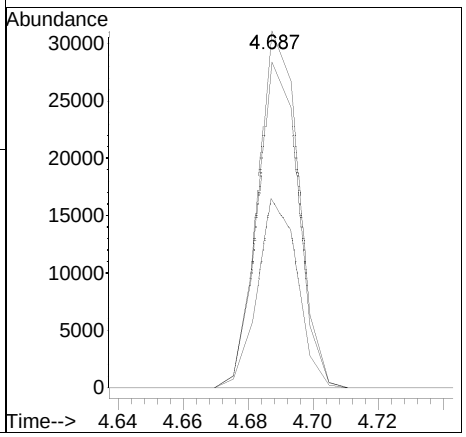


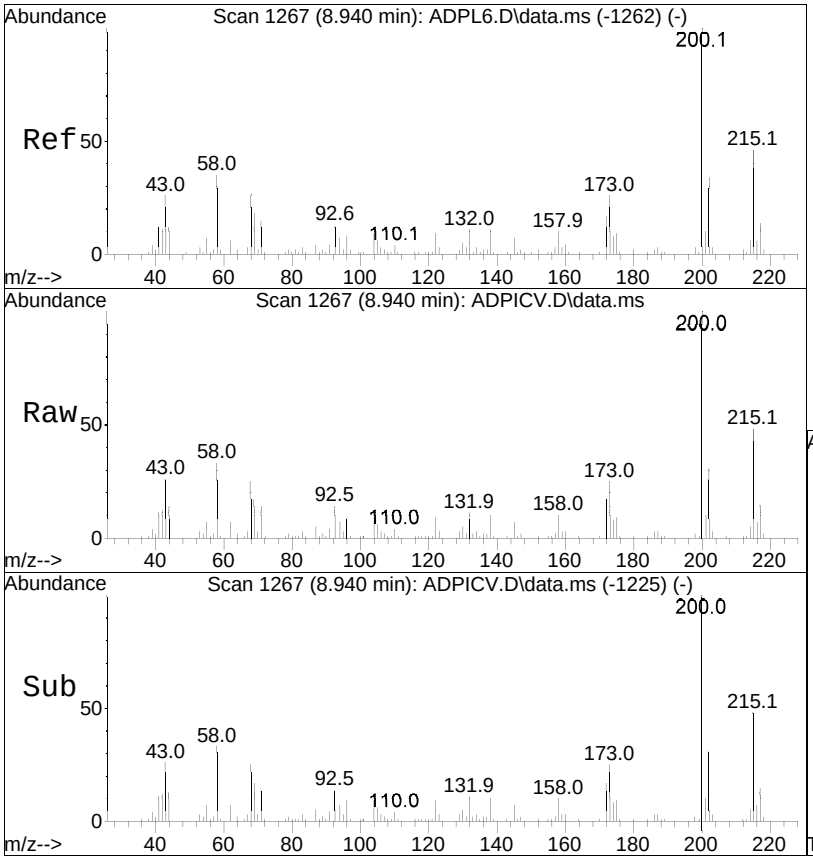


#34
n-Decane
Concen: 5.01 ug/ml
RT: 4.687 min Scan# 544
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 26927

Ion	Ratio	Lower	Upper
57	100		
43	91.4	75.4	113.2
41	52.1	35.0	52.6

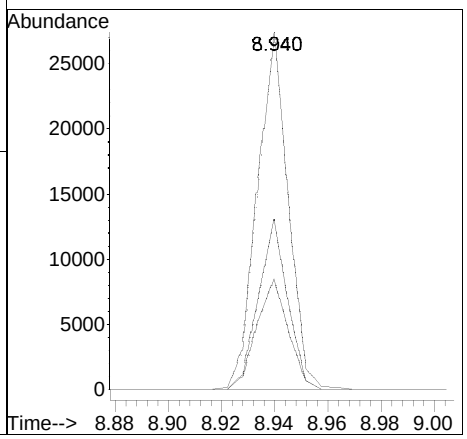


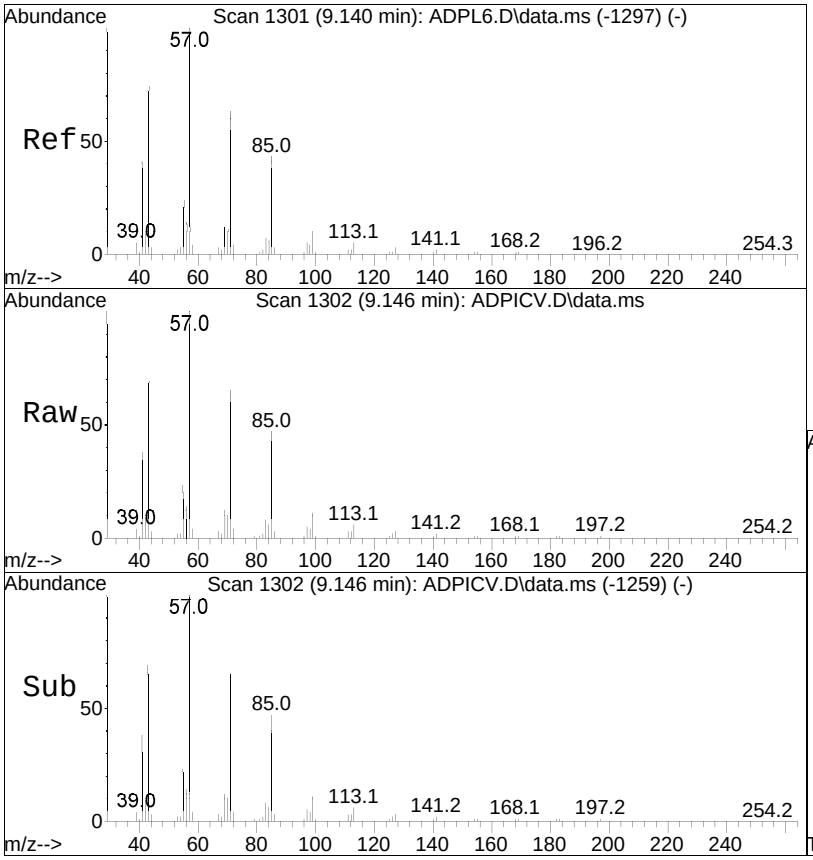


#87
Atrazine
Concen: 4.36 ug/ml
RT: 8.940 min Scan# 1267
Delta R.T. -0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:200 Resp: 21793

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.0	37.6
215	45.2	34.5	51.7

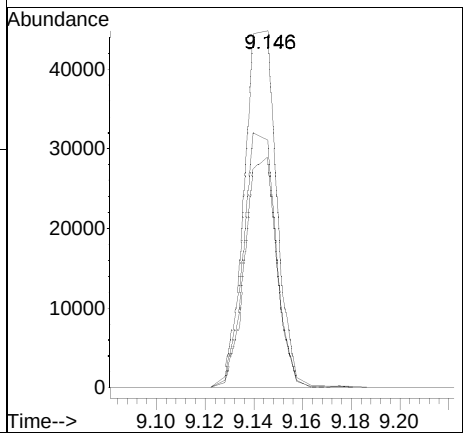


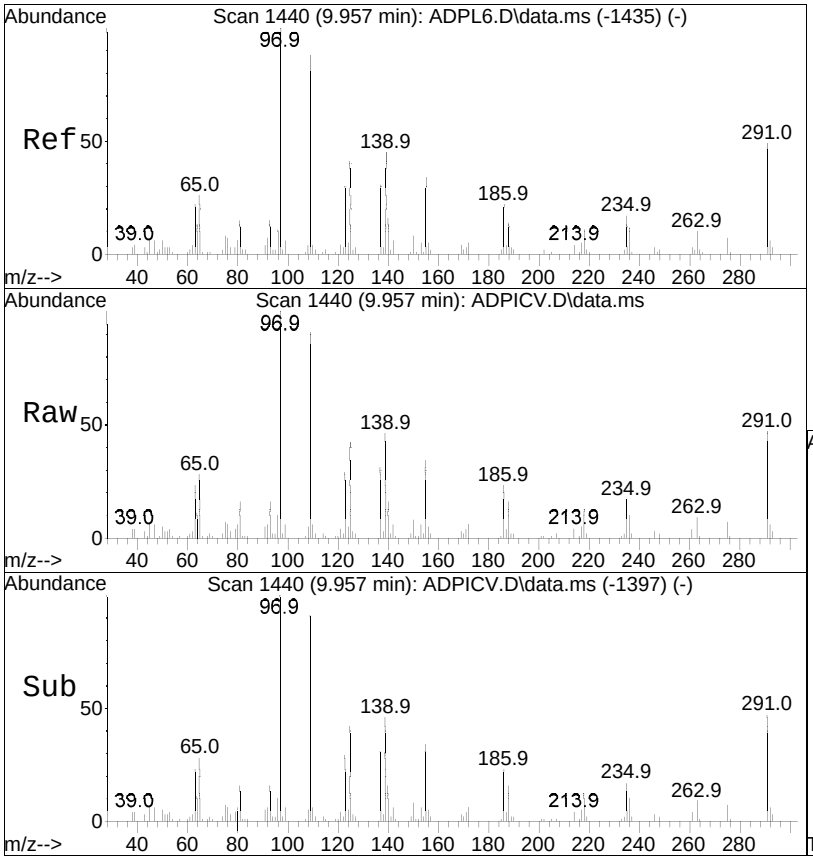


#101
n-Octadecane
Concen: 4.81 ug/ml
RT: 9.146 min Scan# 1302
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion: 57 Resp: 41233

Ion	Ratio	Lower	Upper
57	100		
43	70.9	54.3	81.5
71	62.9	45.1	67.7

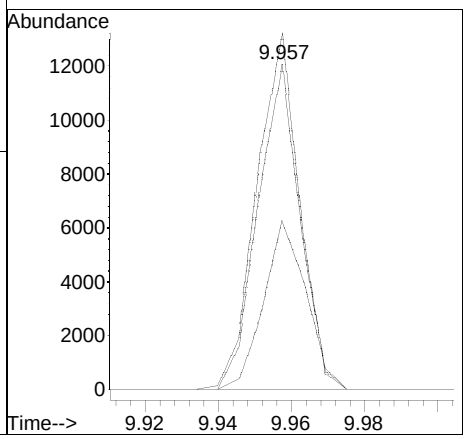


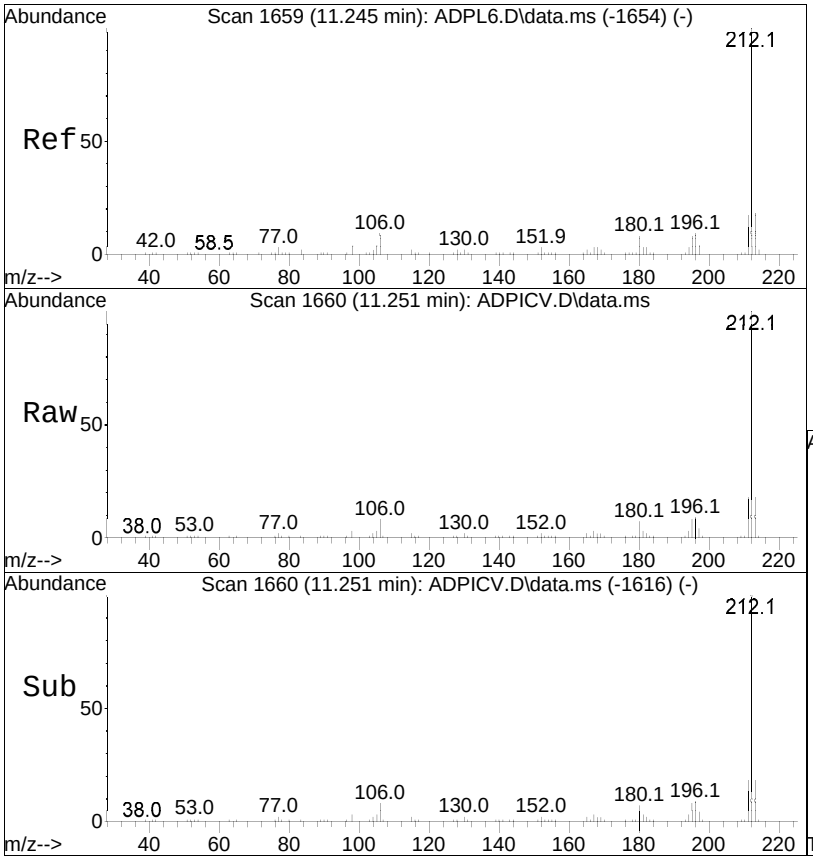


#102
Parathion
Concen: 3.99 ug/ml
RT: 9.957 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:109 Resp: 9588

Ion	Ratio	Lower	Upper
109	100		
97	111.2	85.4	128.2
291	52.4	25.4	38.2#

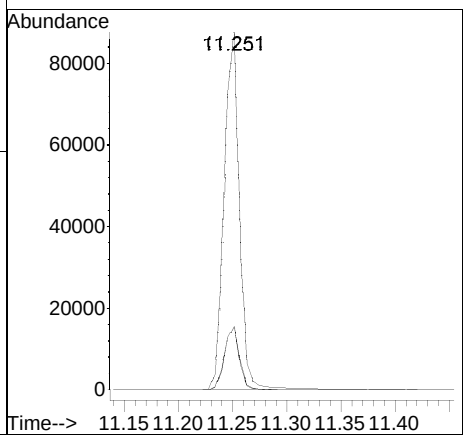




#103
3,3'-Dimethylbenzidine
Concen: 3.95 ug/ml
RT: 11.251 min Scan# 1660
Delta R.T. 0.006 min
Lab File: ADPICV.D
Acq: 26 Jun 2024 07:54 am

Tgt Ion:212 Resp: 84313

Ion	Ratio	Lower	Upper
212	100		
211	17.1	13.3	19.9
213	17.7	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\240625RVTica	QMethod	: FS240625SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:mrg
Date Inj'd	: 6/26/2024 7:54 am	Instrument	: SV112
Sample	: CQICV3,32,,ADPICV Lot# 108	Quant Date	: 7/1/2024 6:18 am

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV112

Method Path : I:\8270\SV112\240625RVTical\
Method File : FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Jun 30 14:25:57 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.612	-7.8	2.50	2.700	8.0
60	T Caprolactam	L	ug/ml	5.0	4.695	-6.1	1.00	1.156	15.6
66	T 2,4-Dinitrophenol	Q	ug/ml	5.0	4.592	-8.2	0.50	0.607	21.4
76	T 4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.193	-16.1	0.25	0.319	27.6
84	T Dichloran	L	ug/ml	5.0	4.379	-12.4	1.00	1.239	23.9
102	T Parathion	Q	ug/ml	5.0	4.172	-16.6	0.25	0.269	7.6
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.295	-14.1	0.50	0.560	12.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.999194	0.000000	0.256856	-0.0929314
60	T Caprolactam	Linear	0.998974	0.000000	0.182736	-0.0213123
66	T 2,4-Dinitrophenol	Quadratic	0.998454	0.002114	0.171832	-0.0162283
76	T 4,6-Dinitro-o-cresol	Linear	0.996627	0.000000	0.257628	-0.0149534
84	T Dichloran	Linear	0.996413	0.000000	0.264594	-0.0418721
102	T Parathion	Quadratic	0.998154	0.002810	0.0878995	-0.00258094
103	T 3,3'-Dimethylbenzidine	Linear	0.997070	0.000000	0.82599	-0.0414416

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	64	0
n-Nitrosodimethylamine	0.695	0.58	-	16.5	20	57	0
Pyridine	1.127	0.839	-	25.6*	20	52	0
2-Fluorophenol	1.028	0.984	-	4.3	20	63	0
Aniline	1.706	1.501	-	12	20	60	0
2-Chlorophenol	1.15	1.167	-	-1.5	20	66	0
Phenol-d6	1.297	1.206	-	7	20	64	0
Phenol	1.512	1.308	-	13.5	20	58	0
Bis(2-chloroethyl)ether	0.991	0.877	-	11.5	20	60	0
1,3-Dichlorobenzene	1.48	1.48	-	0	20	66	0
1,4-Dichlorobenzene	1.533	1.49	-	2.8	20	66	0
1,2-Dichlorobenzene	1.454	1.477	-	-1.6	20	69	0
Benzyl alcohol	0.973	0.86	-	11.6	20	57	0
Bis(2-chloroisopropyl)ethe	1.478	0.735	-	50.3*	20	34	0
2-Methylphenol	1.039	1.023	-	1.5	20	65	0
Hexachloroethane	0.544	0.47	-	13.6	20	59	0
n-Nitrosodi-n-propylamine	0.912	0.72	-	21.1*	20	54	0
3-Methylphenol/4-Methylphe	1.095	1.108	-	-1.2	20	68	0
Nitrobenzene-d5	1.354	1.136	-	16.1	20	58	0
Nitrobenzene	1.298	1.047	-	19.3	20	55	0
Isophorone	2.275	1.951	-	14.2	20	56	0
2-Nitrophenol	0.644	0.705	-	-9.5	20	75	0
2,4-Dimethylphenol	1.097	1.107	-	-0.9	20	68	0
Bis(2-chloroethoxy)methane	1.398	1.113	-	20.4*	20	53	0
2,4-Dichlorophenol	1.237	1.298	-	-4.9	20	68	0
1,2,4-Trichlorobenzene	1.544	1.487	-	3.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.042	0.971	-	6.8	20	69	0
Benzoic Acid	5	5.038	-	-0.8	20	79	0
4-Chloroaniline	0.127	0.099	-	22*	20	55	0
Hexachlorobutadiene	0.25	0.223	-	10.8	20	65	0
p-Chloro-m-cresol	0.291	0.265	-	8.9	20	64	0
2-Methylnaphthalene	0.749	0.714	-	4.7	20	69	0
1-Methylnaphthalene	0.245	0.22	-	10.2	20	66	0
Hexachlorocyclopentadiene	0.29	0.287	-	1	20	72	0
2,4,6-Trichlorophenol	0.296	0.294	-	0.7	20	72	0
2,4,5-Trichlorophenol	0.316	0.303	-	4.1	20	67	0
2-Fluorobiphenyl	1.003	0.95	-	5.3	20	68	0
2-Chloronaphthalene	0.83	0.798	-	3.9	20	69	0
2-Nitroaniline	0.221	0.236	-	-6.8	20	76	0
1,4-Dinitrobenzene	0.117	0.125	-	-6.8	20	76	0
1,3-Dinitrobenzene	0.127	0.139	-	-9.4	20	73	0
Dimethyl phthalate	1.032	0.974	-	5.6	20	69	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.24	1.242	-	-0.2	20	70	0
2,6-Dinitrotoluene	0.204	0.209	-	-2.5	20	73	0
1,2-Dinitrobenzene	0.074	0.086	-	-16.2	20	74	0
IS1_Acenaphthene-d10	1	1	-	0	20	71	0
3-Nitroaniline	0.297	0.296	-	0.3	20	75	0
Acenaphthene	1.081	1.003	-	7.2	20	71	0
2,4-Dinitrophenol	5	5.35	-	-7	20	85	0
Dibenzofuran	1.903	1.692	-	11.1	20	69	0
2,4-Dinitrotoluene	0.404	0.42	-	-4	20	75	0
4-Nitrophenol	0.249	0.211	-	15.3	20	63	0
2,3,5,6-Tetrachlorophenol	0.428	0.411	-	4	20	74	0
2,3,4,6-Tetrachlorophenol	0.401	0.392	-	2.2	20	70	0
Diethyl phthalate	1.543	1.322	-	14.3	20	66	0
Fluorene	1.448	1.329	-	8.2	20	70	0
4-Chlorophenyl phenyl ethe	0.738	0.669	-	9.3	20	69	0
4-Nitroaniline	0.292	0.319	-	-9.2	20	79	0
4,6-Dinitro-o-cresol	0.255	0.284	-	-11.4	20	78	0
NDPA/DPA	1.243	1.171	-	5.8	20	72	0
Azobenzene	1.252	0.999	-	20.2*	20	61	0
2,4,6-Tribromophenol	0.261	0.287	-	-10	20	79	0
4-Bromophenyl phenyl ether	0.491	0.448	-	8.8	20	73	0
Hexachlorobenzene	0.609	0.569	-	6.6	20	74	0
Pentachlorophenol	0.369	0.383	-	-3.8	20	78	0
IS1_Phenanthrene-d10	1	1	-	0	20	76	0
Phenanthrene	1.081	0.925	-	14.4	20	71	0
Anthracene	1.043	0.934	-	10.5	20	72	0
Carbazole	0.988	0.908	-	8.1	20	74	0
Di-n-butylphthalate	1.134	1.042	-	8.1	20	72	0
Fluoranthene	1.317	1.193	-	9.4	20	74	0
Benzidine	0.734	0.751	-	-2.3	20	78	0
Pyrene	1.356	1.248	-	8	20	74	0
4-Terphenyl-d14	1.04	0.943	-	9.3	20	74	0
Butyl benzyl phthalate	0.51	0.487	-	4.5	20	73	0
IS1_Chrysene-d12	1	1	-	0	20	81	0
Benzo(a)anthracene	1.334	1.181	-	11.5	20	78	0
3,3'-Dichlorobenzidine	0.495	0.482	-	2.6	20	81	0
Chrysene	1.266	1.109	-	12.4	20	77	0
Bis(2-ethylhexyl)phthalate	0.75	0.669	-	10.8	20	72	0
Di-n-octylphthalate	1.251	1.176	-	6	20	76	0
Benzo(b)fluoranthene	1.424	1.34	-	5.9	20	82	0
Benzo(k)fluoranthene	1.355	1.227	-	9.4	20	80	0
Benzo(a)pyrene	1.262	1.206	-	4.4	20	81	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 20:51	
Lab File ID	: ABN0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-3		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.235	1.099	-	11	20	83	0
Dibenzo(a,h)anthracene	1.149	1.037	-	9.7	20	82	0
Benzo(ghi)perylene	1.129	1.037	-	8.1	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 21:35	
Lab File ID	: ADP0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-5		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
1,4-Dioxane	0.45	0.401	-	10.9	20	80	0
n-Decane	1.059	0.621	-	41.4*	20	55	0
IS3_Acenaphthene-d10	1	1	-	0	20	81	0
Atrazine	0.45	0.408	-	9.3	20	85	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.319	0.186	-	41.7*	20	50	0
Parathion	5	4.678	-	6.4	20	85	0
3,3'-Dimethylbenzidine	0.735	0.809	-	-10.1	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 21:59		
Lab File ID	: AP90825A	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-4	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Benzaldehyde	1.036	0.833	-	19.6	20	55	0
Acetophenone	1.772	1.389	-	21.6*	20	53	0
m-Toluidine	1.704	1.357	-	20.4*	20	52	0
2-Chloroaniline	1.648	1.372	-	16.7	20	57	0
IS2_Naphthalene-d8	1	1	-	0	20	69	0
a-Terpineol	0.269	0.146	-	45.7*	20	39	0
3-Chloroaniline	0.15	0.1	-	33.3*	20	47	0
2,6-Dichlorophenol	0.375	0.29	-	22.7*	20	54	0
1-chloro-2-nitrobenzene	0.155	0.107	-	31*	20	50	0
Caprolactam	0.134	0.069	-	48.5*	20	35	0
1,2,4,5-Tetrachlorobenzene	0.499	0.38	-	23.8*	20	55	0
Biphenyl	1.069	0.817	-	23.6*	20	54	0
IS2_Acenaphthene-d10	1	1	-	0	20	72	0
Dichloran	0.236	0.187	-	20.8*	20	61	0
Pentachloronitrobenzene	0.22	0.178	-	19.1	20	56	0
IS2_Phenanthrene-d10	1	1	-	0	20	70	0
Diphenamid	0.521	0.417	-	20	20	55	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
n-Nitrosodimethylamine	0.657	0.712	-	-8.4	20	104	0
Pyridine	1.043	1.077	-	-3.3	20	94	0
2-Fluorophenol	1.05	1.023	-	2.6	20	100	0
Aniline	1.811	1.616	-	10.8	20	96	0
2-Chlorophenol	1.251	1.147	-	8.3	20	98	0
Phenol-d6	1.357	1.289	-	5	20	98	0
Phenol	1.577	1.405	-	10.9	20	94	0
Bis(2-chloroethyl)ether	1.167	1.094	-	6.3	20	102	0
1,3-Dichlorobenzene	1.508	1.356	-	10.1	20	95	0
1,4-Dichlorobenzene	1.575	1.373	-	12.8	20	96	0
1,2-Dichlorobenzene	1.475	1.309	-	11.3	20	95	0
Benzyl alcohol	0.945	0.923	-	2.3	20	101	0
Bis(2-chloroisopropyl)ethe	1.475	1.601	-	-8.5	20	117	0
2-Methylphenol	1.056	0.983	-	6.9	20	97	0
Hexachloroethane	0.558	0.532	-	4.7	20	102	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	100	0
3-Methylphenol/4-Methylphe	1.15	1.069	-	7	20	95	0
Nitrobenzene-d5	1.294	1.231	-	4.9	20	99	0
Nitrobenzene	1.289	1.226	-	4.9	20	99	0
Isophorone	2.328	2.133	-	8.4	20	98	0
2-Nitrophenol	0.574	0.586	-	-2.1	20	106	0
2,4-Dimethylphenol	1.101	1.029	-	6.5	20	107	0
Bis(2-chloroethoxy)methane	1.567	1.374	-	12.3	20	98	0
2,4-Dichlorophenol	1.153	1.042	-	9.6	20	97	0
1,2,4-Trichlorobenzene	1.46	1.17	-	19.9	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.049	0.933	-	11.1	20	92	0
Benzoic Acid	5	4.999	-	0	20	111	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	102	0
Hexachlorobutadiene	0.246	0.209	-	15	20	91	0
p-Chloro-m-cresol	0.277	0.27	-	2.5	20	99	0
2-Methylnaphthalene	0.713	0.606	-	15	20	92	0
1-Methylnaphthalene	0.245	0.203	-	17.1	20	92	0
Hexachlorocyclopentadiene	0.251	0.229	-	8.8	20	100	0
2,4,6-Trichlorophenol	0.256	0.233	-	9	20	92	0
2,4,5-Trichlorophenol	0.262	0.249	-	5	20	95	0
2-Fluorobiphenyl	0.904	0.746	-	17.5	20	90	0
2-Chloronaphthalene	0.759	0.647	-	14.8	20	92	0
2-Nitroaniline	0.2	0.203	-	-1.5	20	105	0
1,4-Dinitrobenzene	0.098	0.099	-	-1	20	103	0
1,3-Dinitrobenzene	0.114	0.114	-	0	20	102	0
Dimethyl phthalate	0.923	0.779	-	15.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.011	-	9.7	20	94	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	102	0
1,2-Dinitrobenzene	0.076	0.073	-	3.9	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.299	0.312	-	-4.3	20	100	0
Acenaphthene	1.115	0.969	-	13.1	20	92	0
2,4-Dinitrophenol	5	5.716	-	-14.3	20	126	0
Dibenzofuran	1.837	1.588	-	13.6	20	91	0
2,4-Dinitrotoluene	0.383	0.395	-	-3.1	20	100	0
4-Nitrophenol	0.29	0.283	-	2.4	20	98	0
2,3,5,6-Tetrachlorophenol	0.377	0.372	-	1.3	20	95	0
2,3,4,6-Tetrachlorophenol	0.37	0.364	-	1.6	20	98	0
Diethyl phthalate	1.487	1.317	-	11.4	20	97	0
Fluorene	1.431	1.263	-	11.7	20	93	0
4-Chlorophenyl phenyl ethe	0.78	0.621	-	20.4*	20	89	0
4-Nitroaniline	0.314	0.312	-	0.6	20	92	0
4,6-Dinitro-o-cresol	5	4.99	-	0.2	20	119	0
NDPA/DPA	1.231	1.078	-	12.4	20	92	0
Azobenzene	1.305	1.249	-	4.3	20	98	0
2,4,6-Tribromophenol	0.257	0.231	-	10.1	20	97	0
4-Bromophenyl phenyl ether	0.5	0.396	-	20.8*	20	89	0
Hexachlorobenzene	0.628	0.487	-	22.5*	20	91	0
Pentachlorophenol	0.322	0.325	-	-0.9	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	100	0
Phenanthrene	1.058	0.933	-	11.8	20	92	0
Anthracene	1.035	0.936	-	9.6	20	94	0
Carbazole	0.948	0.886	-	6.5	20	93	0
Di-n-butylphthalate	1.034	1.007	-	2.6	20	103	0
Fluoranthene	1.228	1.112	-	9.4	20	94	0
Benzidine	0.675	0.694	-	-2.8	20	99	0
Pyrene	1.301	1.176	-	9.6	20	91	0
4-Terphenyl-d14	1.029	0.864	-	16	20	90	0
Butyl benzyl phthalate	0.458	0.47	-	-2.6	20	111	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.284	1.153	-	10.2	20	90	0
3,3'-Dichlorobenzidine	0.468	0.453	-	3.2	20	94	0
Chrysene	1.259	1.132	-	10.1	20	91	0
Bis(2-ethylhexyl)phthalate	0.639	0.656	-	-2.7	20	105	0
Di-n-octylphthalate	0.979	1.125	-	-14.9	20	110	0
Benzo(b)fluoranthene	1.317	1.253	-	4.9	20	94	0
Benzo(k)fluoranthene	1.202	1.163	-	3.2	20	88	0
Benzo(a)pyrene	1.149	1.109	-	3.5	20	92	0
IS1_Perylene-d12	1	1	-	0	20	98	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:05	
Lab File ID	: ABN0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.996	-	10.9	20	86	0
Dibenzo(a,h)anthracene	1.068	0.993	-	7	20	91	0
Benzo(ghi)perylene	1.078	0.979	-	9.2	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:27		
Lab File ID	: AP90826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	1.094	0.941	-	14	20	79	0
Acetophenone	1.903	1.584	-	16.8	20	72	0
m-Toluidine	1.828	1.522	-	16.7	20	72	0
2-Chloroaniline	1.742	1.404	-	19.4	20	72	0
IS2_Naphthalene-d8	1	1	-	0	20	88	0
a-Terpineol	0.277	0.26	-	6.1	20	82	0
3-Chloroaniline	0.15	0.133	-	11.3	20	79	0
2,6-Dichlorophenol	0.326	0.273	-	16.3	20	72	0
1-chloro-2-nitrobenzene	0.143	0.128	-	10.5	20	77	0
Caprolactam	5	4.527	-	9.5	20	85	0
1,2,4,5-Tetrachlorobenzene	0.479	0.353	-	26.3*	20	66	0
Biphenyl	1.026	0.774	-	24.6*	20	67	0
IS2_Acenaphthene-d10	1	1	-	0	20	84	0
Dichloran	5	3.809	-	23.8*	20	71	0
Pentachloronitrobenzene	0.235	0.184	-	21.7*	20	68	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.515	0.401	-	22.1*	20	61	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:50	
Lab File ID	: ADP0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-5		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
1,4-Dioxane	0.47	0.476	-	-1.3	20	108	0
n-Decane	1.145	1.34	-	-17	20	120	0
IS3_Acenaphthene-d10	1	1	-	0	20	94	0
Atrazine	0.441	0.403	-	8.6	20	95	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.315	0.395	-	-25.4*	20	124	0
Parathion	5	5.482	-	-9.6	20	117	0
3,3'-Dimethylbenzidine	5	4.621	-	7.6	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
n-Nitrosodimethylamine	0.851	0.943	-	-10.8	20	162	0
Pyridine	1.392	1.432	-	-2.9	20	149	0
2-Fluorophenol	1.156	1.168	-	-1	20	144	0
Aniline	2.049	2.099	-	-2.4	20	150	0
2-Chlorophenol	1.288	1.248	-	3.1	20	145	0
Phenol-d6	1.583	1.673	-	-5.7	20	158	0
Phenol	1.642	1.765	-	-7.5	20	158	0
Bis(2-chloroethyl)ether	1.348	1.337	-	0.8	20	146	0
1,3-Dichlorobenzene	1.546	1.442	-	6.7	20	138	0
1,4-Dichlorobenzene	1.565	1.5	-	4.2	20	143	0
1,2-Dichlorobenzene	1.522	1.439	-	5.5	20	141	0
Benzyl alcohol	1.267	1.465	-	-15.6	20	169	0
Bis(2-chloroisopropyl)ethe	2.166	2.255	-	-4.1	20	156	0
2-Methylphenol	1.183	1.225	-	-3.6	20	151	0
Hexachloroethane	0.623	0.622	-	0.2	20	153	0
n-Nitrosodi-n-propylamine	1.057	1.25	-	-18.3	20	168	0
3-Methylphenol/4-Methylphe	1.279	1.295	-	-1.3	20	149	0
Nitrobenzene-d5	1.619	1.869	-	-15.4	20	172	0
Nitrobenzene	1.643	1.822	-	-10.9	20	167	0
Isophorone	2.76	3.354	-	-21.5*	20	172	0
2-Nitrophenol	0.692	0.724	-	-4.6	20	150	0
2,4-Dimethylphenol	1.301	1.451	-	-11.5	20	163	0
Bis(2-chloroethoxy)methane	1.778	1.832	-	-3	20	152	0
2,4-Dichlorophenol	1.233	1.215	-	1.5	20	142	0
1,2,4-Trichlorobenzene	1.51	1.374	-	9	20	140	0
IS1_Naphthalene-d8	1	1	-	0	20	143	0
Naphthalene	1.147	0.985	-	14.1	20	140	0
Benzoic Acid	5	4.783	-	4.3	20	146	0
4-Chloroaniline	0.169	0.179	-	-5.9	20	163	0
Hexachlorobutadiene	0.303	0.26	-	14.2	20	142	0
p-Chloro-m-cresol	0.343	0.375	-	-9.3	20	167	0
2-Methylnaphthalene	0.764	0.66	-	13.6	20	137	0
1-Methylnaphthalene	0.29	0.297	-	-2.4	20	160	0
Hexachlorocyclopentadiene	0.336	0.312	-	7.1	20	144	0
2,4,6-Trichlorophenol	0.301	0.271	-	10	20	137	0
2,4,5-Trichlorophenol	0.322	0.298	-	7.5	20	138	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	133	0
2-Chloronaphthalene	0.813	0.742	-	8.7	20	144	0
2-Nitroaniline	0.245	0.22	-	10.2	20	135	0
1,4-Dinitrobenzene	0.129	0.128	-	0.8	20	150	0
1,3-Dinitrobenzene	0.147	0.139	-	5.4	20	140	0
Dimethyl phthalate	0.989	0.932	-	5.8	20	145	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.076	-	13.5	20	132	0
2,6-Dinitrotoluene	0.213	0.203	-	4.7	20	141	0
1,2-Dinitrobenzene	0.091	0.087	-	4.4	20	141	0
IS1_Acenaphthene-d10	1	1	-	0	20	149	0
3-Nitroaniline	0.319	0.304	-	4.7	20	142	0
Acenaphthene	1.153	0.995	-	13.7	20	142	0
2,4-Dinitrophenol	0.213	0.209	-	1.9	20	144	0
Dibenzofuran	1.936	1.666	-	13.9	20	142	0
2,4-Dinitrotoluene	0.475	0.421	-	11.4	20	136	0
4-Nitrophenol	0.323	0.376	-	-16.4	20	183	0
2,3,5,6-Tetrachlorophenol	0.452	0.412	-	8.8	20	140	0
2,3,4,6-Tetrachlorophenol	0.435	0.397	-	8.7	20	137	0
Diethyl phthalate	1.529	1.418	-	7.3	20	150	0
Fluorene	1.523	1.255	-	17.6	20	133	0
4-Chlorophenyl phenyl ethe	0.801	0.653	-	18.5	20	138	0
4-Nitroaniline	0.333	0.276	-	17.1	20	133	0
4,6-Dinitro-o-cresol	0.266	0.286	-	-7.5	20	153	0
NDPA/DPA	1.263	1.113	-	11.9	20	139	0
Azobenzene	1.446	1.497	-	-3.5	20	166	0
2,4,6-Tribromophenol	0.249	0.205	-	17.7	20	125	0
4-Bromophenyl phenyl ether	0.5	0.414	-	17.2	20	136	0
Hexachlorobenzene	0.569	0.455	-	20	20	134	0
Pentachlorophenol	0.361	0.324	-	10.2	20	130	0
IS1_Phenanthrene-d10	1	1	-	0	20	143	0
Phenanthrene	1.117	0.963	-	13.8	20	140	0
Anthracene	1.111	0.991	-	10.8	20	139	0
Carbazole	1.018	0.876	-	13.9	20	135	0
Di-n-butylphthalate	1.195	1.181	-	1.2	20	150	0
Fluoranthene	1.366	1.163	-	14.9	20	135	0
Benzidine	0.741	0.772	-	-4.2	20	151	0
Pyrene	1.44	1.226	-	14.9	20	135	0
4-Terphenyl-d14	1.076	0.879	-	18.3	20	131	0
Butyl benzyl phthalate	0.55	0.557	-	-1.3	20	159	0
IS1_Chrysene-d12	1	1	-	0	20	141	0
Benzo(a)anthracene	1.478	1.253	-	15.2	20	135	0
3,3'-Dichlorobenzidine	0.489	0.466	-	4.7	20	135	0
Chrysene	1.429	1.194	-	16.4	20	134	0
Bis(2-ethylhexyl)phthalate	0.817	0.876	-	-7.2	20	155	0
Di-n-octylphthalate	1.352	1.513	-	-11.9	20	165	0
Benzo(b)fluoranthene	1.43	1.174	-	17.9	20	134	0
Benzo(k)fluoranthene	1.356	1.216	-	10.3	20	135	0
Benzo(a)pyrene	1.242	1.107	-	10.9	20	135	0
IS1_Perylene-d12	1	1	-	0	20	141	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 06:53	
Lab File ID	: ABN0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.222	-	-12.9	20	165	0
Dibenzo(a,h)anthracene	1.042	0.986	-	5.4	20	139	0
Benzo(ghi)perylene	0.964	0.956	-	0.8	20	143	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 07:17	
Lab File ID	: AP90827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-4		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
Benzaldehyde	1.187	1.094	-	7.8	20	106	0
Acetophenone	2.158	1.959	-	9.2	20	104	0
m-Toluidine	1.957	1.83	-	6.5	20	107	0
2-Chloroaniline	1.709	1.43	-	16.3	20	96	0
IS2_Naphthalene-d8	1	1	-	0	20	111	0
a-Terpineol	0.4	0.383	-	4.3	20	107	0
3-Chloroaniline	0.201	0.205	-	-2	20	114	0
2,6-Dichlorophenol	0.362	0.312	-	13.8	20	92	0
1-chloro-2-nitrobenzene	0.18	0.176	-	2.2	20	105	0
Caprolactam	0.21	0.21	-	0	20	103	0
1,2,4,5-Tetrachlorobenzene	0.548	0.42	-	23.4*	20	88	0
Biphenyl	1.084	0.842	-	22.3*	20	88	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	0.247	0.181	-	26.7*	20	77	0
Pentachloronitrobenzene	0.27	0.228	-	15.6	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	102	0
Diphenamid	0.561	0.449	-	20	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 07:40	
Lab File ID	: ADP0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-5		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
1,4-Dioxane	0.584	0.63	-	-7.9	20	164	0
n-Decane	1.662	1.875	-	-12.8	20	155	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.509	0.45	-	11.6	20	127	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.498	0.543	-	-9	20	140	0
Parathion	0.124	0.139	-	-12.1	20	147	0
3,3'-Dimethylbenzidine	0.791	0.879	-	-11.1	20	130	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	64	0.00
2	t	n-Nitrosodimethylamine		0.695	0.580	16.5	57	0.00
3	t	Pyridine		1.127	0.839	25.6#	52	0.00
4	S	2-Fluorophenol		1.028	0.984	4.3	63	0.00
5	T	Aniline		1.706	1.501	12.0	60	0.00
6	t	2-Chlorophenol		1.150	1.167	-1.5	66	0.00
7	S	Phenol-d6		1.297	1.206	7.0	64	0.00
8	T	Phenol		1.512	1.308	13.5	58	0.00
9	T	Bis(2-chloroethyl)ether		0.991	0.877	11.5	60	0.00
10	T	1,3-Dichlorobenzene		1.480	1.480	0.0	66	0.00
11	T	1,4-Dichlorobenzene		1.533	1.490	2.8	66	0.00
12	T	1,2-Dichlorobenzene		1.454	1.477	-1.6	69	0.00
13	t	Benzyl alcohol		0.973	0.860	11.6	57	0.00
14	T	Bis(2-chloroisopropyl)ether		1.478	0.735	50.3#	34#	0.00
15	T	2-Methylphenol		1.039	1.023	1.5	65	0.00
16	T	Hexachloroethane		0.544	0.470	13.6	59	0.00
17	T	n-Nitrosodi-n-propylamine		0.912	0.720	21.1#	54	0.00
18	T	3-Methylphenol/4-Methylphen		1.095	1.108	-1.2	68	0.00
19	S	Nitrobenzene-d5		1.354	1.136	16.1	58	0.00
20	T	Nitrobenzene		1.298	1.047	19.3	55	0.00
21	T	Isophorone		2.275	1.951	14.2	56	0.00
22	T	2-Nitrophenol		0.644	0.705	-9.5	75	0.00
23	T	2,4-Dimethylphenol		1.097	1.107	-0.9	68	0.00
24	T	Bis(2-chloroethoxy)methane		1.398	1.113	20.4#	53	0.00
25	T	2,4-Dichlorophenol		1.237	1.298	-4.9	68	0.00
26	T	1,2,4-Trichlorobenzene		1.544	1.487	3.7	66	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	67	0.00
36	T	Naphthalene		1.042	0.971	6.8	69	0.00
37	T	Benzoic Acid	*	5.000	5.038	-0.8	79	0.00
38	T	4-Chloroaniline		0.127	0.099	22.0#	55	0.00
39	T	Hexachlorobutadiene		0.250	0.223	10.8	65	0.00
40	T	p-Chloro-m-cresol		0.291	0.265	8.9	64	0.00
41	T	2-Methylnaphthalene		0.749	0.714	4.7	69	0.00
42	T	1-Methylnaphthalene		0.245	0.220	10.2	66	0.00
43	T	Hexachlorocyclopentadiene		0.290	0.287	1.0	72	0.00
44	T	2,4,6-Trichlorophenol		0.296	0.294	0.7	72	0.00
45	T	2,4,5-Trichlorophenol		0.316	0.303	4.1	67	0.00
46	S	2-Fluorobiphenyl		1.003	0.950	5.3	68	0.00

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.830	0.798	3.9	69	0.00
48	T	2-Nitroaniline		0.221	0.236	-6.8	76	0.00
49	T	1,4-Dinitrobenzene		0.117	0.125	-6.8	76	0.00
50	T	1,3-Dinitrobenzene		0.127	0.139	-9.4	73	0.00
51	T	Dimethyl phthalate		1.032	0.974	5.6	69	0.00
52	T	Acenaphthylene		1.240	1.242	-0.2	70	0.00
53	T	2,6-Dinitrotoluene		0.204	0.209	-2.5	73	0.00
54	T	1,2-Dinitrobenzene		0.074	0.086	-16.2	74	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	71	0.00
64	T	3-Nitroaniline		0.297	0.296	0.3	75	0.00
65	T	Acenaphthene		1.081	1.003	7.2	71	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.350	-7.0	85	0.00
67	T	Dibenzofuran		1.903	1.692	11.1	69	0.00
68	T	2,4-Dinitrotoluene		0.404	0.420	-4.0	75	0.00
69	T	4-Nitrophenol		0.249	0.211	15.3	63	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.428	0.411	4.0	74	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.401	0.392	2.2	70	0.00
72	T	Diethyl phthalate		1.543	1.322	14.3	66	0.00
73	T	Fluorene		1.448	1.329	8.2	70	0.00
74	T	4-Chlorophenyl phenyl ether		0.738	0.669	9.3	69	0.00
75	T	4-Nitroaniline		0.292	0.319	-9.2	79	0.00
76	T	4,6-Dinitro-o-cresol		0.255	0.284	-11.4	78	0.00
77	T	NDPA/DPA		1.243	1.171	5.8	72	0.00
78	T	Azobenzene		1.252	0.999	20.2#	61	0.00
79	S	2,4,6-Tribromophenol		0.261	0.287	-10.0	79	0.00
80	T	4-Bromophenyl phenyl ether		0.491	0.448	8.8	73	0.00
81	T	Hexachlorobenzene		0.609	0.569	6.6	74	0.00
82	T	Pentachlorophenol		0.369	0.383	-3.8	78	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	76	0.00
89	T	Phenanthrene		1.081	0.925	14.4	71	0.00
90	T	Anthracene		1.043	0.934	10.5	72	0.00
91	T	Carbazole		0.988	0.908	8.1	74	0.00
92	T	Di-n-butylphthalate		1.134	1.042	8.1	72	0.00
93	T	Fluoranthene		1.317	1.193	9.4	74	0.00
94	T	Benzidine		0.734	0.751	-2.3	78	0.00
95	T	Pyrene		1.356	1.248	8.0	74	0.00
96	S	4-Terphenyl-d14		1.040	0.943	9.3	74	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.510	0.487	4.5	73	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	81	0.00
105	T	Benzo(a)anthracene	1.334	1.181	11.5	78	0.00
106	T	3,3'-Dichlorobenzidine	0.495	0.482	2.6	81	0.00
107	T	Chrysene	1.266	1.109	12.4	77	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.750	0.669	10.8	72	0.00
109	T	Di-n-octylphthalate	1.251	1.176	6.0	76	0.00
110	T	Benzo(b)fluoranthene	1.424	1.340	5.9	82	0.00
111	T	Benzo(k)fluoranthene	1.355	1.227	9.4	80	0.00
112	T	Benzo(a)pyrene	1.262	1.206	4.4	81	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	86	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.235	1.099	11.0	83	0.00
115	T	Dibenzo(a,h)anthracene	1.149	1.037	9.7	82	0.00
116	T	Benzo(ghi)perylene	1.129	1.037	8.1	86	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.095	152	18365	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	5.339	136	70878	4.000	ug/ml		0.00
63) IS1_Acenaphthene-d10	7.026	164	50962	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	8.431	188	124226	4.000	ug/ml	#	0.00
104) IS1_Chrysene-d12	10.980	240	140160	4.000	ug/ml	#	0.00
113) IS1_Perylene-d12	12.382	264	176971	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	2.784	112	22589	4.787	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 239.35%#				
7) Phenol-d6	3.803	99	27675M3	4.647	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 232.35%#				
19) Nitrobenzene-d5	4.652	82	26086	4.196	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 419.60%#				
46) 2-Fluorobiphenyl	6.414	172	84189	4.739	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 473.90%#				
79) 2,4,6-Tribromophenol	7.782	330	18283	5.489	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 274.45%#				
96) 4-Terphenyl-d14	10.001	244	146359	4.531	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 453.10%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	1.407	74	13322	4.176	ug/ml	#	71
3) Pyridine	1.453	79	19251	3.722	ug/ml	#	30
5) Aniline	3.778	93	34448	4.398	ug/ml		92
6) 2-Chlorophenol	3.887	128	26780	5.071	ug/ml	#	80
8) Phenol	3.813	94	30037	4.328	ug/ml		96
9) Bis(2-chloroethyl)ether	3.875	93	20124	4.422	ug/ml		93
10) 1,3-Dichlorobenzene	4.036	146	33976M3	5.000	ug/ml		
11) 1,4-Dichlorobenzene	4.111	146	34203M3	4.861	ug/ml		
12) 1,2-Dichlorobenzene	4.260	146	33911	5.079	ug/ml	#	92
13) Benzyl alcohol	4.273	79	19745	4.420	ug/ml		95
14) Bis(2-chloroisopropyl)...	4.416	45	16883	2.488	ug/ml	#	1
15) 2-Methylphenol	4.412	108	23491	4.926	ug/ml		98
16) Hexachloroethane	4.586	117	10796	4.321	ug/ml	#	31
17) n-Nitrosodi-n-propylamine	4.546	70	16531	3.947	ug/ml		94
18) 3-Methylphenol/4-Methy...	4.574	108	25431	5.057	ug/ml		98
20) Nitrobenzene	4.670	77	24036	4.033	ug/ml		94
21) Isophorone	4.919	82	44786	4.288	ug/ml		97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
22) 2-Nitrophenol	4.987	139	16187	5.476	ug/ml#	82
23) 2,4-Dimethylphenol	5.087	107	25404	5.045	ug/ml	99
24) Bis(2-chloroethoxy)met...	5.171	93	25539	3.978	ug/ml	95
25) 2,4-Dichlorophenol	5.230	162	29786	5.243	ug/ml#	87
26) 1,2,4-Trichlorobenzene	5.298	180	34142	4.817	ug/ml#	95
36) Naphthalene	5.357	128	86026	4.660	ug/ml	98
37) Benzoic Acid	5.174	105	20868	5.038	ug/ml	90
38) 4-Chloroaniline	5.444	65	8810	3.917	ug/ml#	45
39) Hexachlorobutadiene	5.519	225	19743	4.451	ug/ml	97
40) p-Chloro-m-cresol	5.954	107	23482	4.556	ug/ml#	82
41) 2-Methylnaphthalene	6.038	142	63291M3	4.768	ug/ml	
42) 1-Methylnaphthalene	6.128	115	19491	4.481	ug/ml	88
43) Hexachlorocyclopentadiene	6.212	237	25453	4.952	ug/ml	98
44) 2,4,6-Trichlorophenol	6.330	196	26009M3	4.958	ug/ml	
45) 2,4,5-Trichlorophenol	6.358	196	26839	4.787	ug/ml	98
47) 2-Chloronaphthalene	6.495	162	70714	4.805	ug/ml#	91
48) 2-Nitroaniline	6.616	138	20891	5.327	ug/ml#	67
49) 1,4-Dinitrobenzene	6.750	168	11081M3	5.324	ug/ml	
50) 1,3-Dinitrobenzene	6.827	168	12301M3	5.480	ug/ml	
51) Dimethyl phthalate	6.830	163	86276	4.716	ug/ml#	97
52) Acenaphthylene	6.883	152	110026	5.009	ug/ml	97
53) 2,6-Dinitrotoluene	6.865	165	18508	5.124	ug/ml#	70
54) 1,2-Dinitrobenzene	6.902	168	7618	5.797	ug/ml	98
64) 3-Nitroaniline	7.014	138	18867	4.989	ug/ml	82
65) Acenaphthene	7.054	154	63888	4.639	ug/ml	89
66) 2,4-Dinitrophenol	7.113	184	14696	5.350	ug/ml#	75
67) Dibenzofuran	7.222	168	107797M3	4.446	ug/ml	
68) 2,4-Dinitrotoluene	7.244	165	26772	5.199	ug/ml#	73
69) 4-Nitrophenol	7.219	65	13443M6	4.244	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	7.322	232	26167M3	4.804	ug/ml	
71) 2,3,4,6-Tetrachlorophenol	7.362	232	24964	4.889	ug/ml	97
72) Diethyl phthalate	7.514	149	84217	4.285	ug/ml	99
73) Fluorene	7.548	166	84663	4.588	ug/ml	92
74) 4-Chlorophenyl phenyl ...	7.583	204	42645	4.538	ug/ml#	82
75) 4-Nitroaniline	7.589	138	20307	5.452	ug/ml#	66
76) 4,6-Dinitro-o-cresol	7.629	198	18111	5.575	ug/ml#	47
77) NDPA/DPA	7.698	169	74584	4.709	ug/ml	92
78) Azobenzene	7.726	77	63611	3.987	ug/ml	95
80) 4-Bromophenyl phenyl e...	8.043	248	28558	4.568	ug/ml#	77
81) Hexachlorobenzene	8.080	284	36266	4.671	ug/ml#	76
82) Pentachlorophenol	8.276	266	24429	5.199	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
ALS Vial : 96 Sample Multiplier: 1

Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Phenanthrene	8.453	178	143599M3	4.276	ug/ml	
90)	Anthracene	8.503	178	144965	4.476	ug/ml	98
91)	Carbazole	8.680	167	141066	4.597	ug/ml	98
92)	Di-n-butylphthalate	9.093	149	161841	4.594	ug/ml#	98
93)	Fluoranthene	9.587	202	185328	4.532	ug/ml#	88
94)	Benzidine	9.758	184	116642	5.120	ug/ml#	92
95)	Pyrene	9.796	202	193759	4.602	ug/ml	99
97)	Butyl benzyl phthalate	10.520	149	75659	4.780	ug/ml#	79
105)	Benzo(a)anthracene	10.974	228	206841M3	4.425	ug/ml	
106)	3,3'-Dichlorobenzidine	10.989	252	84395M2	4.865	ug/ml	
107)	Chrysene	11.005	228	194257	4.378	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.145	149	117185	4.457	ug/ml#	90
109)	Di-n-octylphthalate	11.794	149	206093M2	4.702	ug/ml	
110)	Benzo(b)fluoranthene	12.027	252	234774M3	4.704	ug/ml	
111)	Benzo(k)fluoranthene	12.055	252	215032	4.530	ug/ml#	91
112)	Benzo(a)pyrene	12.329	252	211261M2	4.779	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	13.311	276	243034M3	4.449	ug/mL	
115)	Dibenzo(a,h)anthracene	13.339	278	229501M2	4.514	ug/ml	
116)	Benzo(ghi)perylene	13.519	276	229400	4.593	ug/ml#	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ABN0825.D
Acq On : 25 Aug 2024 8:51 pm
Operator : Dakota:mrg
Sample : WG1963655-3,32,,ABN 10908 mrg0825A
Misc : WG1963655,,ical21225
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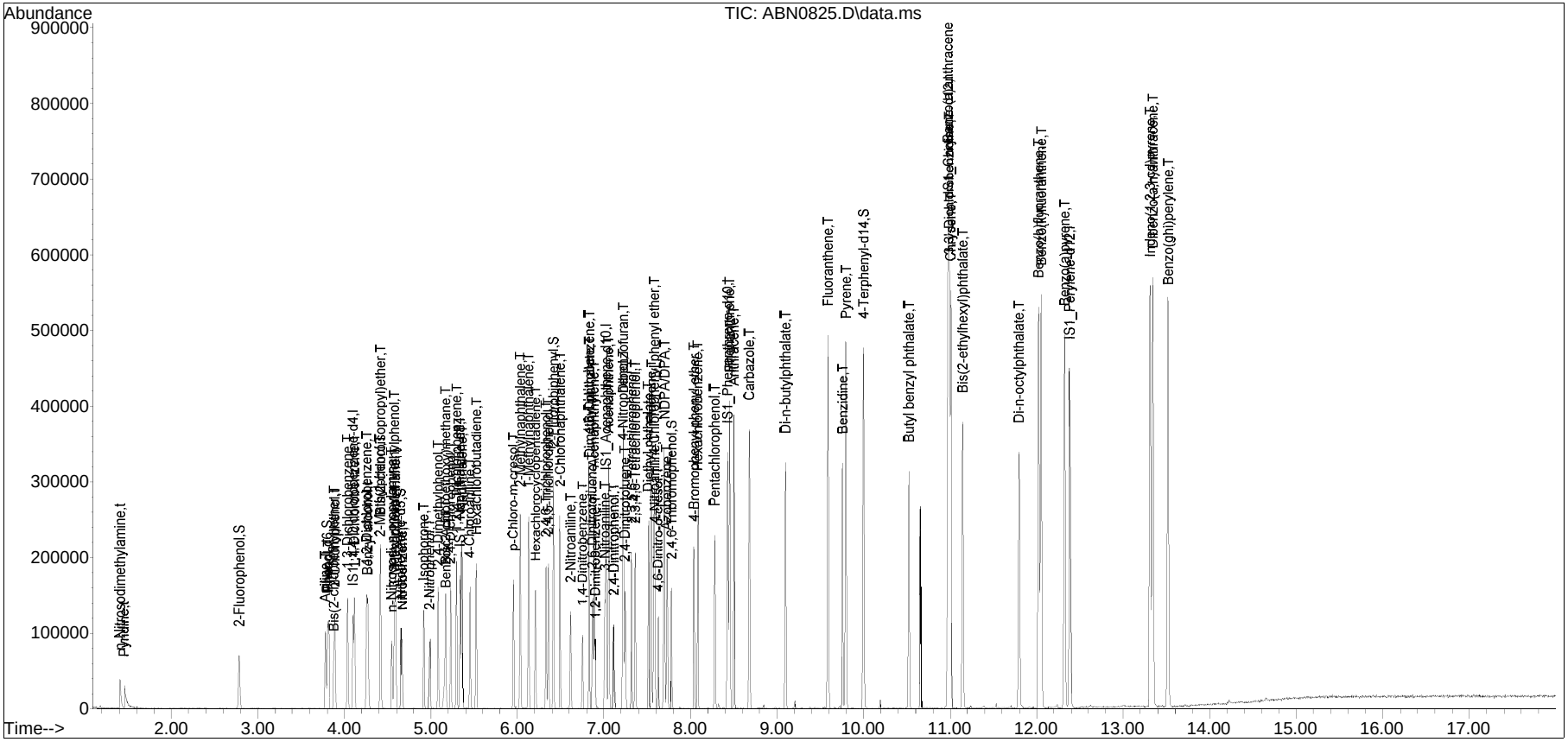
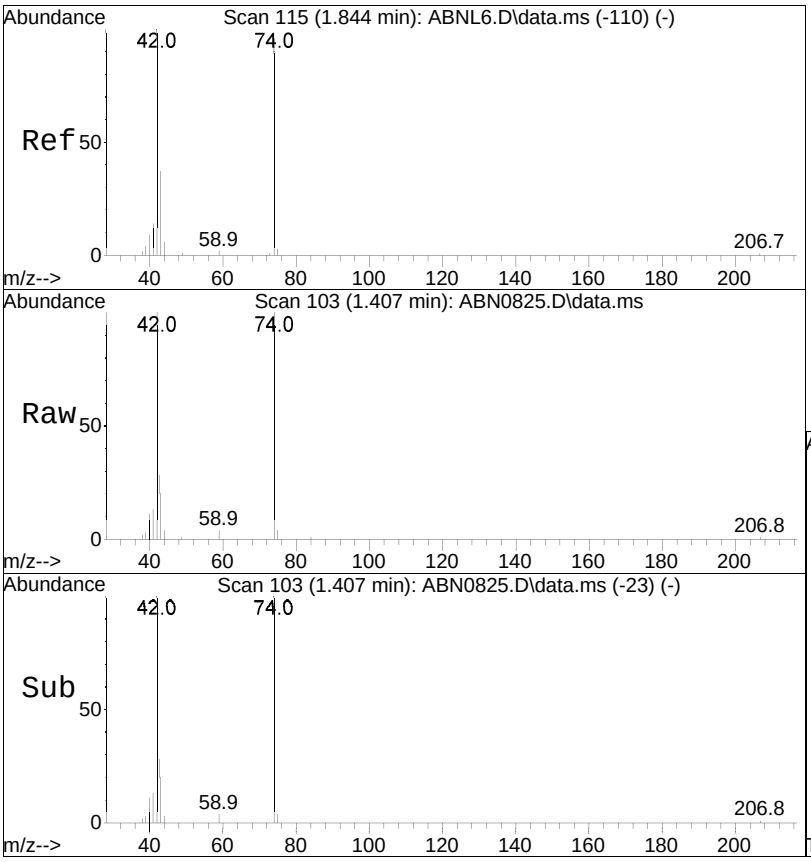
Quant Time: Aug 25 22:19:01 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

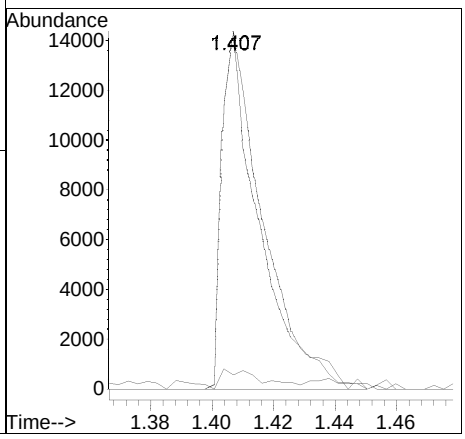


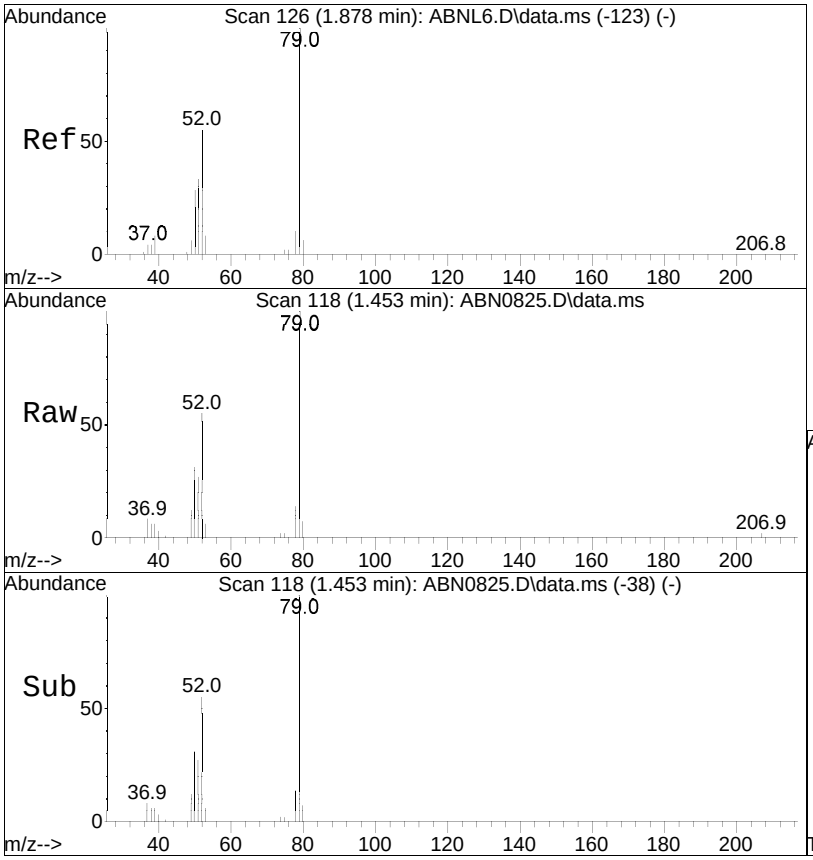


#2
n-Nitrosodimethylamine
Concen: 4.18 ug/ml
RT: 1.407 min Scan# 103
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 74 Resp: 13322

Ion	Ratio	Lower	Upper
74	100		
42	90.5	100.0	150.0#
44	5.6	6.7	10.1#

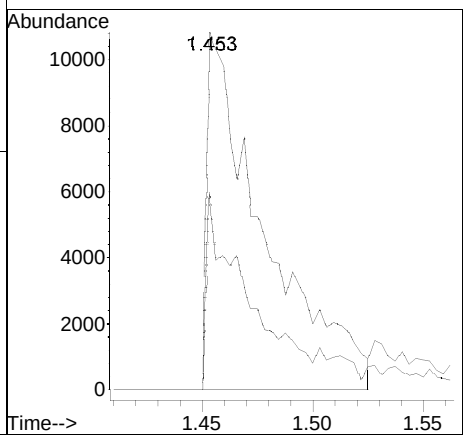


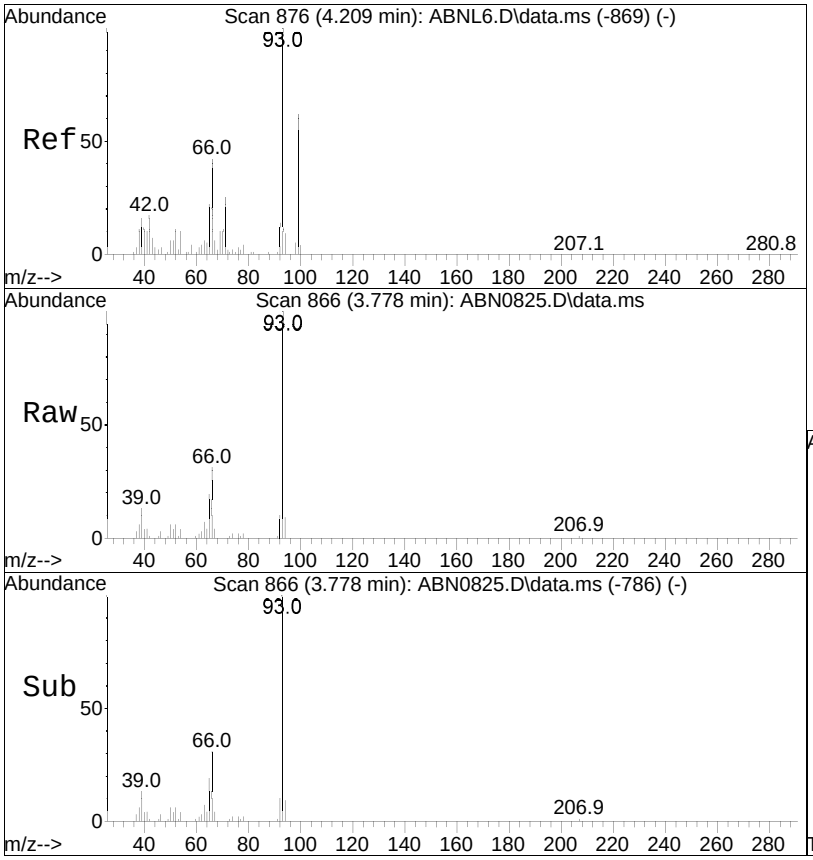


#3
Pyridine
Concen: 3.72 ug/ml
RT: 1.453 min Scan# 118
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 79 Resp: 19251

Ion	Ratio	Lower	Upper
79	100		
52	40.0	93.1	139.7#

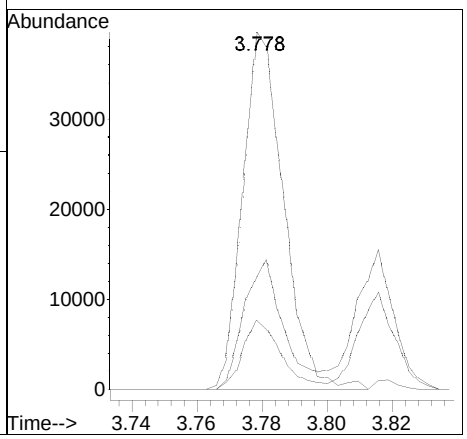


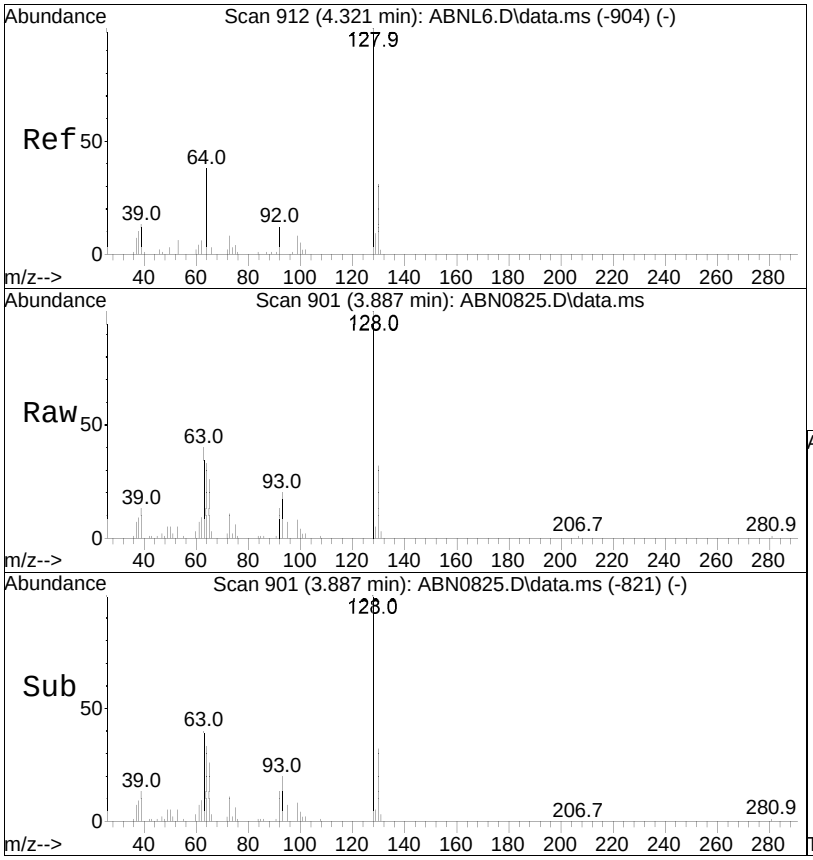


#5
Aniline
Concen: 4.40 ug/ml
RT: 3.778 min Scan# 866
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 93 Resp: 34448

Ion	Ratio	Lower	Upper
93	100		
66	35.3	32.6	49.0
65	18.6	17.6	26.4

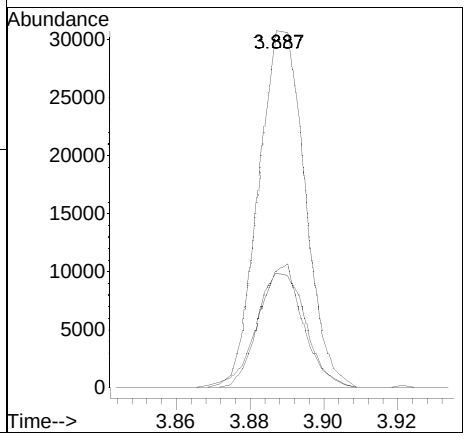


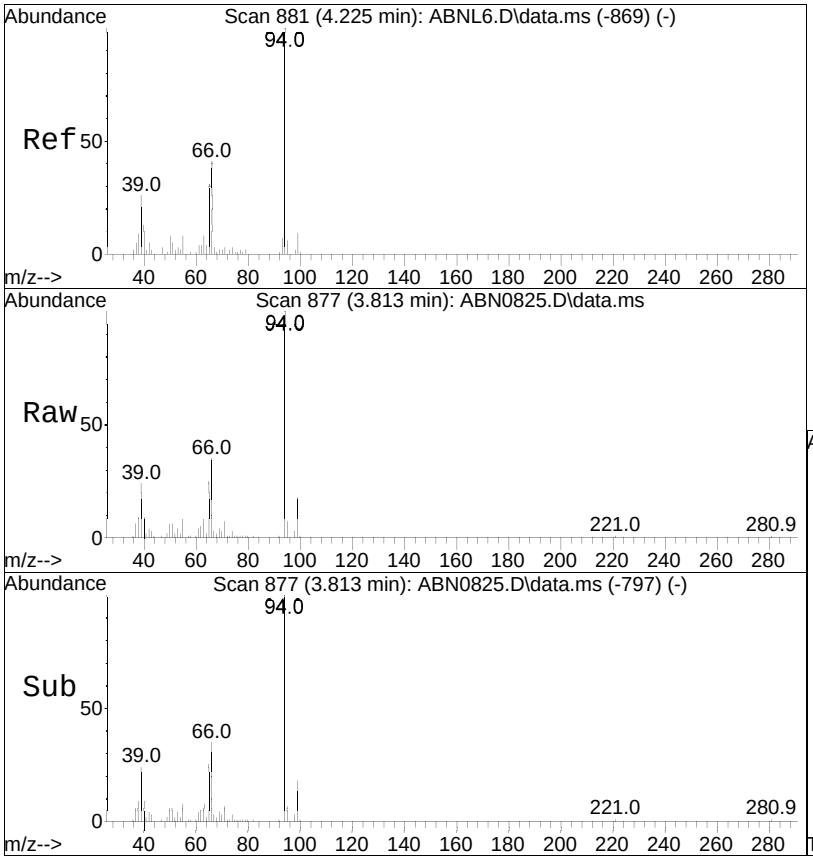


#6
2-Chlorophenol
Concen: 5.07 ug/ml
RT: 3.887 min Scan# 901
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:128 Resp: 26780

Ion	Ratio	Lower	Upper
128	100		
64	33.8	45.1	67.7#
130	33.3	26.2	39.4

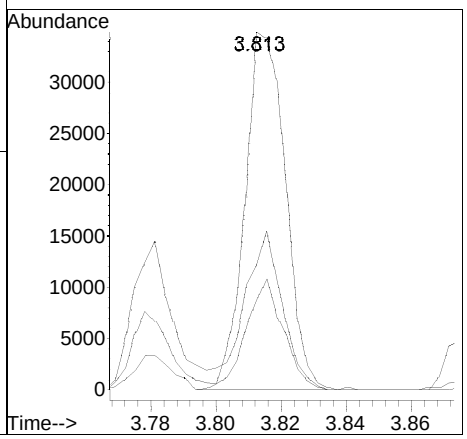


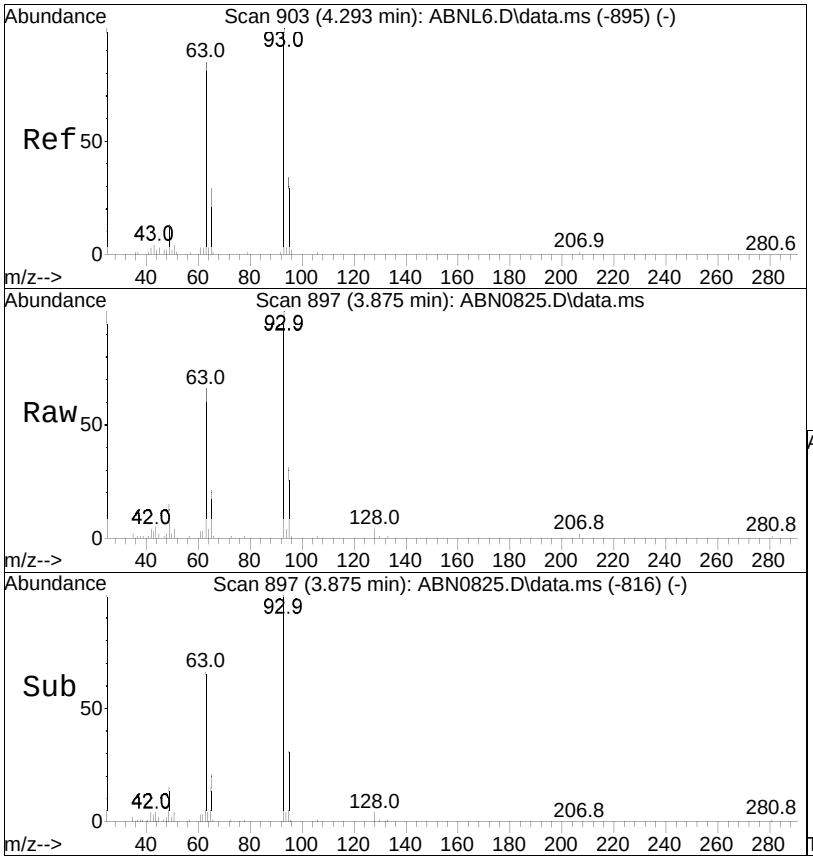


#8
Phenol
Concen: 4.33 ug/ml
RT: 3.813 min Scan# 877
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 94 Resp: 30037

Ion	Ratio	Lower	Upper
94	100		
65	28.2	26.0	39.0
66	42.5	33.8	50.8

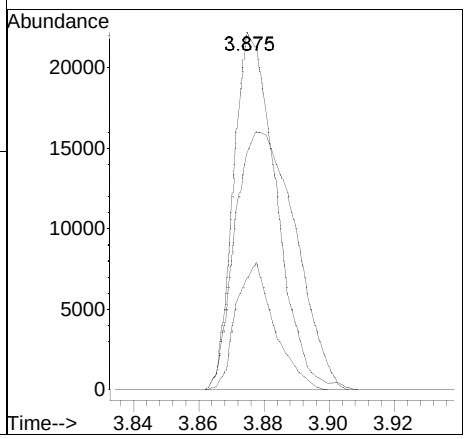


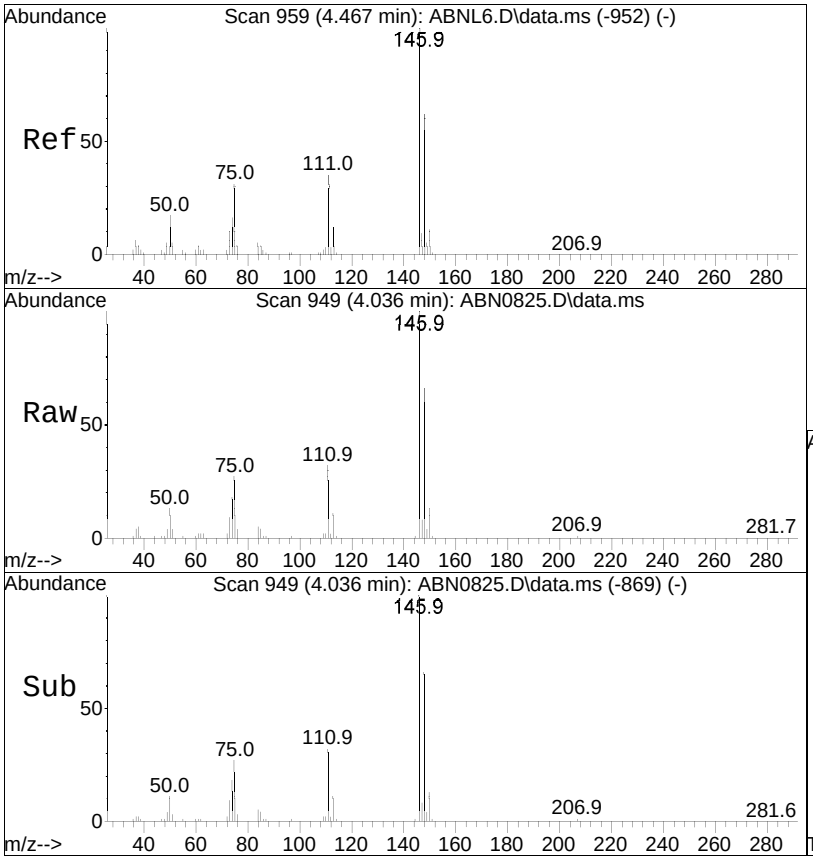


#9
Bis(2-chloroethyl)ether
Concen: 4.42 ug/ml
RT: 3.875 min Scan# 897
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 93 Resp: 20124

Ion	Ratio	Lower	Upper
93	100		
63	102.0	74.6	111.8
95	32.2	25.9	38.9

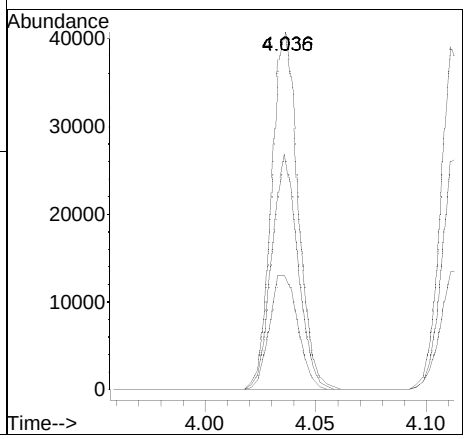


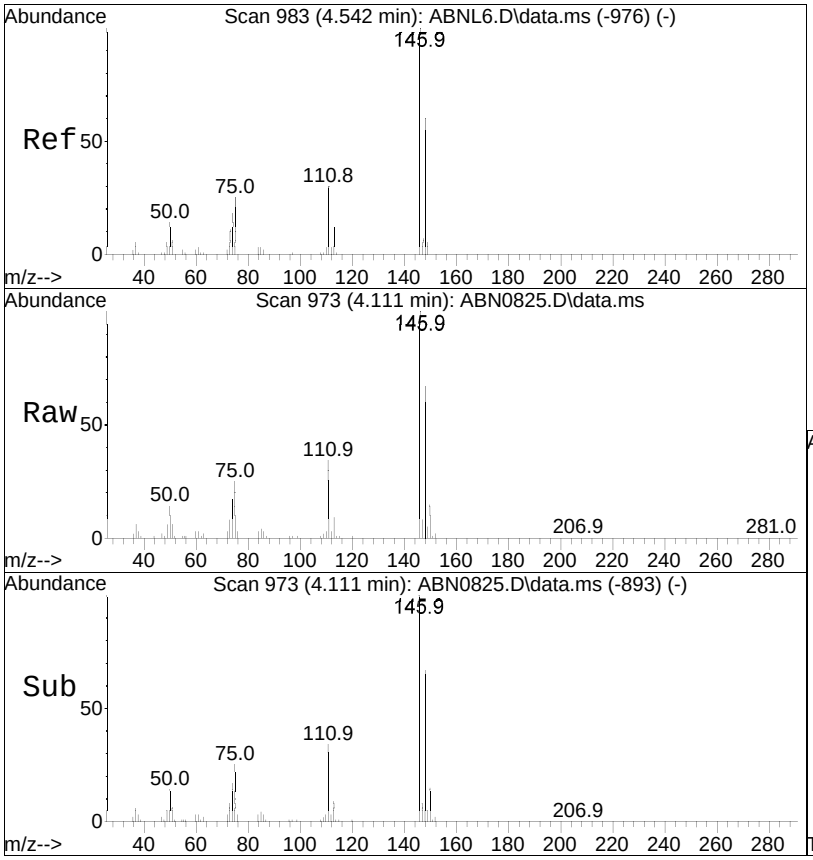


#10
1,3-Dichlorobenzene
Concen: 5.00 ug/ml M3
RT: 4.036 min Scan# 949
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:146 Resp: 33976

Ion	Ratio	Lower	Upper
146	100		
111	34.3	34.3	51.5#
148	65.2	50.8	76.2

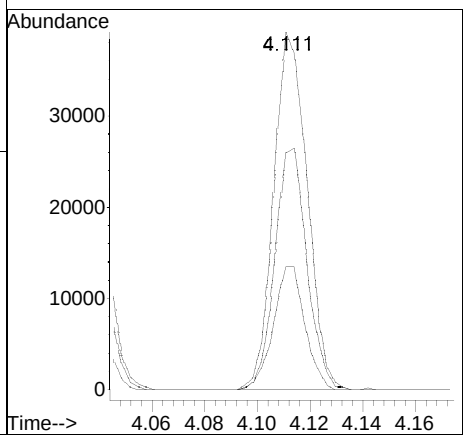


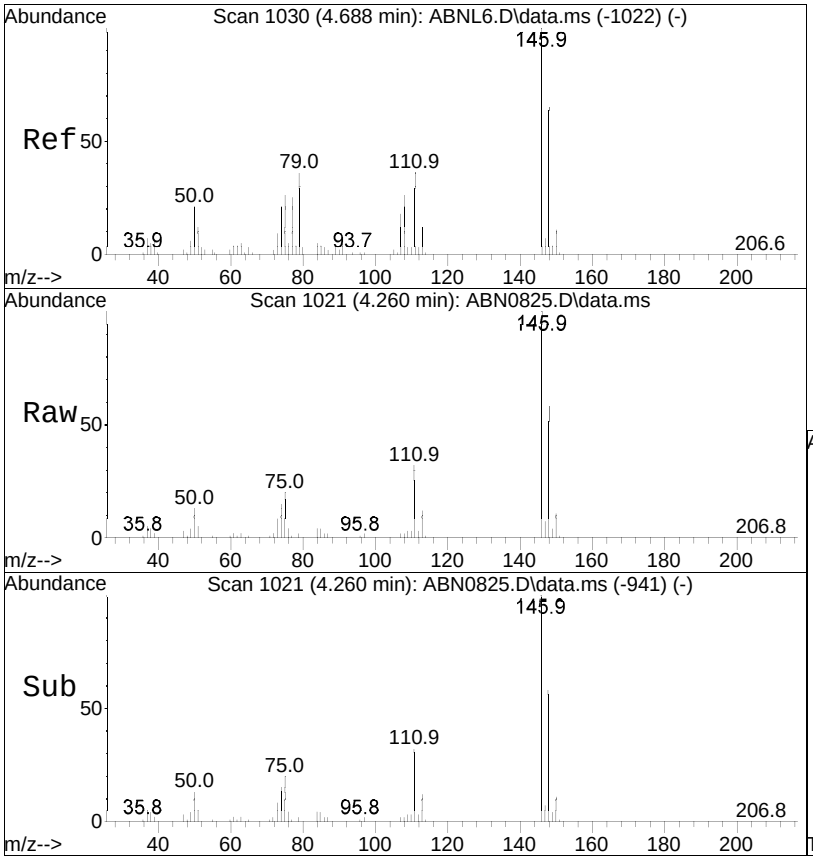


#11
1,4-Dichlorobenzene
Concen: 4.86 ug/ml M3
RT: 4.111 min Scan# 973
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:146 Resp: 34203

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.7	76.1
111	34.1	33.4	50.0

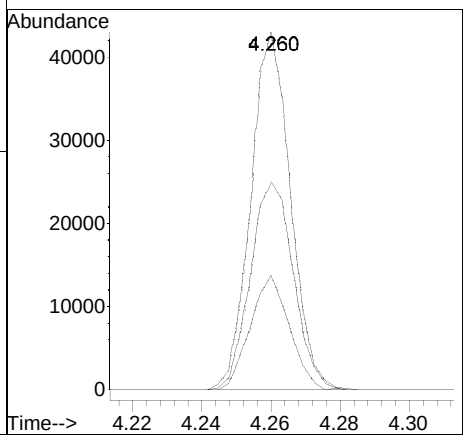


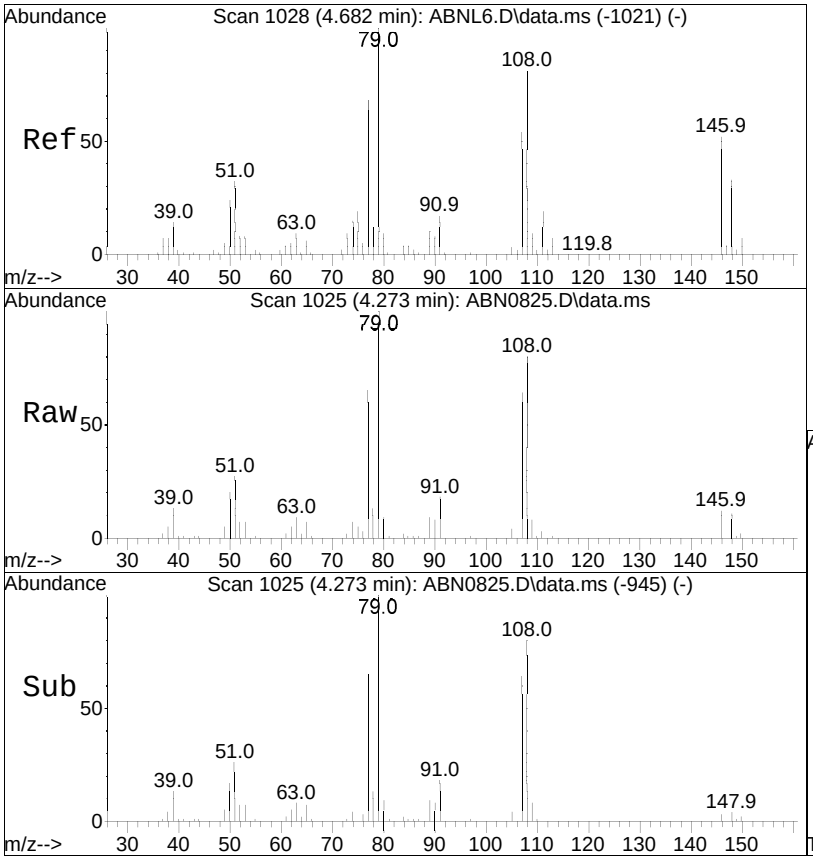


#12
1,2-Dichlorobenzene
Concen: 5.08 ug/ml
RT: 4.260 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:146 Resp: 33911

Ion	Ratio	Lower	Upper
146	100		
111	31.7	34.6	52.0#
148	63.0	50.2	75.4

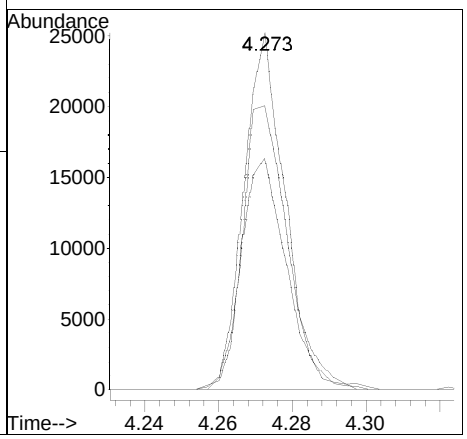


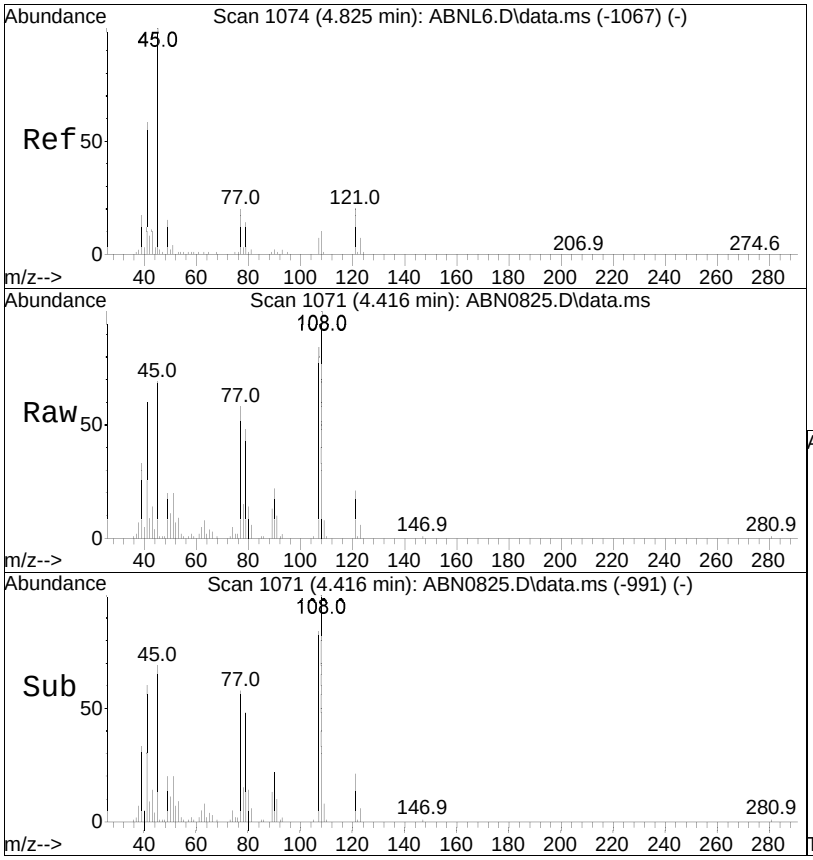


#13
Benzyl alcohol
Concen: 4.42 ug/ml
RT: 4.273 min Scan# 1025
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 79 Resp: 19745

Ion	Ratio	Lower	Upper
79	100		
77	70.6	54.9	82.3
108	85.1	63.1	94.7

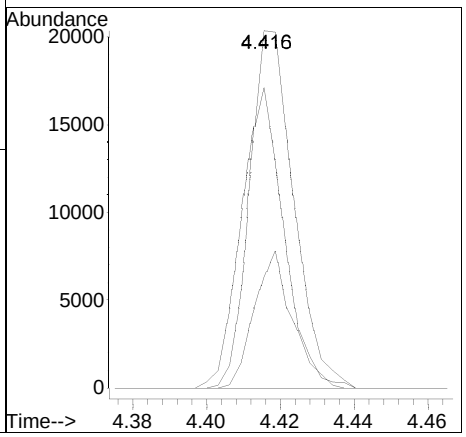


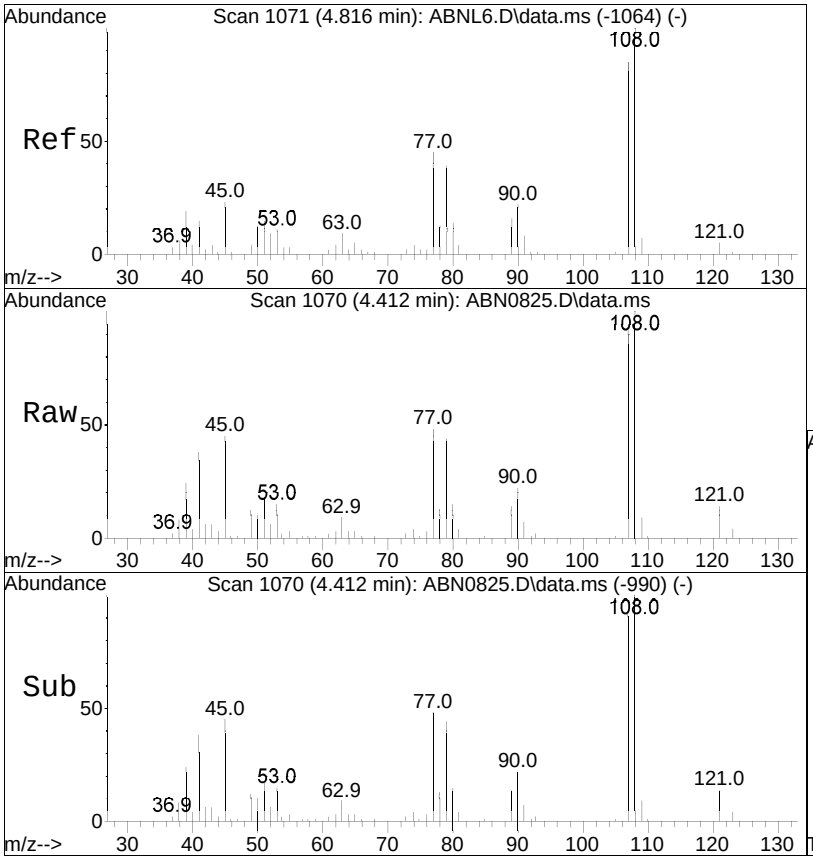


#14
Bis(2-chloroisopropyl)ether
Concen: 2.49 ug/ml
RT: 4.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 45 Resp: 16883

Ion	Ratio	Lower	Upper
45	100		
121	33.0	9.8	14.6#
77	81.2	6.1	9.1#

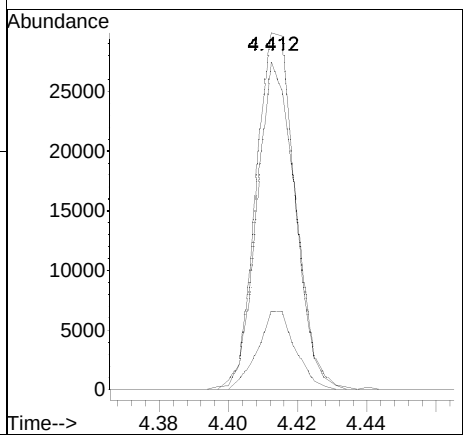


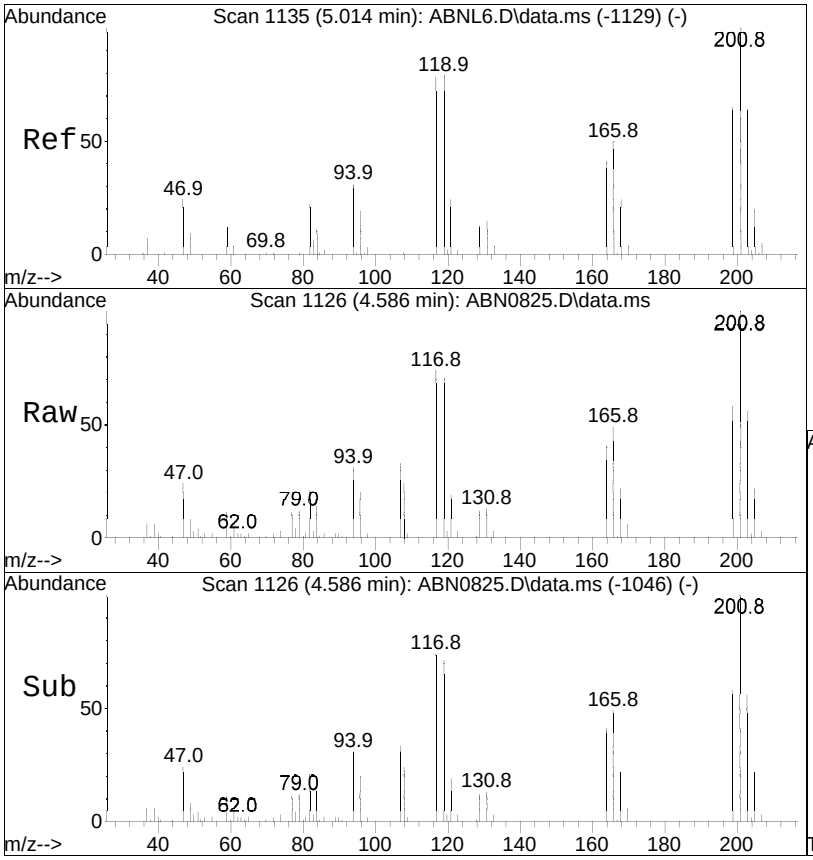


#15
2-Methylphenol
Concen: 4.93 ug/ml
RT: 4.412 min Scan# 1070
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:108 Resp: 23491

Ion	Ratio	Lower	Upper
108	100		
107	89.1	70.7	106.1
90	21.2	18.7	28.1

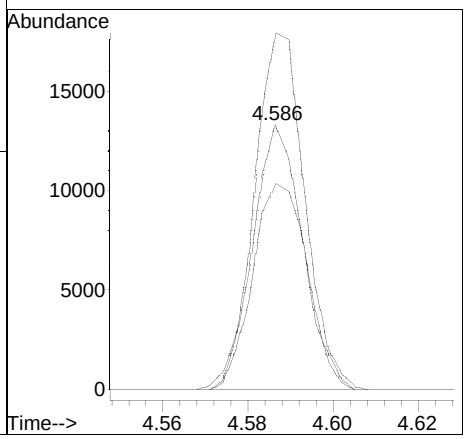


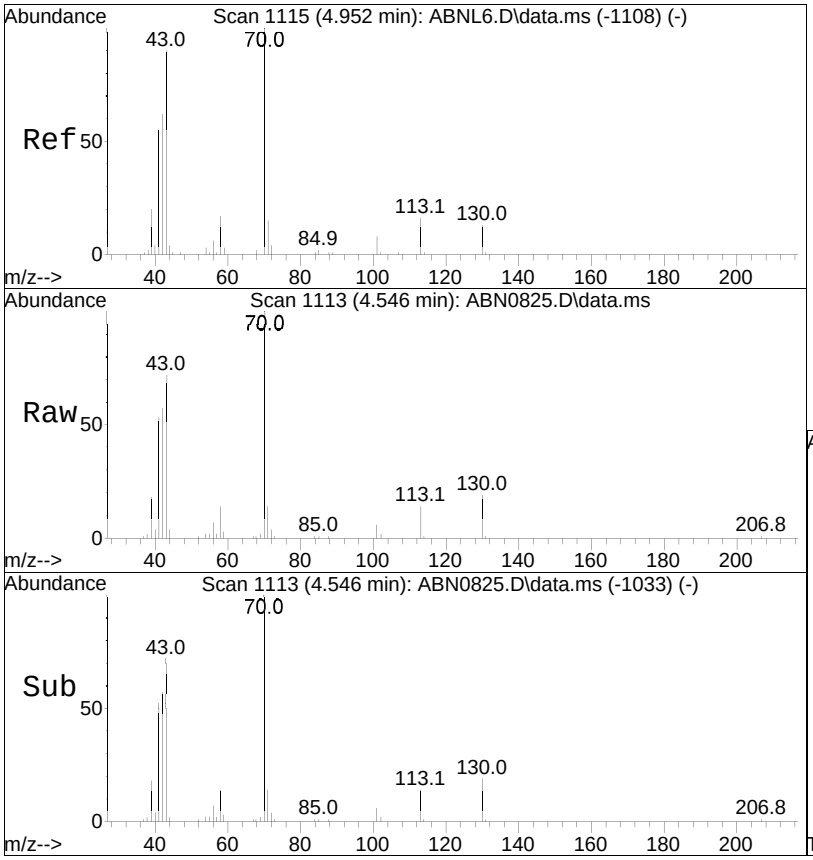


#16
Hexachloroethane
Concen: 4.32 ug/ml
RT: 4.586 min Scan# 1126
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:117 Resp: 10796

Ion	Ratio	Lower	Upper
117	100		
201	136.8	58.6	87.8#
199	85.7	36.9	55.3#

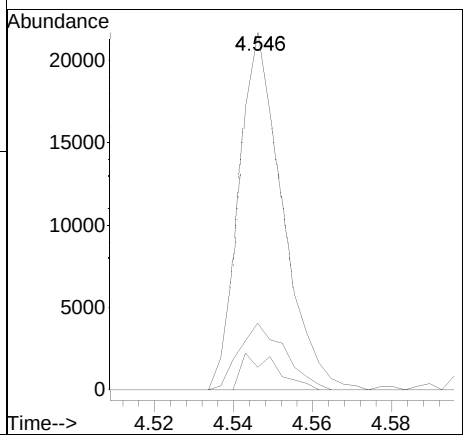


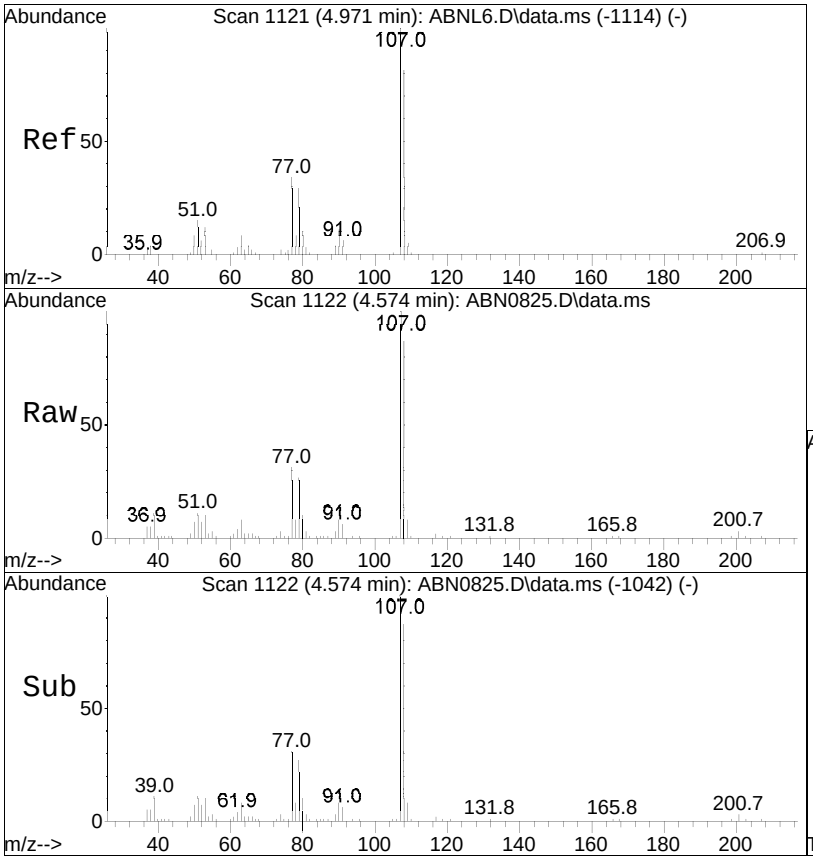


#17
n-Nitrosodi-n-propylamine
Concen: 3.95 ug/ml
RT: 4.546 min Scan# 1113
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 70 Resp: 16531

Ion	Ratio	Lower	Upper
70	100		
130	19.6	18.2	27.4
101	8.3	7.8	11.8

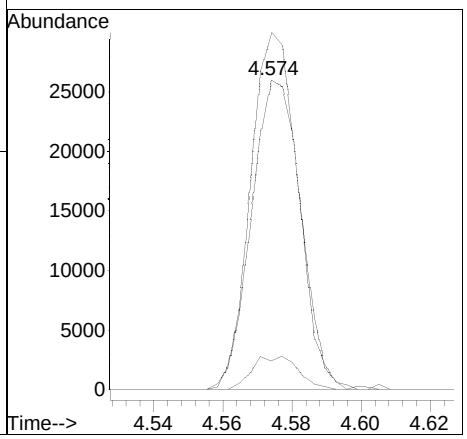


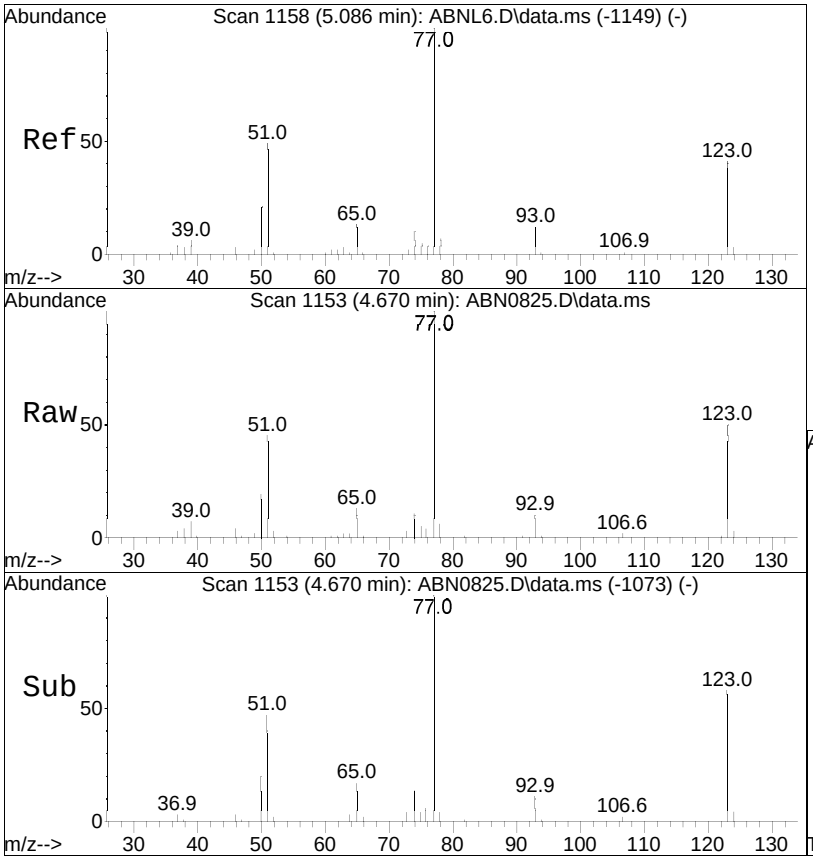


#18
3-Methylphenol/4-Methylphenol
Concen: 5.06 ug/ml
RT: 4.574 min Scan# 1122
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:108 Resp: 25431

Ion	Ratio	Lower	Upper
108	100		
107	113.2	88.6	132.8
90	10.1	8.8	13.2

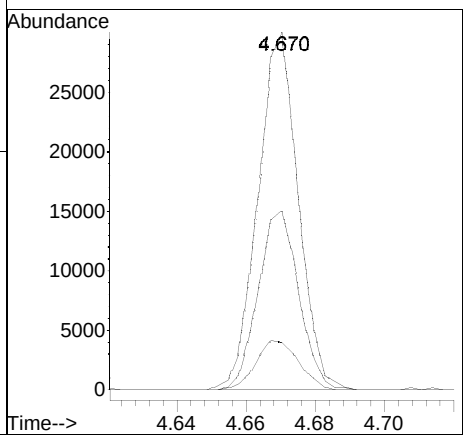


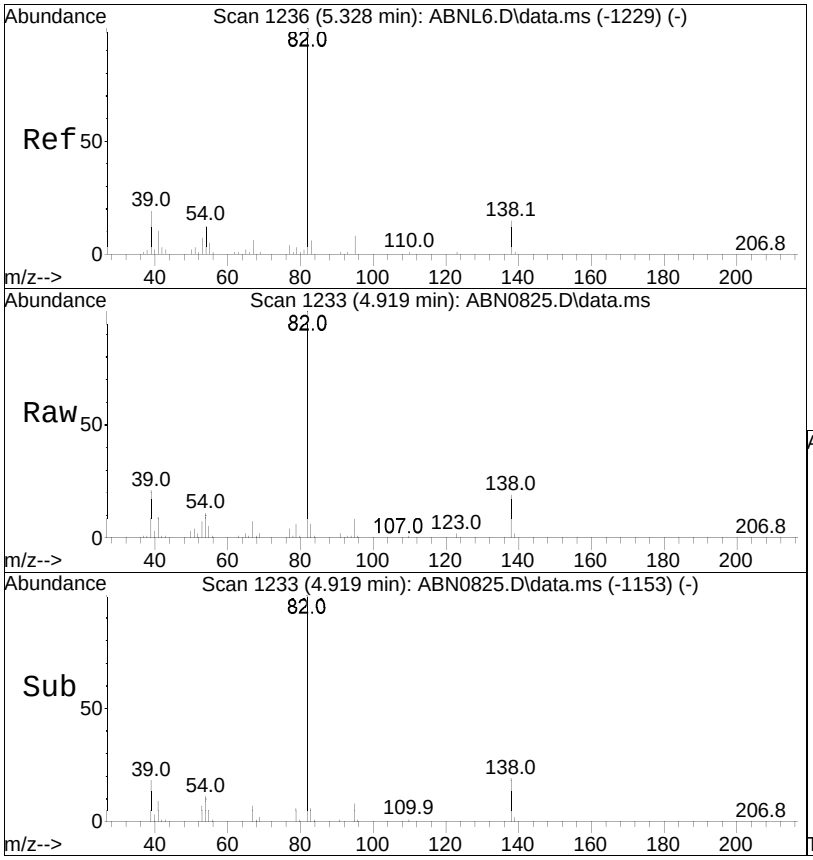


#20
Nitrobenzene
Concen: 4.03 ug/ml
RT: 4.670 min Scan# 1153
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 77 Resp: 24036

Ion	Ratio	Lower	Upper
77	100		
123	50.6	36.3	54.5
65	14.9	11.6	17.4

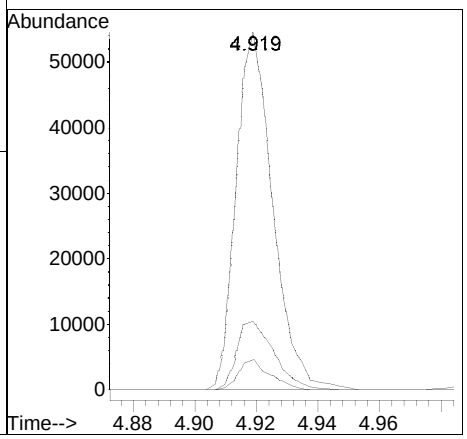


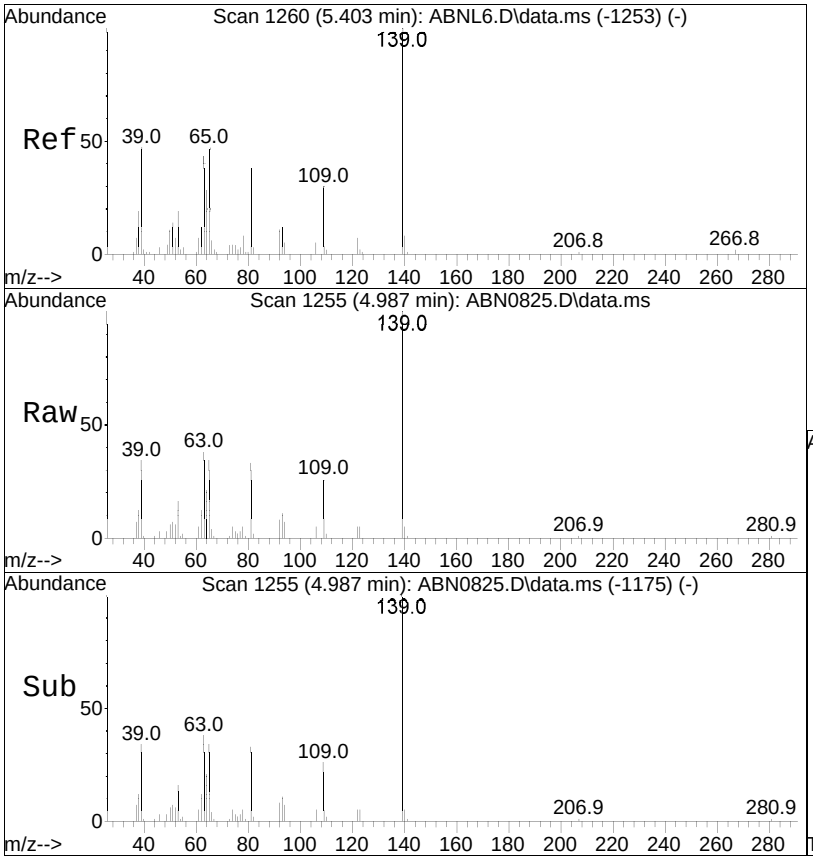


#21
Isophorone
Concen: 4.29 ug/ml
RT: 4.919 min Scan# 1233
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 82 Resp: 44786

Ion	Ratio	Lower	Upper
82	100		
138	19.7	14.7	22.1
95	7.3	5.2	7.8

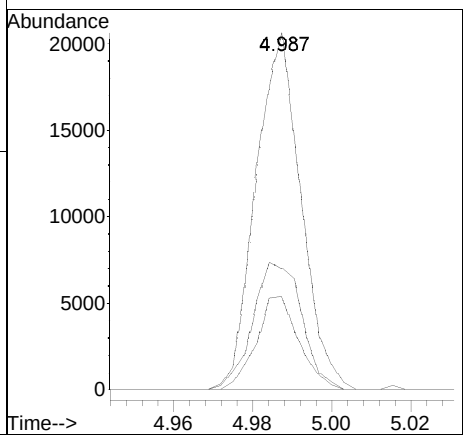


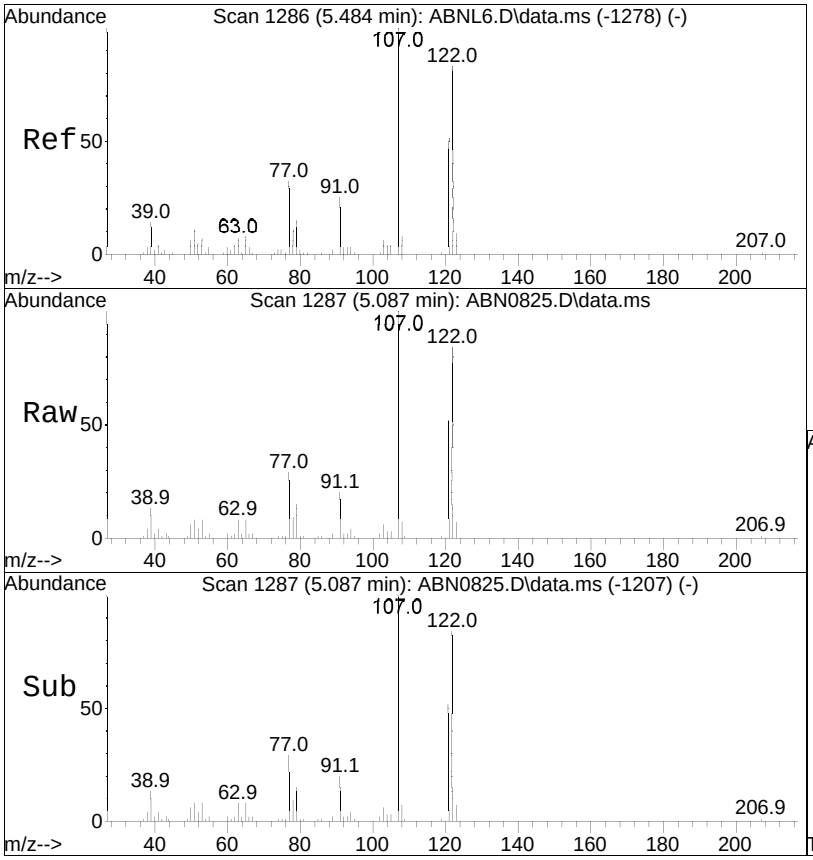


#22
2-Nitrophenol
Concen: 5.48 ug/ml
RT: 4.987 min Scan# 1255
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:139 Resp: 16187

Ion	Ratio	Lower	Upper
139	100		
109	25.0	19.4	29.0
65	38.9	46.1	69.1#

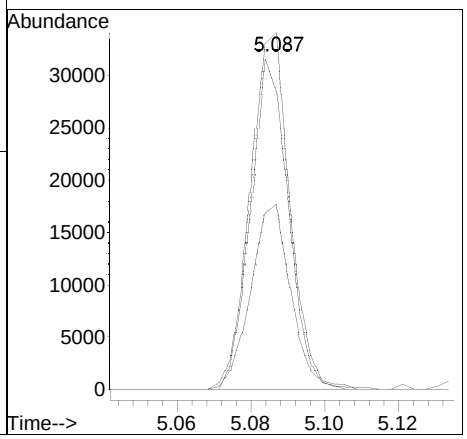


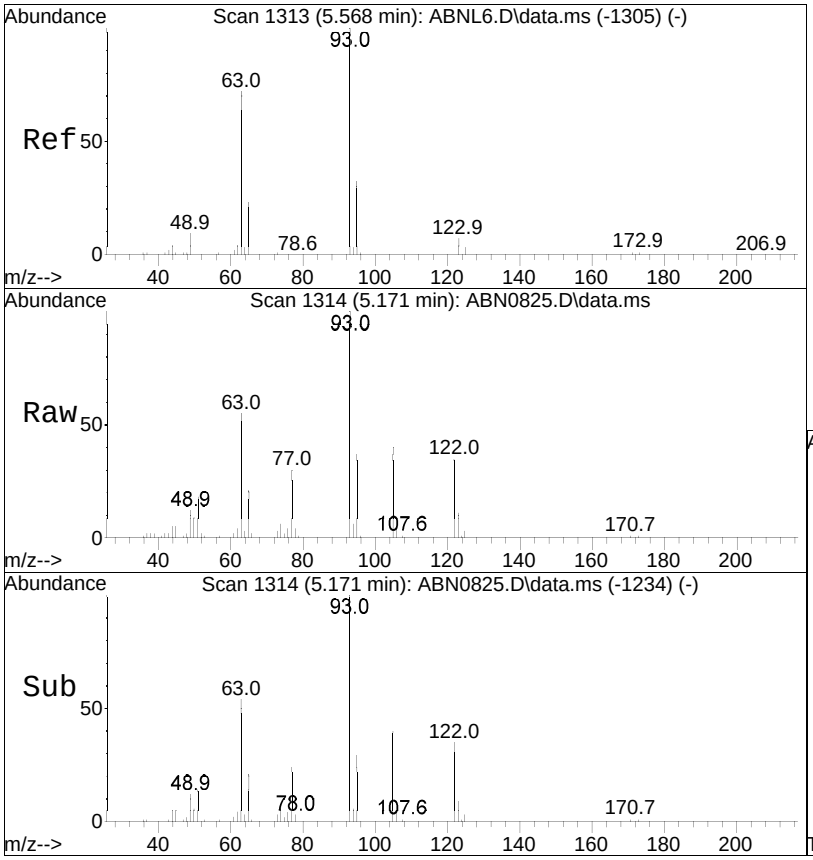


#23
2,4-Dimethylphenol
Concen: 5.05 ug/ml
RT: 5.087 min Scan# 1287
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:107 Resp: 25404

Ion	Ratio	Lower	Upper
107	100		
121	52.6	40.0	60.0
122	87.9	70.2	105.4

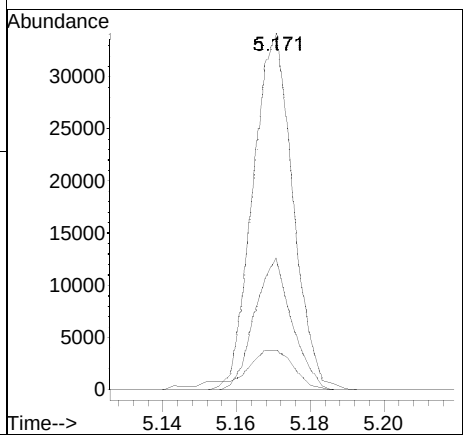


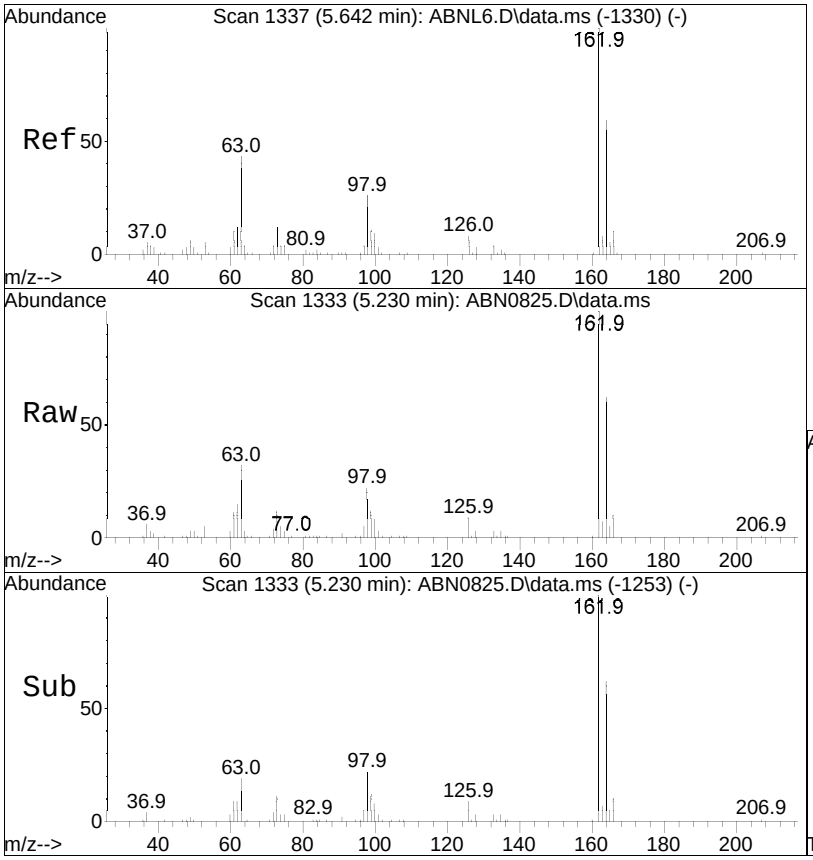


#24
Bis(2-chloroethoxy)methane
Concen: 3.98 ug/ml
RT: 5.171 min Scan# 1314
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 93 Resp: 25539

Ion	Ratio	Lower	Upper
93	100		
95	34.6	25.8	38.8
123	15.0	10.1	15.1

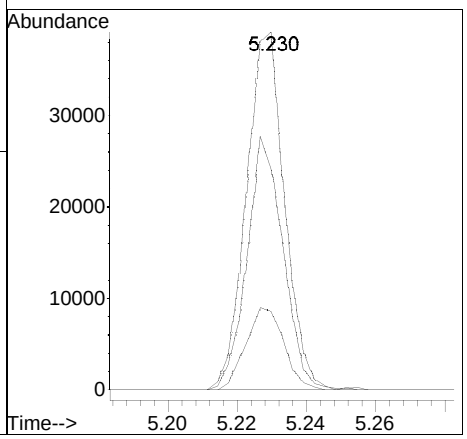


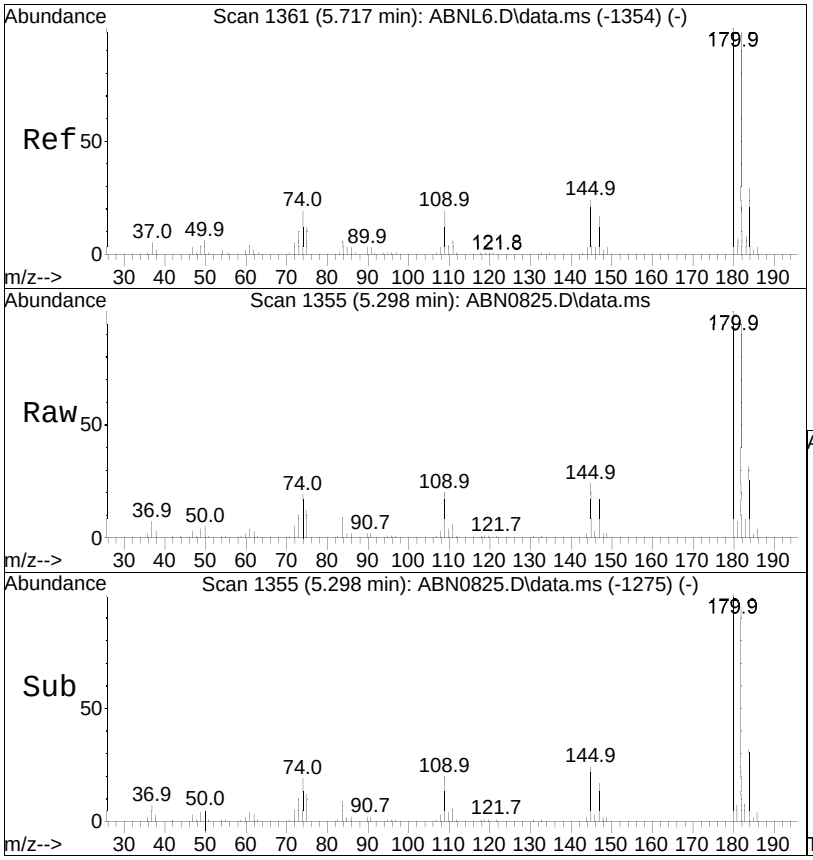


#25
2,4-Dichlorophenol
Concen: 5.24 ug/ml
RT: 5.230 min Scan# 1333
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:162 Resp: 29786

Ion	Ratio	Lower	Upper
162	100		
164	67.0	51.0	76.4
98	23.0	32.2	48.2#

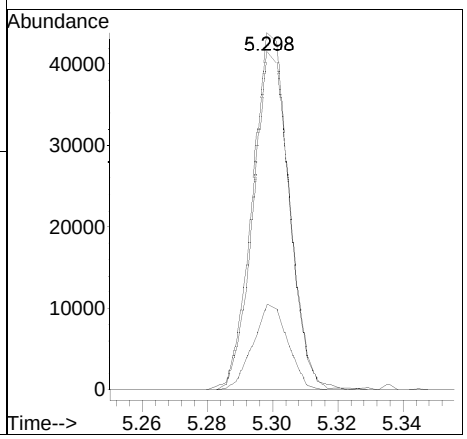


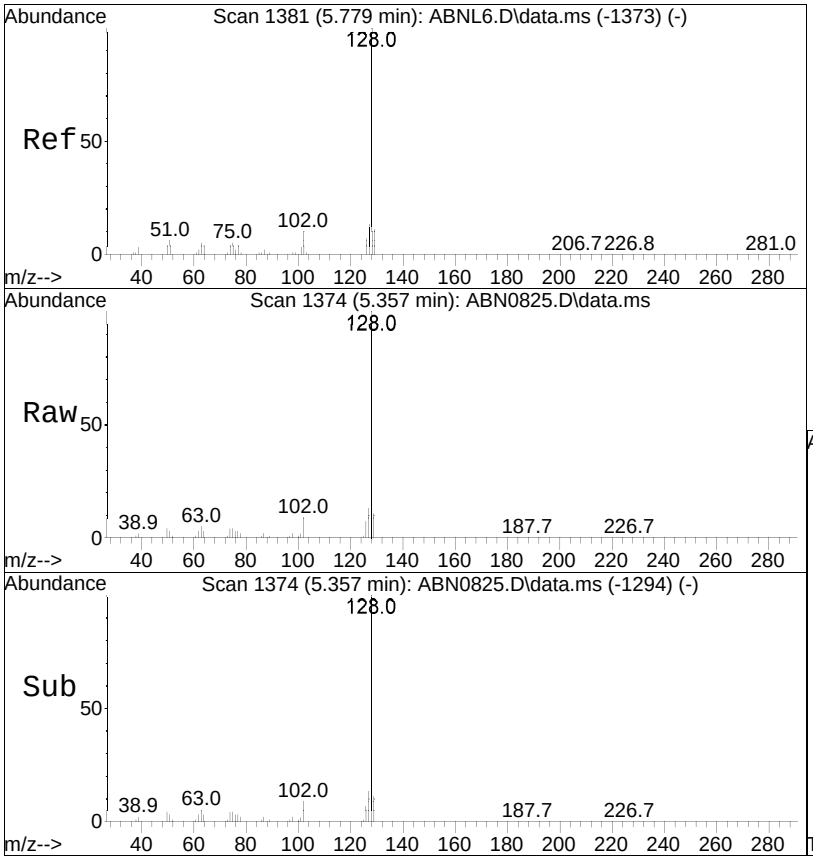


#26
1,2,4-Trichlorobenzene
Concen: 4.82 ug/ml
RT: 5.298 min Scan# 1355
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:180 Resp: 34142

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	22.9	25.7	38.5#

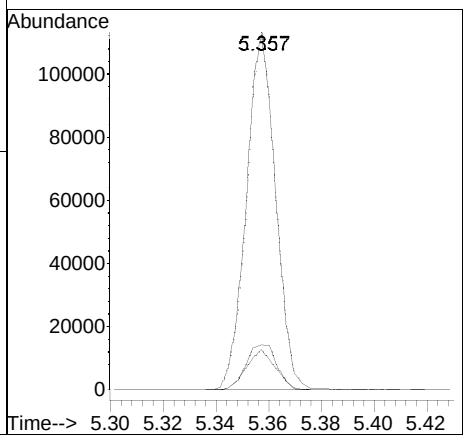


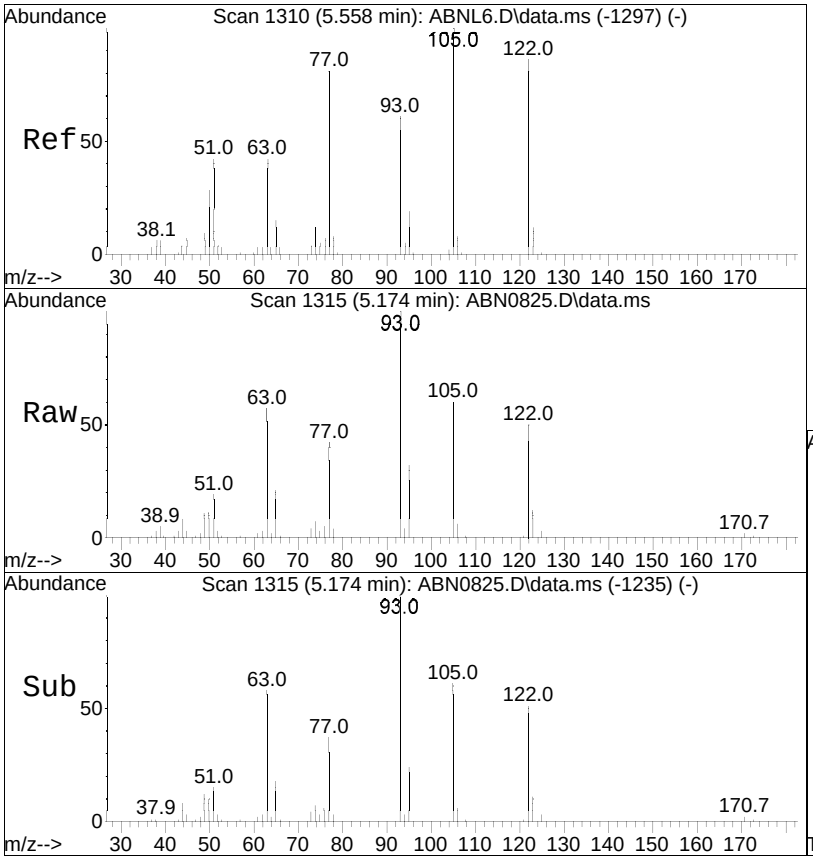


#36
Naphthalene
Concen: 4.66 ug/ml
RT: 5.357 min Scan# 1374
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:128 Resp: 86026

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.7	10.3	15.5

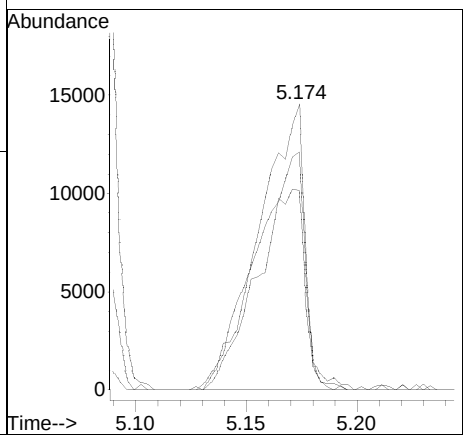


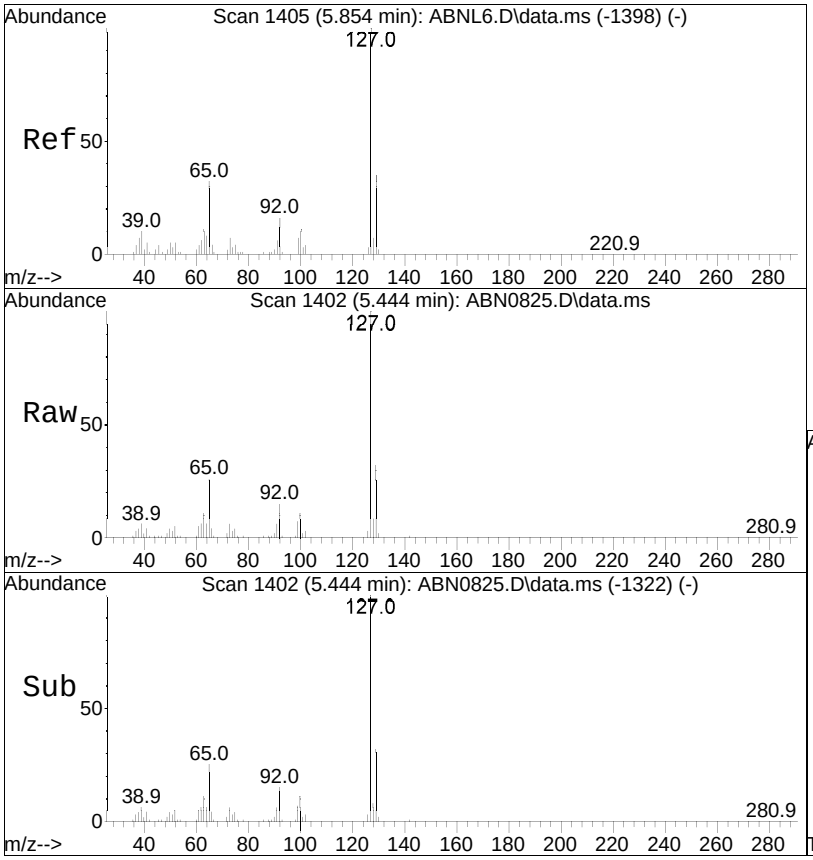


#37
Benzoic Acid
Concen: 5.04 ug/ml
RT: 5.174 min Scan# 1315
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:105 Resp: 20868

Ion	Ratio	Lower	Upper
105	100		
122	89.8	59.9	89.9
77	73.8	60.1	90.1

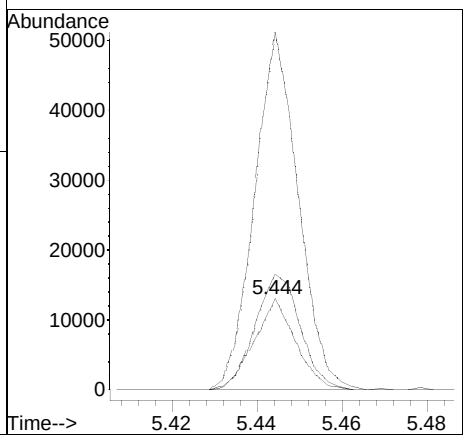


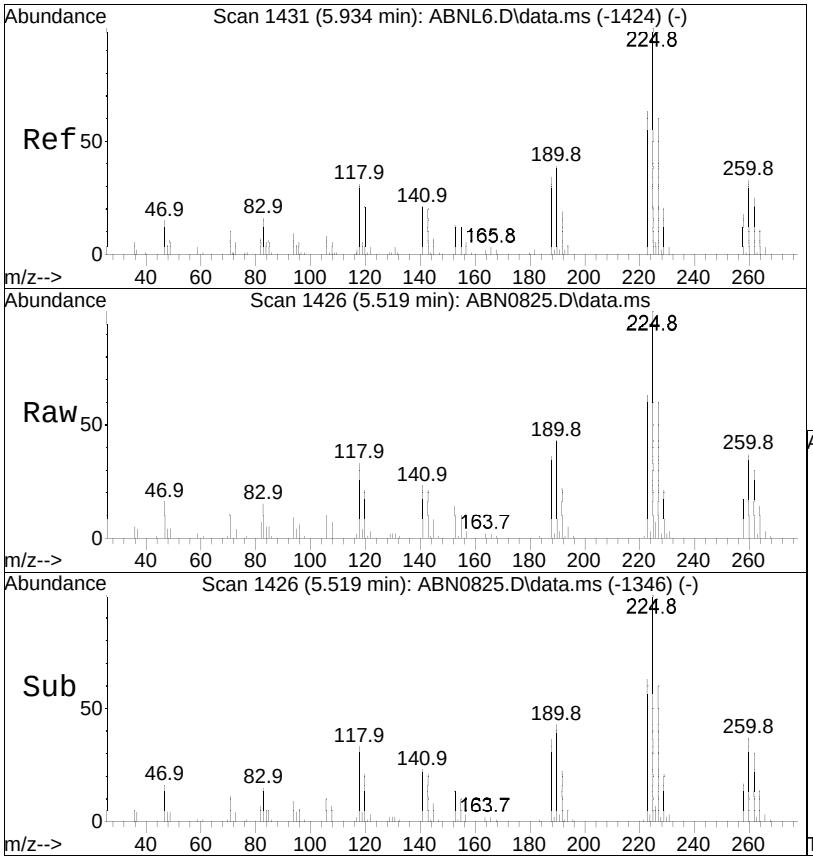


#38
4-Chloroaniline
Concen: 3.92 ug/ml
RT: 5.444 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 65 Resp: 8810

Ion	Ratio	Lower	Upper
65	100		
127	410.3	237.6	356.4#
129	138.0	76.3	114.5#

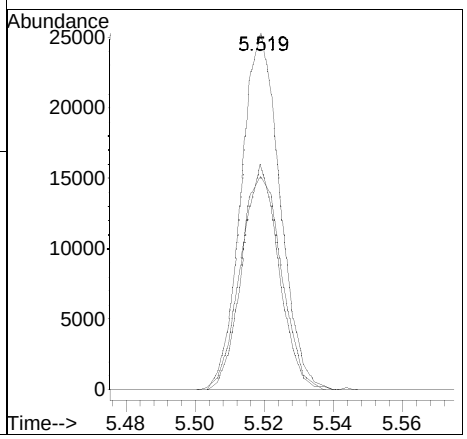


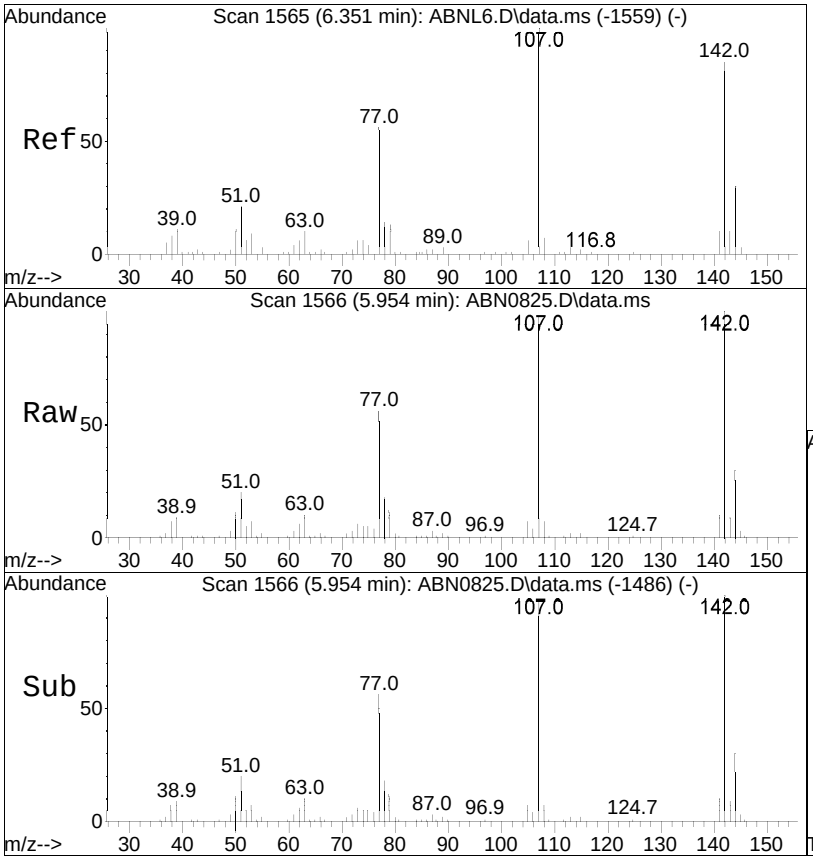


#39
Hexachlorobutadiene
Concen: 4.45 ug/ml
RT: 5.519 min Scan# 1426
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:225 Resp: 19743

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.3	75.5
227	62.3	52.2	78.2

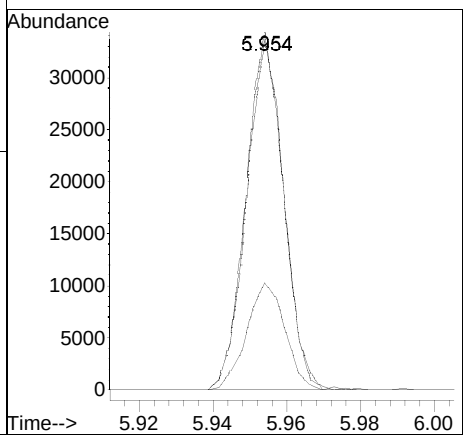


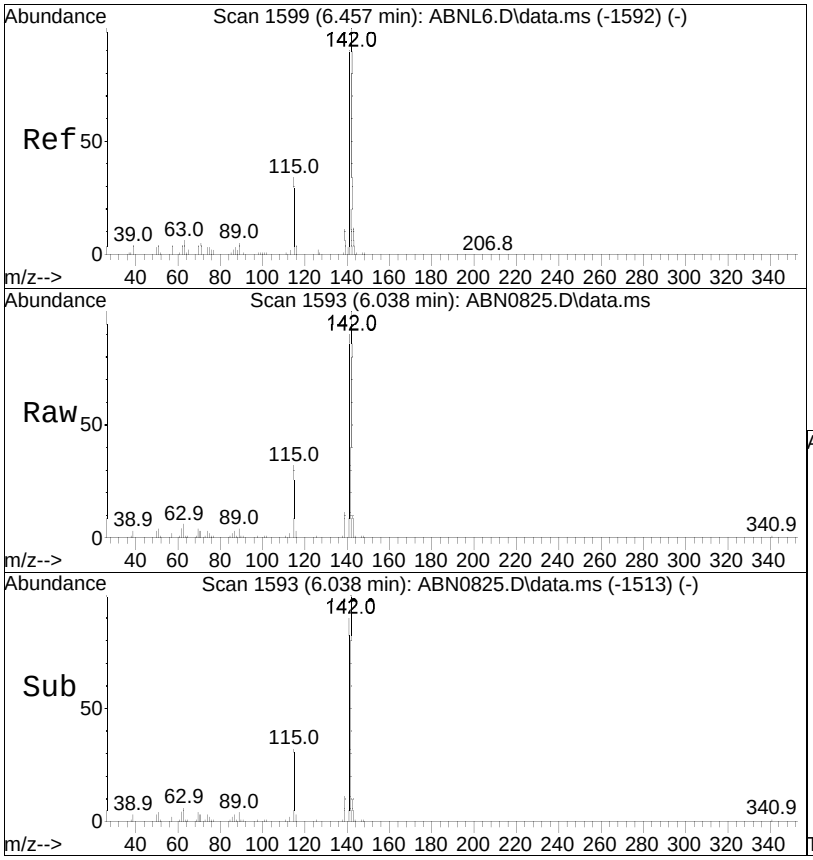


#40
p-Chloro-m-cresol
Concen: 4.56 ug/ml
RT: 5.954 min Scan# 1566
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:107 Resp: 23482

Ion	Ratio	Lower	Upper
107	100		
144	31.4	20.9	31.3#
142	100.9	66.1	99.1#

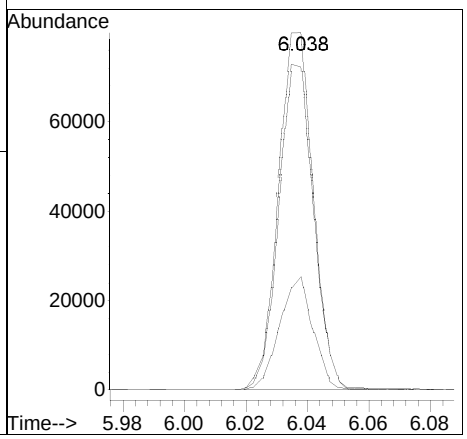


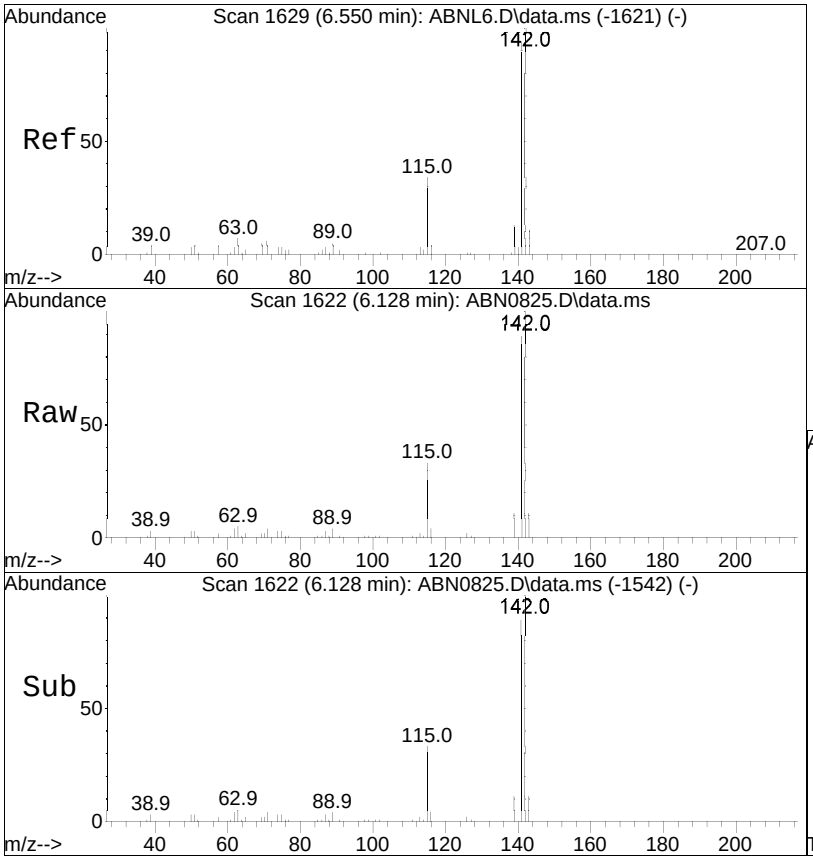


#41
2-Methylnaphthalene
Concen: 4.77 ug/ml M3
RT: 6.038 min Scan# 1593
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:142 Resp: 63291

Ion	Ratio	Lower	Upper
142	100		
141	90.4	69.6	104.4
115	30.4	26.6	40.0

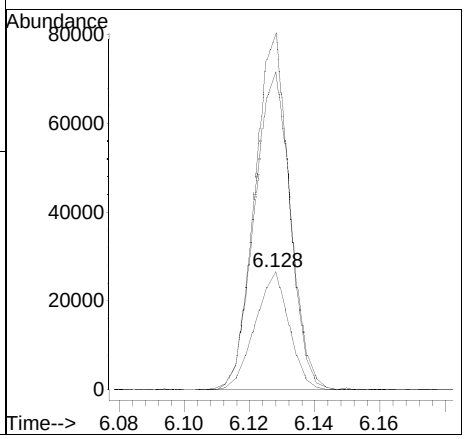


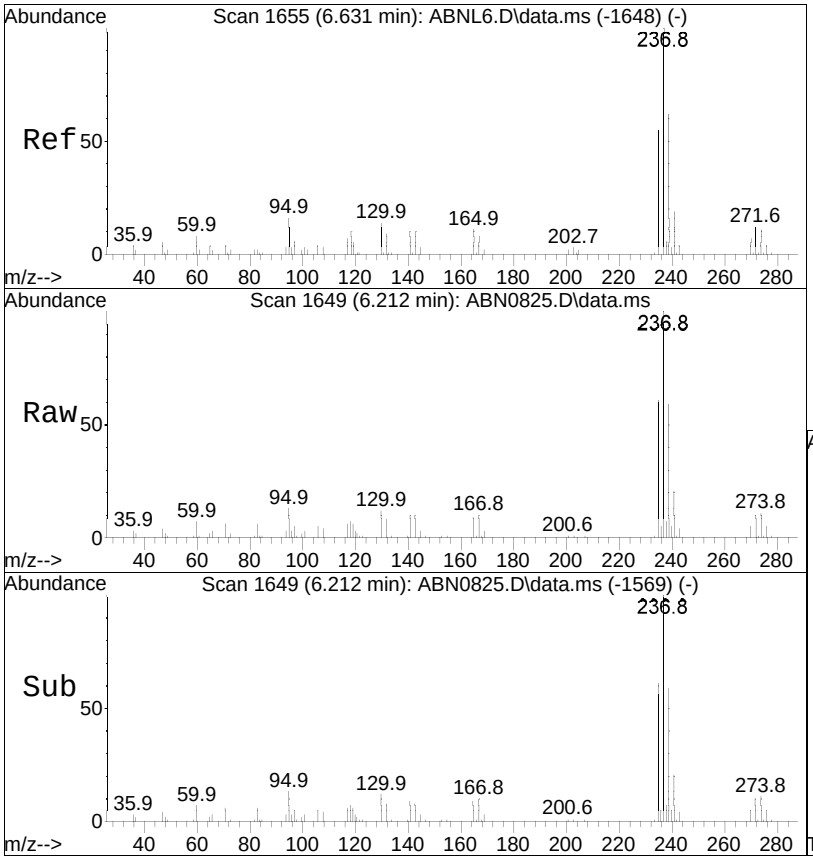


#42
1-Methylnaphthalene
Concen: 4.48 ug/ml
RT: 6.128 min Scan# 1622
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:115 Resp: 19491

Ion	Ratio	Lower	Upper
115	100		
141	280.9	207.8	311.6
142	306.0	226.8	340.2

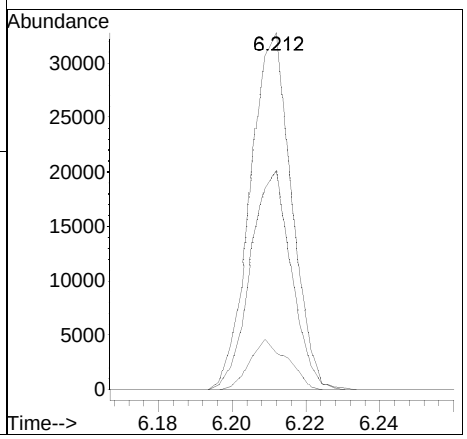


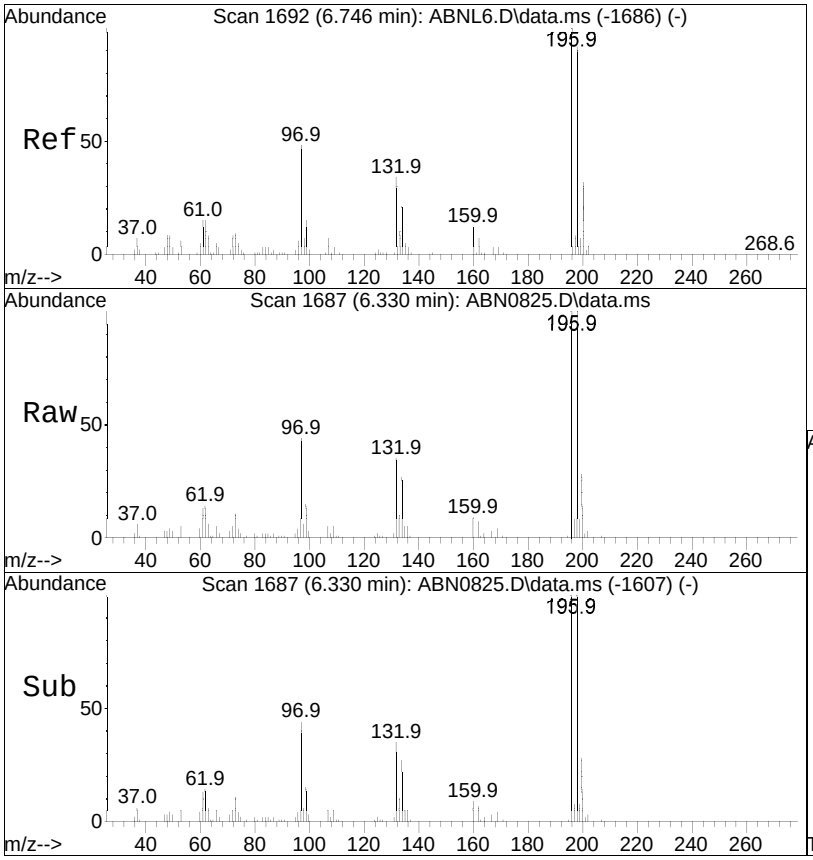


#43
Hexachlorocyclopentadiene
Concen: 4.95 ug/ml
RT: 6.212 min Scan# 1649
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:237 Resp: 25453

Ion	Ratio	Lower	Upper
237	100		
235	60.9	49.7	74.5
272	12.9	9.8	14.6

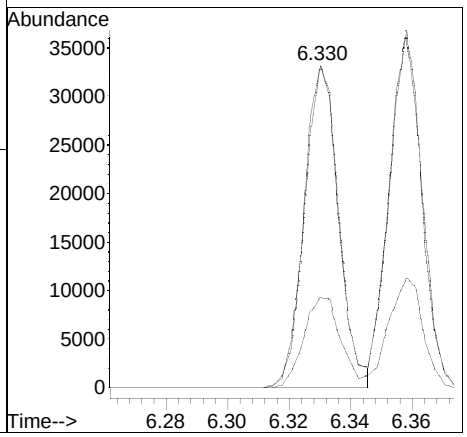


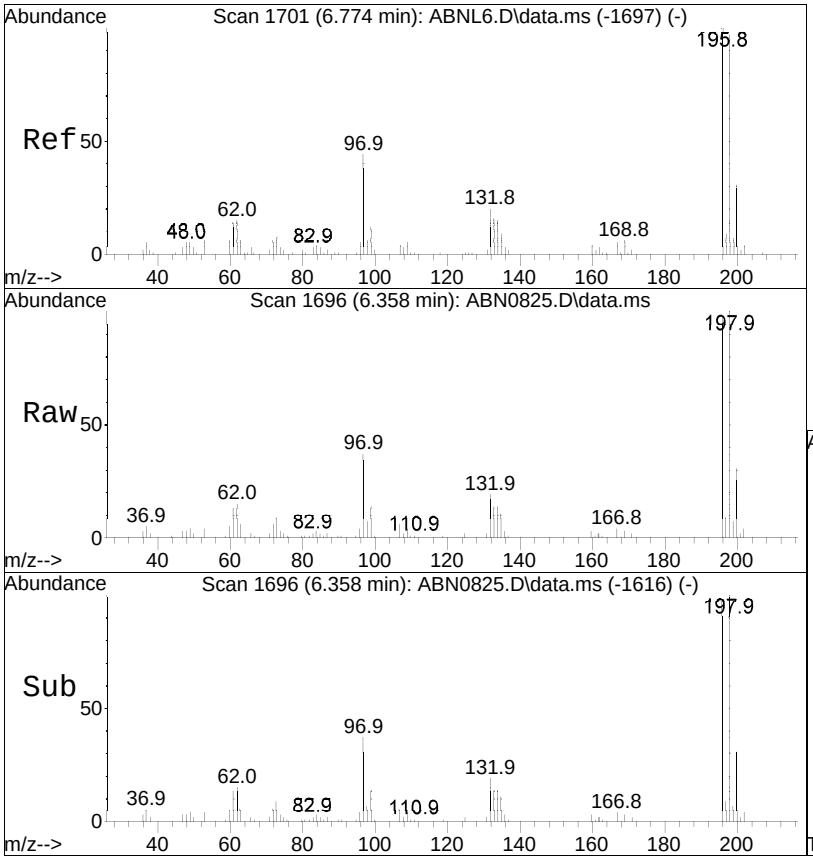


#44
2,4,6-Trichlorophenol
Concen: 4.96 ug/ml M3
RT: 6.330 min Scan# 1687
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:196 Resp: 26009

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.5	116.3
200	29.8	23.8	35.6

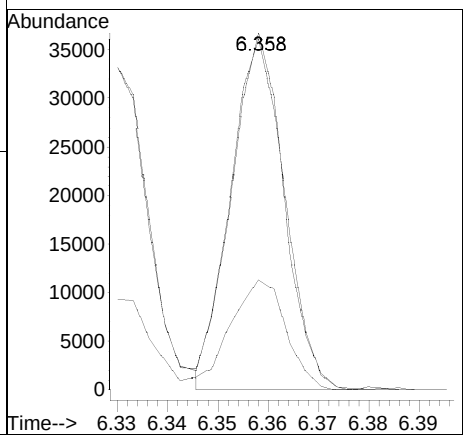


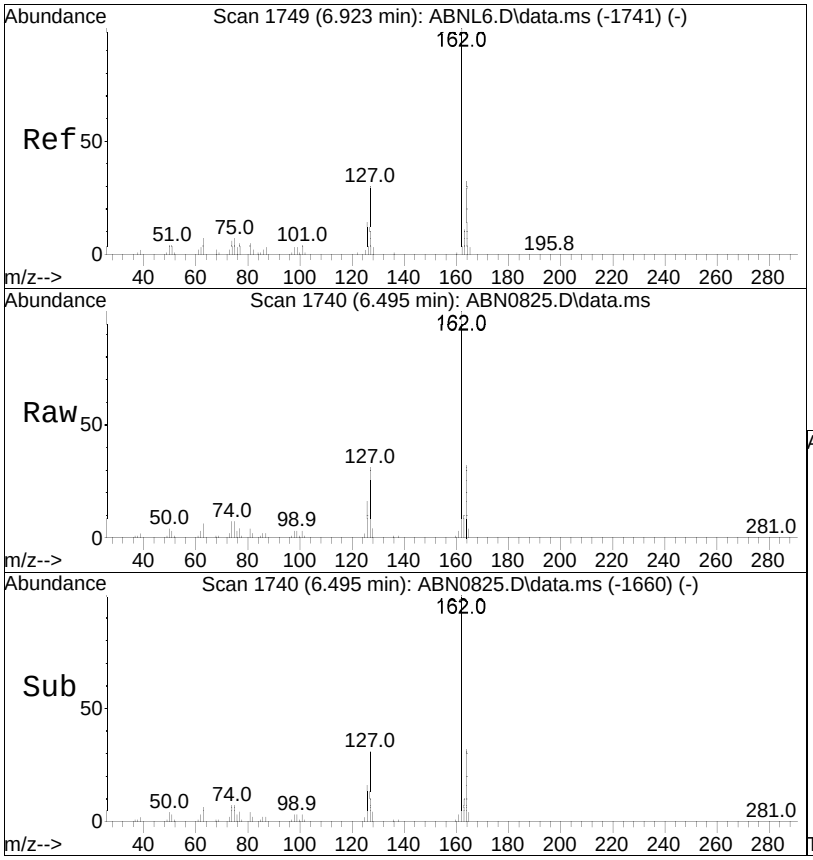


#45
2,4,5-Trichlorophenol
Concen: 4.79 ug/ml
RT: 6.358 min Scan# 1696
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:196 Resp: 26839

Ion	Ratio	Lower	Upper
196	100		
200	33.0	25.4	38.0
198	99.1	78.0	117.0

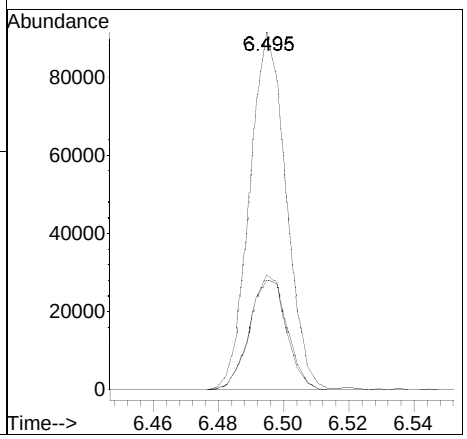


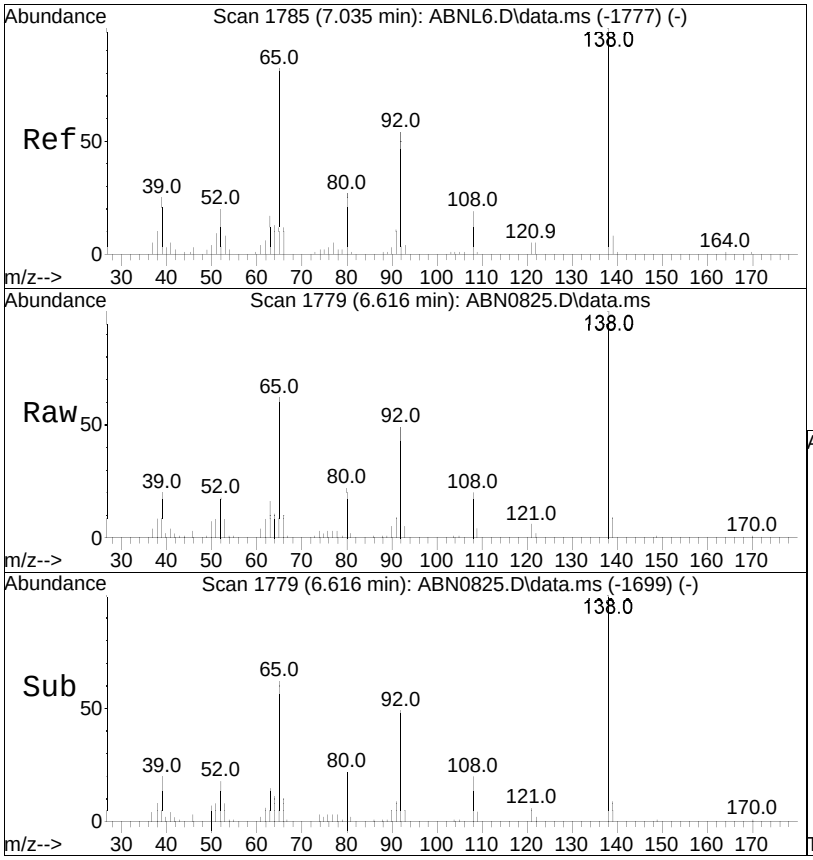


#47
2-Chloronaphthalene
Concen: 4.81 ug/ml
RT: 6.495 min Scan# 1740
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:162 Resp: 70714

Ion	Ratio	Lower	Upper
162	100		
127	31.3	32.2	48.4#
164	32.7	25.7	38.5

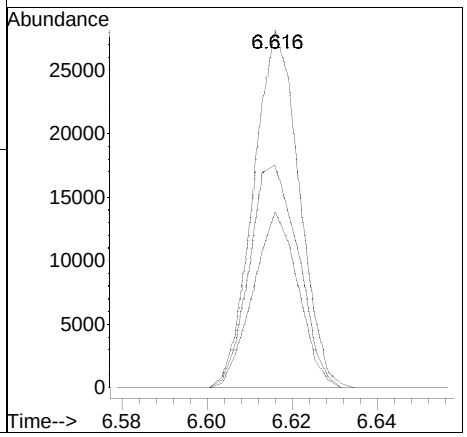


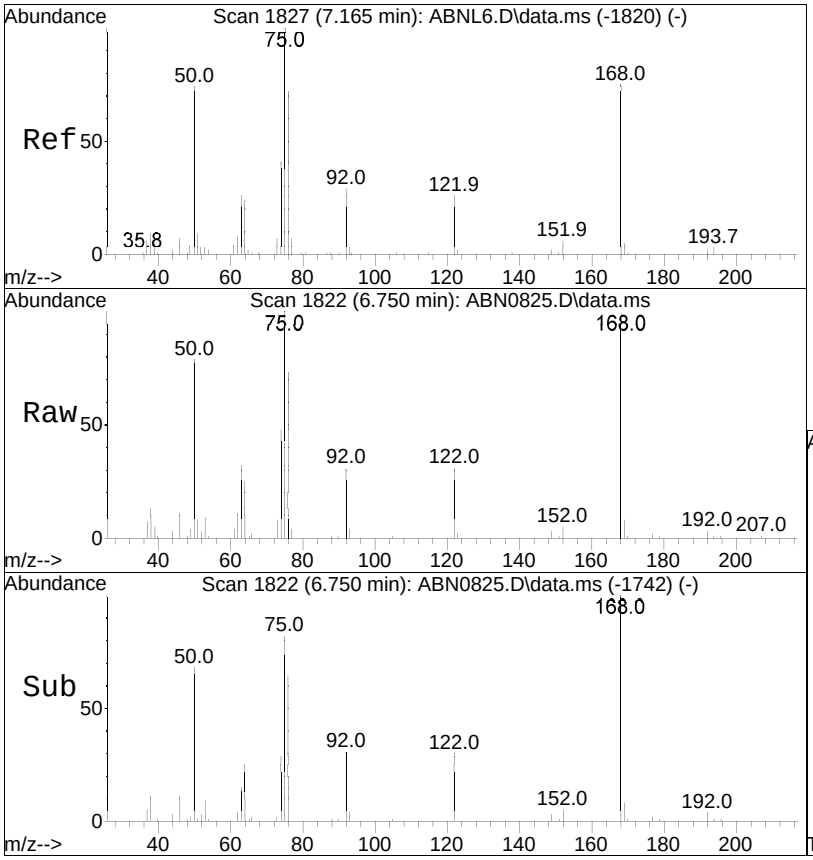


#48
2-Nitroaniline
Concen: 5.33 ug/ml
RT: 6.616 min Scan# 1779
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:138 Resp: 20891

Ion	Ratio	Lower	Upper
138	100		
92	48.7	53.5	80.3#
65	66.5	86.3	129.5#

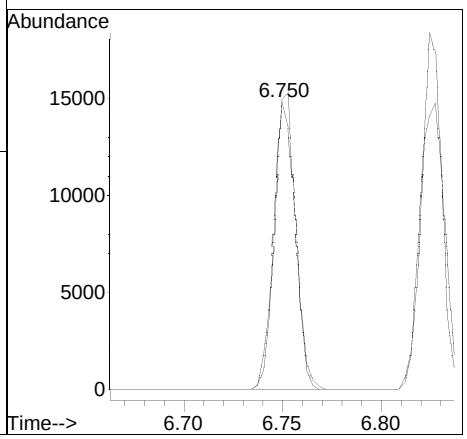


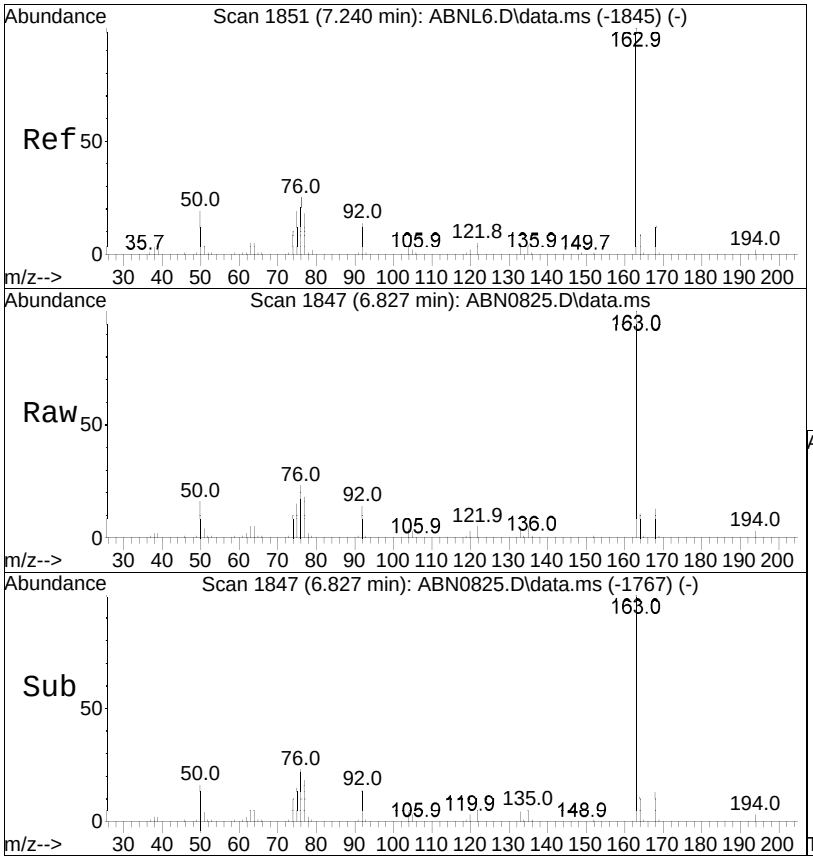


#49
1,4-Dinitrobenzene
Concen: 5.32 ug/ml M3
RT: 6.750 min Scan# 1822
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:168 Resp: 11081

Ion	Ratio	Lower	Upper
168	100		
75	104.4	121.8	182.8#

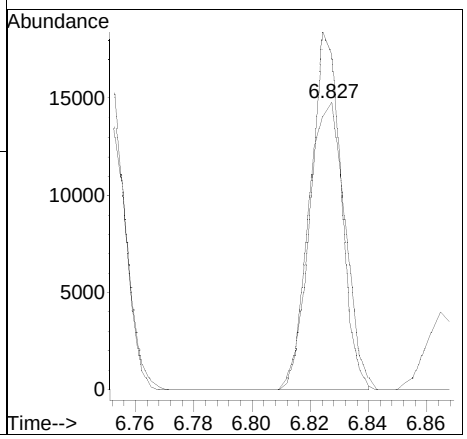


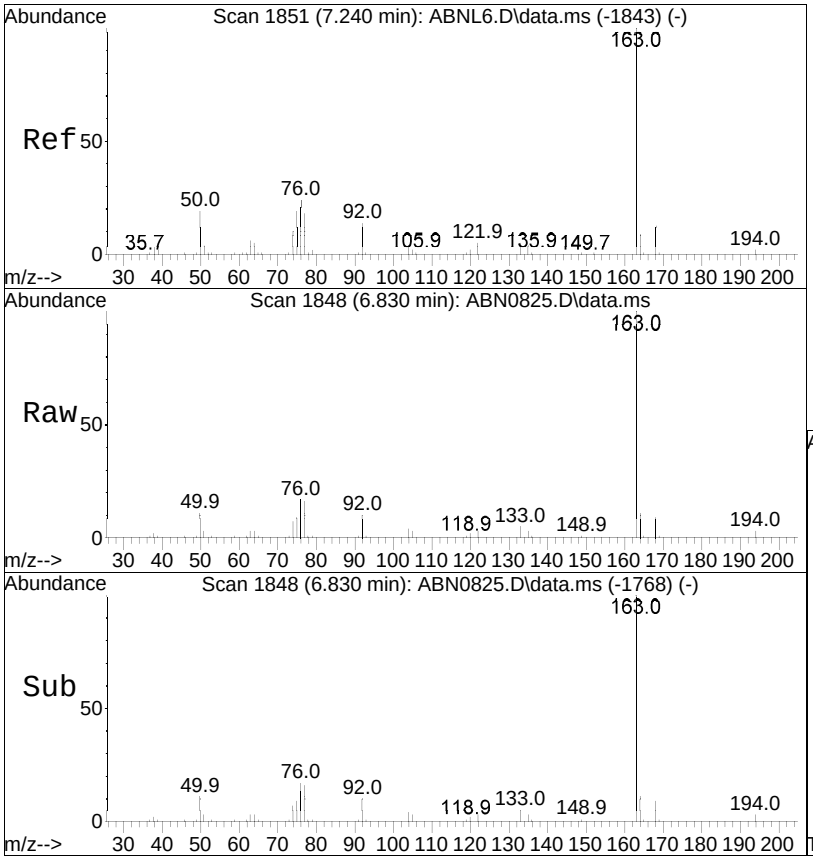


#50
1,3-Dinitrobenzene
Concen: 5.48 ug/ml M3
RT: 6.827 min Scan# 1847
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:168 Resp: 12301

Ion	Ratio	Lower	Upper
168	100		
75	113.6	22.7	34.1#

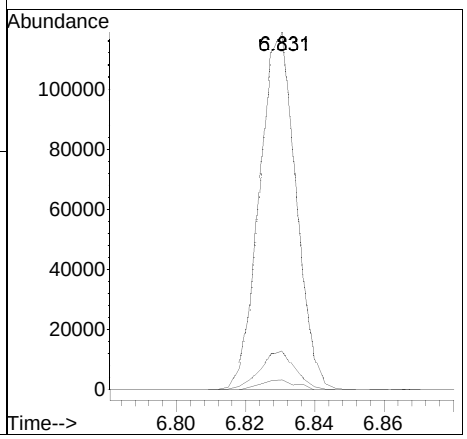


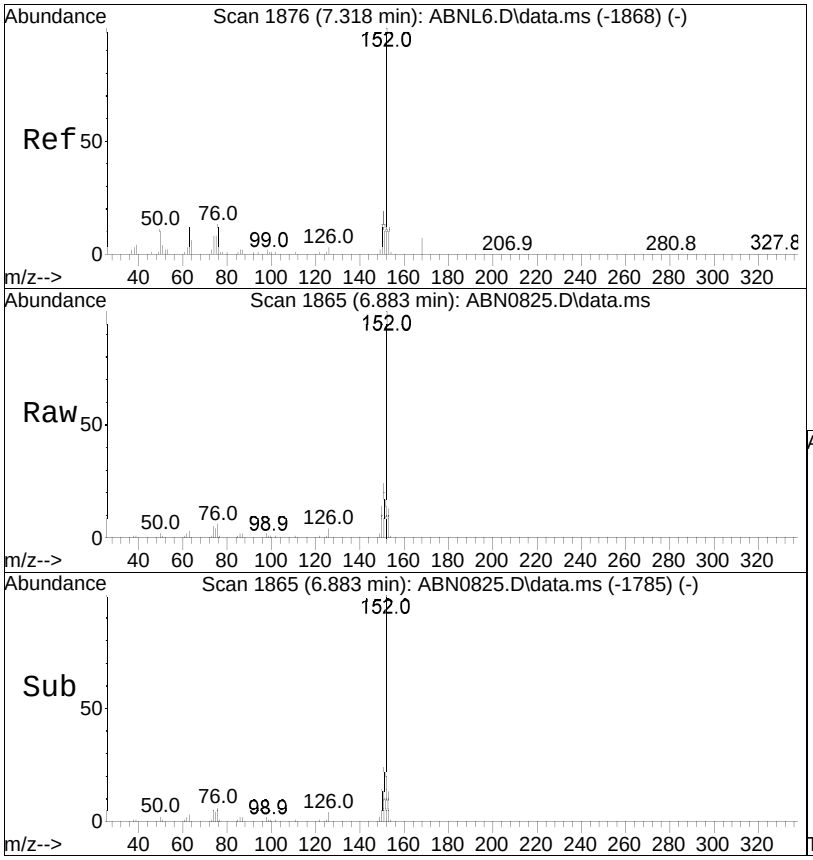


#51
Dimethyl phthalate
Concen: 4.72 ug/ml
RT: 6.830 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:163 Resp: 86276

Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.5	5.3#
164	10.7	7.9	11.9

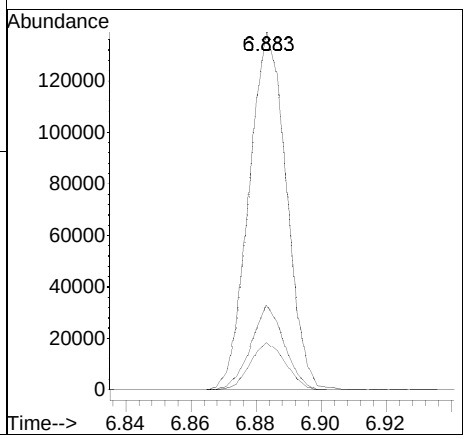


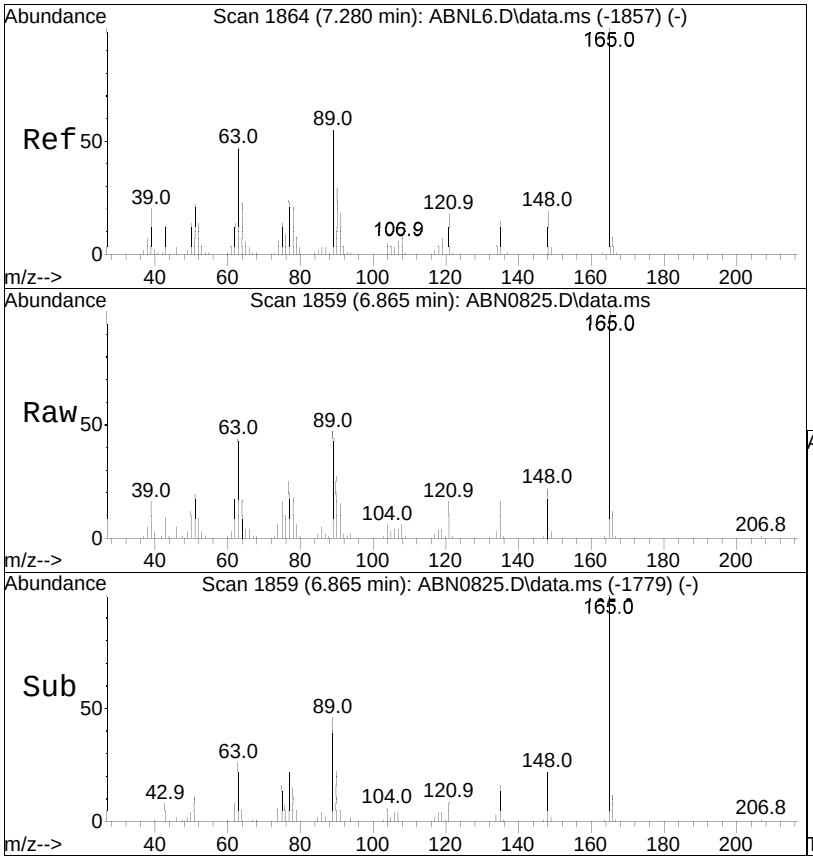


#52
Acenaphthylene
Concen: 5.01 ug/ml
RT: 6.883 min Scan# 1865
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:152 Resp: 110026

Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.8	23.6
153	12.7	10.5	15.7

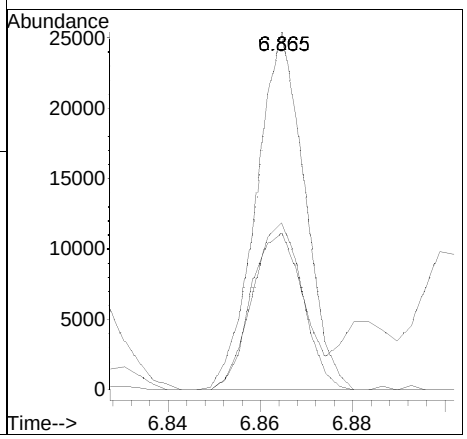


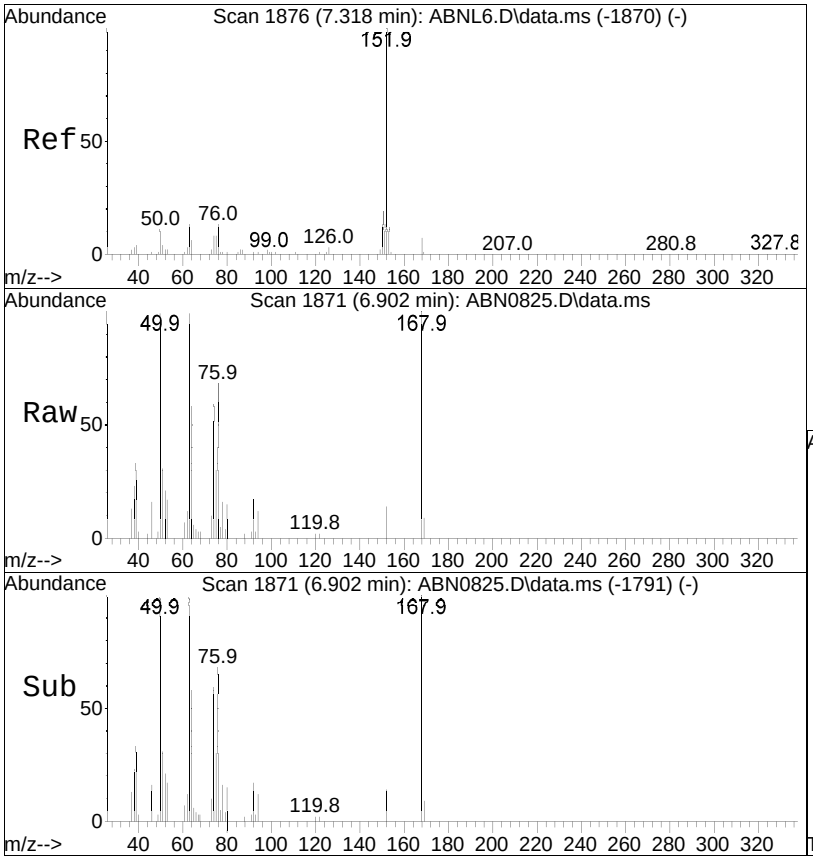


#53
2,6-Dinitrotoluene
Concen: 5.12 ug/ml
RT: 6.865 min Scan# 1859
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:165 Resp: 18508

Ion	Ratio	Lower	Upper
165	100		
89	48.3	54.2	81.2#
63	48.6	64.2	96.2#

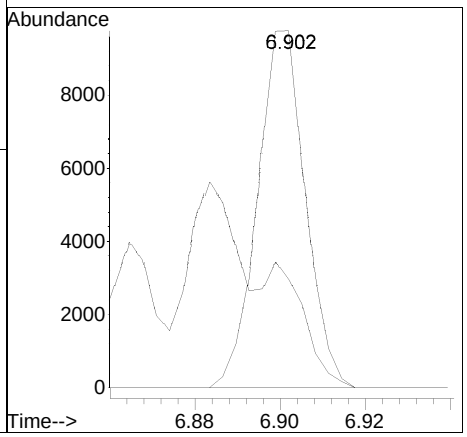


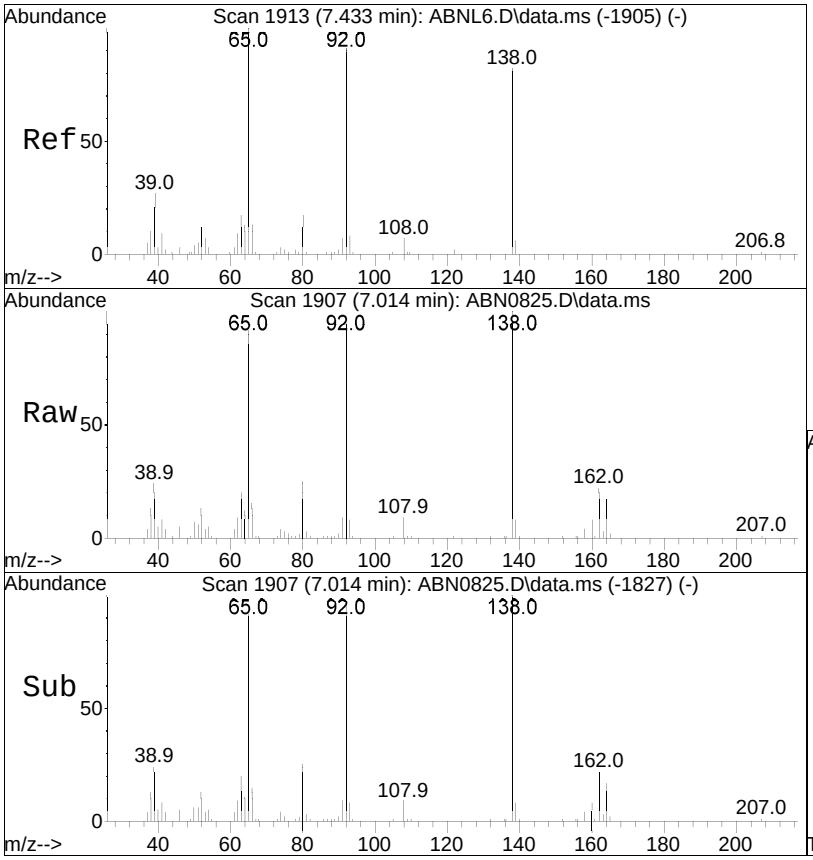


#54
1,2-Dinitrobenzene
Concen: 5.80 ug/ml
RT: 6.902 min Scan# 1871
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:168 Resp: 7618

Ion	Ratio	Lower	Upper
168	100		
75	39.7	30.9	46.3

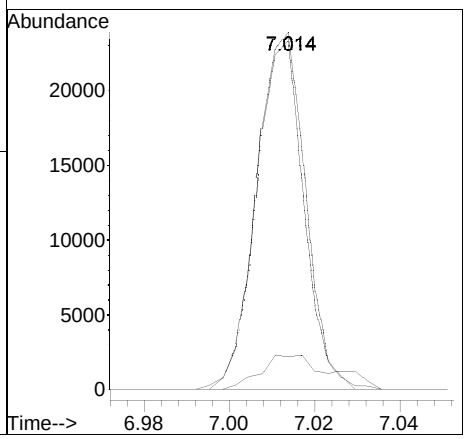


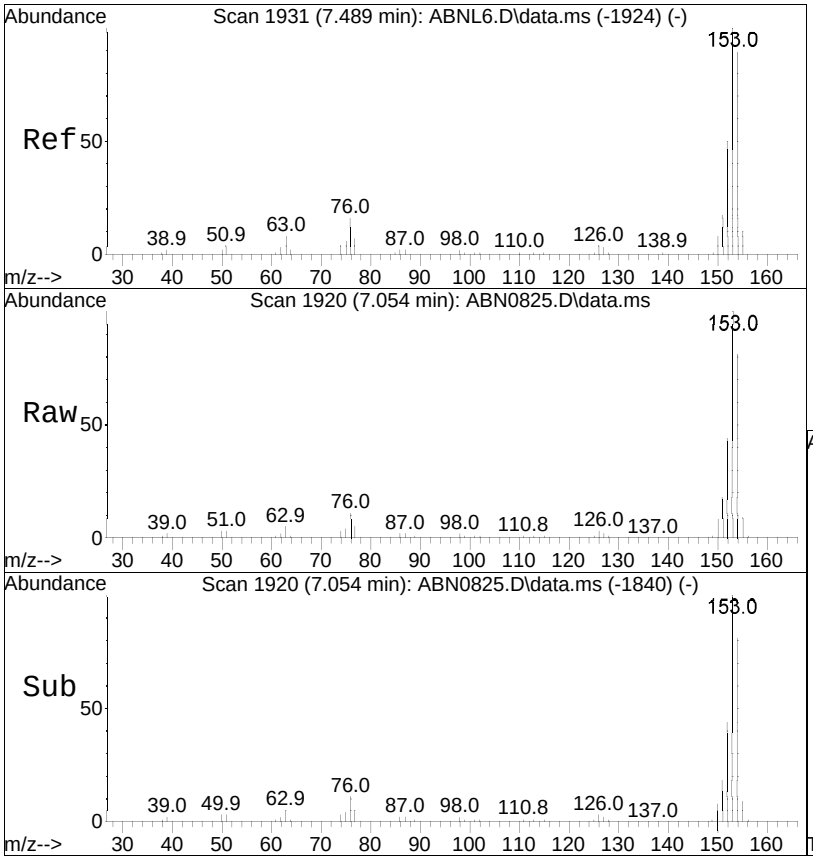


#64
3-Nitroaniline
Concen: 4.99 ug/ml
RT: 7.014 min Scan# 1907
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:138 Resp: 18867

Ion	Ratio	Lower	Upper
138	100		
92	95.7	93.4	140.2
108	14.2	9.5	14.3

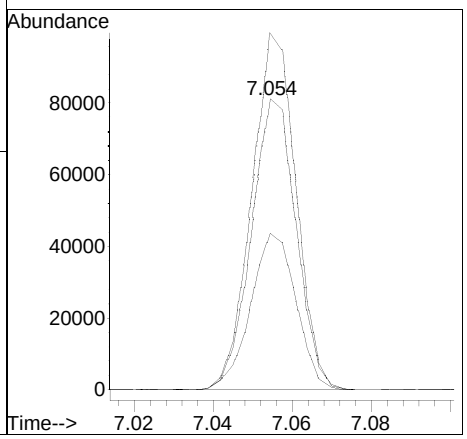


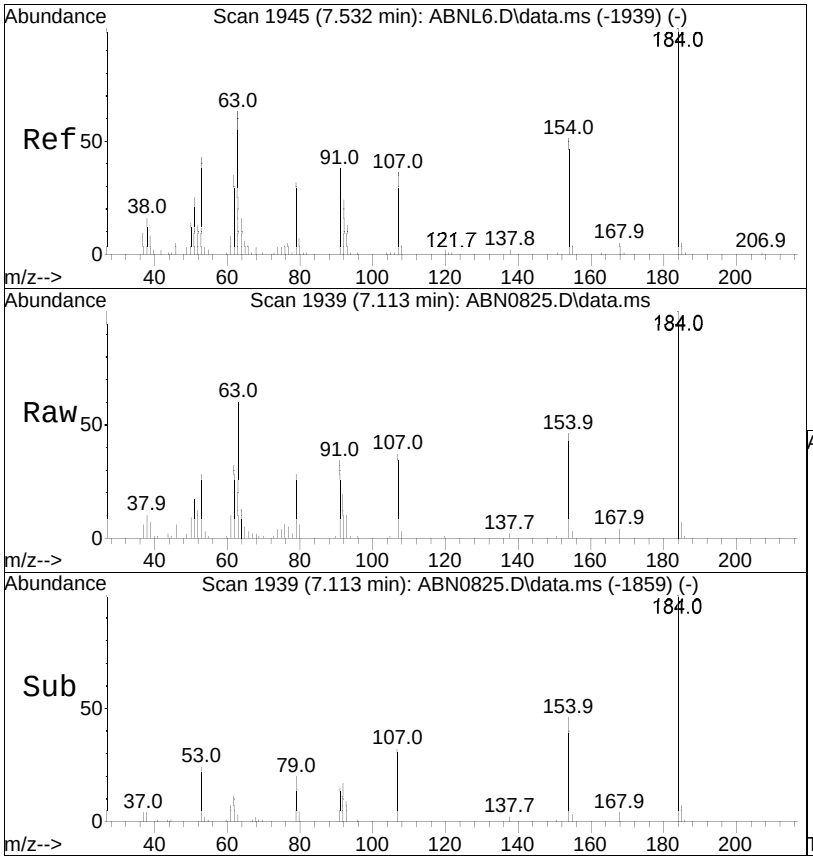


#65
Acenaphthene
Concen: 4.64 ug/ml
RT: 7.054 min Scan# 1920
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:154 Resp: 63888

Ion	Ratio	Lower	Upper
154	100		
153	121.3	85.3	127.9
152	54.7	41.4	62.0

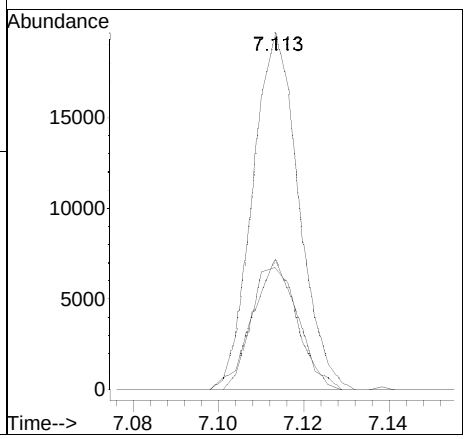


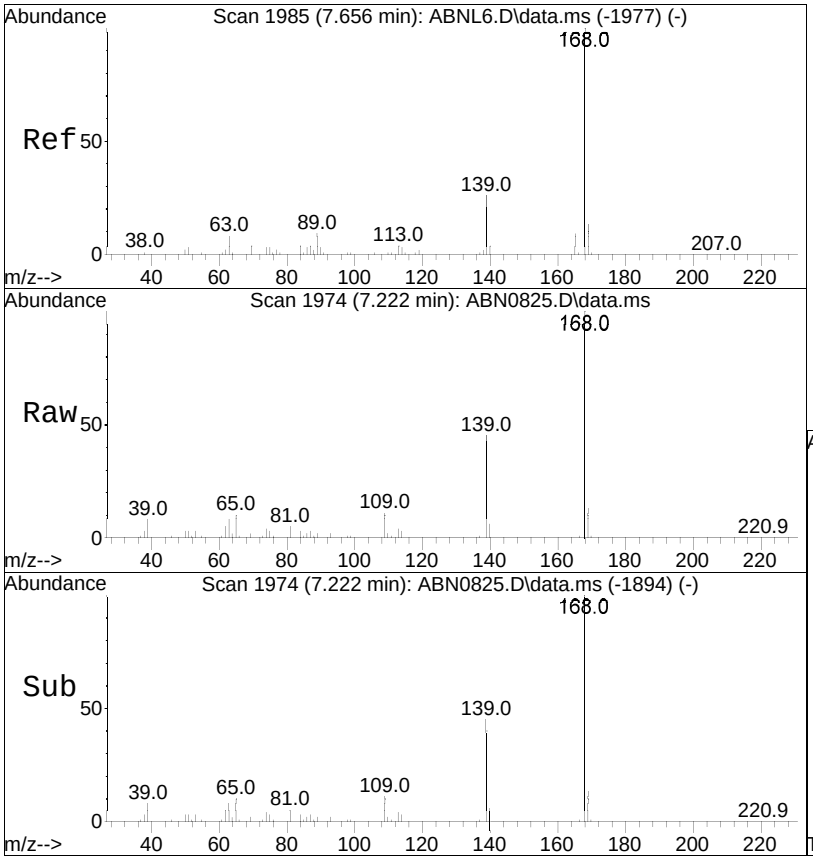


#66
2,4-Dinitrophenol
Concen: 5.35 ug/ml
RT: 7.113 min Scan# 1939
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:184 Resp: 14696

Ion	Ratio	Lower	Upper
184	100		
107	36.1	37.7	56.5#
91	34.8	46.3	69.5#

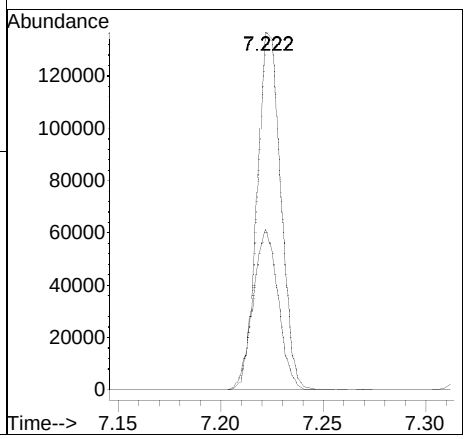


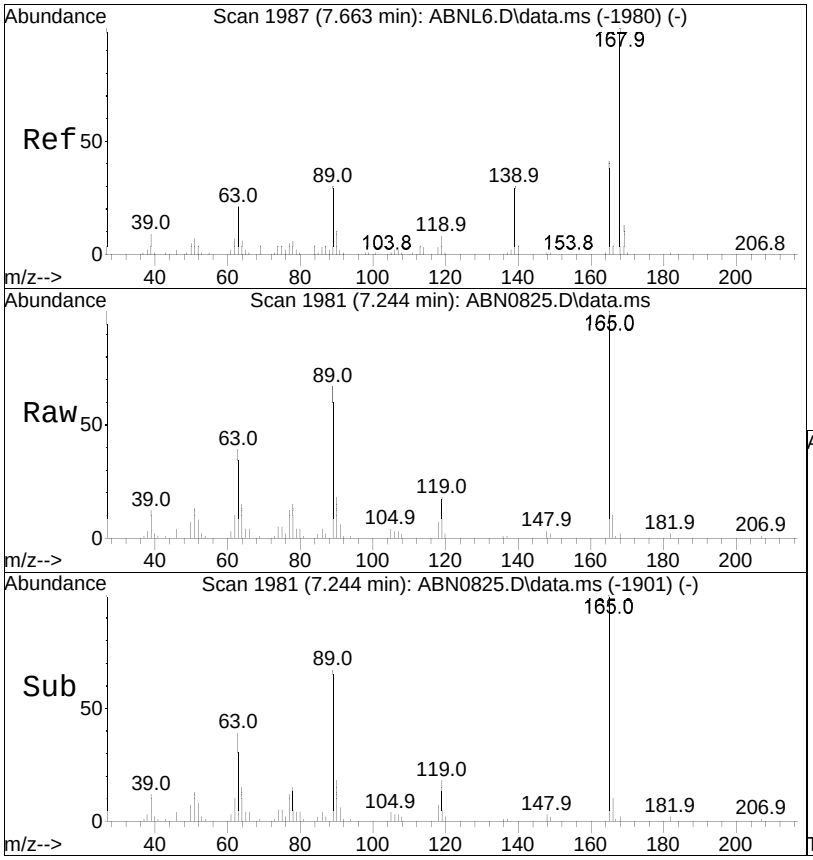


#67
Dibenzofuran
Concen: 4.45 ug/ml M3
RT: 7.222 min Scan# 1974
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:168 Resp: 107797

Ion	Ratio	Lower	Upper
168	100		
139	47.8	31.4	47.2#

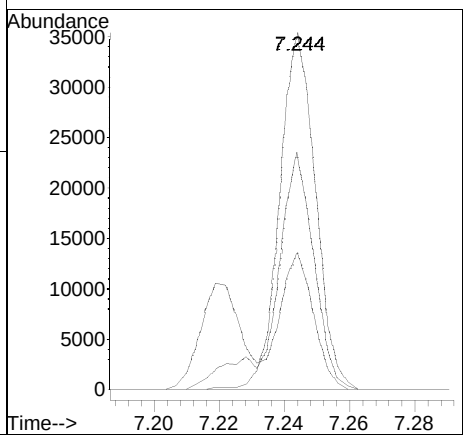


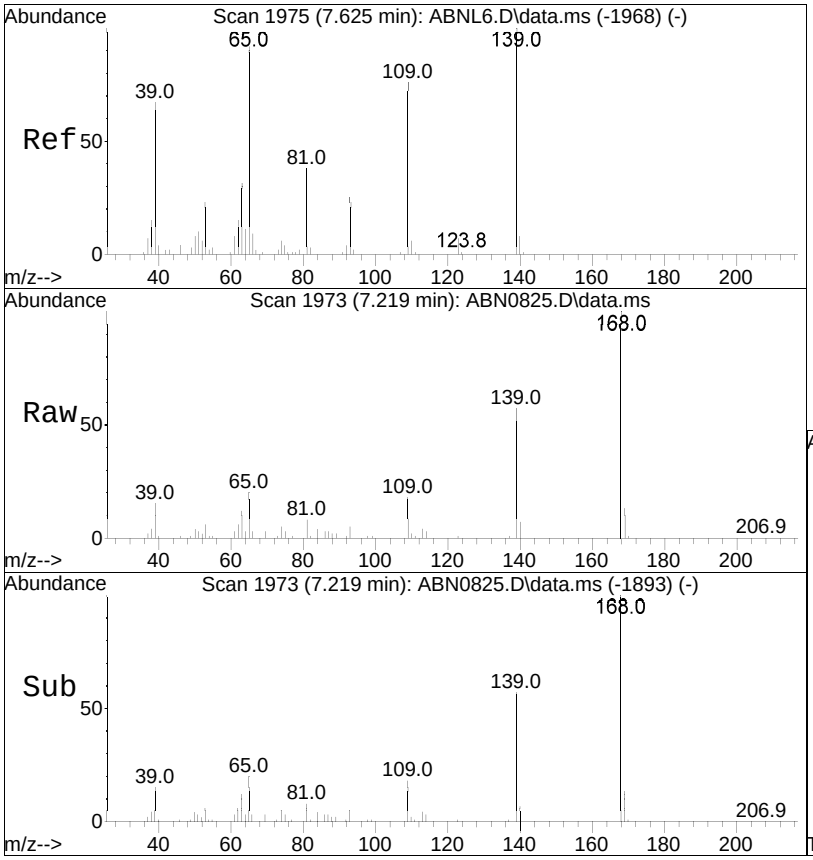


#68
2,4-Dinitrotoluene
Concen: 5.20 ug/ml
RT: 7.244 min Scan# 1981
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:165 Resp: 26772

Ion	Ratio	Lower	Upper
165	100		
89	71.9	72.0	108.0#
63	36.7	52.7	79.1#

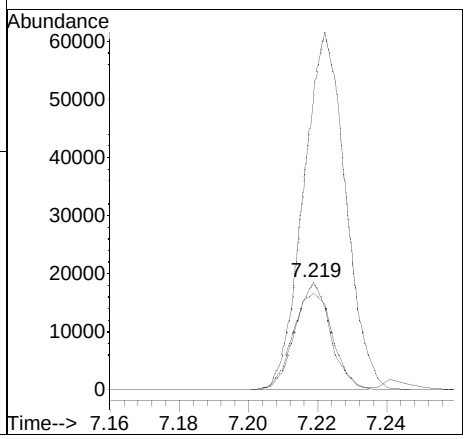


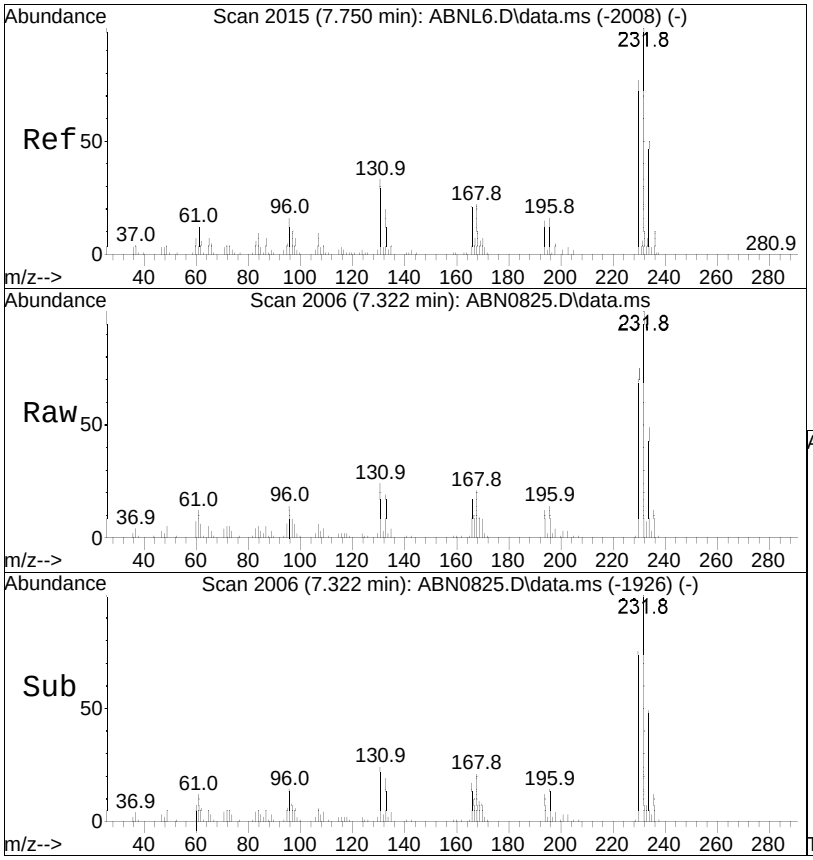


#69
4-Nitrophenol
Concen: 4.24 ug/ml M6
RT: 7.219 min Scan# 1973
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 65 Resp: 13443

Ion	Ratio	Lower	Upper
65	100		
109	97.4	47.4	71.2#
139	383.6	76.6	115.0#

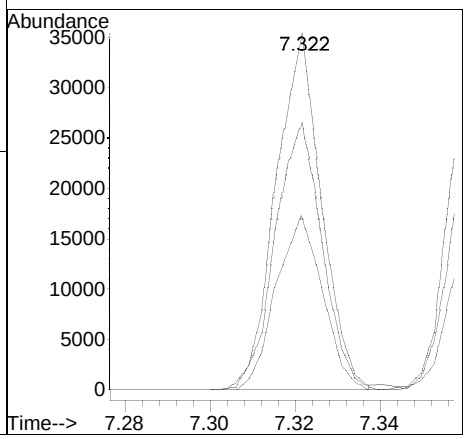


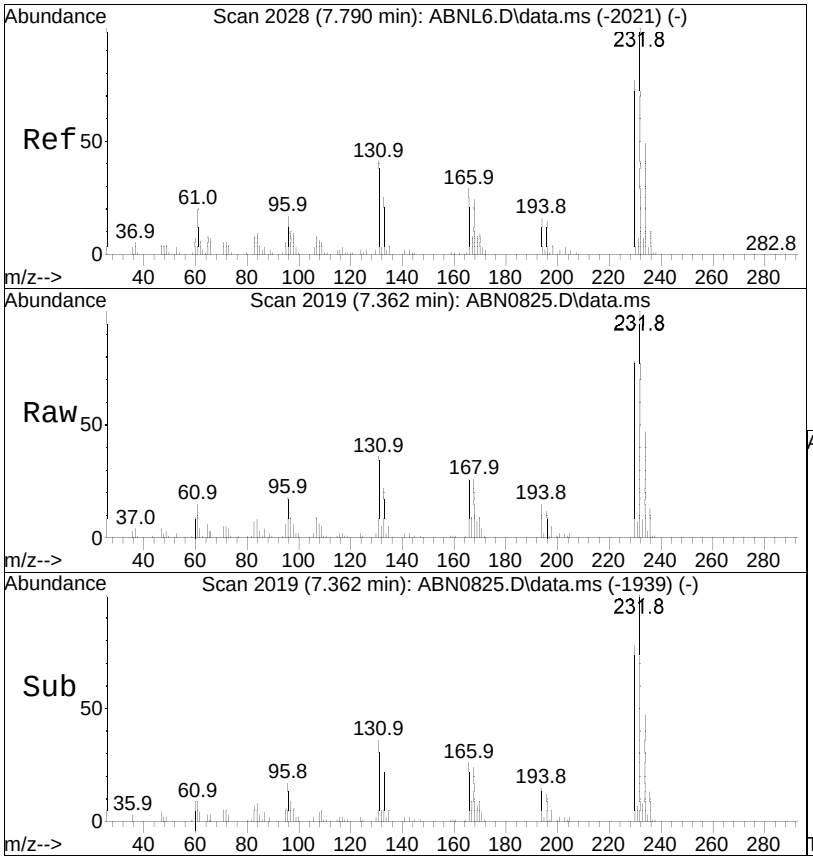


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.80 ug/ml M3
RT: 7.322 min Scan# 2006
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:232 Resp: 26167

Ion	Ratio	Lower	Upper
232	100		
230	77.9	64.2	96.4
234	49.9	38.1	57.1

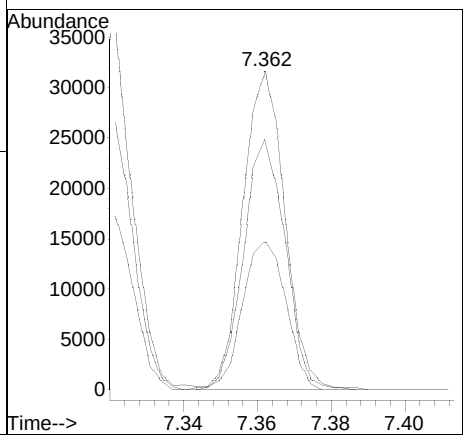


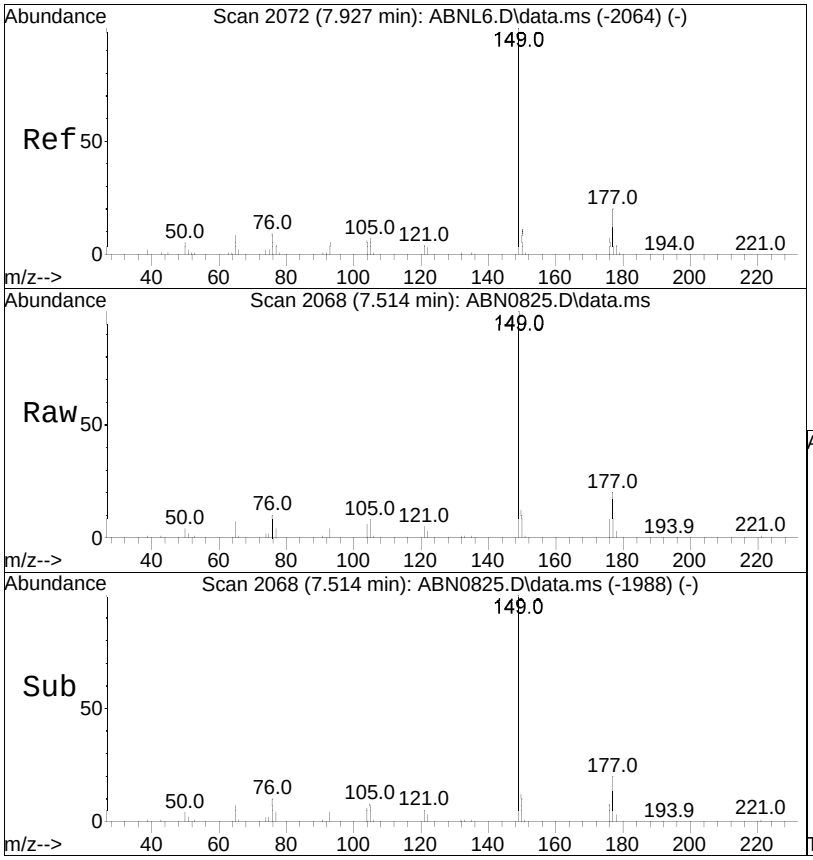


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.89 ug/ml
RT: 7.362 min Scan# 2019
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:232 Resp: 24964

Ion	Ratio	Lower	Upper
232	100		
230	78.8	61.8	92.8
234	48.3	36.2	54.2

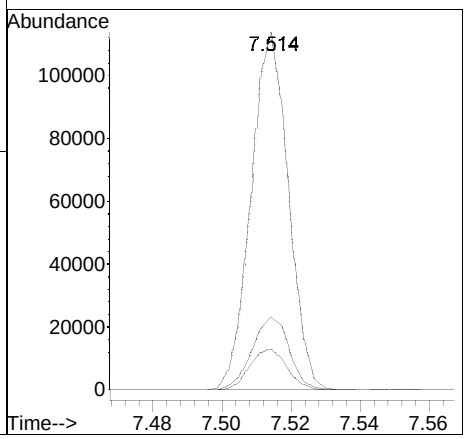


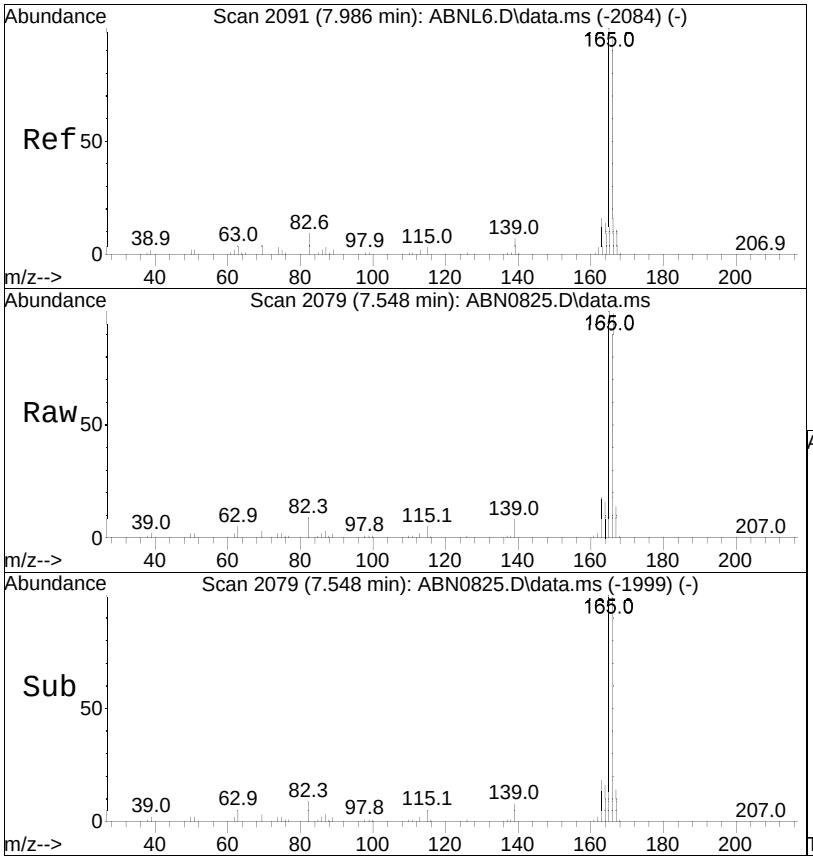


#72
Diethyl phthalate
Concen: 4.28 ug/ml
RT: 7.514 min Scan# 2068
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:149 Resp: 84217

Ion	Ratio	Lower	Upper
149	100		
177	20.4	16.1	24.1
150	11.5	9.4	14.2

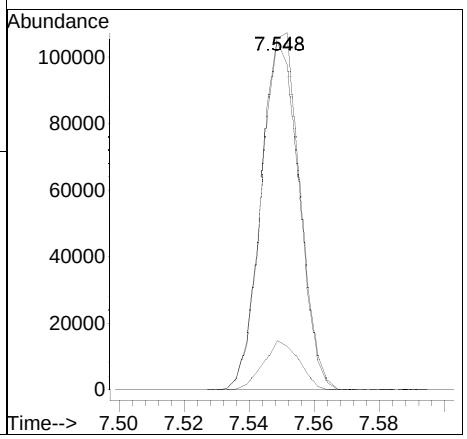


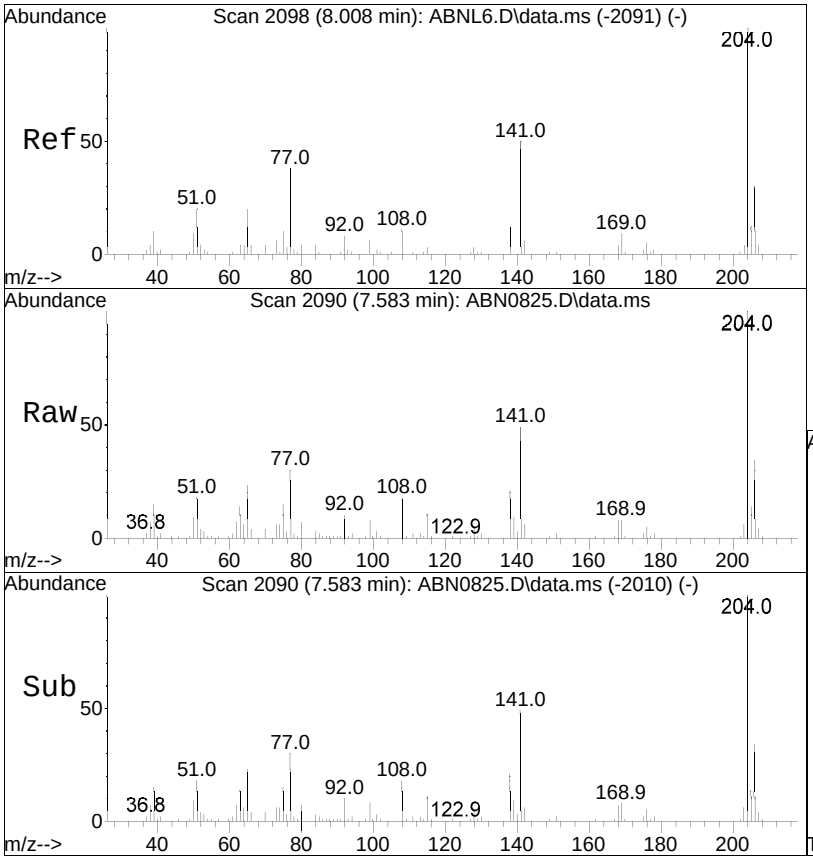


#73
Fluorene
Concen: 4.59 ug/ml
RT: 7.548 min Scan# 2079
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:166 Resp: 84663

Ion	Ratio	Lower	Upper
166	100		
165	104.1	76.2	114.2
167	13.4	10.6	15.8

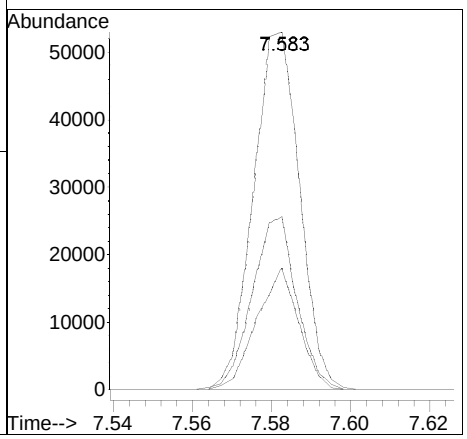


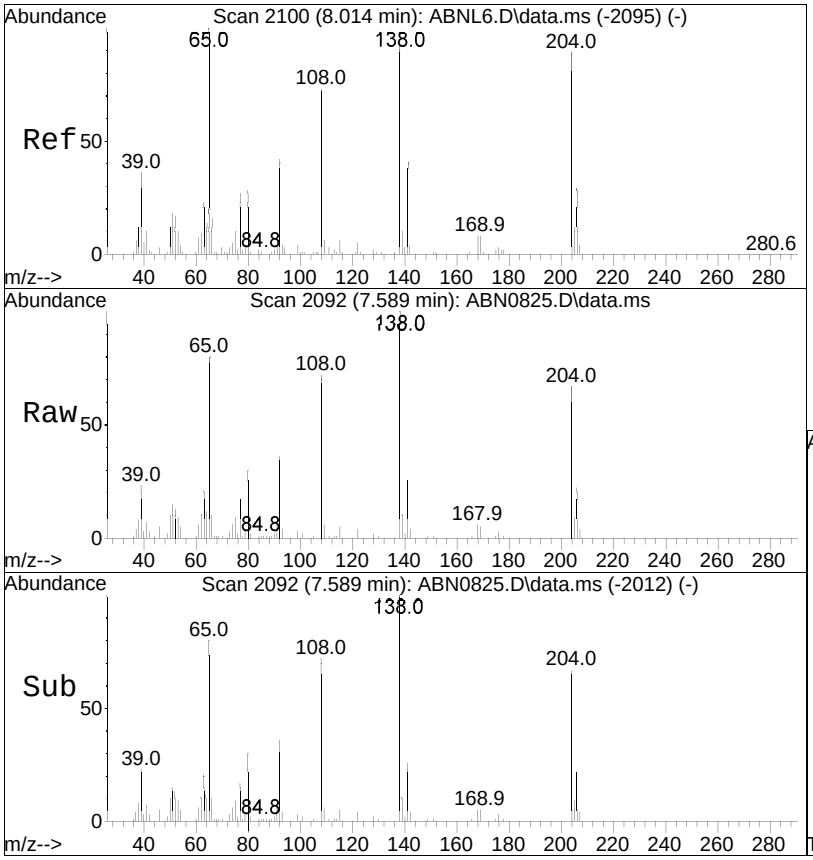


#74
4-Chlorophenyl phenyl ether
Concen: 4.54 ug/ml
RT: 7.583 min Scan# 2090
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:204 Resp: 42645

Ion	Ratio	Lower	Upper
204	100		
206	31.1	25.8	38.6
141	46.8	53.6	80.4#

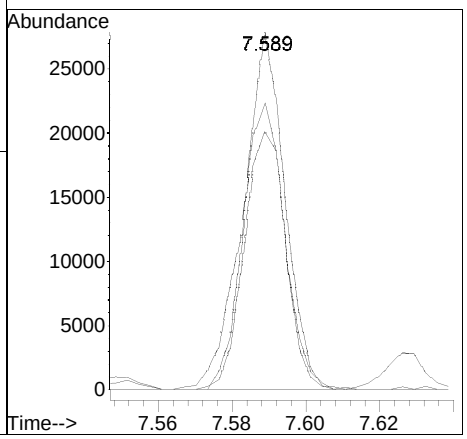


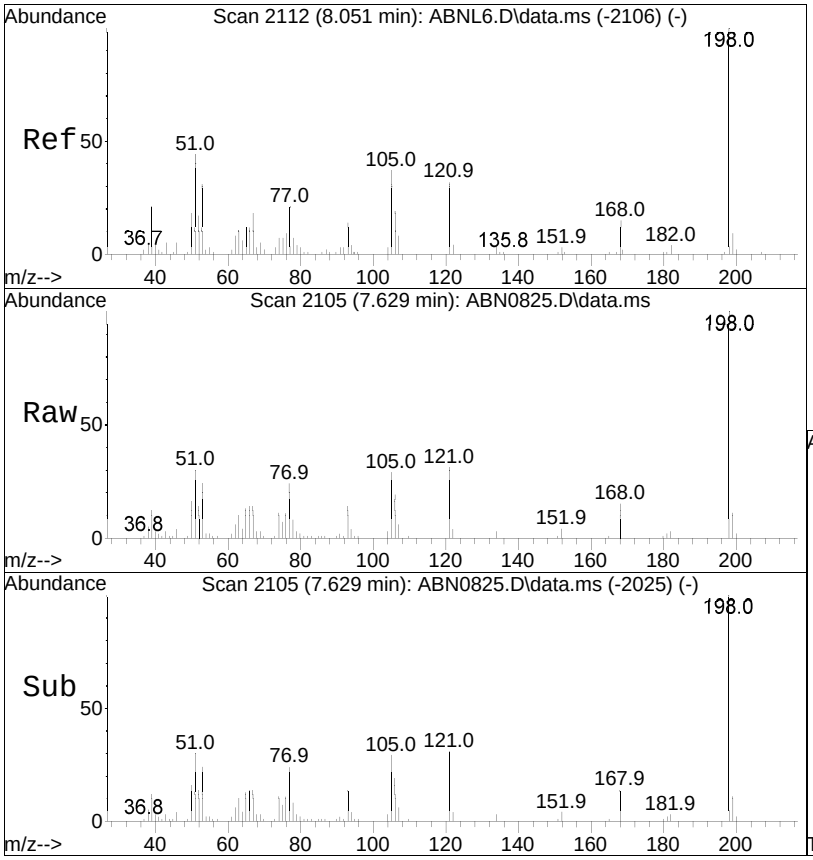


#75
4-Nitroaniline
Concen: 5.45 ug/ml
RT: 7.589 min Scan# 2092
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:138 Resp: 20307

Ion	Ratio	Lower	Upper
138	100		
108	78.4	52.1	78.1#
65	92.2	115.0	172.6#

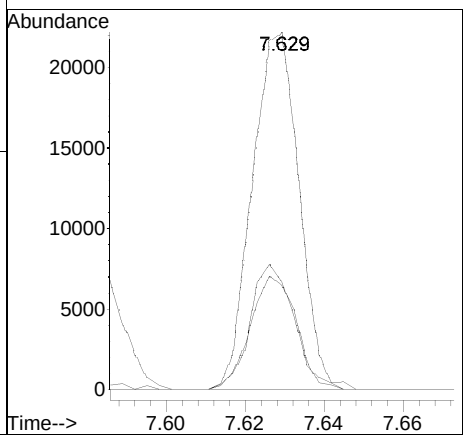


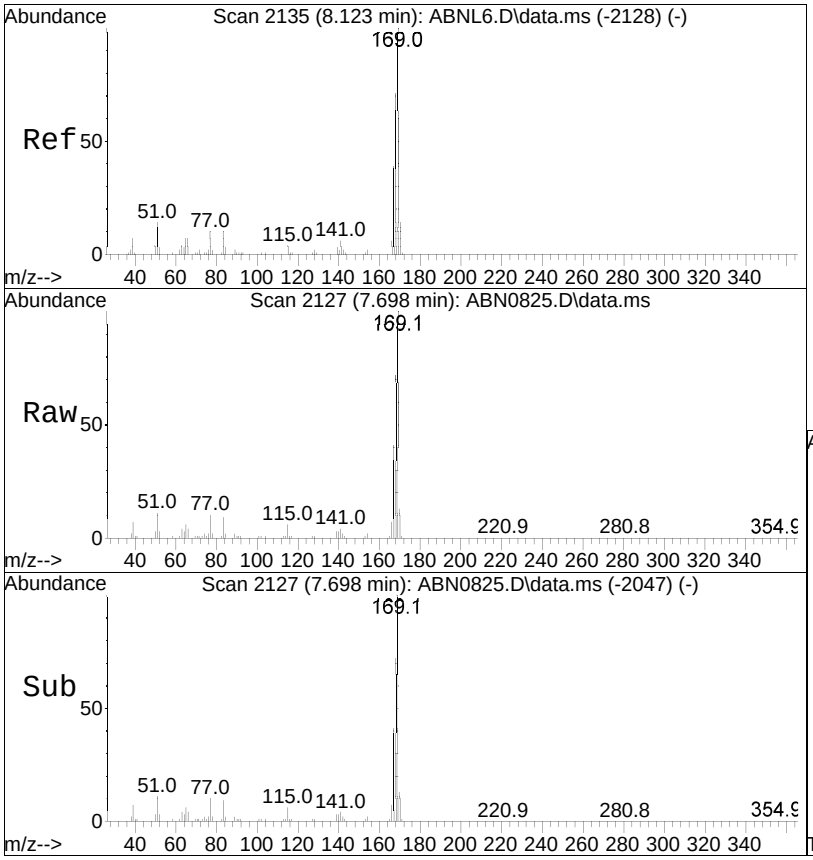


#76
4,6-Dinitro-o-cresol
Concen: 5.58 ug/ml
RT: 7.629 min Scan# 2105
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:198 Resp: 18111

Ion	Ratio	Lower	Upper
198	100		
51	33.1	76.0	114.0#
105	31.4	45.6	68.4#

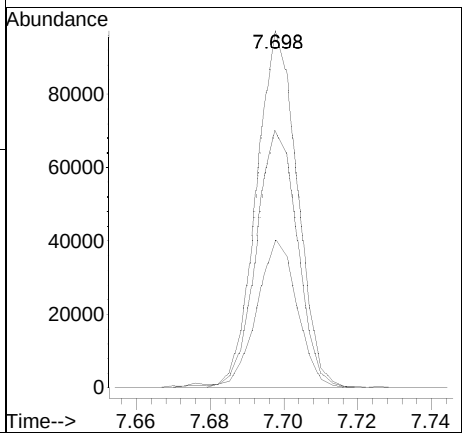


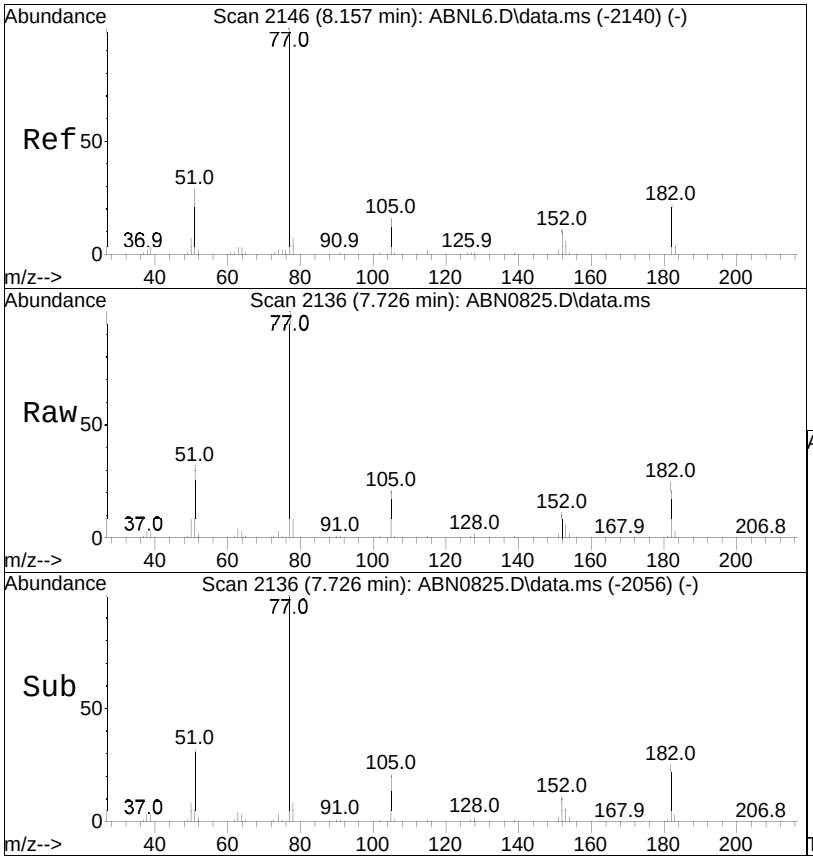


#77
NDPA/DPA
Concen: 4.71 ug/ml
RT: 7.698 min Scan# 2127
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:169 Resp: 74584

Ion	Ratio	Lower	Upper
169	100		
168	73.3	54.0	81.0
167	41.4	28.6	42.8

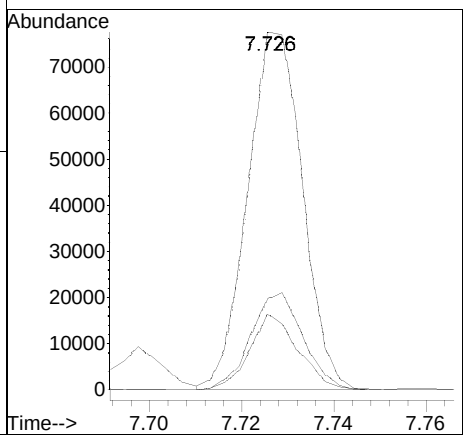


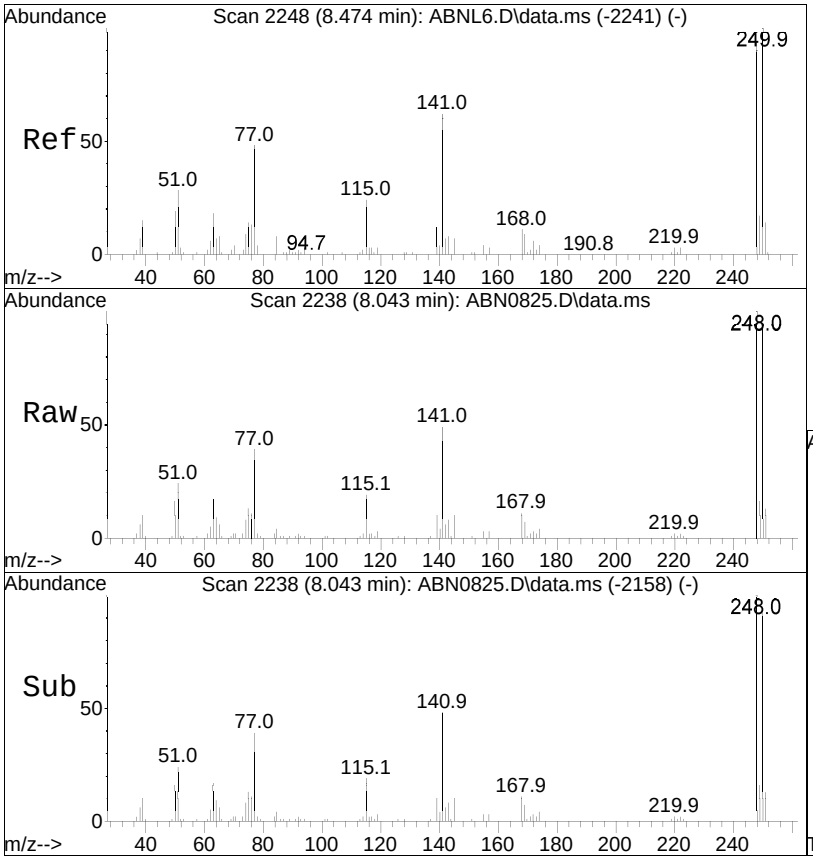


#78
Azobenzene
Concen: 3.99 ug/ml
RT: 7.726 min Scan# 2136
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion: 77 Resp: 63611

Ion	Ratio	Lower	Upper
77	100		
182	26.0	17.4	26.2
105	18.9	15.4	23.2

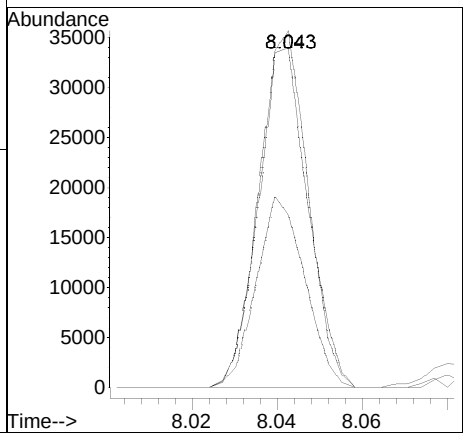


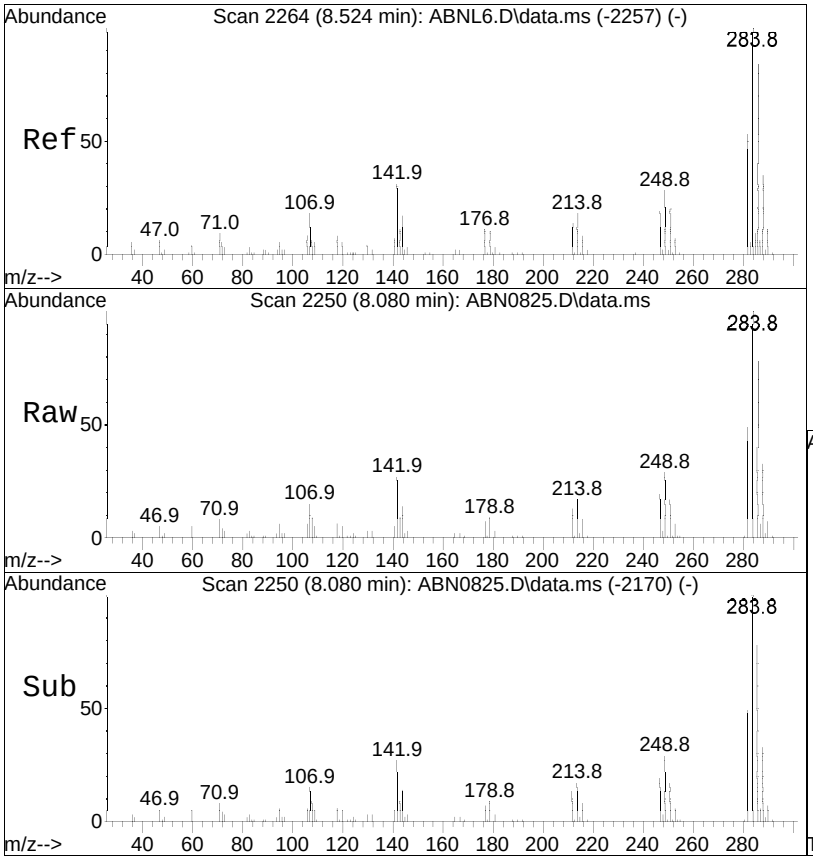


#80
4-Bromophenyl phenyl ether
Concen: 4.57 ug/ml
RT: 8.043 min Scan# 2238
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:248 Resp: 28558

Ion	Ratio	Lower	Upper
248	100		
141	52.8	76.6	114.8#
250	94.5	77.3	115.9

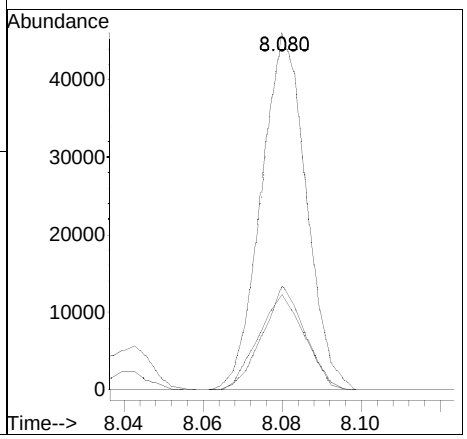


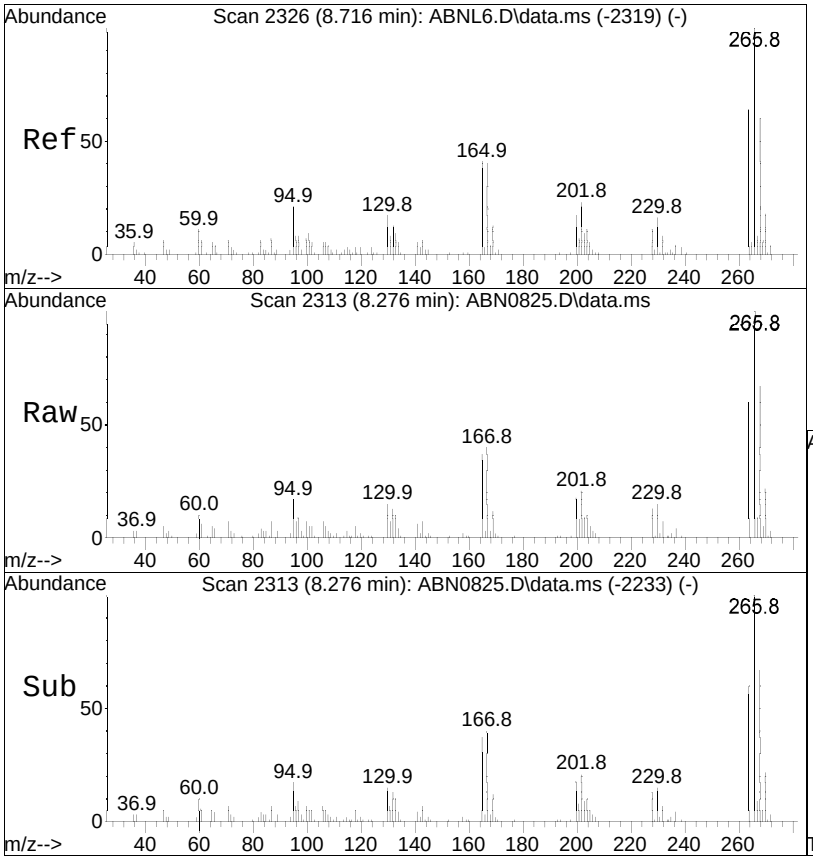


#81
Hexachlorobenzene
Concen: 4.67 ug/ml
RT: 8.080 min Scan# 2250
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:284 Resp: 36266

Ion	Ratio	Lower	Upper
284	100		
142	27.6	41.9	62.9#
249	27.6	24.1	36.1

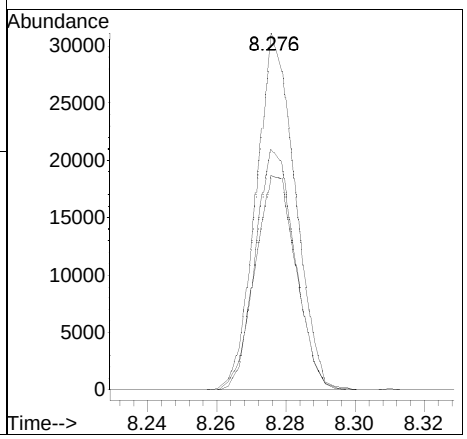


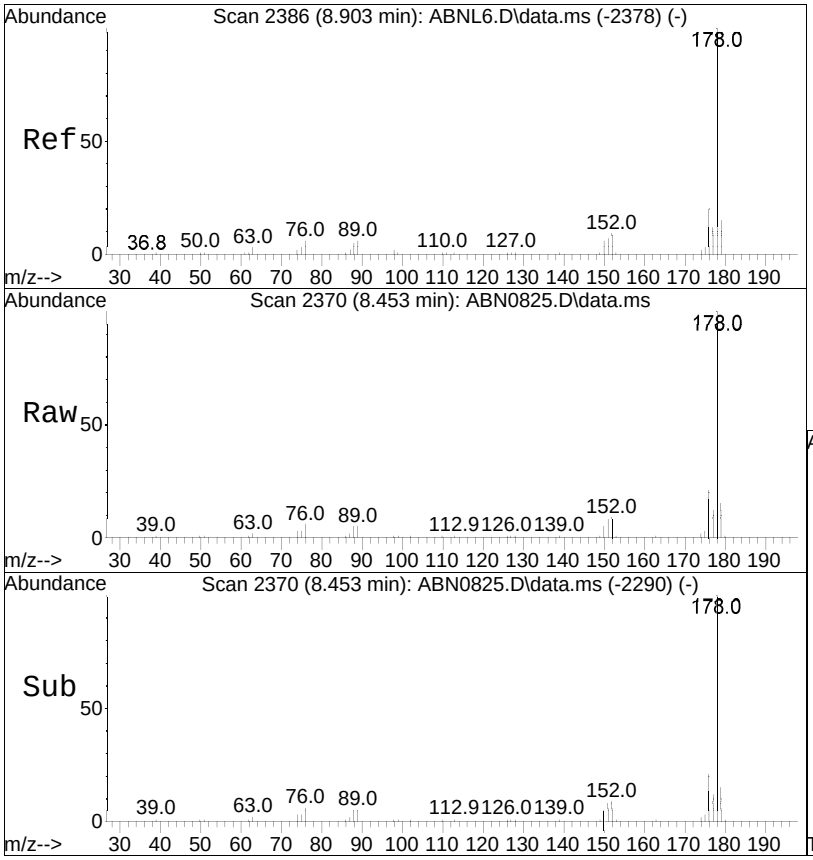


#82
Pentachlorophenol
Concen: 5.20 ug/ml
RT: 8.276 min Scan# 2313
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:266 Resp: 24429

Ion	Ratio	Lower	Upper
266	100		
264	63.4	49.7	74.5
268	68.6	50.5	75.7

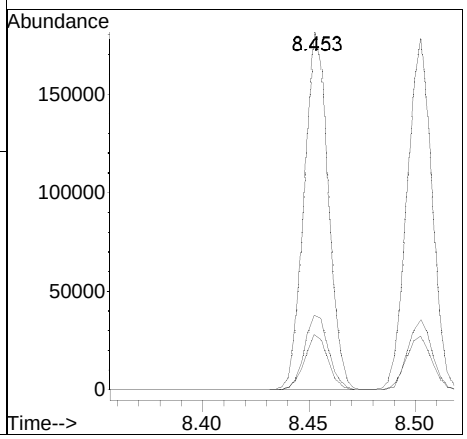


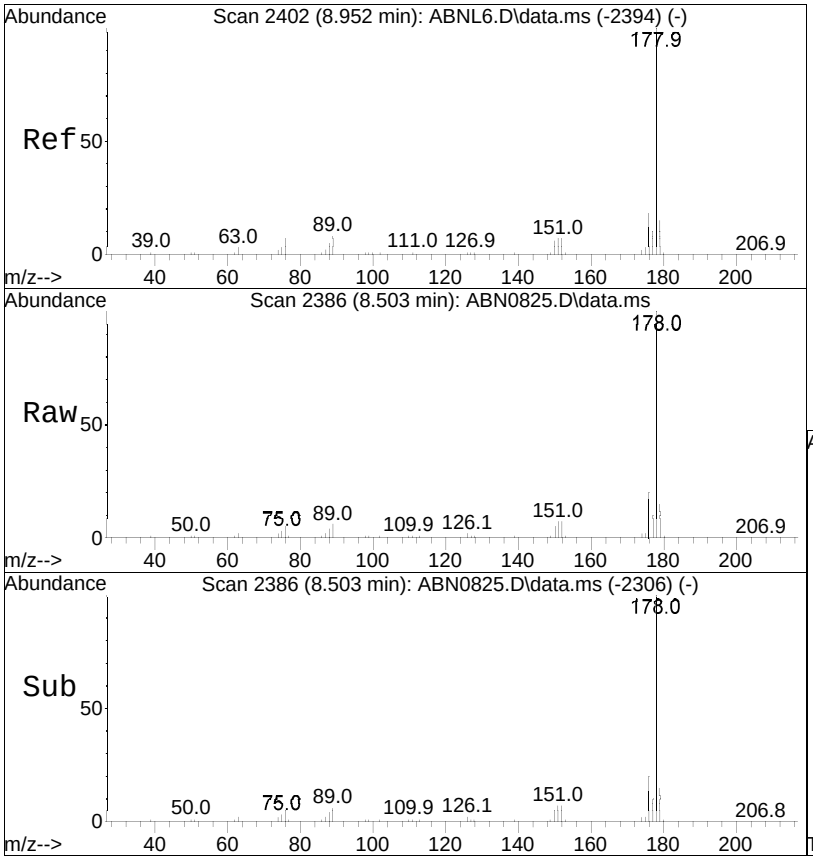


#89
Phenanthrene
Concen: 4.28 ug/ml M3
RT: 8.453 min Scan# 2370
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:178 Resp: 143599

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	20.6	15.4	23.2

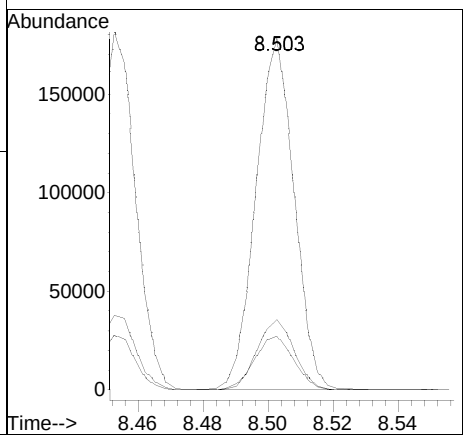


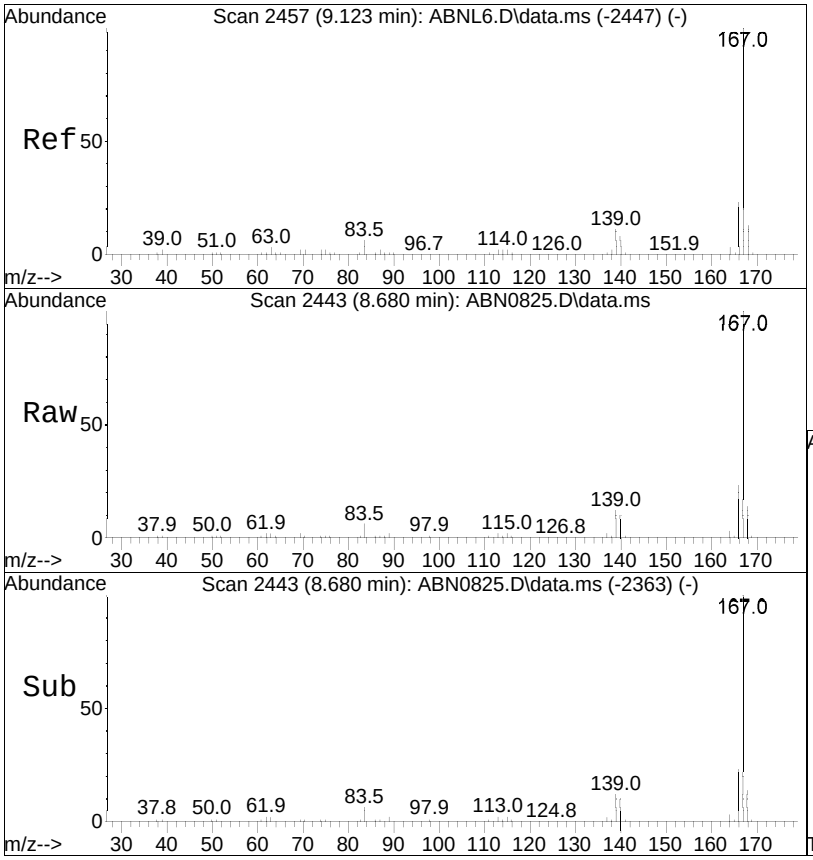


#90
Anthracene
Concen: 4.48 ug/ml
RT: 8.503 min Scan# 2386
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:178 Resp: 144965

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	19.7	14.6	22.0

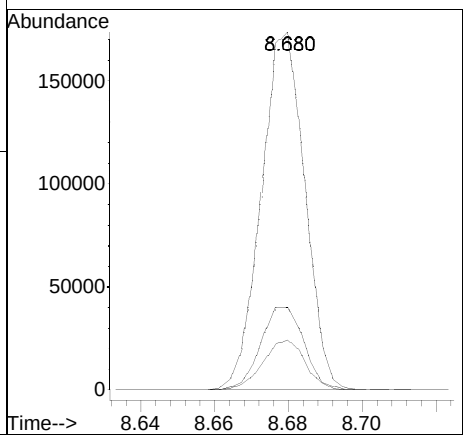


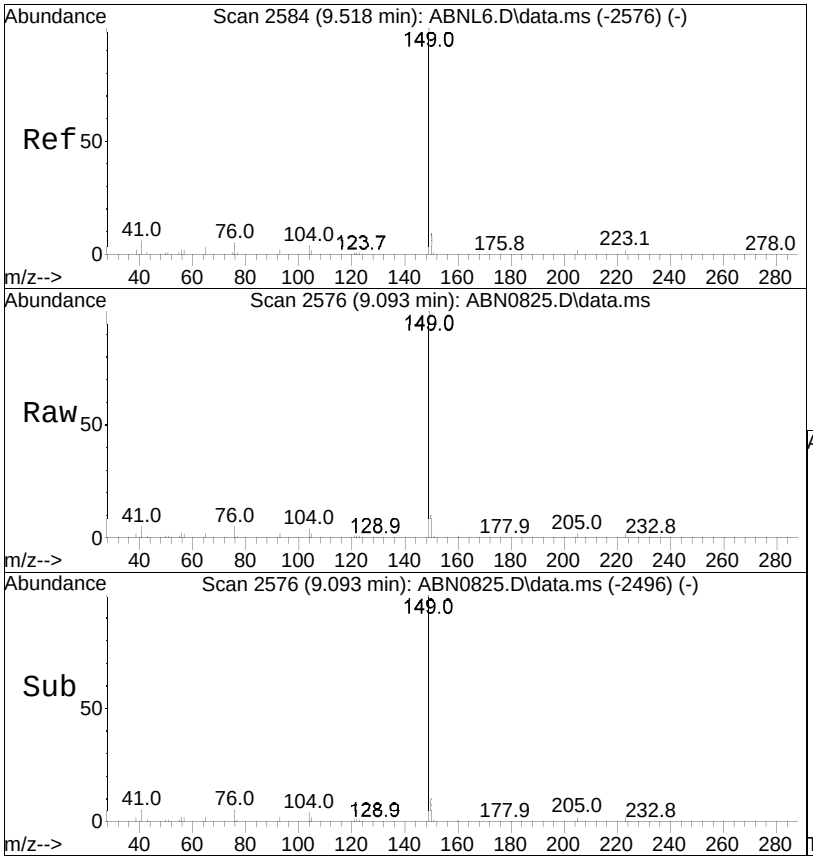


#91
Carbazole
Concen: 4.60 ug/ml
RT: 8.680 min Scan# 2443
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:167 Resp: 141066

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	23.1	17.4	26.0

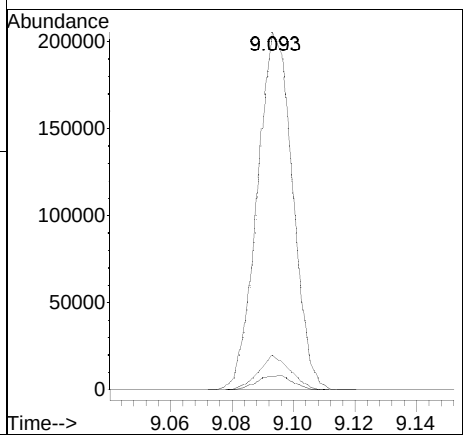


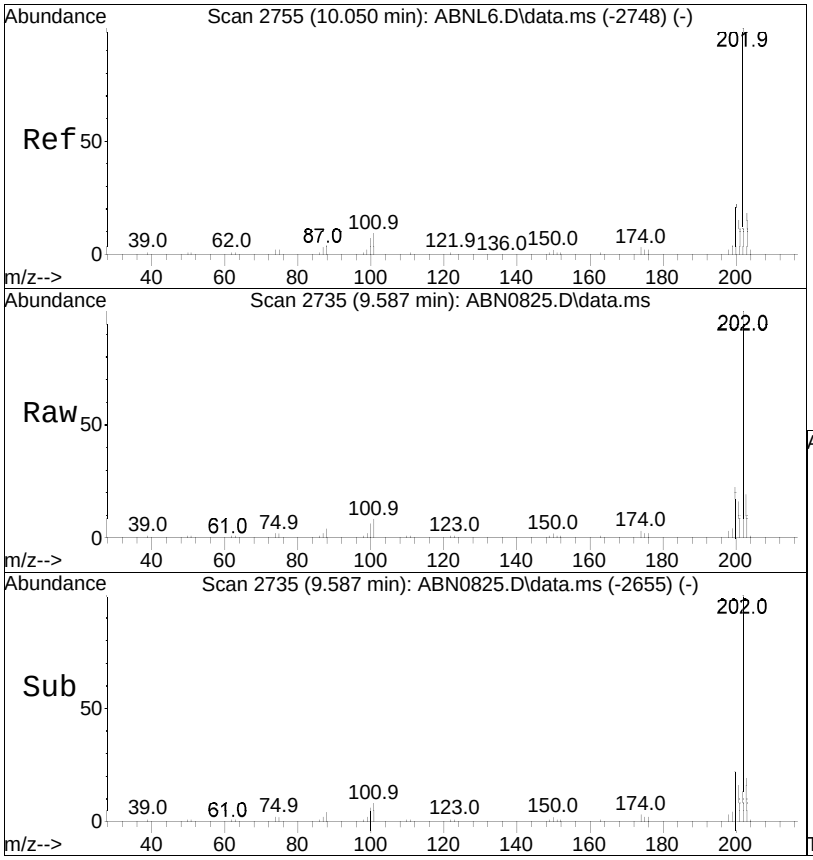


#92
Di-n-butylphthalate
Concen: 4.59 ug/ml
RT: 9.093 min Scan# 2576
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:149 Resp: 161841

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.2	4.5	6.7#

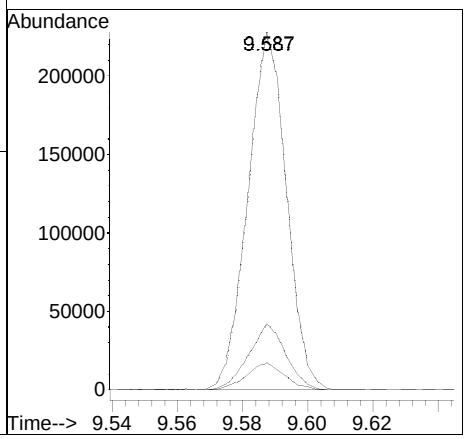


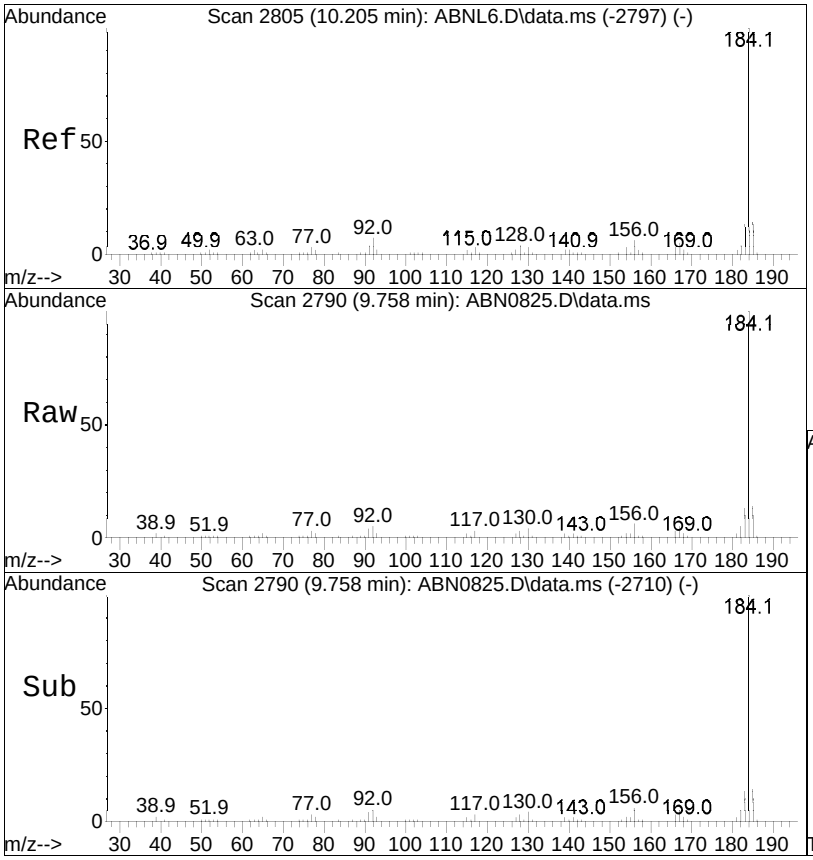


#93
Fluoranthene
Concen: 4.53 ug/ml
RT: 9.587 min Scan# 2735
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:202 Resp: 185328

Ion	Ratio	Lower	Upper
202	100		
101	7.5	13.5	20.3#
203	17.9	13.6	20.4

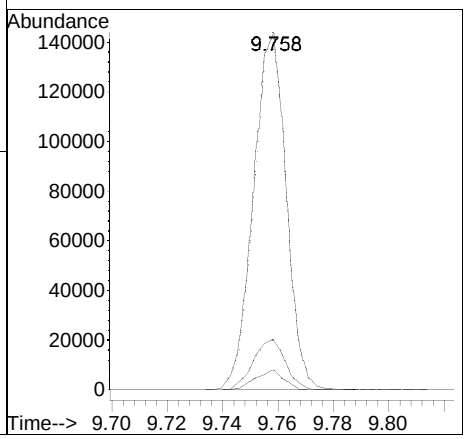


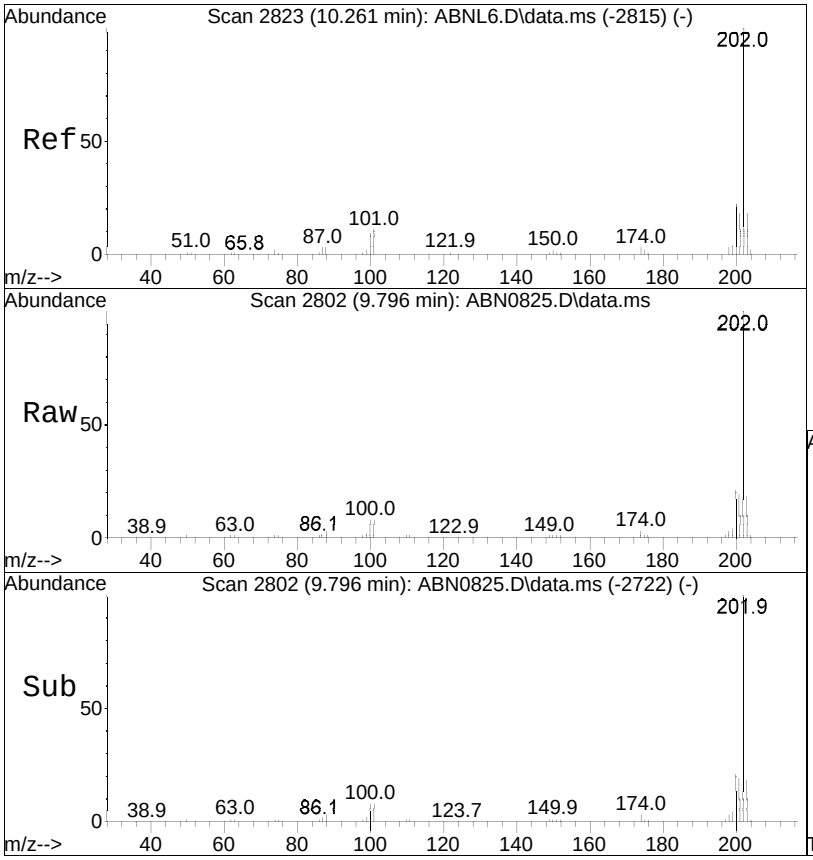


#94
Benzidine
Concen: 5.12 ug/ml
RT: 9.758 min Scan# 2790
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:184 Resp: 116642

Ion	Ratio	Lower	Upper
184	100		
92	4.8	9.1	13.7#
185	14.0	11.1	16.7

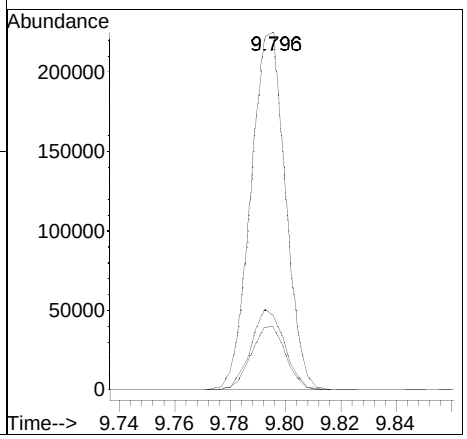


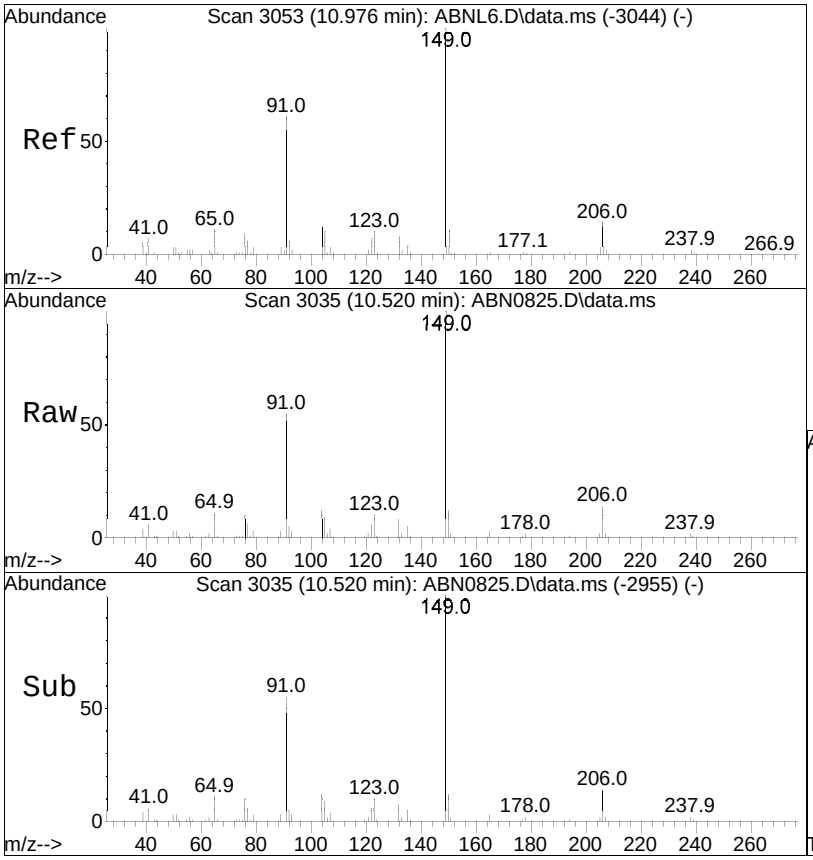


#95
Pyrene
Concen: 4.60 ug/ml
RT: 9.796 min Scan# 2802
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:202 Resp: 193759

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.7	25.1
203	17.9	14.2	21.4

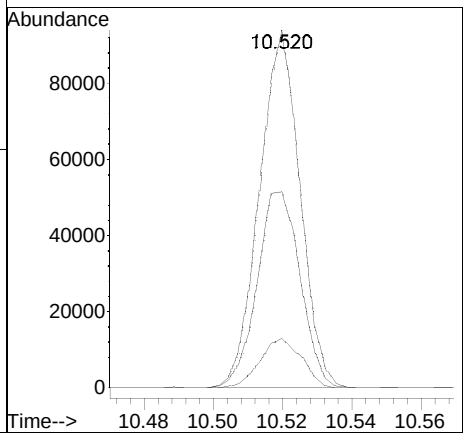


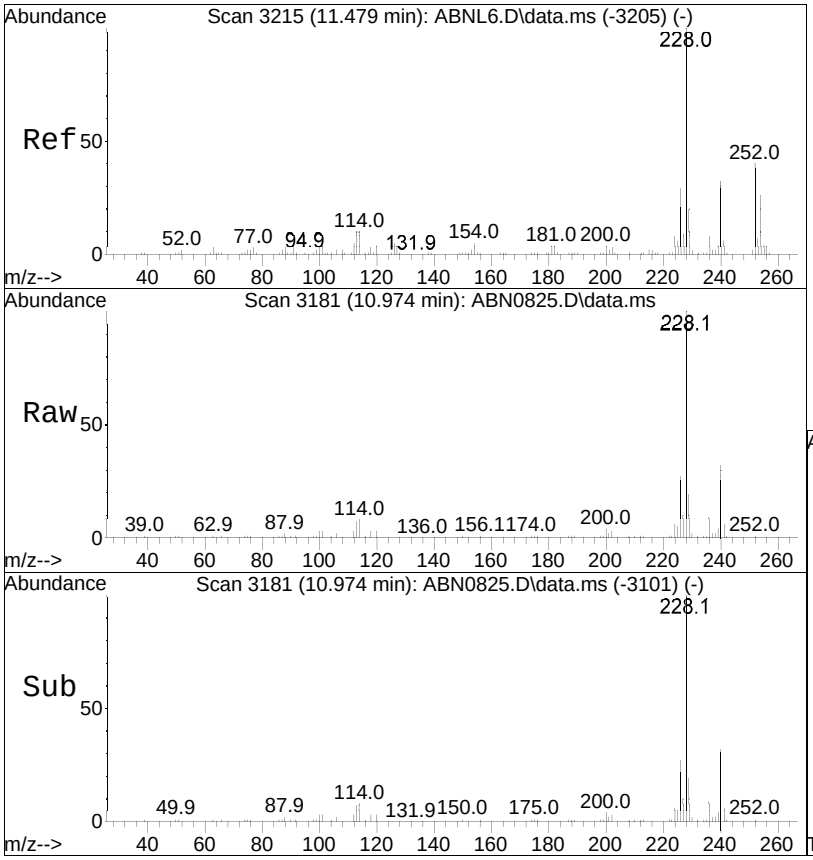


#97
Butyl benzyl phthalate
Concen: 4.78 ug/ml
RT: 10.520 min Scan# 3035
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:149 Resp: 75659

Ion	Ratio	Lower	Upper
149	100		
91	58.5	63.3	94.9#
206	14.3	13.9	20.9

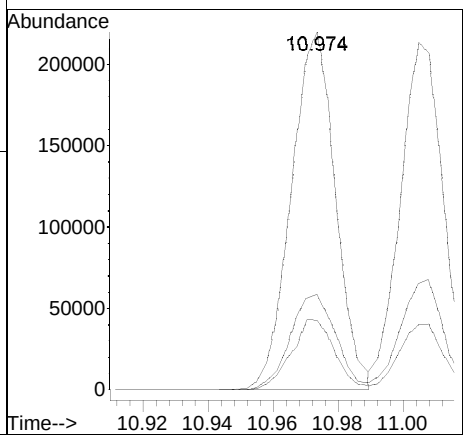


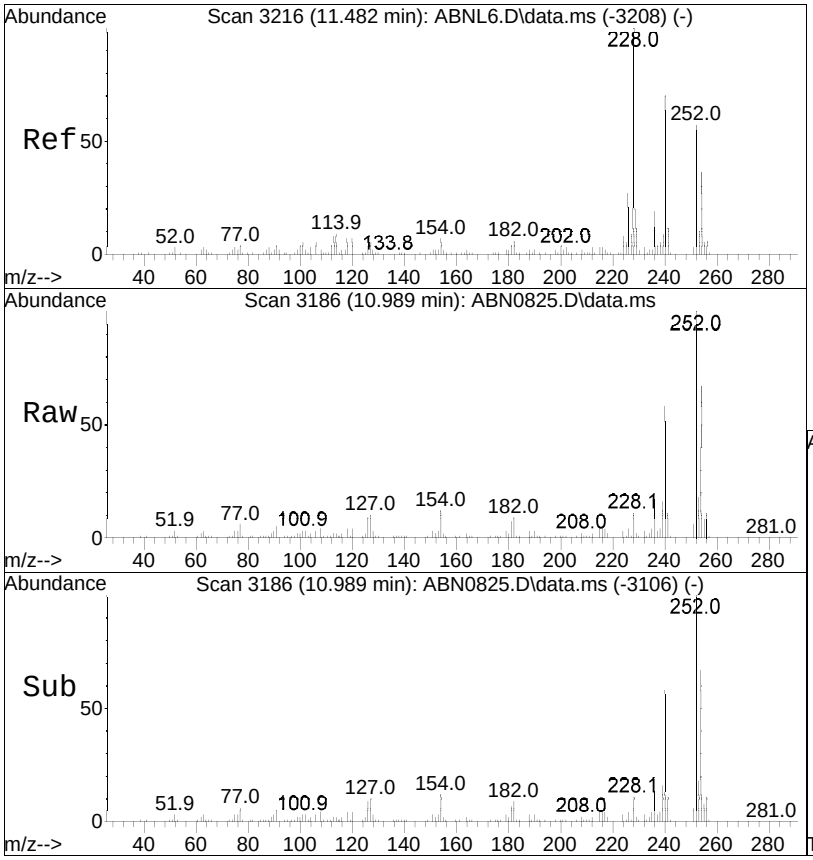


#105
Benzo(a)anthracene
Concen: 4.42 ug/ml M3
RT: 10.974 min Scan# 3181
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:228 Resp: 206841

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.3	15.6	23.4

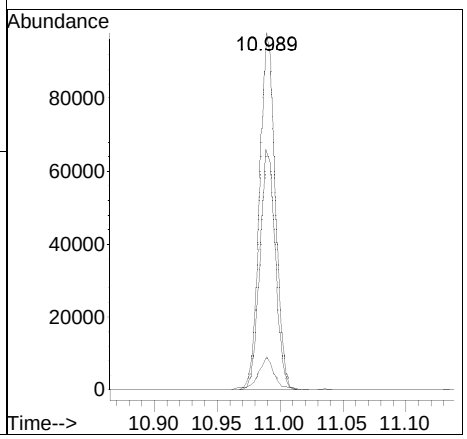


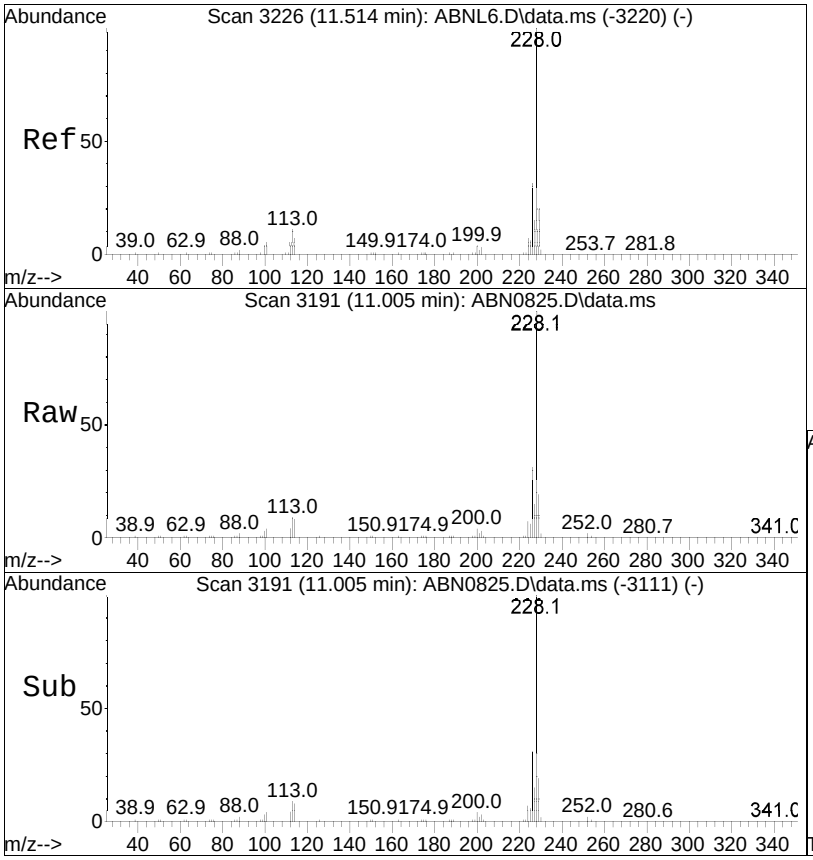


#106
3,3'-Dichlorobenzidine
Concen: 4.87 ug/ml M2
RT: 10.989 min Scan# 3186
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:252 Resp: 84395

Ion	Ratio	Lower	Upper
252	100		
126	9.9	14.5	21.7#
254	66.6	51.2	76.8

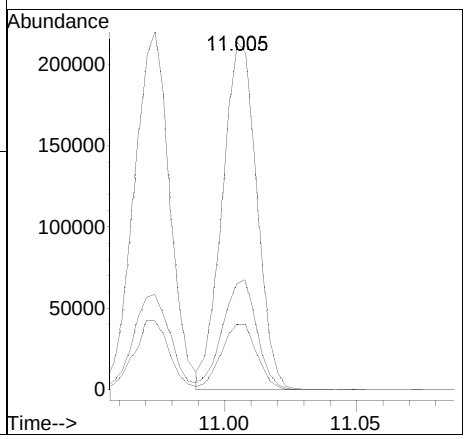


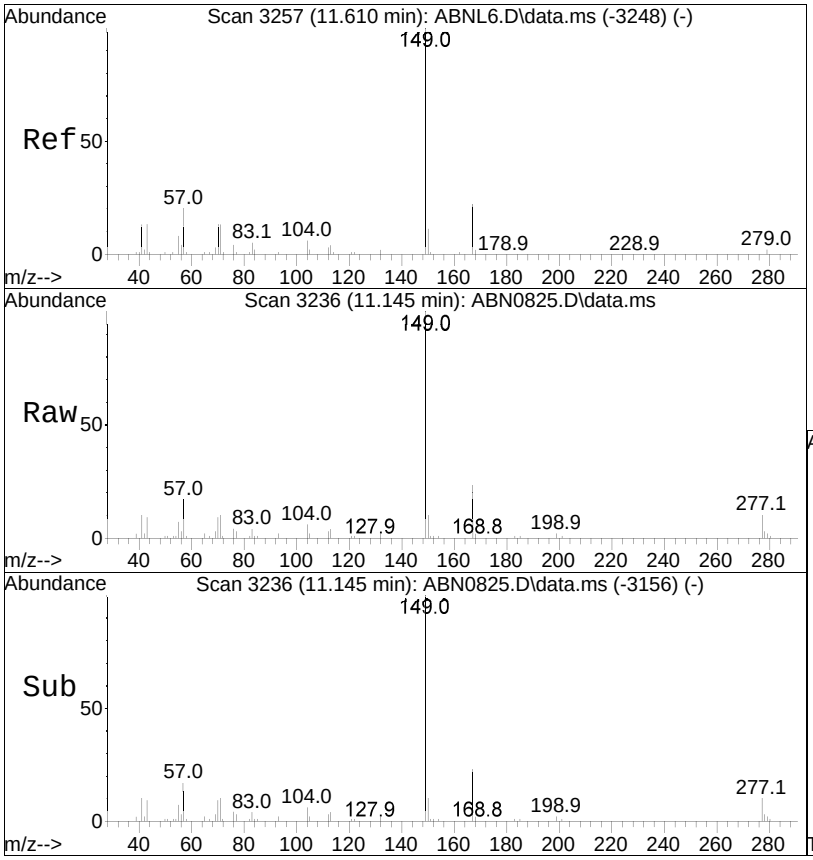


#107
Chrysene
Concen: 4.38 ug/ml
RT: 11.005 min Scan# 3191
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:228 Resp: 194257

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.0	36.0
229	19.4	15.8	23.8

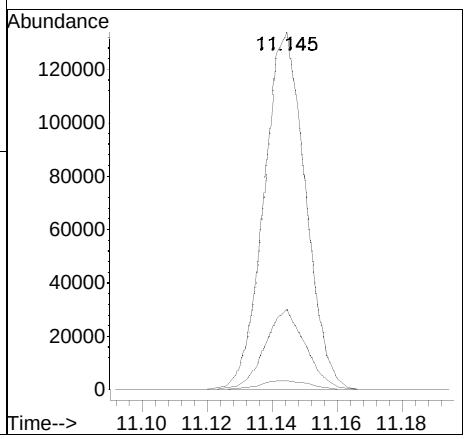


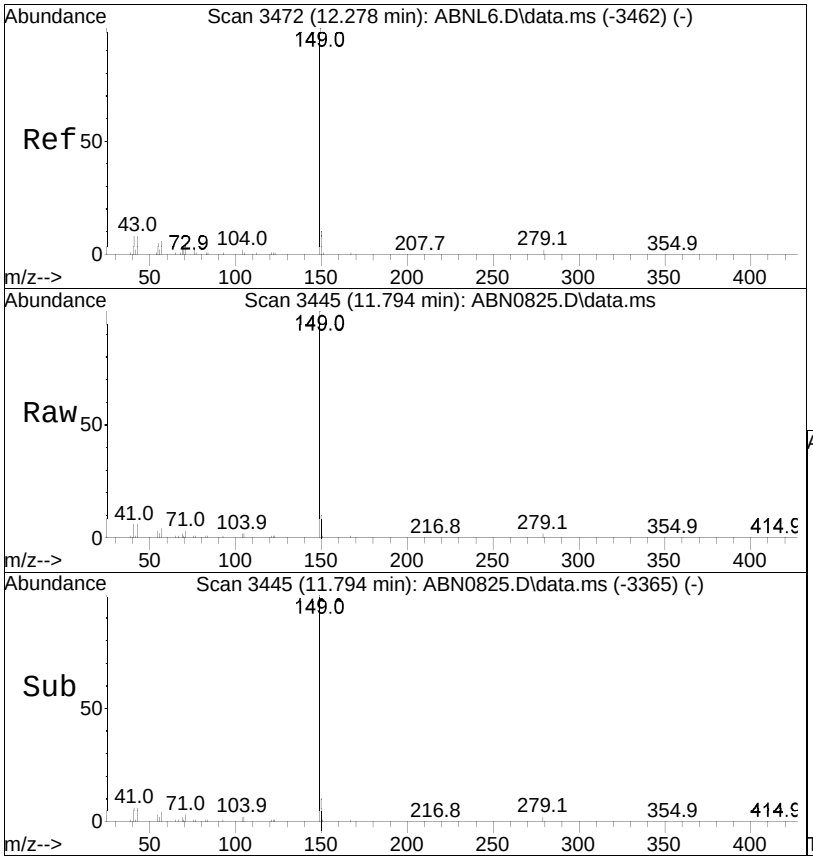


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.46 ug/ml
RT: 11.145 min Scan# 3236
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:149 Resp: 117185

Ion	Ratio	Lower	Upper
149	100		
167	22.1	22.1	33.1
279	2.7	3.0	4.4#

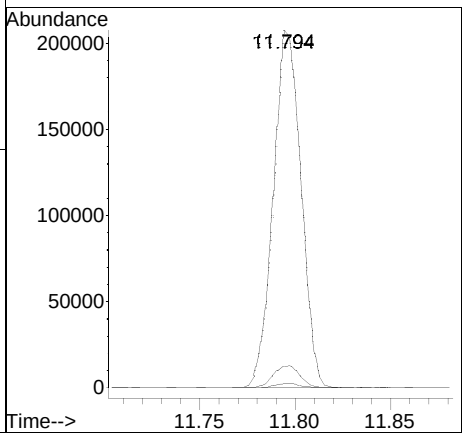


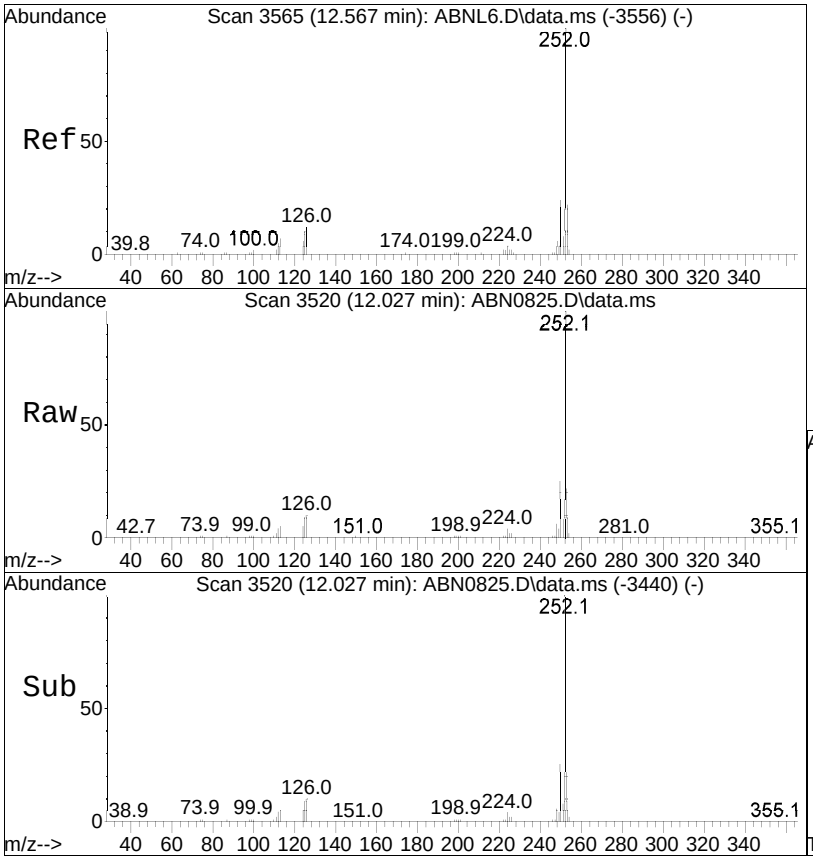


#109
Di-n-octylphthalate
Concen: 4.70 ug/ml M2
RT: 11.794 min Scan# 3445
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:149 Resp: 206093

Ion	Ratio	Lower	Upper
149	100		
43	6.2	18.8	28.2#
167	1.3	1.3	1.9

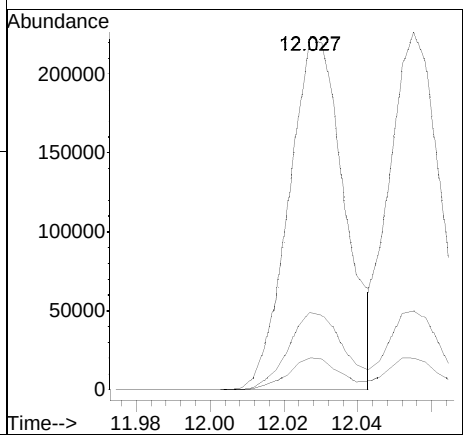


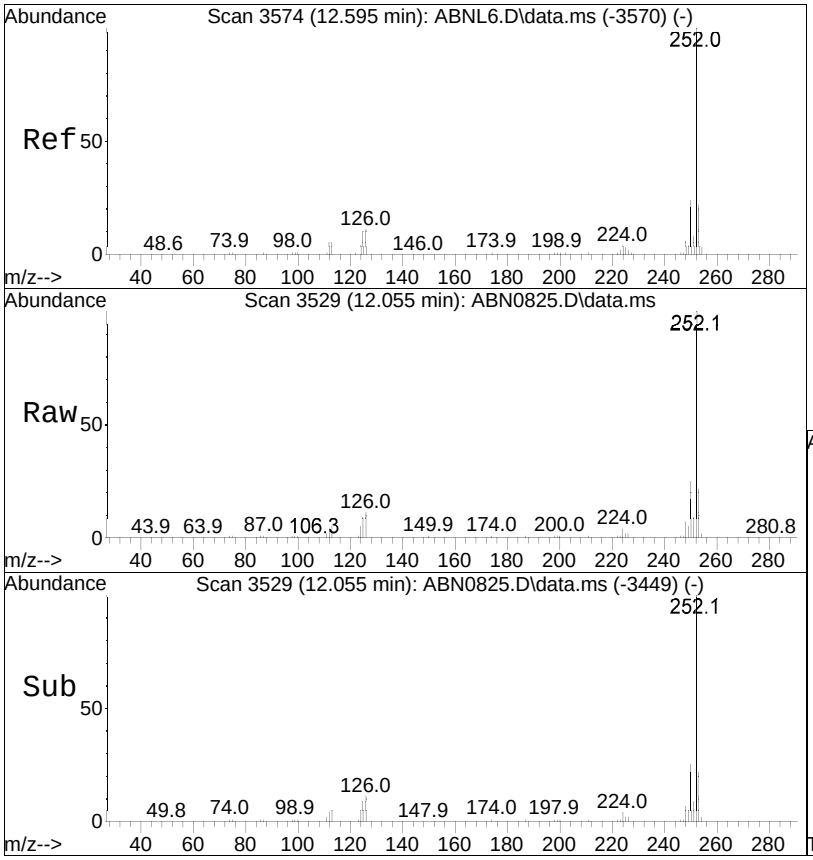


#110
Benzo(b)fluoranthene
Concen: 4.70 ug/ml M3
RT: 12.027 min Scan# 3520
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:252 Resp: 234774

Ion	Ratio	Lower	Upper
252	100		
125	8.3	13.3	19.9#
253	21.9	17.1	25.7

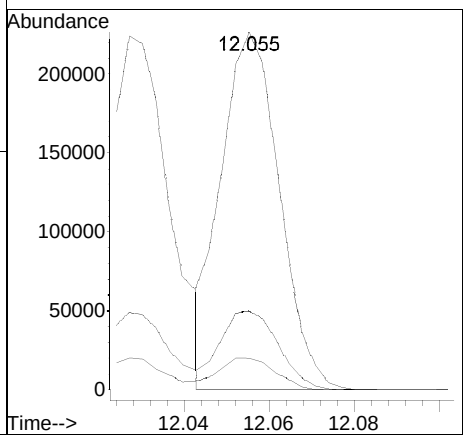


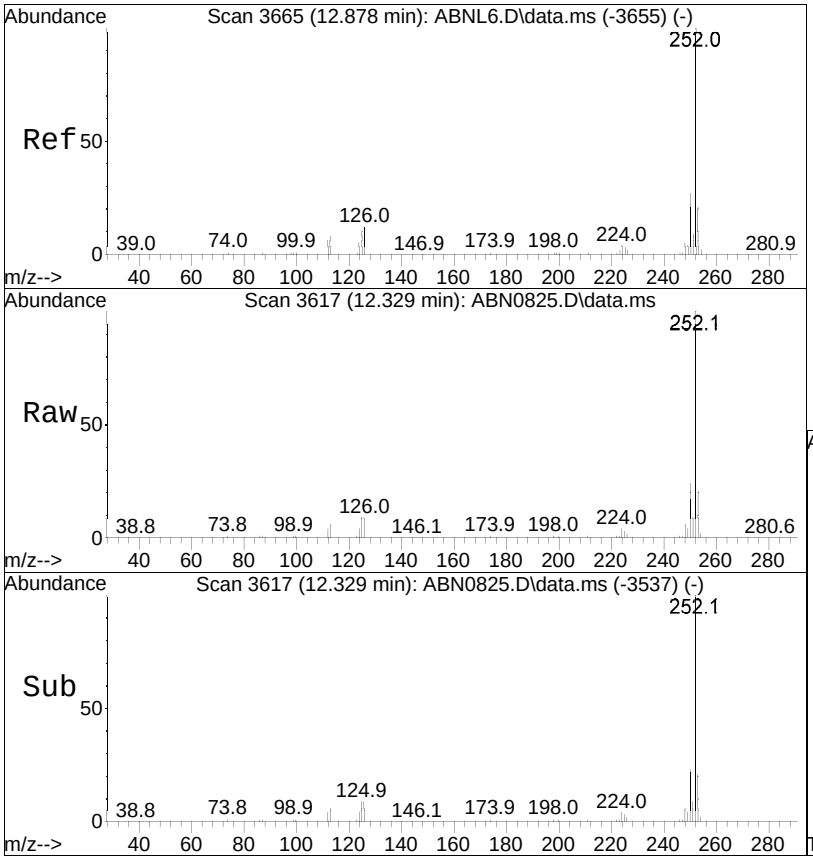


#111
Benzo(k)fluoranthene
Concen: 4.53 ug/ml
RT: 12.055 min Scan# 3529
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:252 Resp: 215032

Ion	Ratio	Lower	Upper
252	100		
125	9.2	13.0	19.6#
253	22.1	16.8	25.2

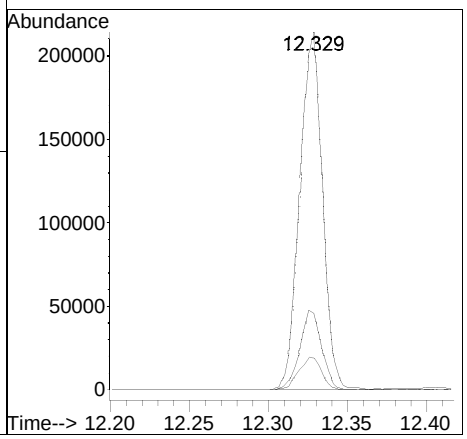


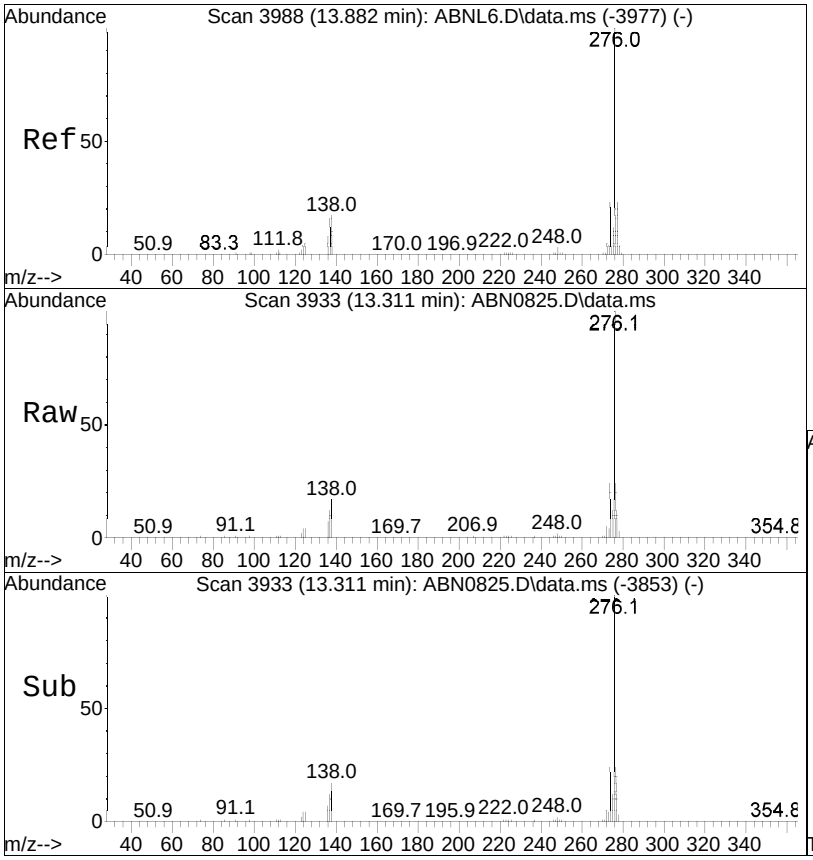


#112
Benzo(a)pyrene
Concen: 4.78 ug/ml M2
RT: 12.329 min Scan# 3617
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:252 Resp: 211261

Ion	Ratio	Lower	Upper
252	100		
125	9.3	14.2	21.2#
253	21.7	16.9	25.3

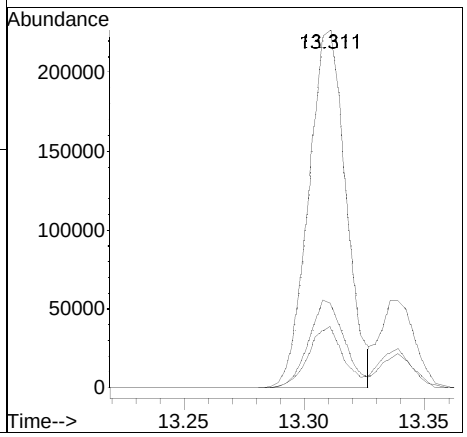


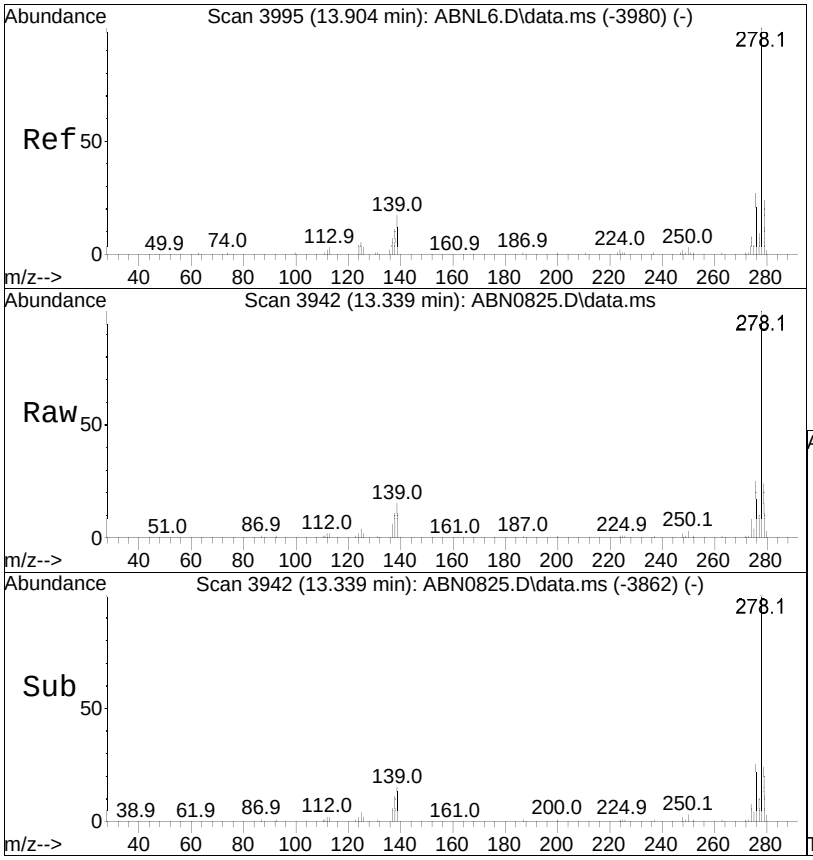


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.45 ug/mL M3
RT: 13.311 min Scan# 3933
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:276 Resp: 243034

Ion	Ratio	Lower	Upper
276	100		
138	16.2	25.1	37.7#
277	23.8	18.6	28.0

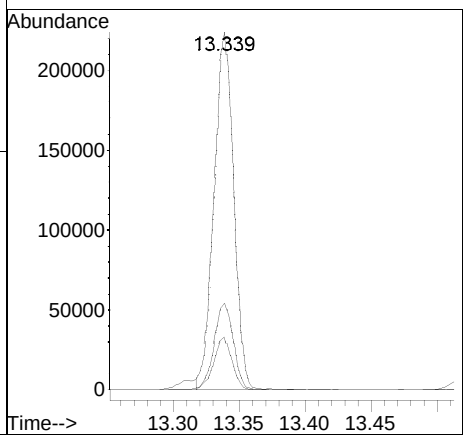


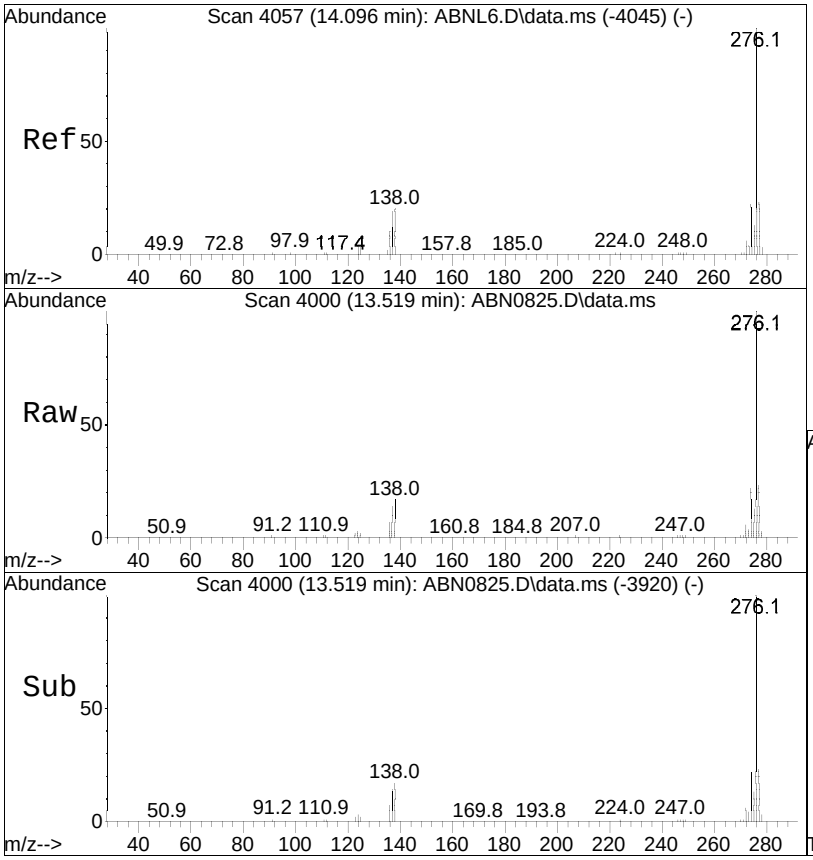


#115
Dibenzo(a,h)anthracene
Concen: 4.51 ug/ml M2
RT: 13.339 min Scan# 3942
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:278 Resp: 229501

Ion	Ratio	Lower	Upper
278	100		
139	13.8	20.8	31.2#
279	24.2	18.3	27.5

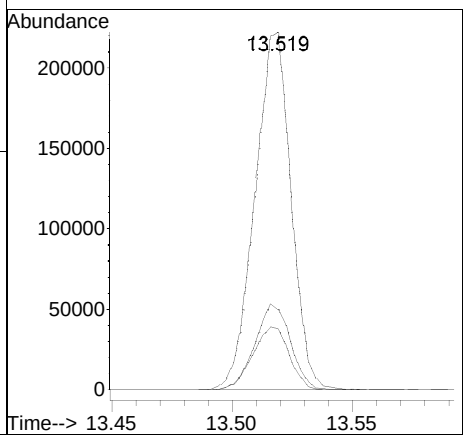




#116
Benzo(ghi)perylene
Concen: 4.59 ug/ml
RT: 13.519 min Scan# 4000
Delta R.T. 0.000 min
Lab File: ABN0825.D
Acq: 25 Aug 2024 8:51 pm

Tgt Ion:276 Resp: 229400

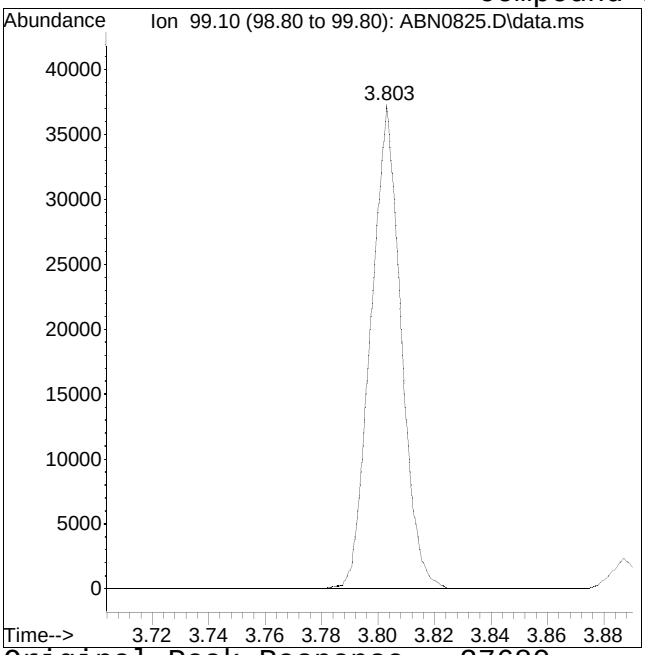
Ion	Ratio	Lower	Upper
276	100		
138	17.9	29.2	43.8#
277	23.9	18.8	28.2

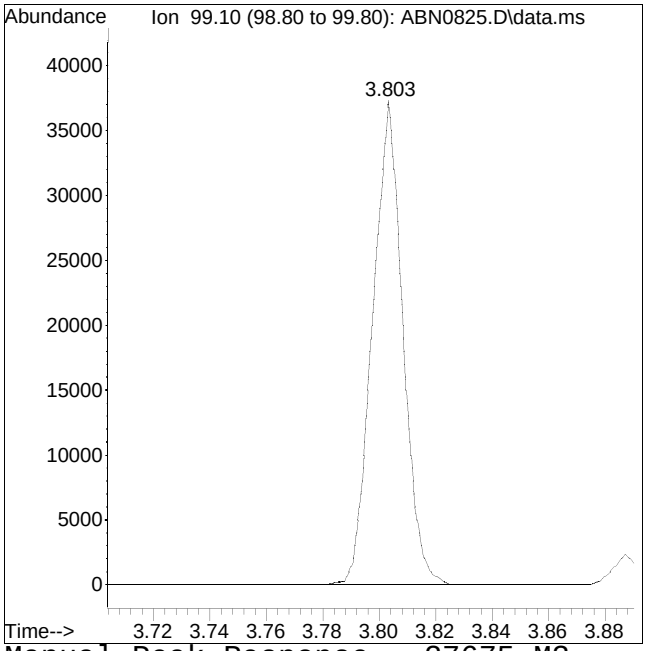


Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #7: Phenol-d6





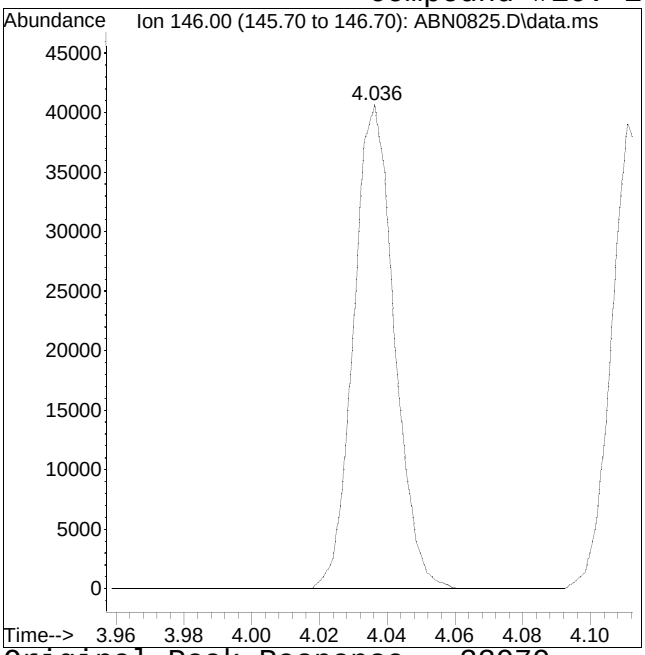
Original Peak Response = 27680 Manual Peak Response = 27675 M3

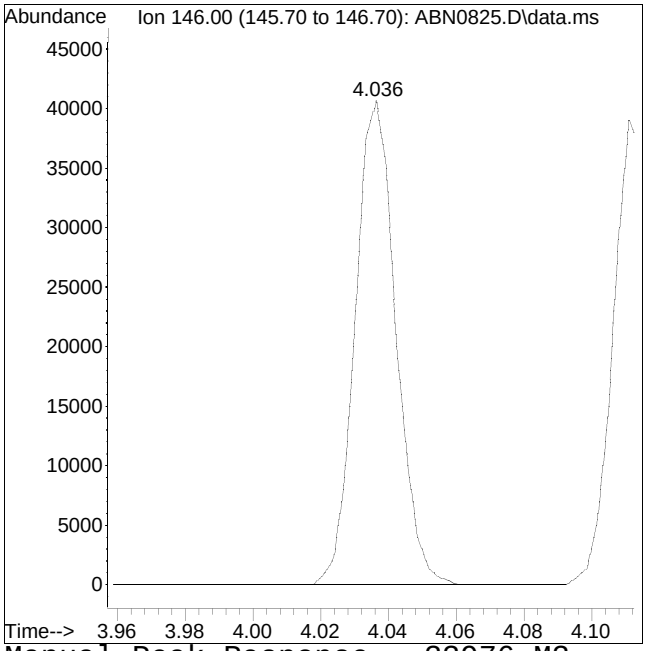
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #10: 1,3-Dichlorobenzene





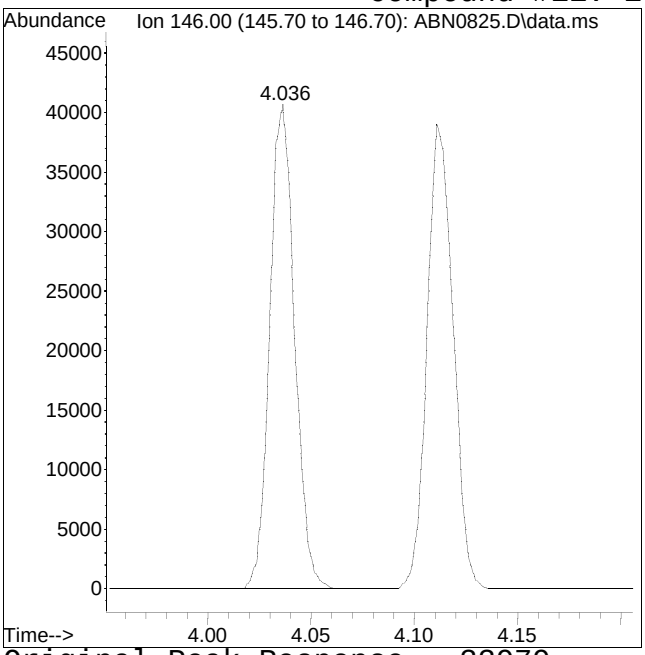
Original Peak Response = 33979 Manual Peak Response = 33976 M3

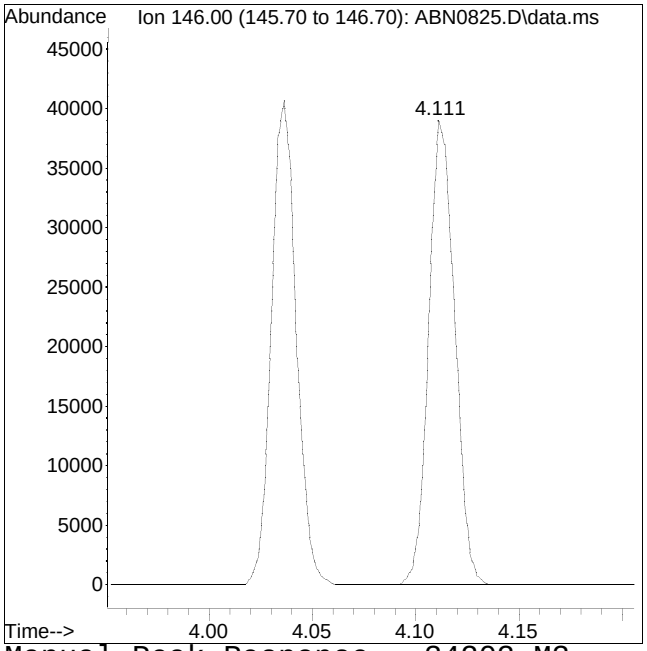
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #11: 1,4-Dichlorobenzene



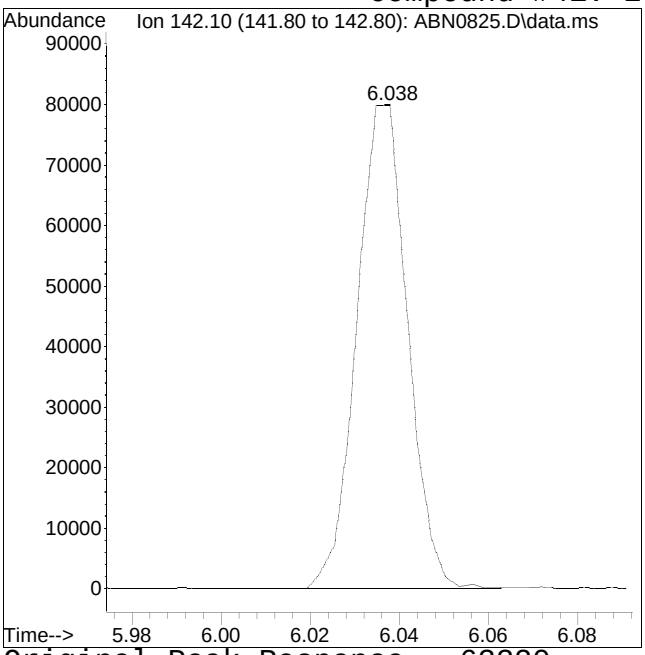


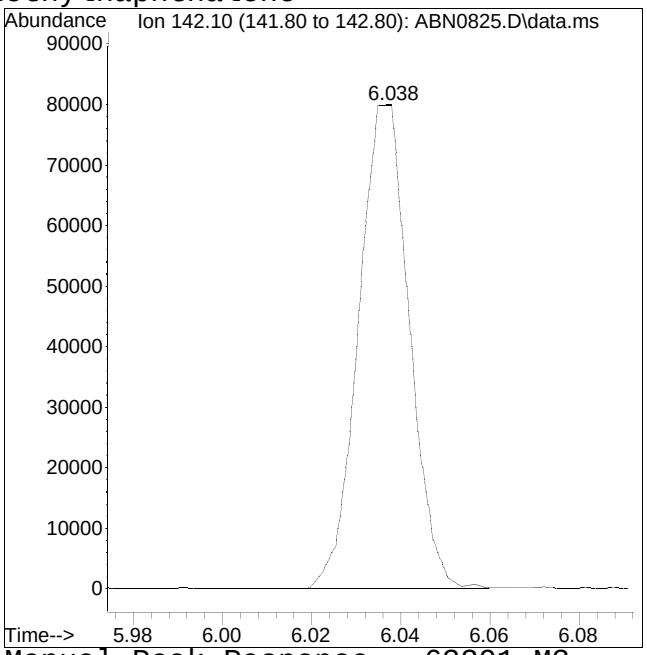
Original Peak Response = 33979 Manual Peak Response = 34203 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #41: 2-Methylnaphthalene



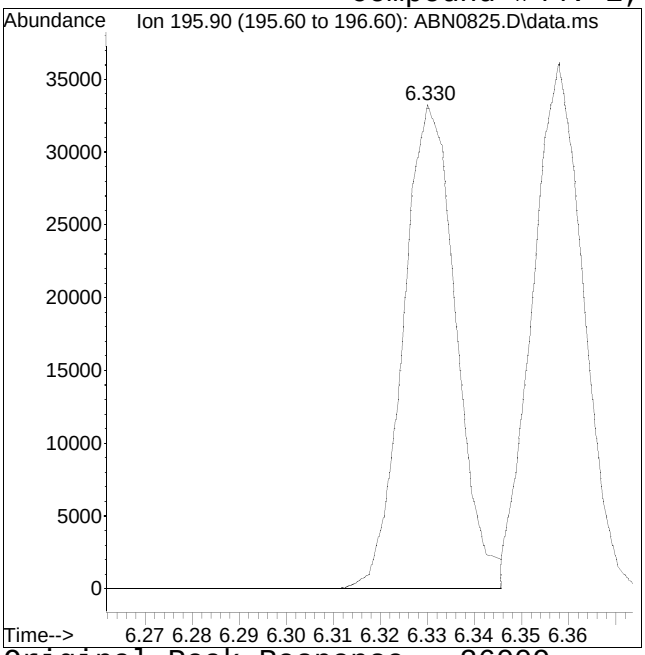


Original Peak Response = 63320 Manual Peak Response = 63291 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

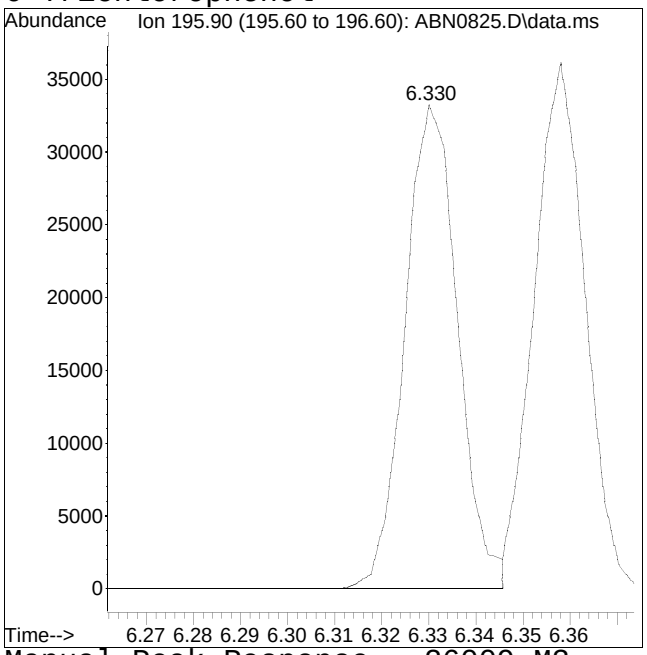
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 26009



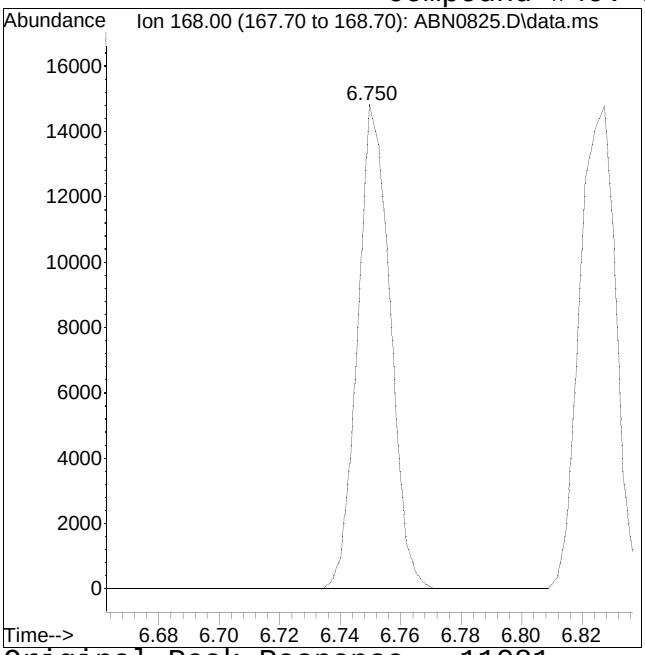
Manual Peak Response = 26009 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

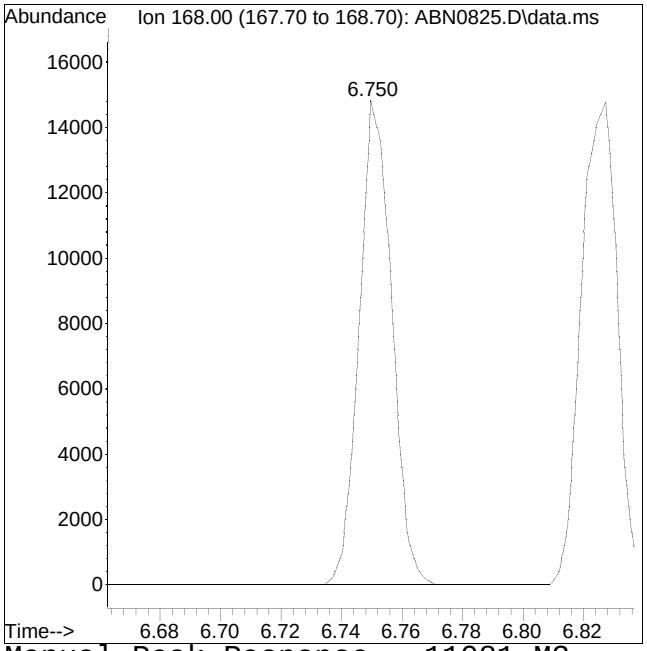
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 11081



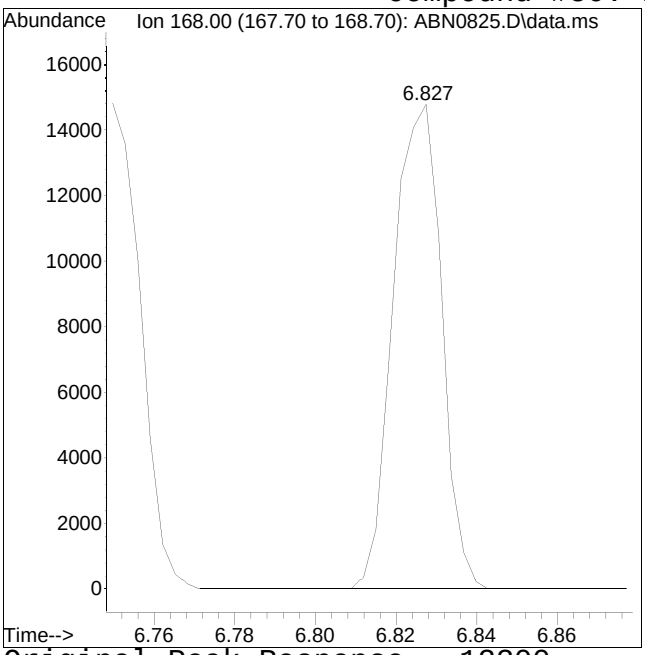
Manual Peak Response = 11081 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

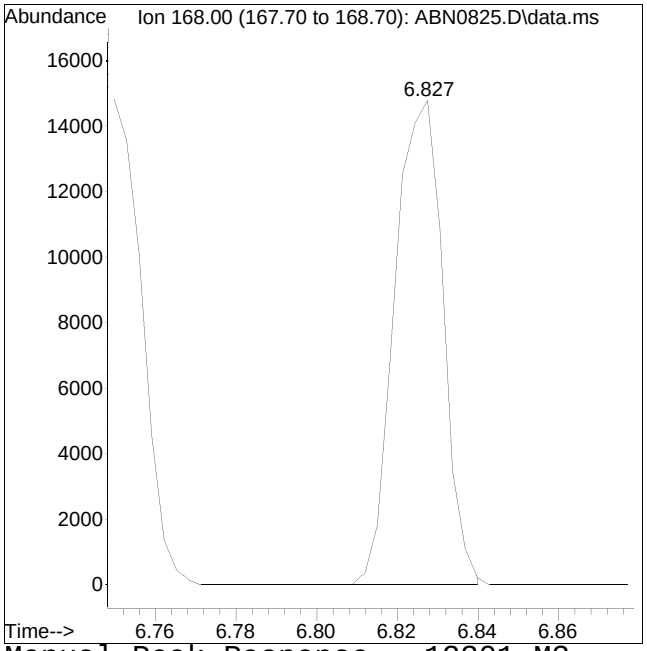
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 12300



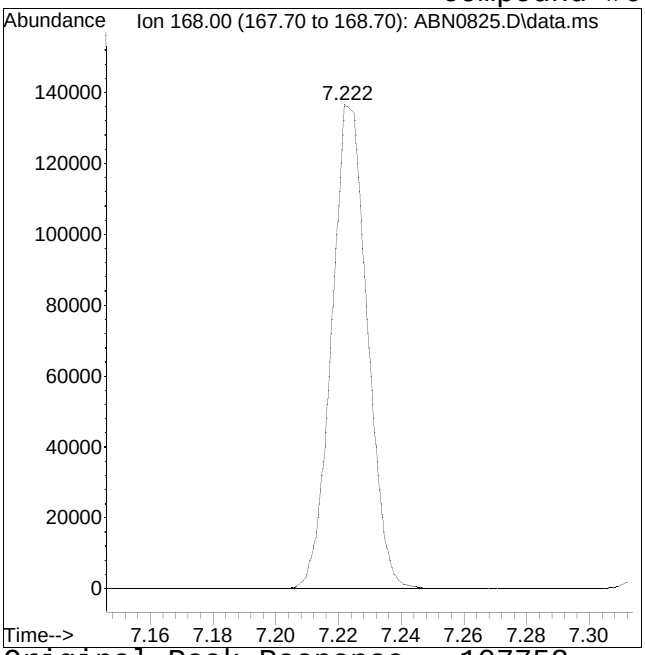
Manual Peak Response = 12301 M3

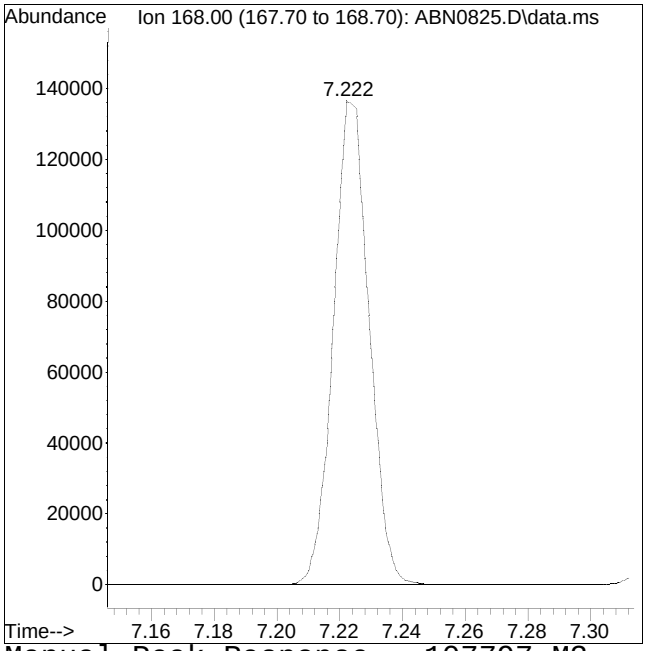
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #67: Dibenzofuran





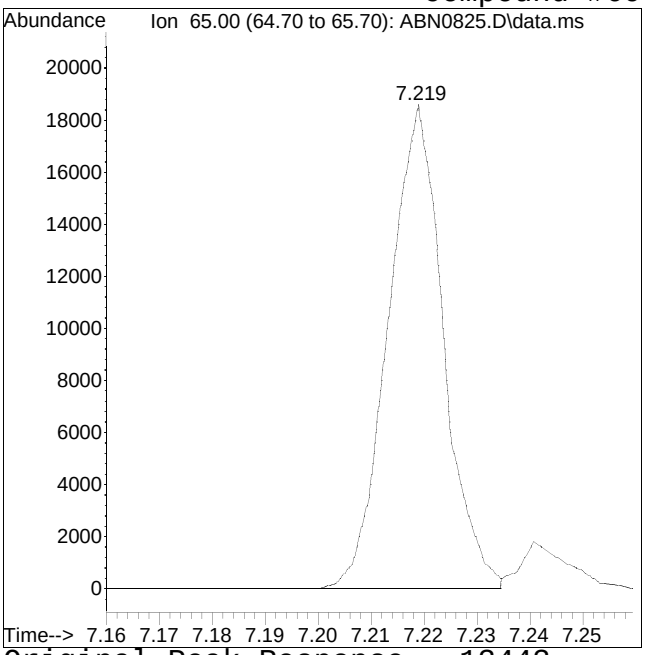
Original Peak Response = 107752 Manual Peak Response = 107797 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

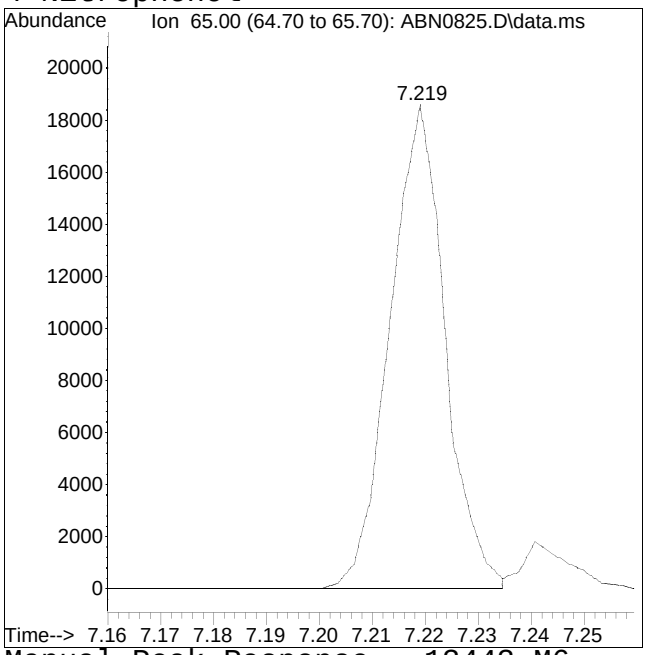
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 13443



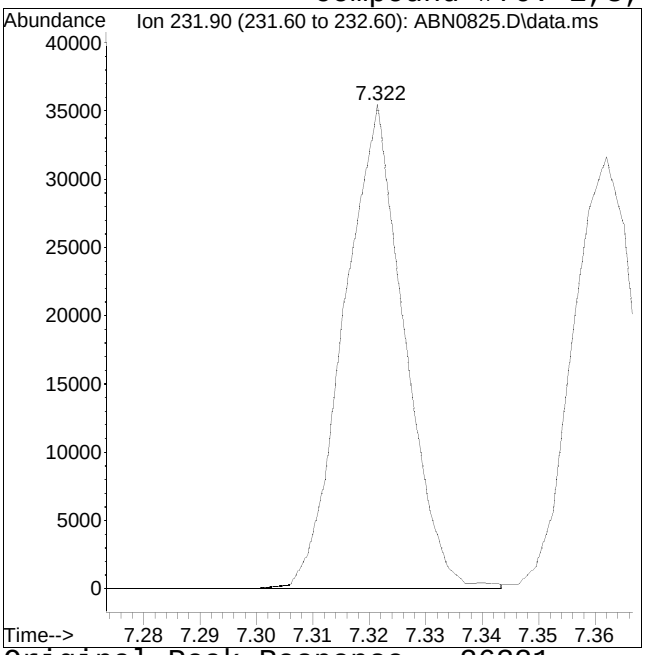
Manual Peak Response = 13443 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

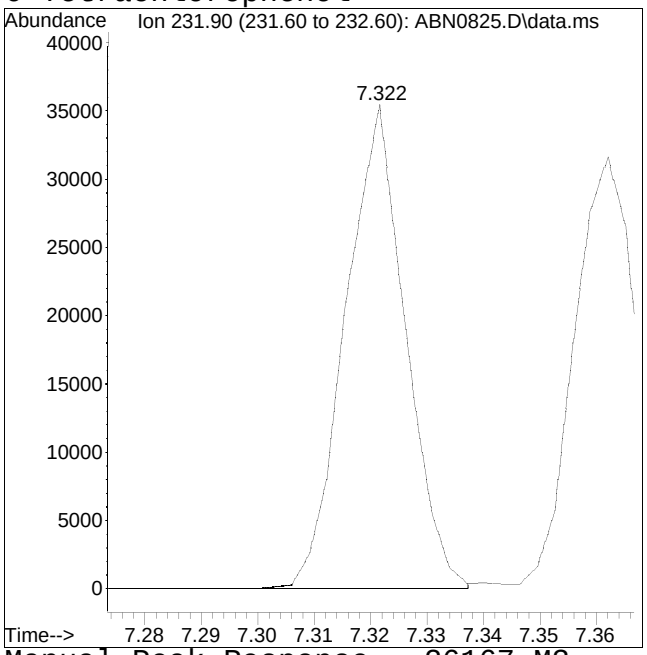
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 26321



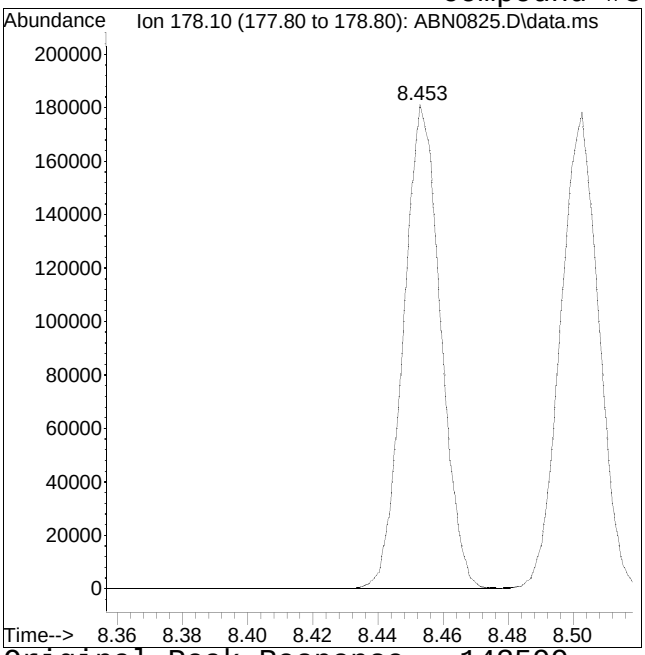
Manual Peak Response = 26167 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

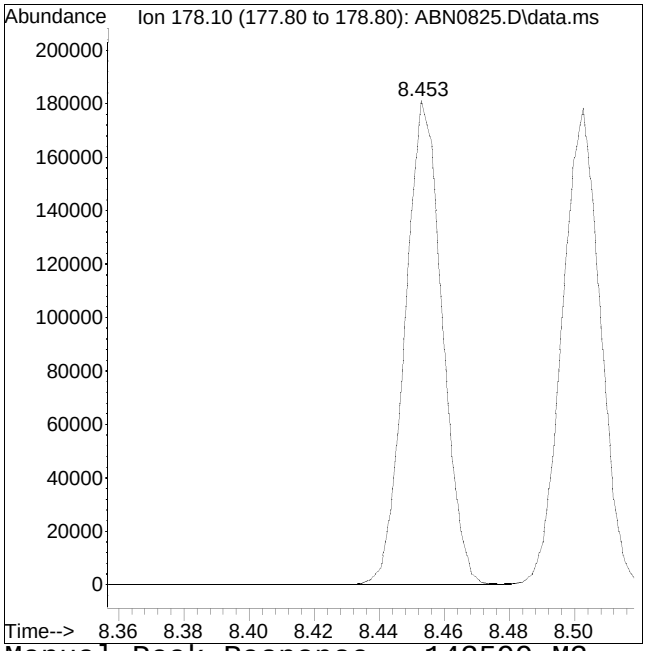
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #89: Phenanthrene



Original Peak Response = 143599



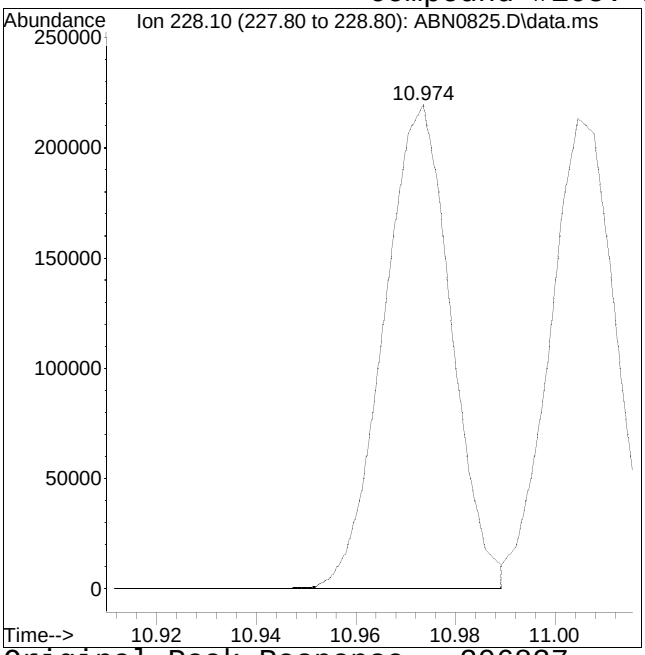
Manual Peak Response = 143599 M3

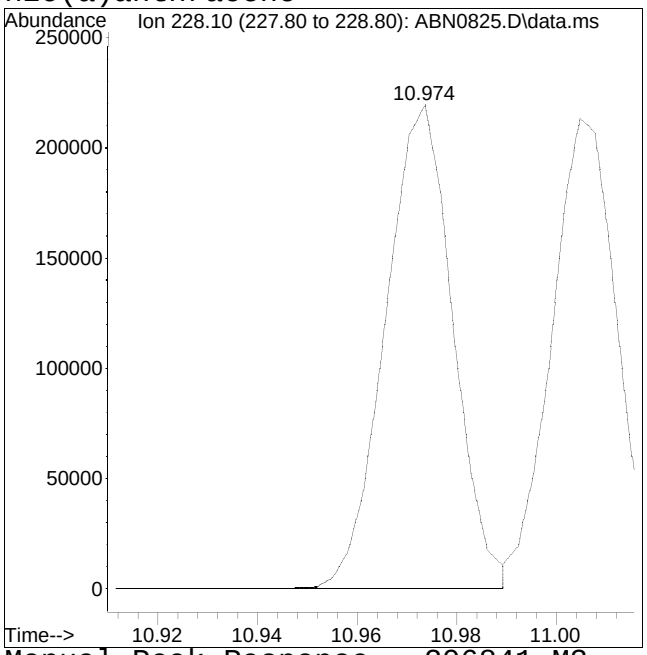
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #105: Benzo(a)anthracene





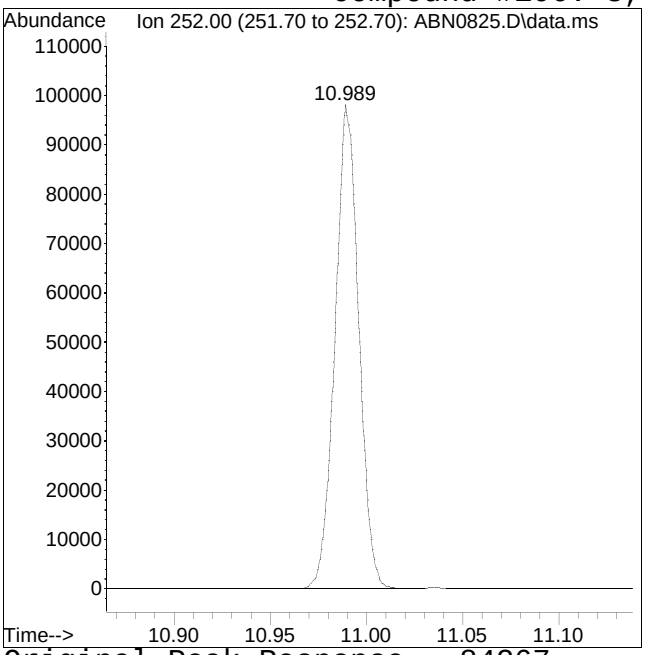
Original Peak Response = 206837 Manual Peak Response = 206841 M3

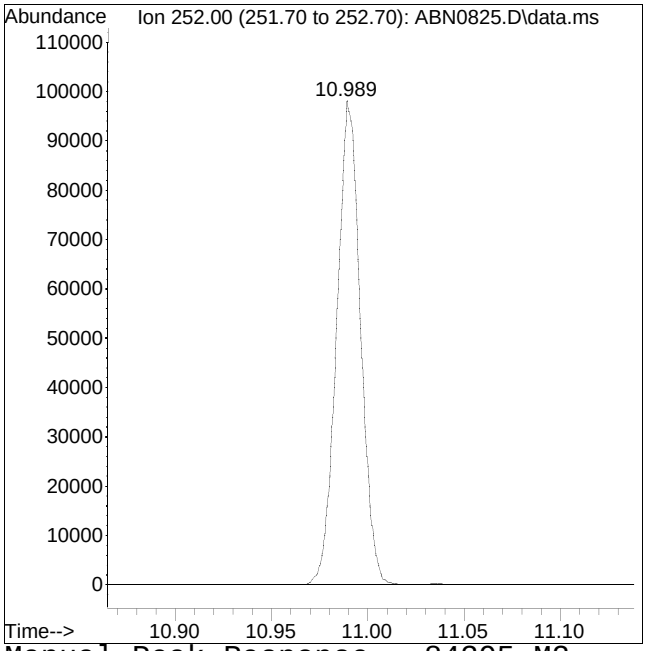
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #106: 3,3'-Dichlorobenzidine



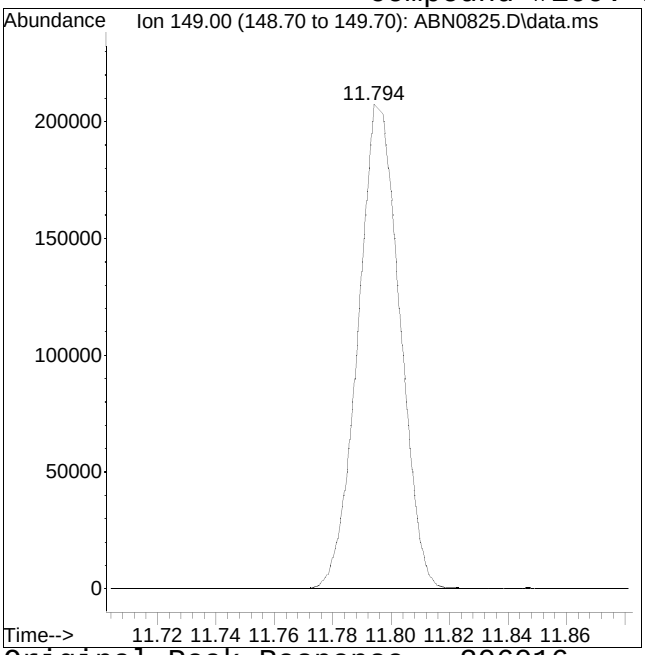


Original Peak Response = 84267 Manual Peak Response = 84395 M2
M2 = Peak not found by automatic integration algorithm.

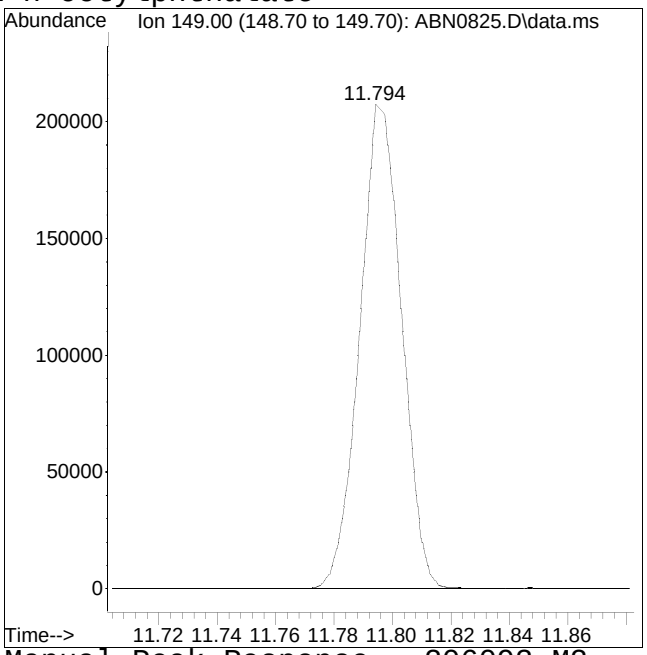
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #109: Di-n-octylphthalate



Original Peak Response = 206016



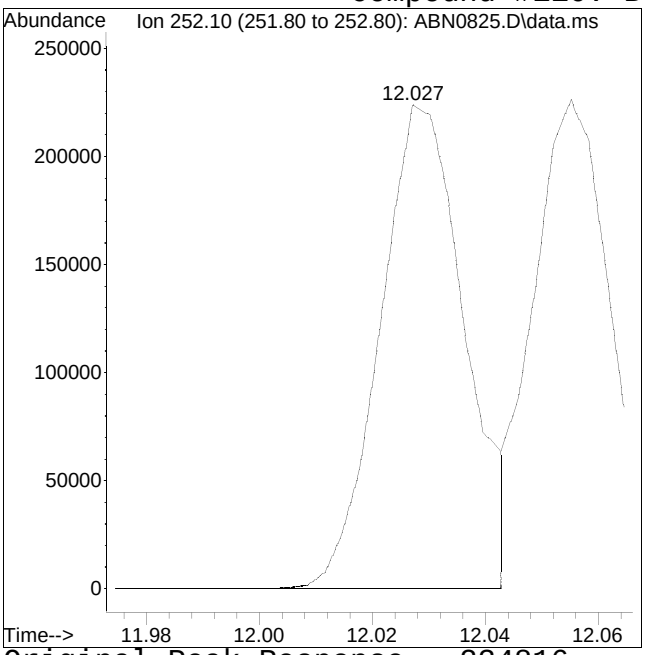
Manual Peak Response = 206093 M2

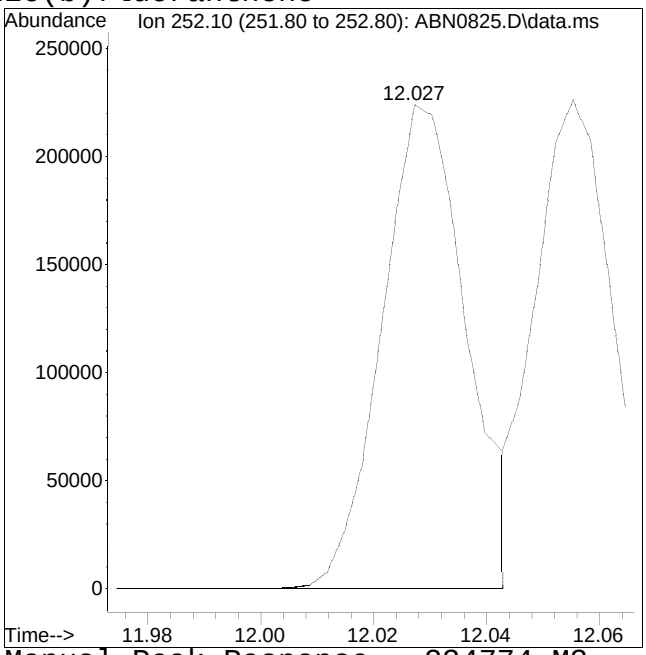
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #110: Benzo(b)fluoranthene





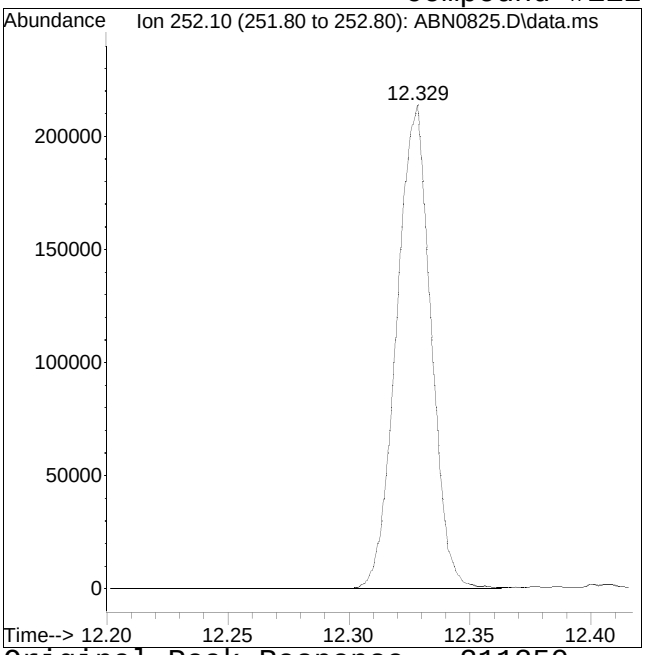
Original Peak Response = 234816 Manual Peak Response = 234774 M3

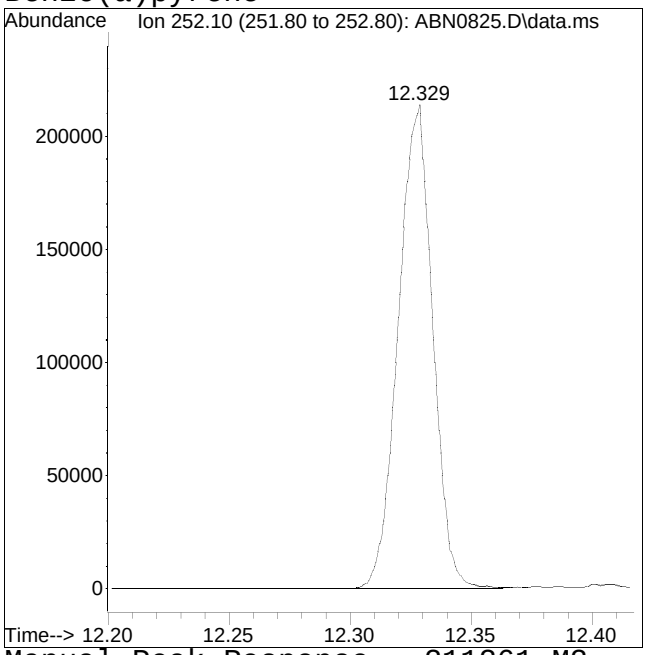
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #112: Benzo(a)pyrene



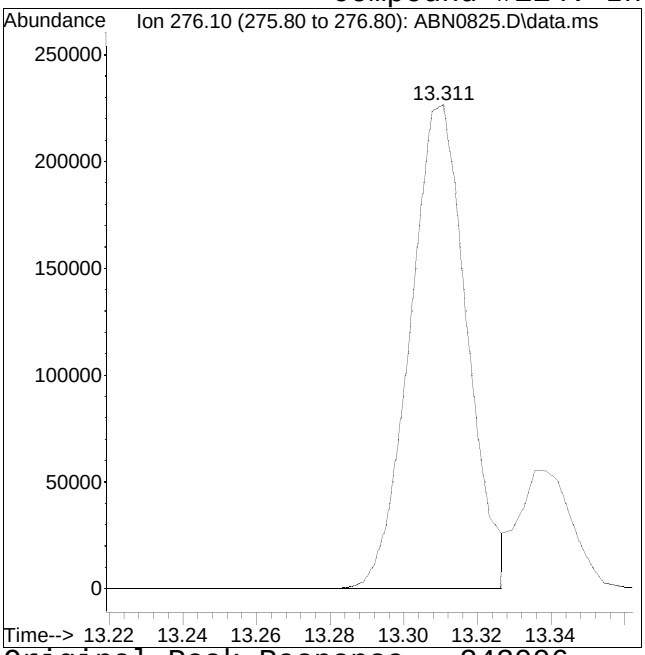


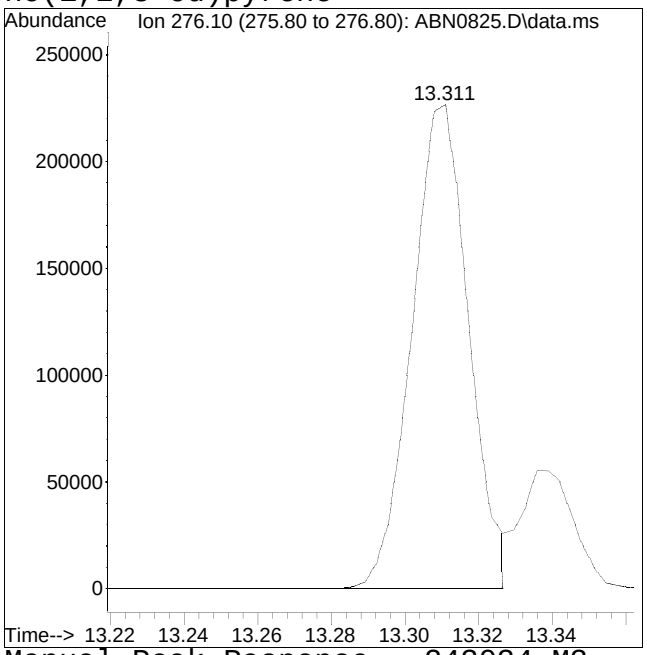
Original Peak Response = 211250 Manual Peak Response = 211261 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #114: Indeno(1,2,3-cd)pyrene





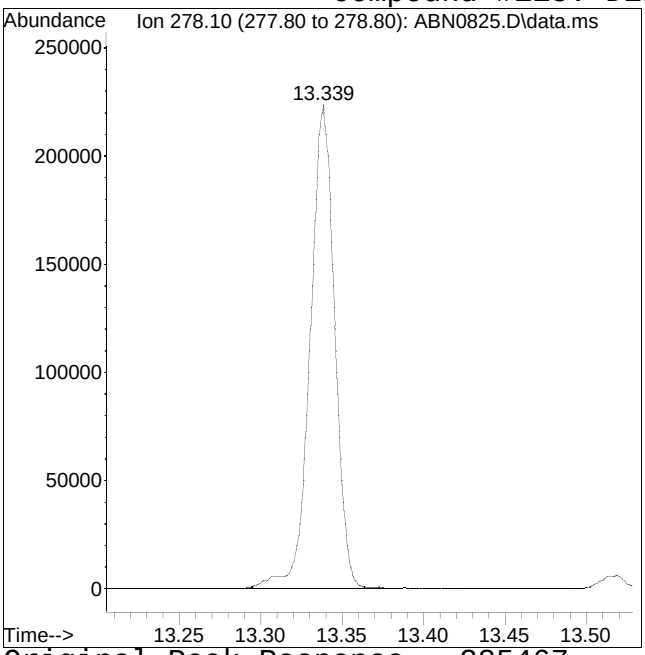
Original Peak Response = 243006 Manual Peak Response = 243034 M3

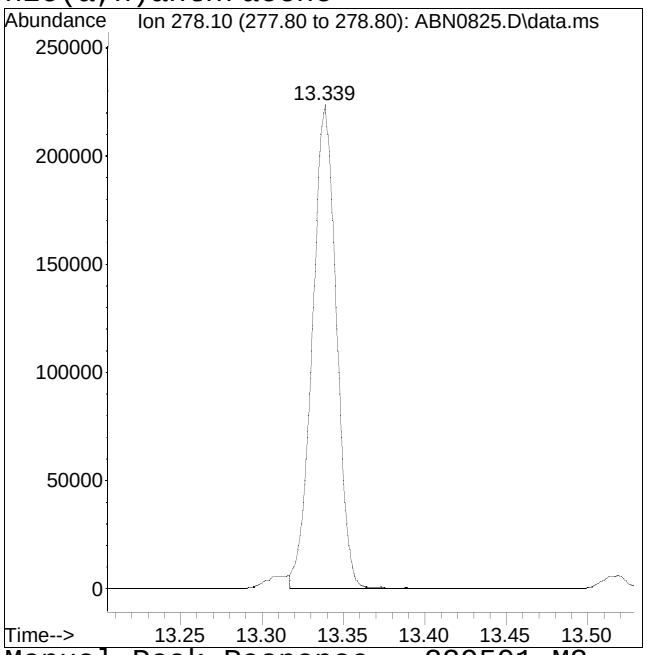
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : ABN0825.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 8:51 pm Instrument : Dakota
Sample : WG1963655-3,32,,ABN 10908 Quant Date : 8/25/2024 10:19 pm

Compound #115: Dibenzo(a,h)anthracene





Original Peak Response = 235467 Manual Peak Response = 229501 M2
M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ADP0825.D
Acq On : 25 Aug 2024 9:35 pm
Operator : Dakota:mrg
Sample : WG1963655-5,32,,ADP 10751 kmh0802B
Misc : WG1963655,,ical21225
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Aug 25 22:19:10 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	80	0.00
33	T	1,4-Dioxane		0.450	0.401	10.9	80	0.00
34	T	n-Decane		1.059	0.621	41.4#	55	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	81	0.00
87	T	Atrazine		0.450	0.408	9.3	85	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	76	0.00
101	T	n-Octadecane		0.319	0.186	41.7#	50	0.00
102	T	Parathion	*	5.000	4.678	6.4	85	0.00
103	T	3,3'-Dimethylbenzidine		0.735	0.809	-10.1	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ADP0825.D
Acq On : 25 Aug 2024 9:35 pm
Operator : Dakota:mrg
Sample : WG1963655-5,32,,ADP 10751 kmh0802B
Misc : WG1963655,,ical21225
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Aug 25 22:19:10 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	4.096	152	22466	4.000	ug/ml		0.00
86) IS3_Acenaphthene-d10	7.023	164	54458	4.000	ug/ml		0.00
100) IS3_Phenanthrene-d10	8.431	188	124030	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.230	88	11269	4.458	ug/ml		88
34) n-Decane	4.005	57	17453	2.935	ug/ml	#	28
87) Atrazine	8.245	200	27743	4.528	ug/ml	#	89
101) n-Octadecane	8.459	57	28848	2.913	ug/ml	#	1
102) Parathion	9.236	109	13797	4.678	ug/ml	#	90
103) 3,3'-Dimethylbenzidine	10.467	212	125367	5.502	ug/ml		98

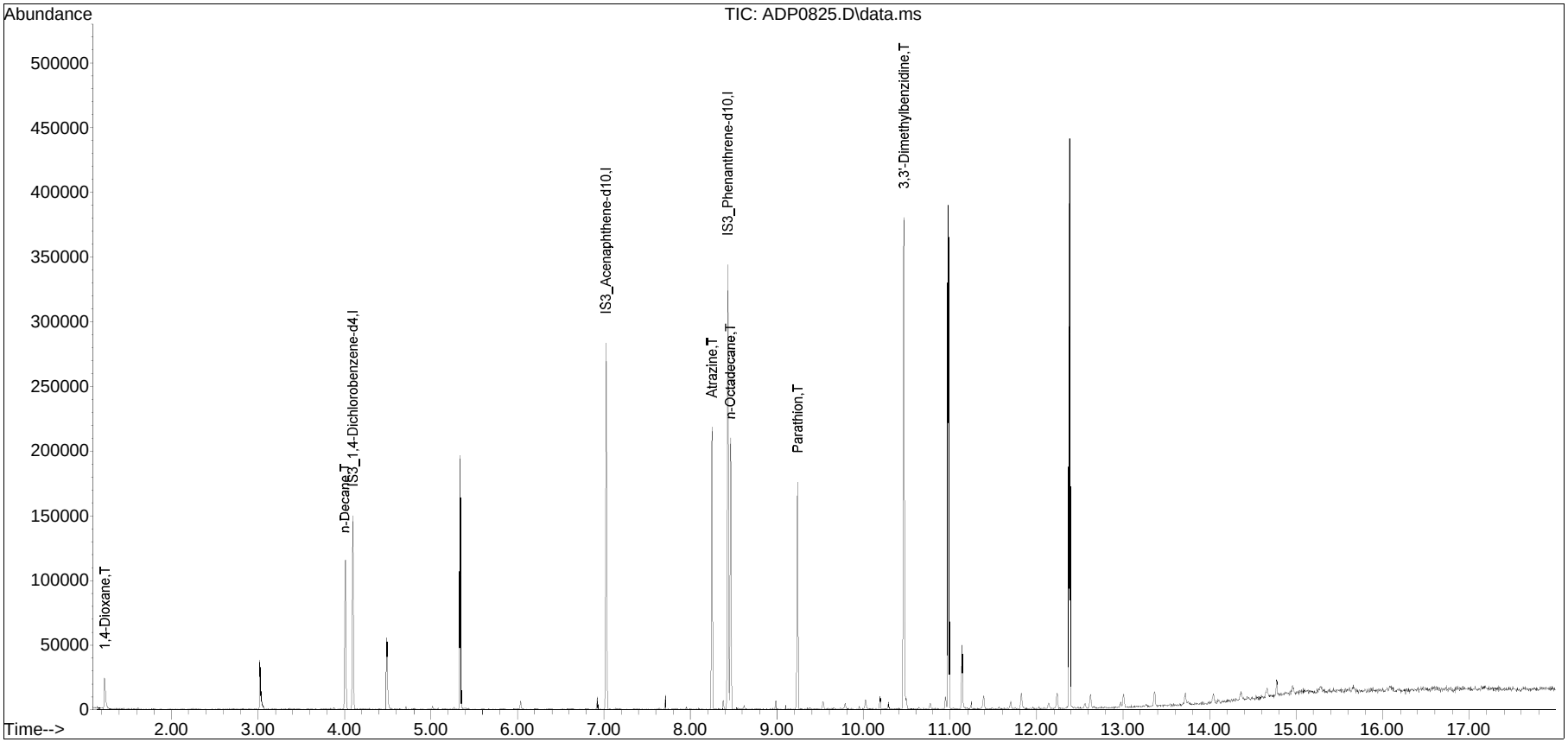
(#) = qualifier out of range (m) = manual integration (+) = signals summed

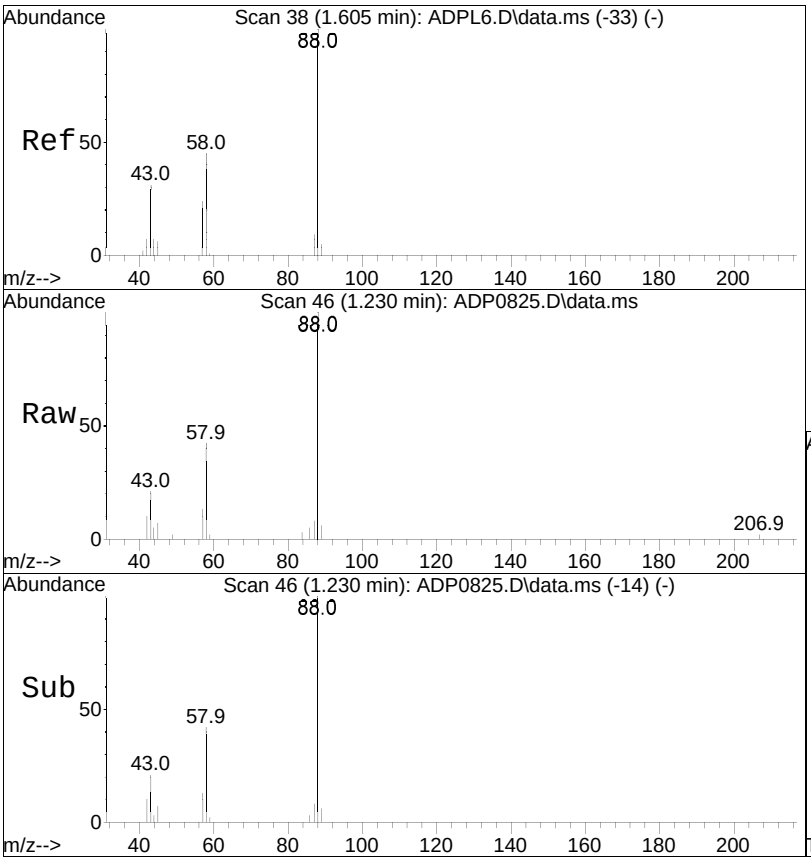
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : ADP0825.D
Acq On : 25 Aug 2024 9:35 pm
Operator : Dakota:mrg
Sample : WG1963655-5,32,,ADP 10751 kmh0802B
Misc : WG1963655,,ical21225
ALS Vial : 98 Sample Multiplier: 1

Quant Time: Aug 25 22:19:10 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

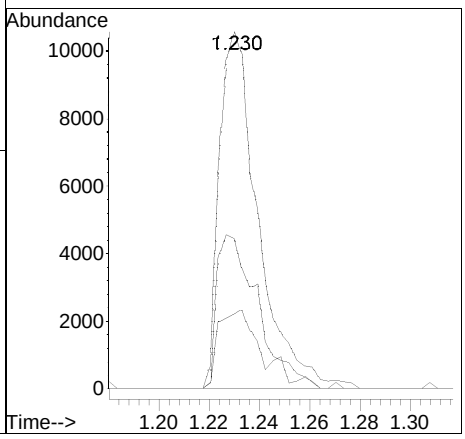


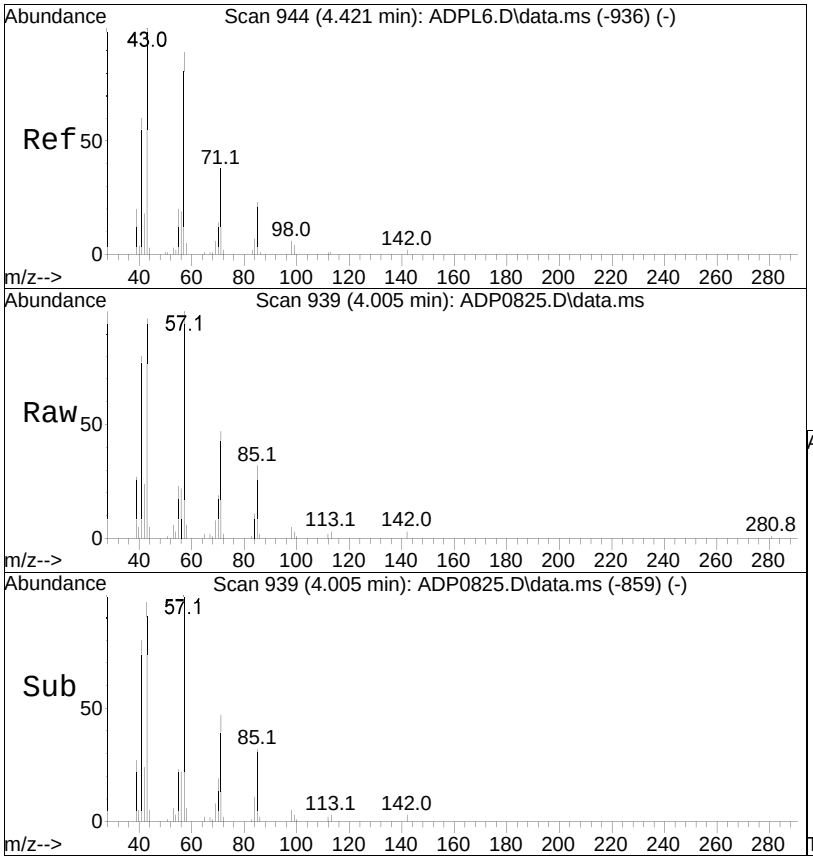


#33
1,4-Dioxane
Concen: 4.46 ug/ml
RT: 1.230 min Scan# 46
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion: 88 Resp: 11269

Ion	Ratio	Lower	Upper
88	100		
58	45.9	44.8	67.2
43	24.4	22.4	33.6

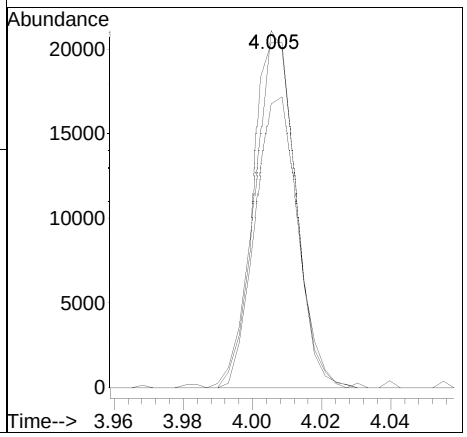


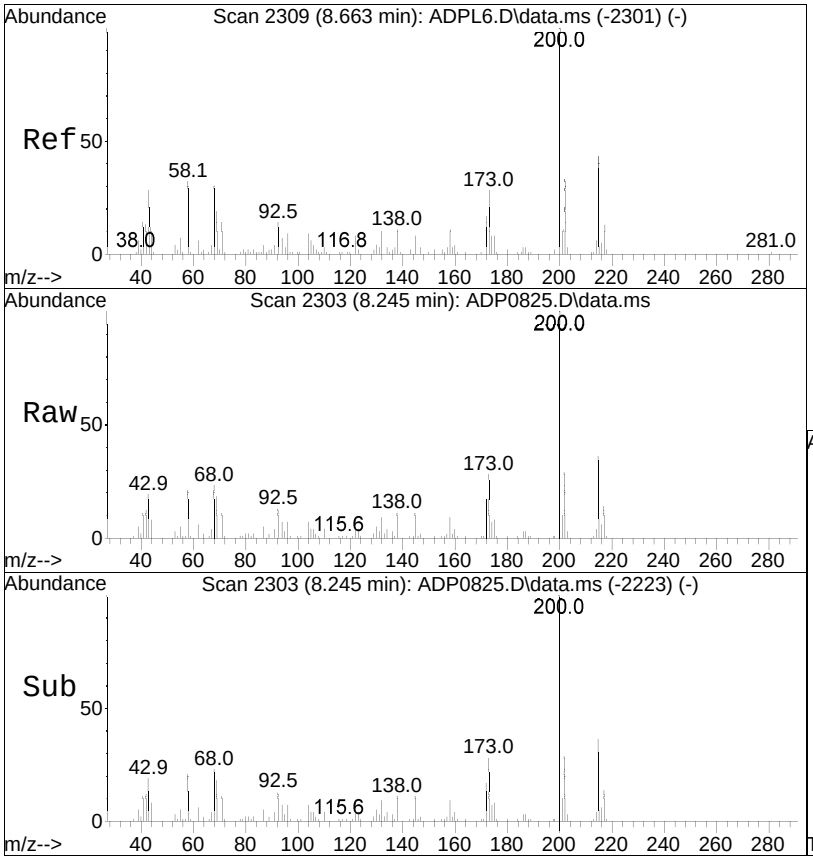


#34
n-Decane
Concen: 2.93 ug/ml
RT: 4.005 min Scan# 939
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion: 57 Resp: 17453

Ion	Ratio	Lower	Upper
57	100		
43	101.5	0.2	0.2#
41	84.3	0.2	0.2#

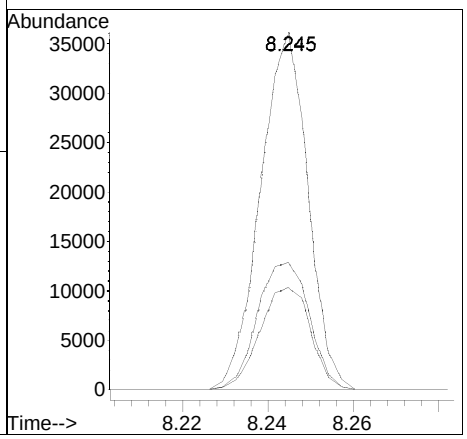


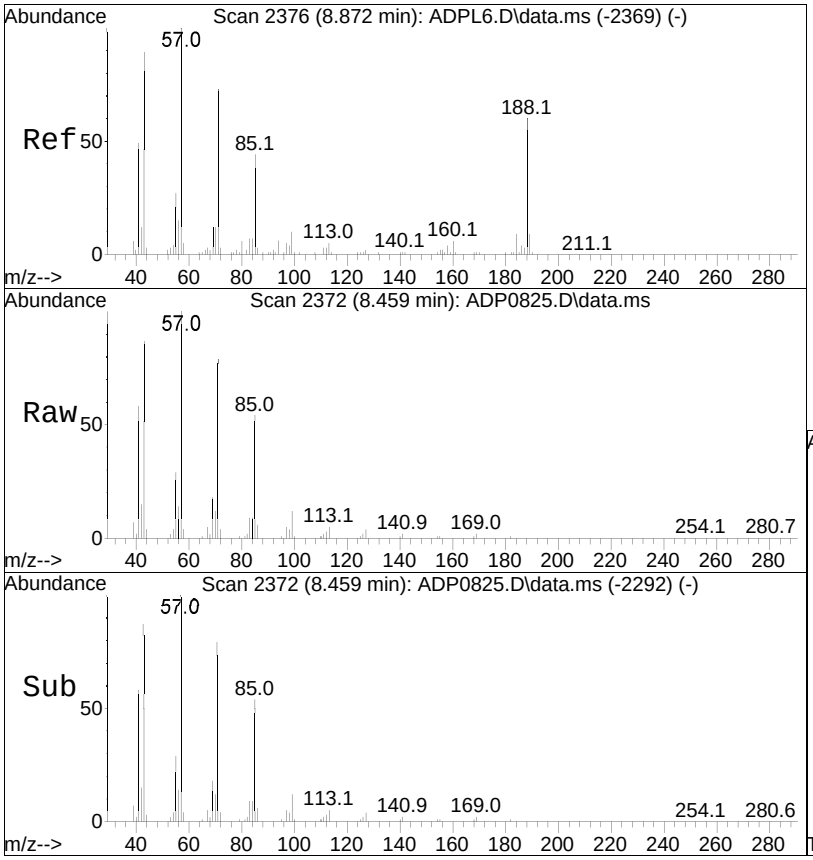


#87
Atrazine
Concen: 4.53 ug/ml
RT: 8.245 min Scan# 2303
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion:200 Resp: 27743

Ion	Ratio	Lower	Upper
200	100		
202	30.8	25.8	38.6
215	39.0	40.2	60.4#

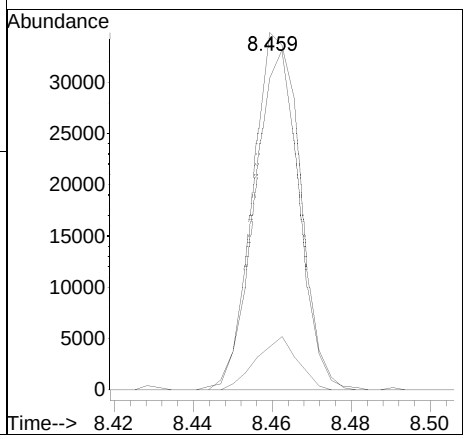


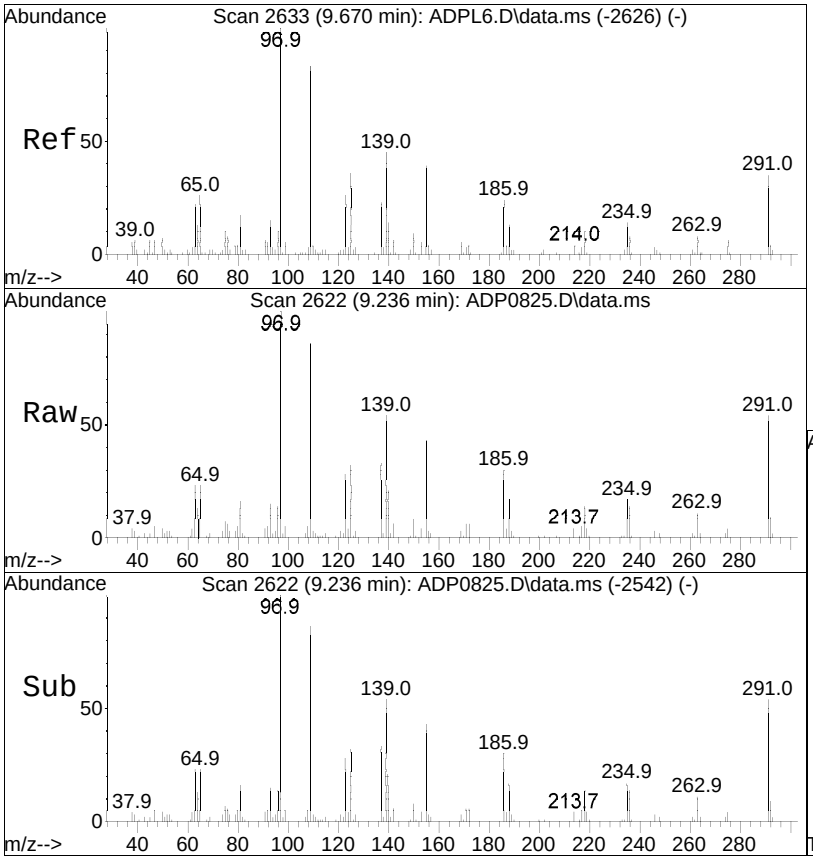


#101
n-Octadecane
Concen: 2.91 ug/ml
RT: 8.459 min Scan# 2372
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion: 57 Resp: 28848

Ion	Ratio	Lower	Upper
57	100		
43	89.9	9.0	13.6#
70	13.0	0.2	0.2#

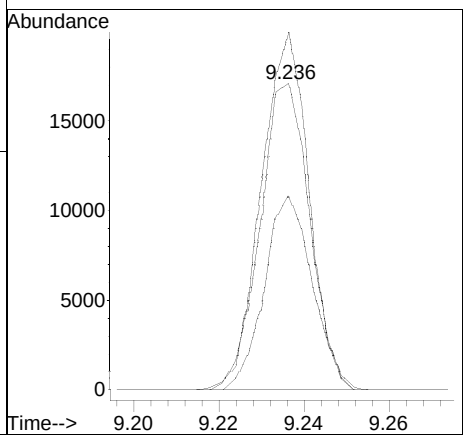


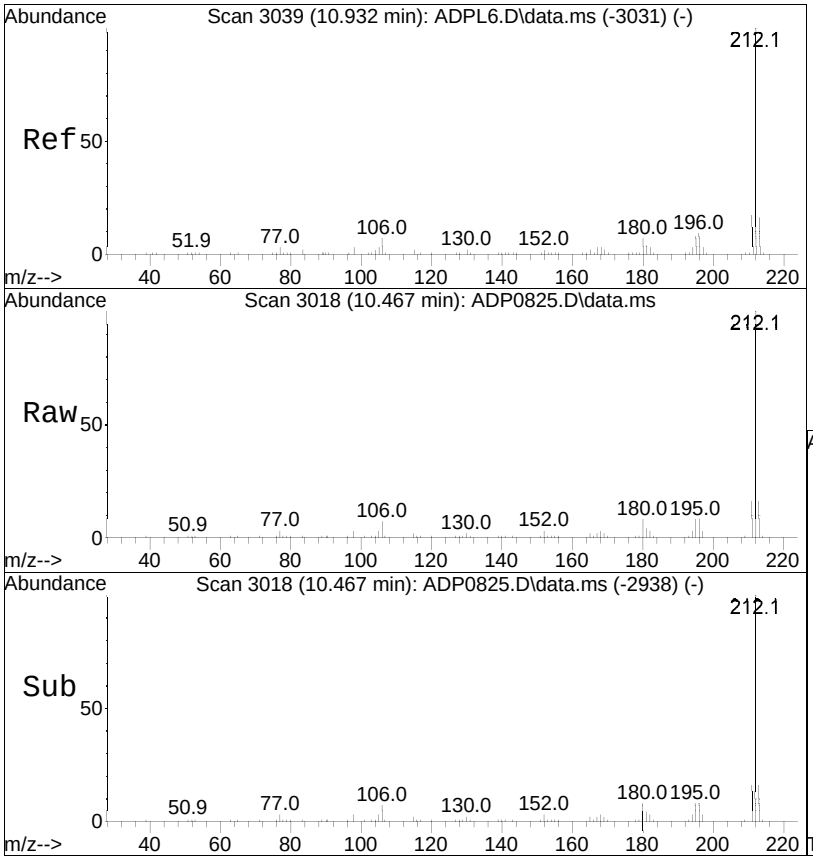


#102
Parathion
Concen: 4.68 ug/ml
RT: 9.236 min Scan# 2622
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion:109 Resp: 13797

Ion	Ratio	Lower	Upper
109	100		
97	111.6	87.4	131.2
291	61.5	34.2	51.2#

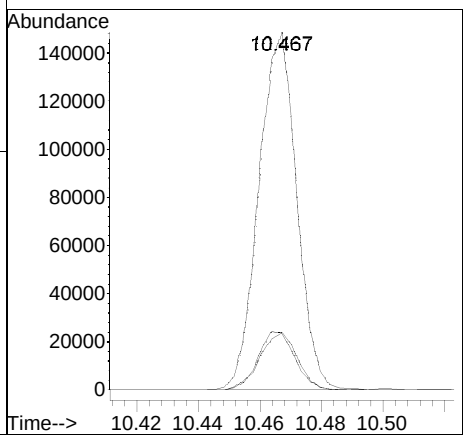




#103
3,3'-Dimethylbenzidine
Concen: 5.50 ug/ml
RT: 10.467 min Scan# 3018
Delta R.T. 0.000 min
Lab File: ADP0825.D
Acq: 25 Aug 2024 9:35 pm

Tgt Ion:212 Resp: 125367

Ion	Ratio	Lower	Upper
212	100		
211	16.7	12.9	19.3
213	15.1	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\Dakota\240825aRVT\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: ADP0825.D	Operator	: Dakota:mrg
Date Inj'd	: 8/25/2024 9:35 pm	Instrument	: Dakota
Sample	: WG1963655-5,32,,ADP 10751	Quant Date	: 8/25/2024 10:19 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : AP90825a.D
Acq On : 25 Aug 2024 9:59 pm
Operator : Dakota:mrg
Sample : WG1963655-4,32,,AP9 10909 kmh0802C
Misc : WG1963655,,ical21225
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Aug 25 22:19:20 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	0.00
28	T	Benzaldehyde	1.036	0.833	19.6	55	0.00
29	T	Acetophenone	1.772	1.389	21.6#	53	0.00
30	T	m-Toluidine	1.704	1.357	20.4#	52	0.00
31	T	2-Chloroaniline	1.648	1.372	16.7	57	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	69	0.00
56	T	a-Terpineol	0.269	0.146	45.7#	39#	0.00
57	T	3-Chloroaniline	0.150	0.100	33.3#	47#	0.00
58	T	2,6-Dichlorophenol	0.375	0.290	22.7#	54	0.00
59	T	1-chloro-2-nitrobenzene	0.155	0.107	31.0#	50	0.00
60	T	Caprolactam	0.134	0.069	48.5#	35#	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.499	0.380	23.8#	55	0.00
62	T	Biphenyl	1.069	0.817	23.6#	54	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	72	0.00
84	T	Dichloran	0.236	0.187	20.8#	61	0.00
85	T	Pentachloronitrobenzene	0.220	0.178	19.1	56	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	70	0.00
99	T	Diphenamid	0.521	0.417	20.0	55	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : AP90825a.D
Acq On : 25 Aug 2024 9:59 pm
Operator : Dakota:mrg
Sample : WG1963655-4,32,,AP9 10909 kmh0802C
Misc : WG1963655,,ical21225
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Aug 25 22:19:20 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	4.096	152	20040	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	5.336	136	76372	4.000	ug/ml		0.00
83) IS2_Acenaphthene-d10	7.023	164	52785	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	8.431	188	122573	4.000	ug/ml	#	0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	3.654	105	20870	4.021	ug/ml		91
29) Acetophenone	4.515	105	34782	3.919	ug/ml	#	72
30) m-Toluidine	4.602	106	33983	3.981	ug/ml		98
31) 2-Chloroaniline	4.957	127	34357	4.162	ug/ml	#	88
56) a-Terpineol	5.413	59	13975	2.719	ug/ml	#	58
57) 3-Chloroaniline	5.423	65	9533	3.331	ug/ml		77
58) 2,6-Dichlorophenol	5.448	162	27657	3.860	ug/ml	#	77
59) 1-chloro-2-nitrobenzene	5.699	111	10175	3.430	ug/ml	#	1
60) Caprolactam	5.746	55	6557	2.567	ug/ml	#	8
61) 1,2,4,5-Tetrachloroben...	6.203	216	36249	3.801	ug/ml	#	91
62) Biphenyl	6.498	154	77981	3.821	ug/ml		96
84) Dichloran	8.149	206	12325	3.963	ug/ml	#	51
85) Pentachloronitrobenzene	8.292	237	11765	4.054	ug/ml	#	74
99) Diphenamid	9.351	167	63825	4.001	ug/ml	#	62

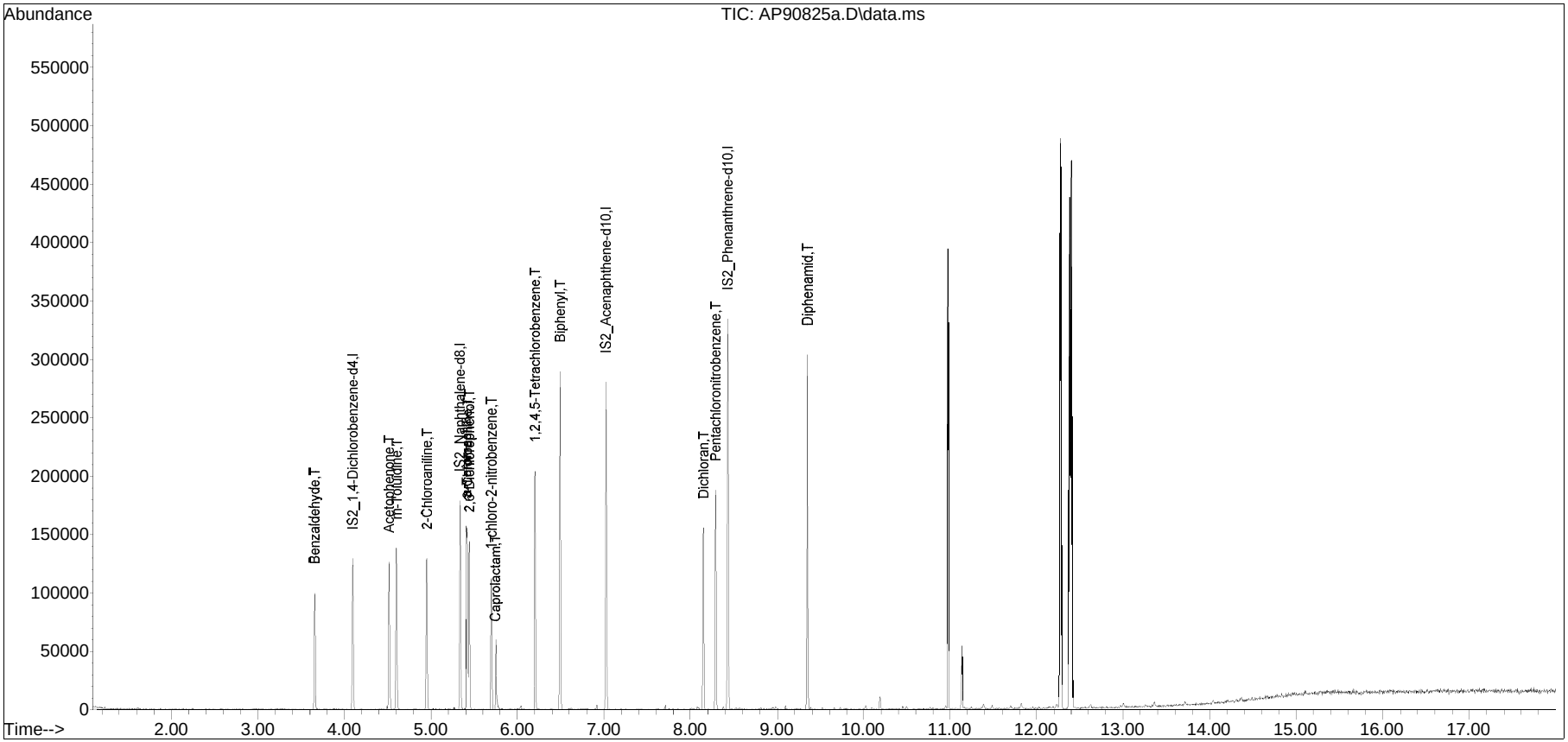
(#) = qualifier out of range (m) = manual integration (+) = signals summed

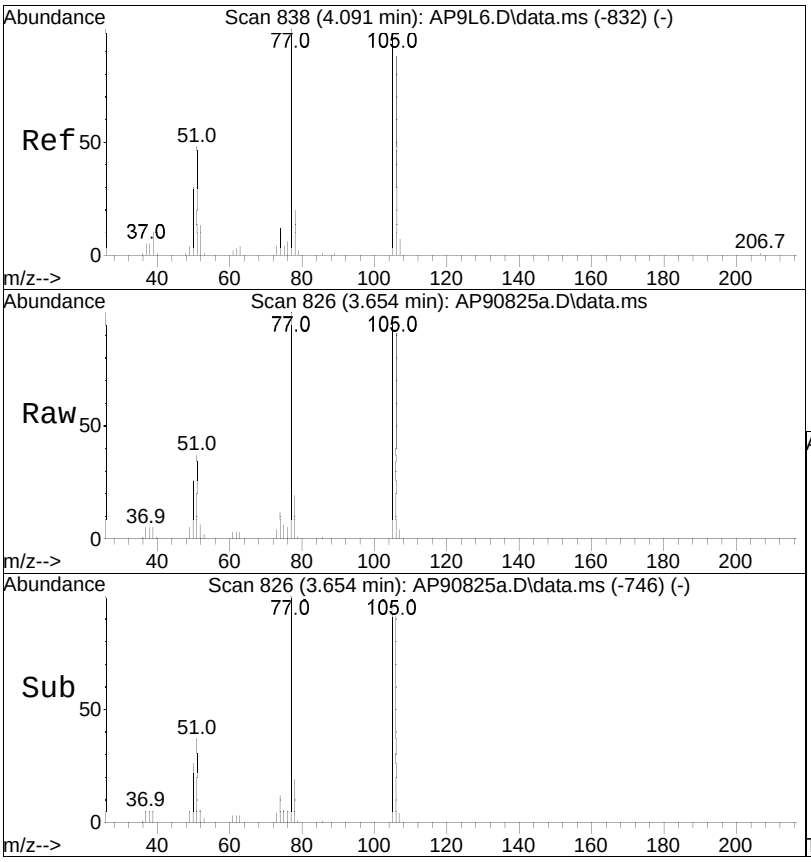
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : AP90825a.D
Acq On : 25 Aug 2024 9:59 pm
Operator : Dakota:mrg
Sample : WG1963655-4,32,,AP9 10909 kmh0802C
Misc : WG1963655,,ical21225
ALS Vial : 97 Sample Multiplier: 1

Quant Time: Aug 25 22:19:20 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:22 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

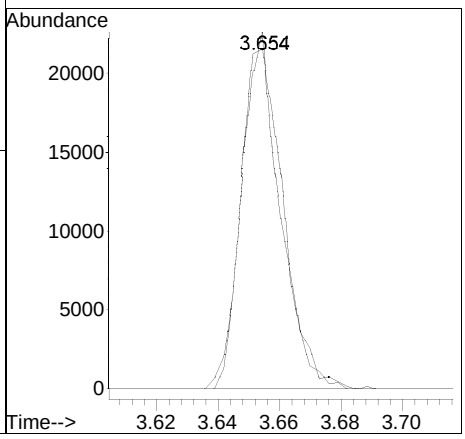


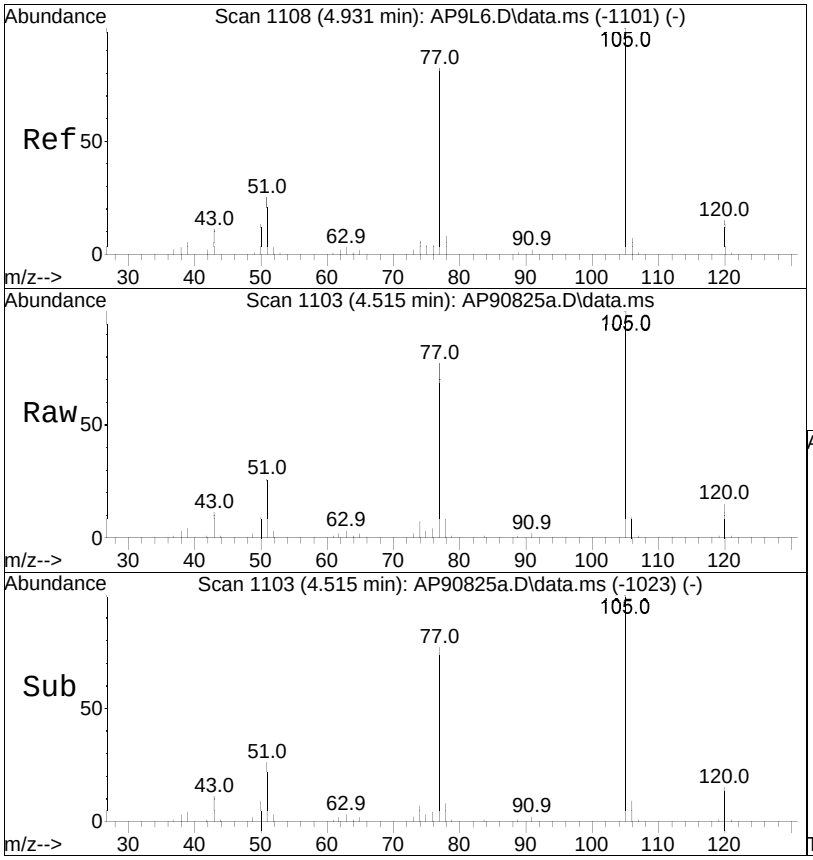


#28
Benzaldehyde
Concen: 4.02 ug/ml
RT: 3.654 min Scan# 826
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:105 Resp: 20870

Ion	Ratio	Lower	Upper
105	100		
77	93.2	82.2	123.4

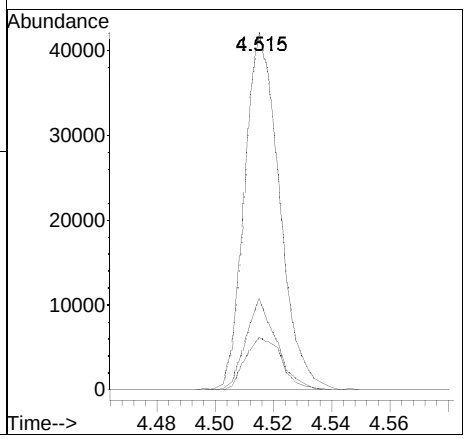


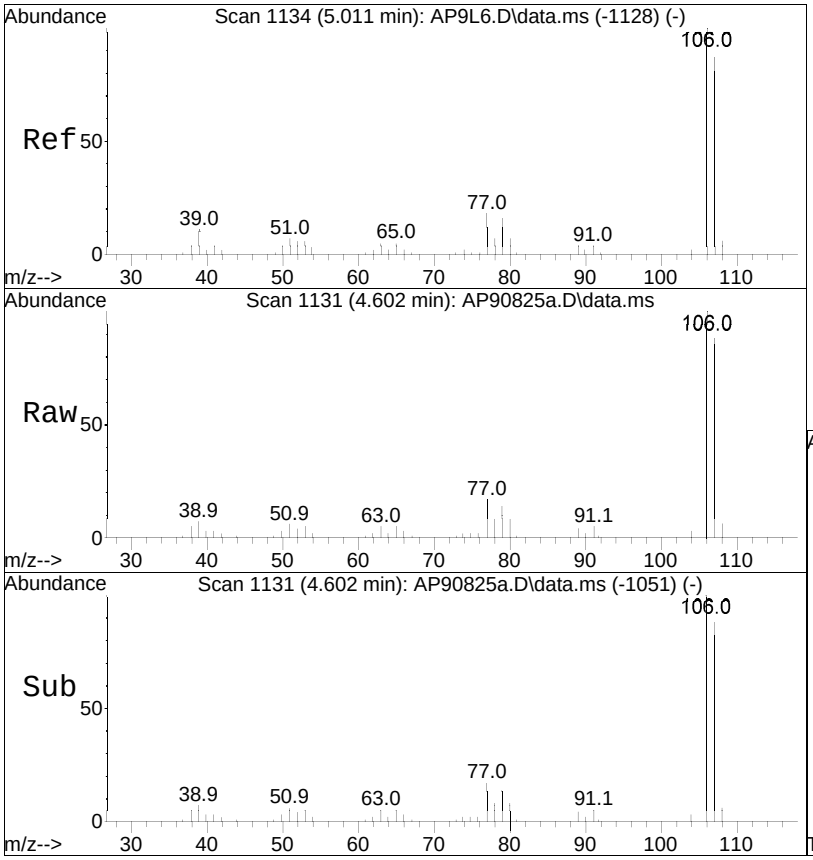


#29
Acetophenone
Concen: 3.92 ug/ml
RT: 4.515 min Scan# 1103
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:105 Resp: 34782

Ion	Ratio	Lower	Upper
105	100		
120	15.3	20.5	30.7#
51	22.7	34.9	52.3#

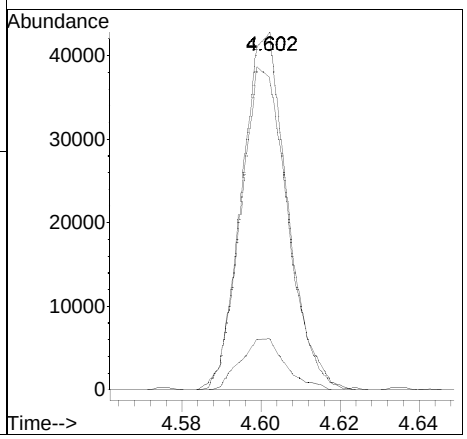


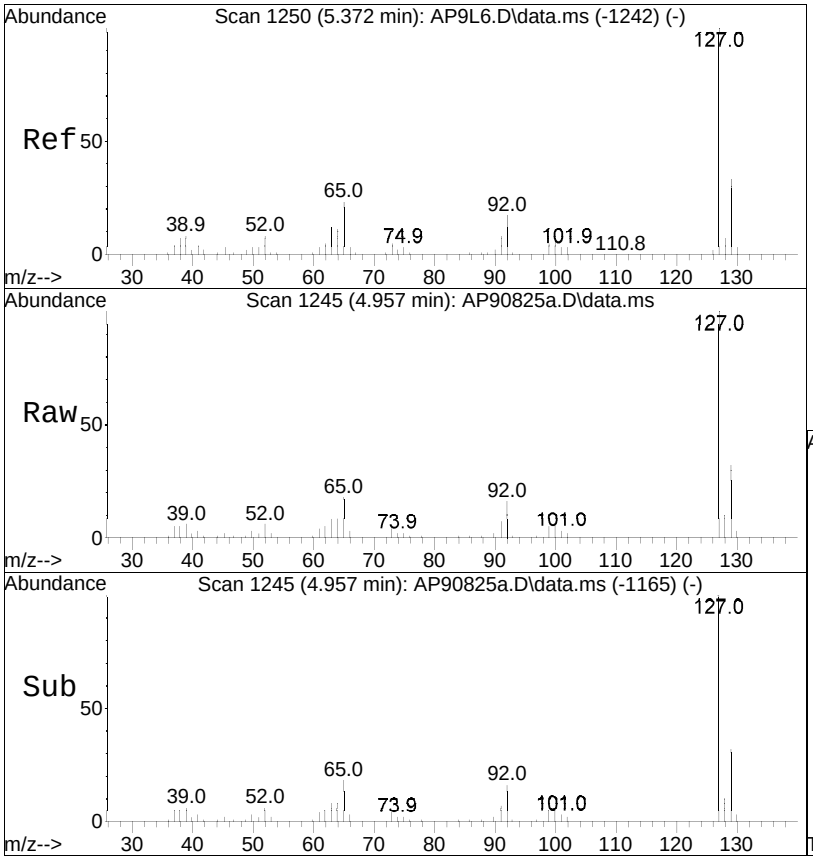


#30
m-Toluidine
Concen: 3.98 ug/ml
RT: 4.602 min Scan# 1131
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:106 Resp: 33983

Ion	Ratio	Lower	Upper
106	100		
107	92.5	75.7	113.5
79	14.3	11.8	17.8

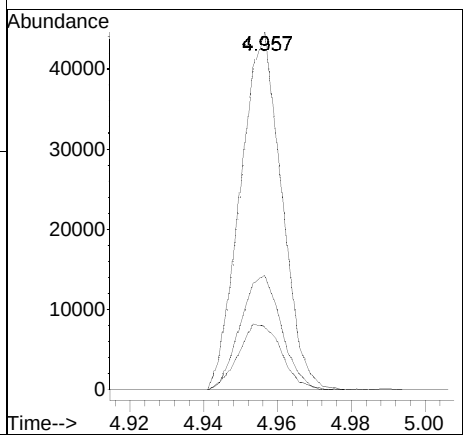


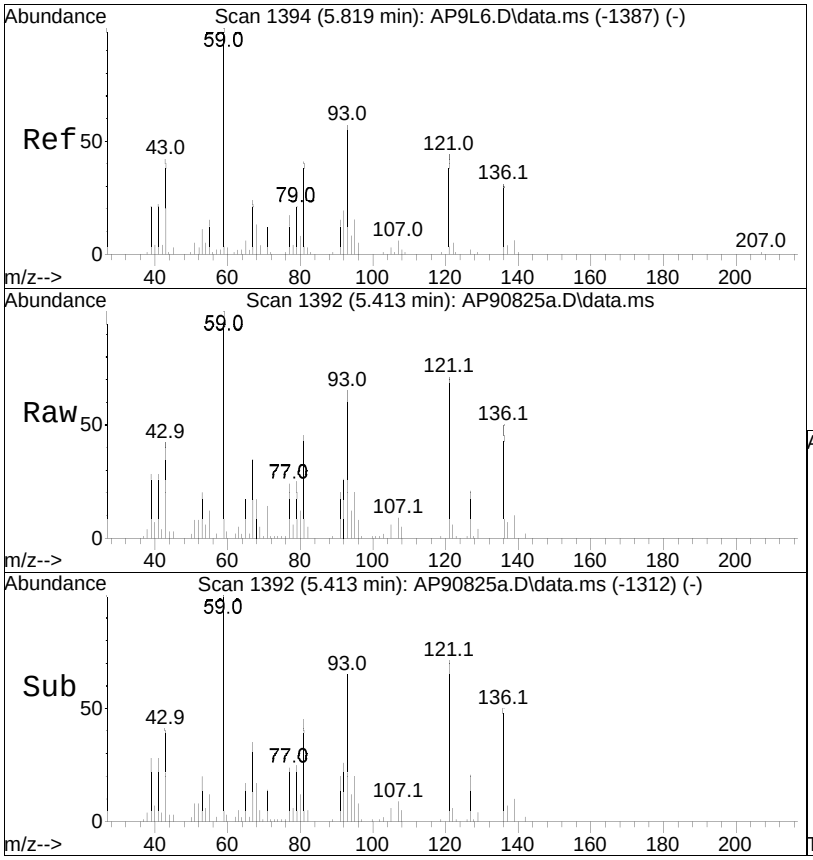


#31
2-Chloroaniline
Concen: 4.16 ug/ml
RT: 4.957 min Scan# 1245
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:127 Resp: 34357

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.9	38.9
65	19.4	26.3	39.5#

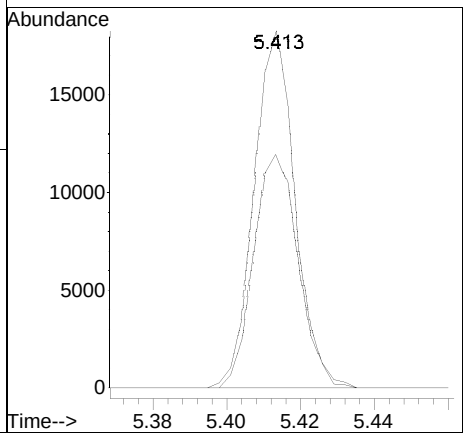


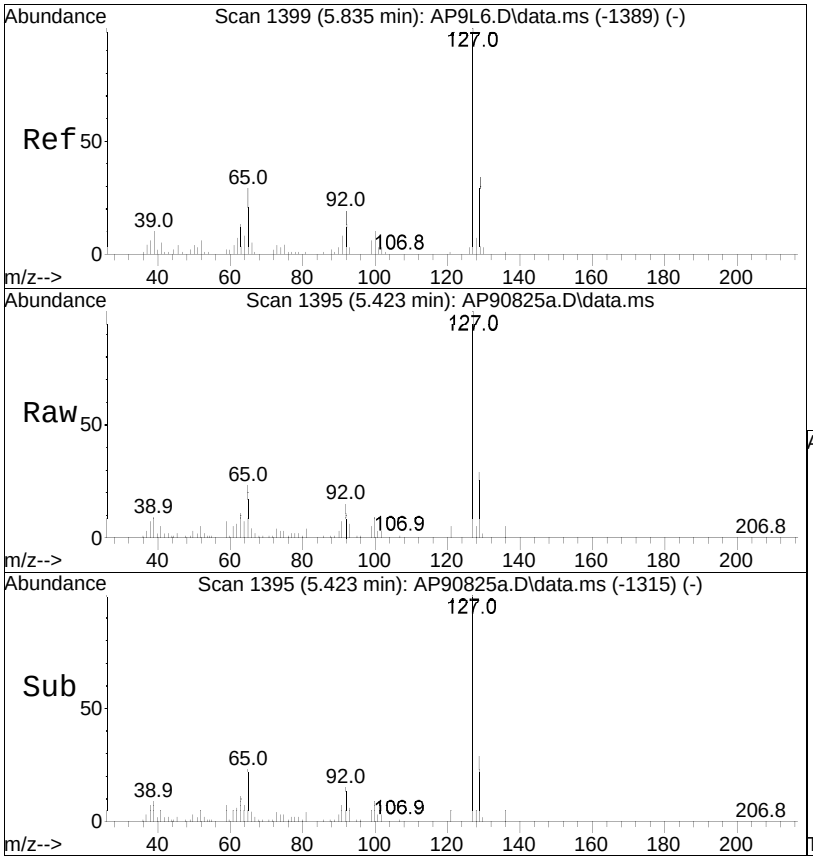


#56
a-Terpineol
Concen: 2.72 ug/ml
RT: 5.413 min Scan# 1392
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion: 59 Resp: 13975

Ion	Ratio	Lower	Upper
59	100		
93	71.8	35.6	53.4#

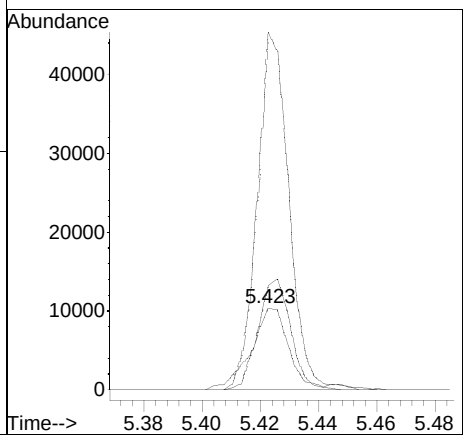


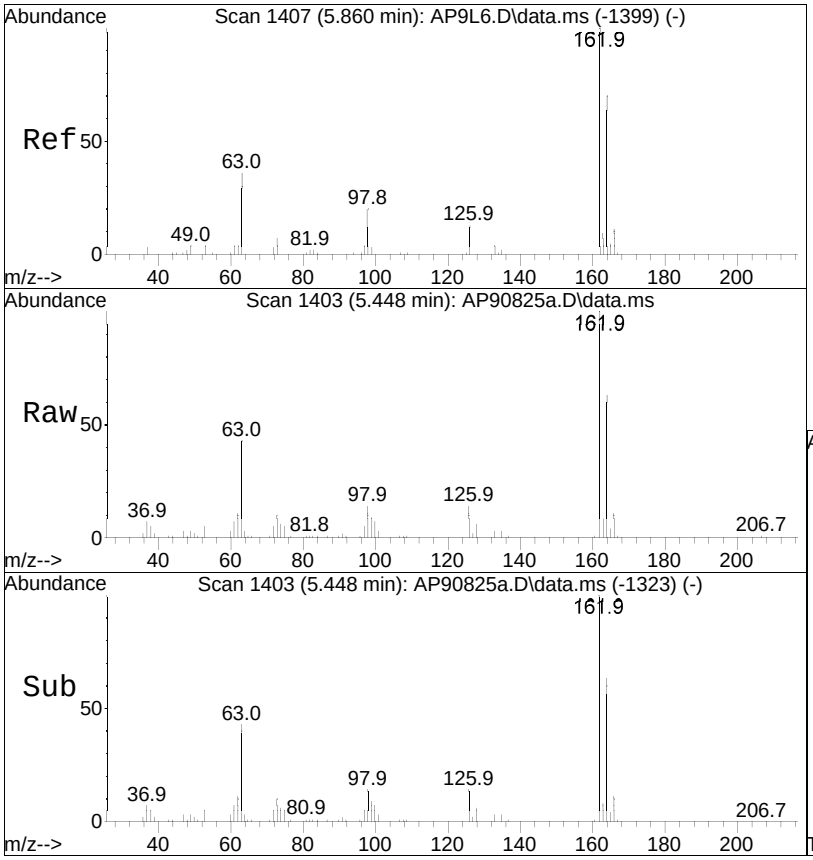


#57
3-Chloroaniline
Concen: 3.33 ug/ml
RT: 5.423 min Scan# 1395
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion: 65 Resp: 9533

Ion	Ratio	Lower	Upper
65	100		
127	355.0	243.2	364.8
129	113.7	78.8	118.2

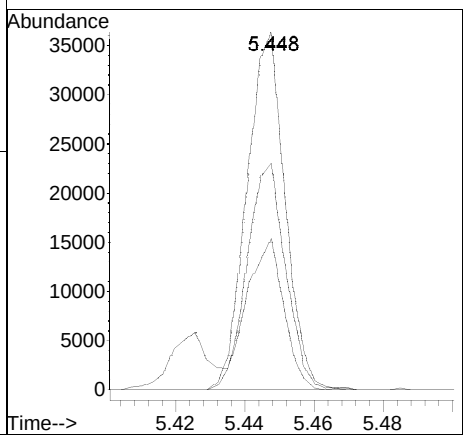


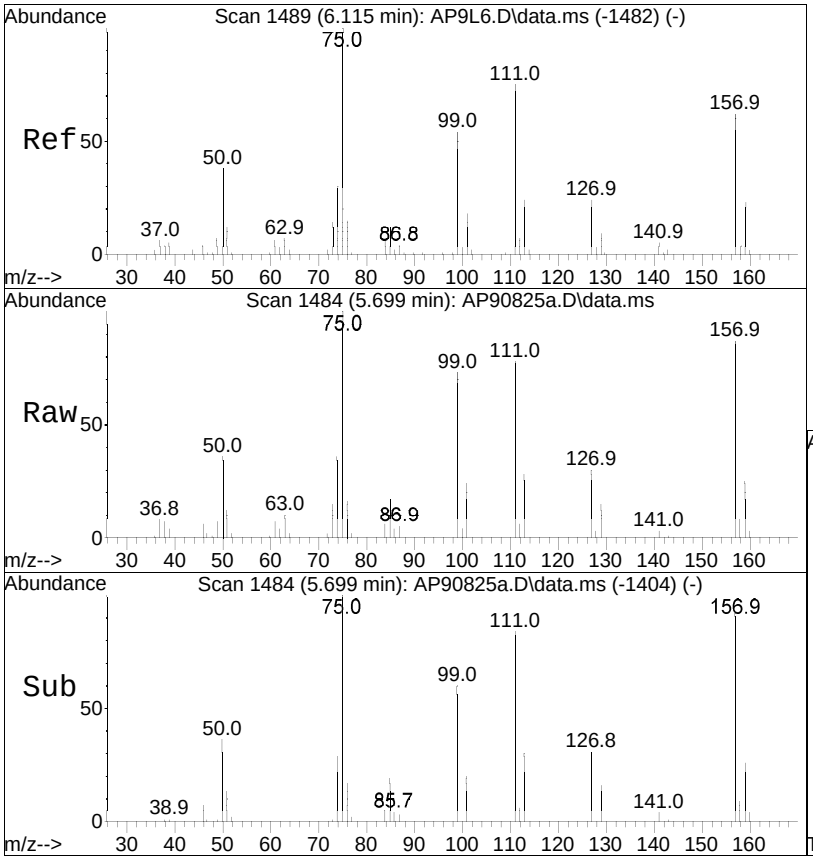


#58
2,6-Dichlorophenol
Concen: 3.86 ug/ml
RT: 5.448 min Scan# 1403
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:162 Resp: 27657

Ion	Ratio	Lower	Upper
162	100		
164	64.1	51.1	76.7
63	40.4	60.8	91.2#

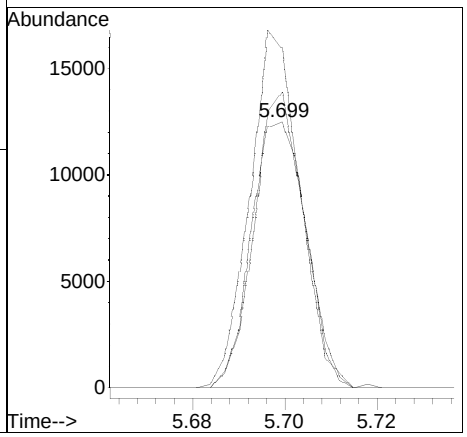


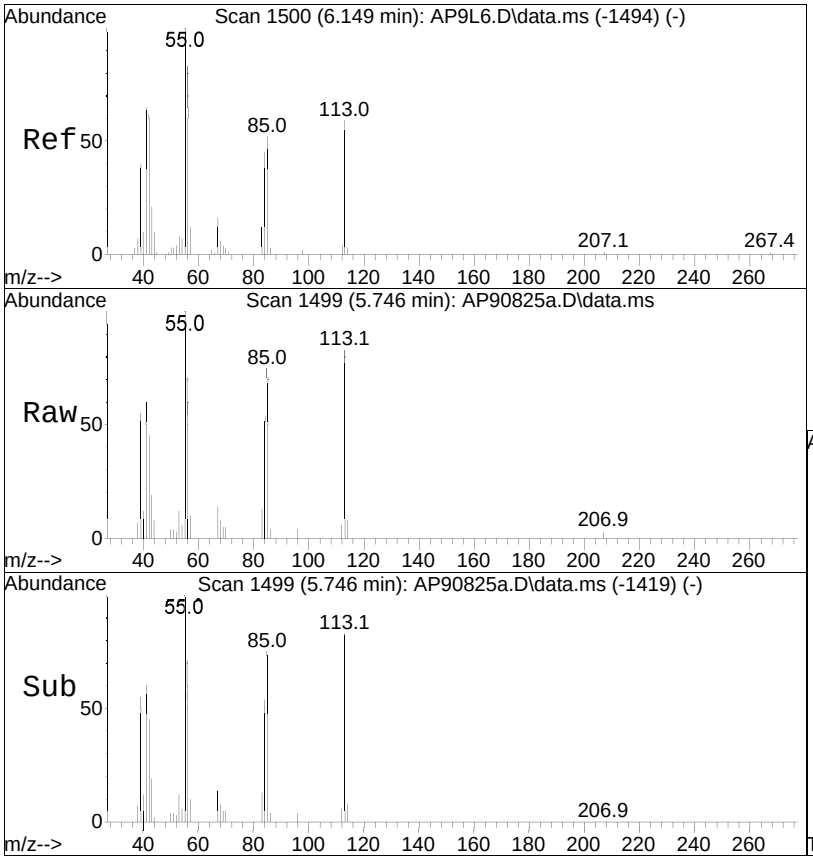


#59
1-chloro-2-nitrobenzene
Concen: 3.43 ug/ml
RT: 5.699 min Scan# 1484
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:111 Resp: 10175

Ion	Ratio	Lower	Upper
111	100		
157	101.7	0.0	0.0#
75	125.9	28.2	42.2#

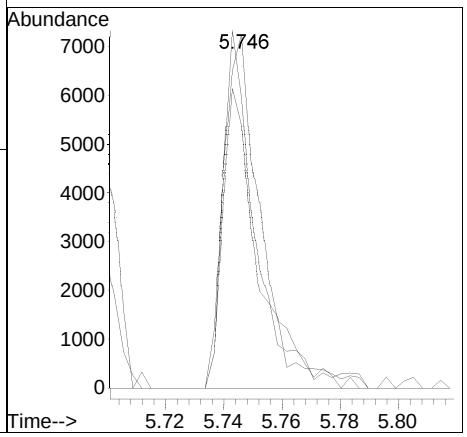


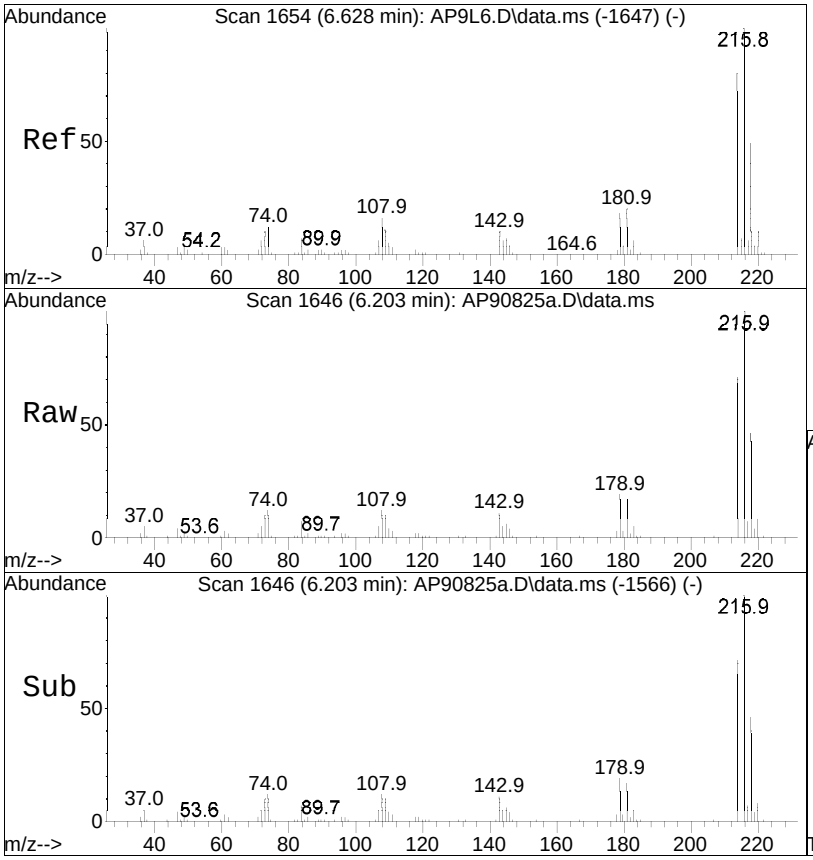


#60
Caprolactam
Concen: 2.57 ug/ml
RT: 5.746 min Scan# 1499
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion: 55 Resp: 6557

Ion	Ratio	Lower	Upper
55	100		
85	78.8	19.8	29.6#
113	85.6	29.6	44.4#

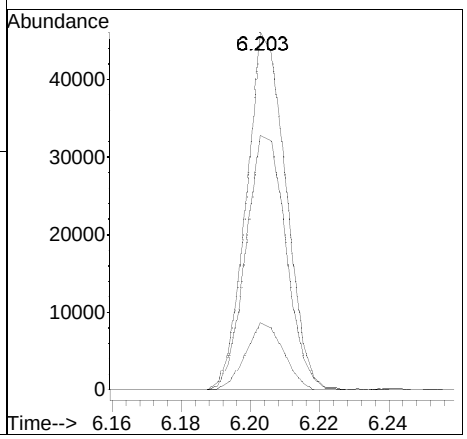


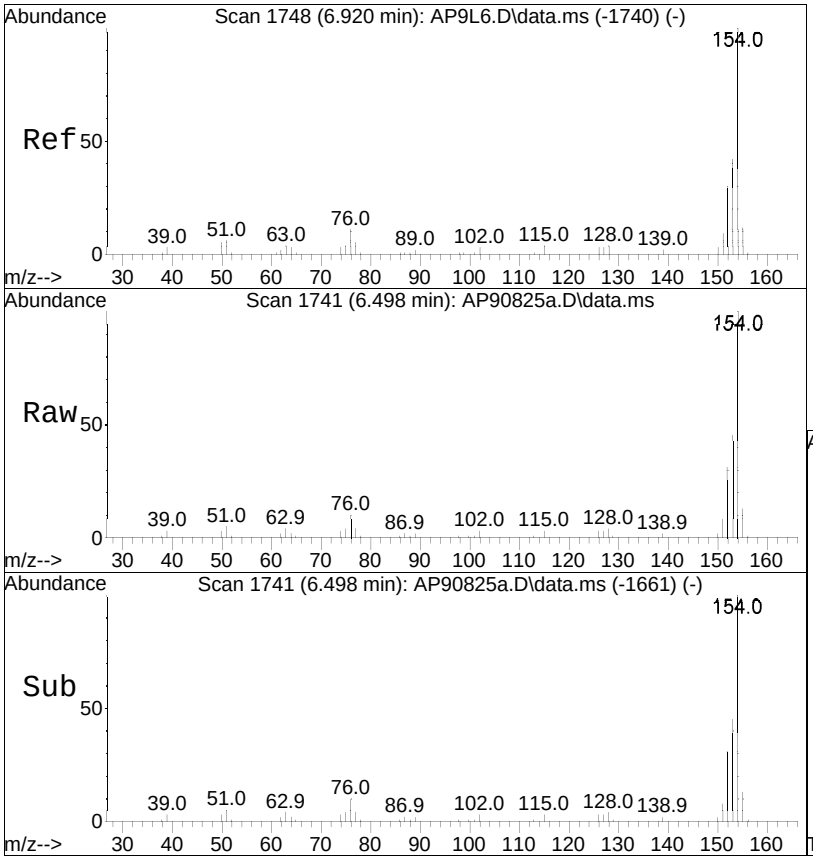


#61
1,2,4,5-Tetrachlorobenzene
Concen: 3.80 ug/ml
RT: 6.203 min Scan# 1646
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:216 Resp: 36249

Ion	Ratio	Lower	Upper
216	100		
214	72.6	63.7	95.5
179	18.0	19.0	28.6#

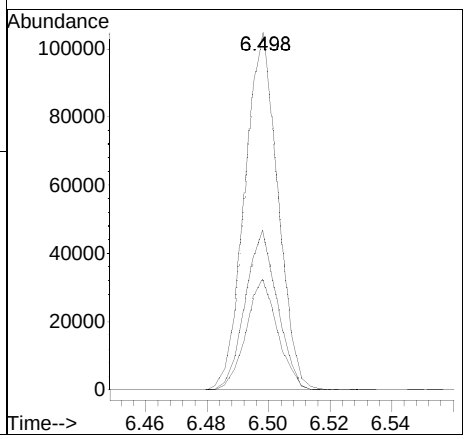


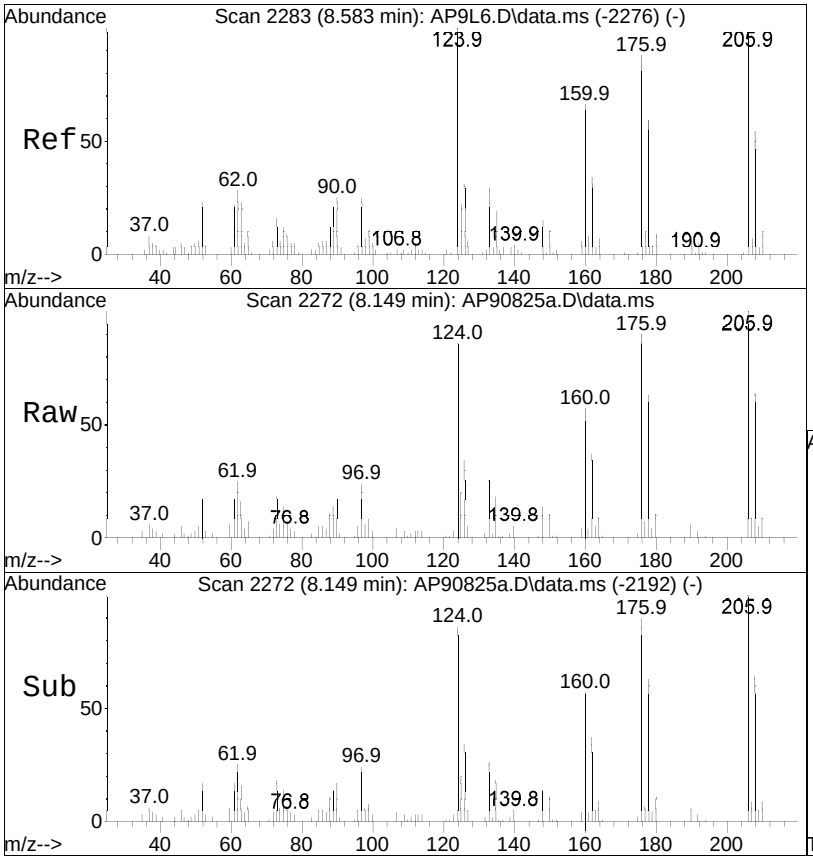


#62
Biphenyl
Concen: 3.82 ug/ml
RT: 6.498 min Scan# 1741
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:154 Resp: 77981

Ion	Ratio	Lower	Upper
154	100		
153	43.3	32.3	48.5
152	29.7	22.5	33.7

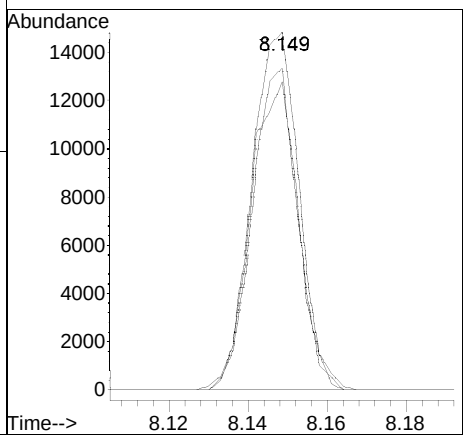


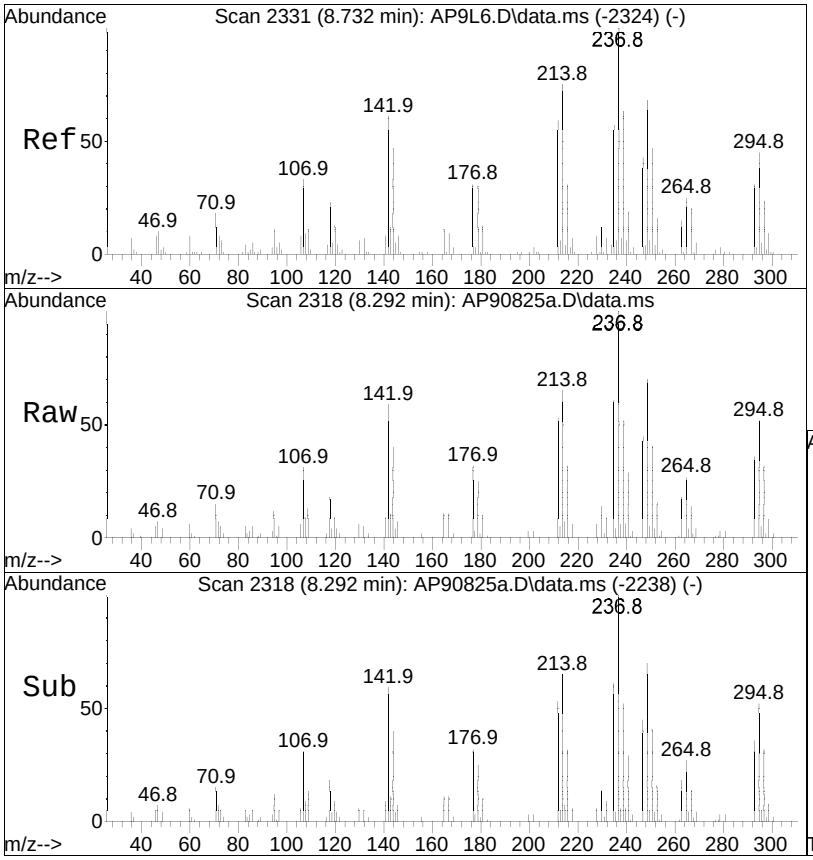


#84
Dichloran
Concen: 3.96 ug/ml
RT: 8.149 min Scan# 2272
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:206 Resp: 12325

Ion	Ratio	Lower	Upper
206	100		
176	85.4	104.6	157.0#
124	86.5	130.5	195.7#

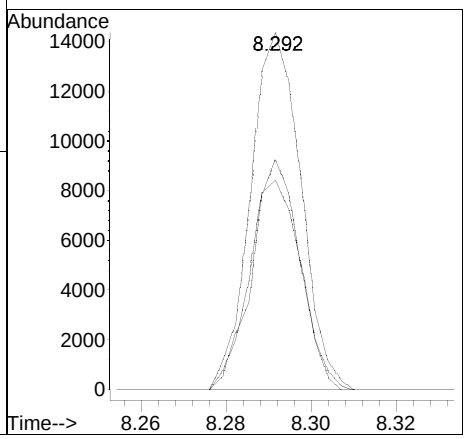


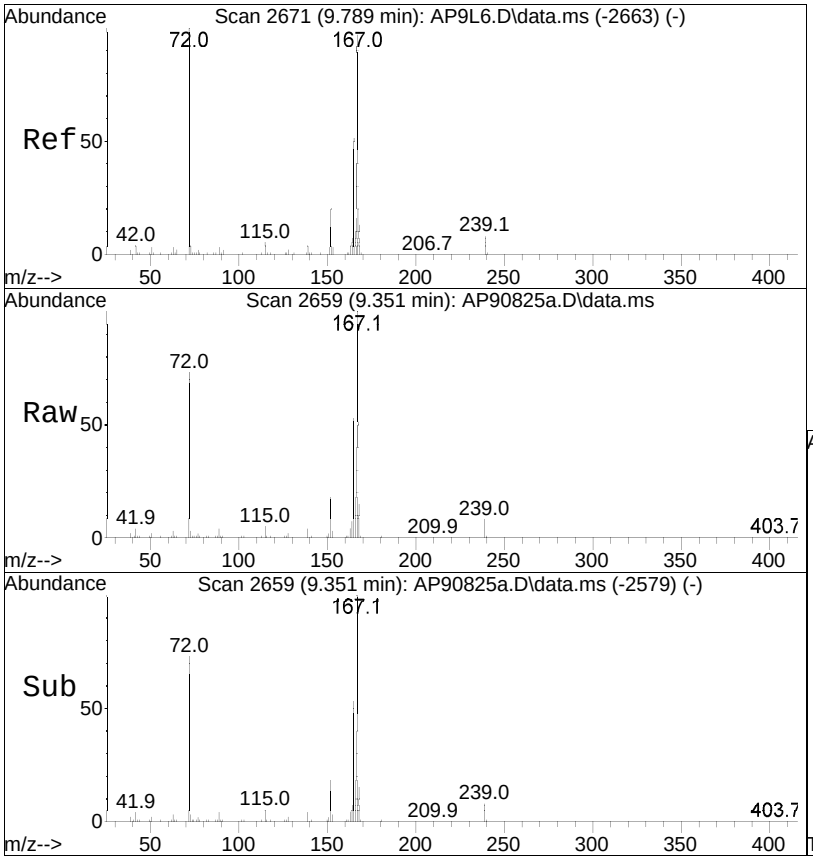


#85
Pentachloronitrobenzene
Concen: 4.05 ug/ml
RT: 8.292 min Scan# 2318
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:237 Resp: 11765

Ion	Ratio	Lower	Upper
237	100		
142	61.2	77.0	115.4#
214	61.1	58.2	87.4

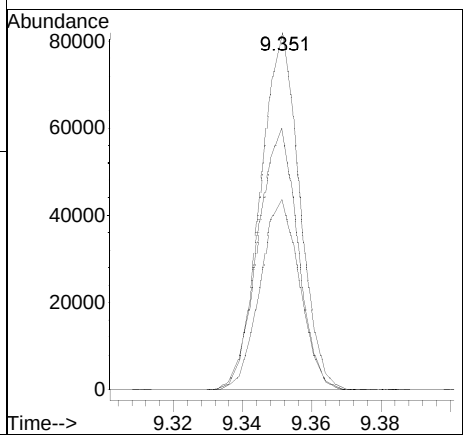




#99
Diphenamid
Concen: 4.00 ug/ml
RT: 9.351 min Scan# 2659
Delta R.T. 0.000 min
Lab File: AP90825a.D
Acq: 25 Aug 2024 9:59 pm

Tgt Ion:167 Resp: 63825

Ion	Ratio	Lower	Upper
167	100		
72	74.8	109.7	164.5#
165	54.3	41.8	62.6



Manual Integration Report

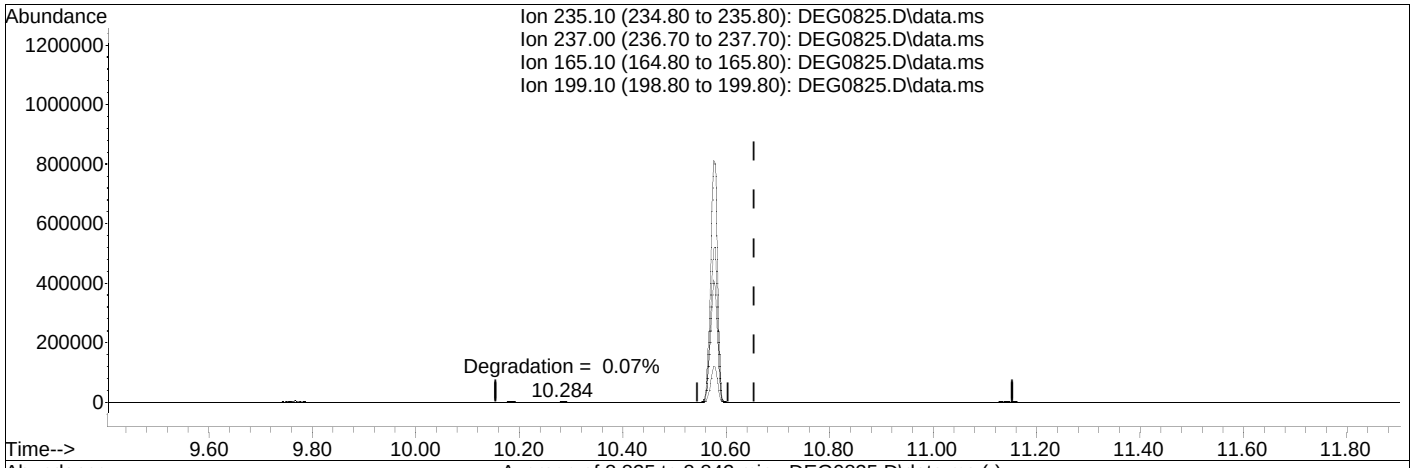
Data Path	: I:\8270\Dakota\240825aRVT\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: AP90825a.D	Operator	: Dakota:mrg
Date Inj'd	: 8/25/2024 9:59 pm	Instrument	: Dakota
Sample	: WG1963655-4,32,,AP9 10909	Quant Date	: 8/25/2024 10:19 pm

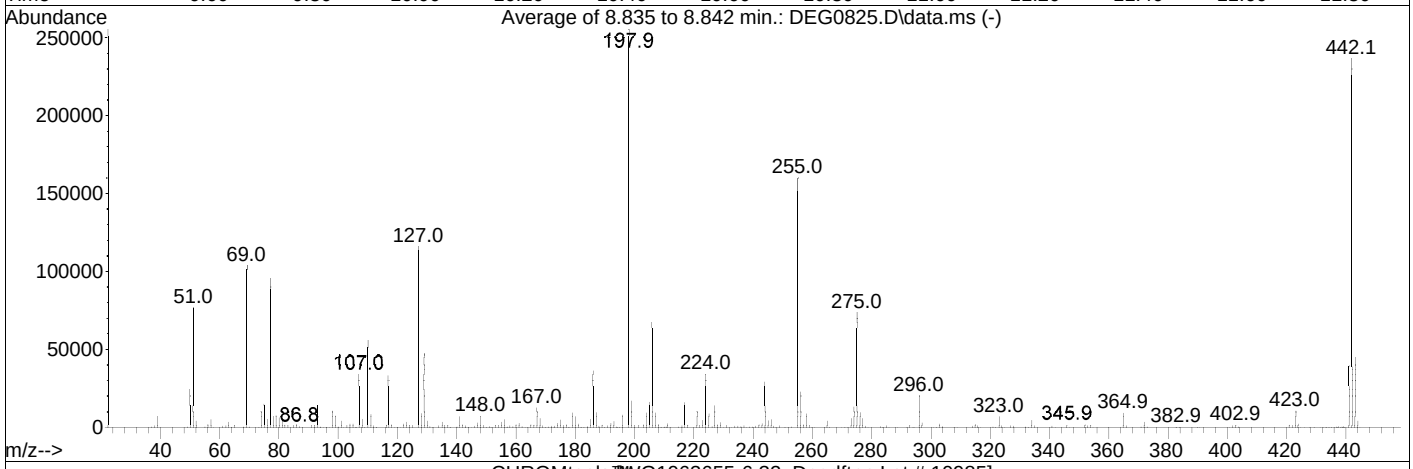
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : DEG0825.D
Acq On : 25 Aug 2024 8:28 pm
Operator : Dakota:mrg
Sample : WG1963655-2,32,,Degdftpp Lot # 10985
Misc : WG1963655,,ical21225
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 25 20:49:56 2024
Quant Method : I:\8270\Dakota\240825aRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 23 21:59:27 2024
Response via : Initial Calibration





CHROMtools [WG1963655-6,32,,Degdftpp Lot # 10985]

(6) DDT (T)

10.576min (-0.078) 119.50

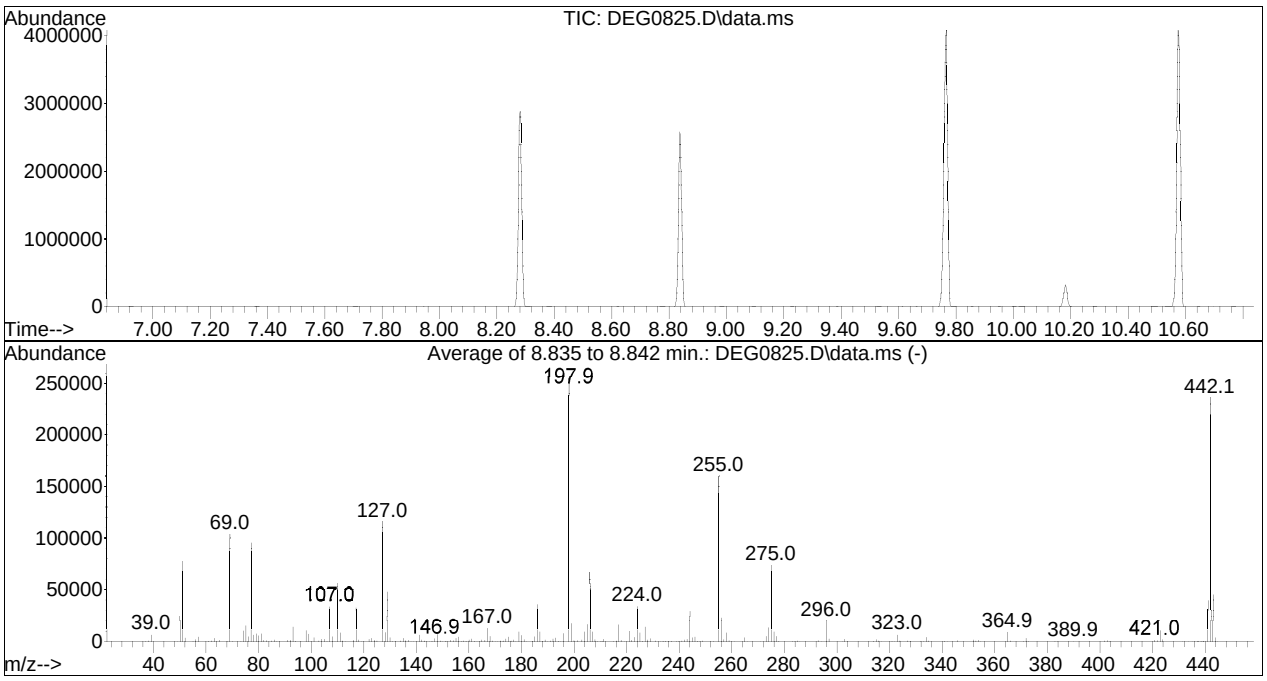
response 728416

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	66.20	64.86
165.10	47.40	48.64
199.10	13.90	14.57

Data Path : I:\8270\Dakota\240825aRVT\
Data File : DEG0825.D
Acq On : 25 Aug 2024 8:28 pm
Operator : Dakota:mrg
Sample : WG1963655-1,32,,Degdftpp Lot # 10985
Misc : WG1963655,,ical21225
ALS Vial : 100 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Aug 25 22:19:20 2024



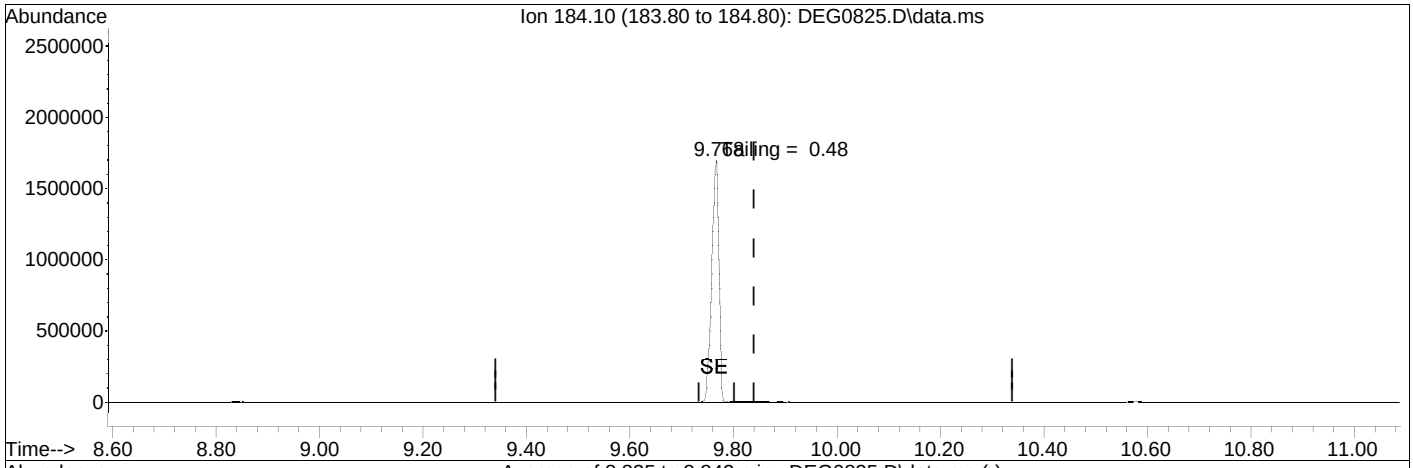
Spectrum Information: Average of 8.835 to 8.842 min.

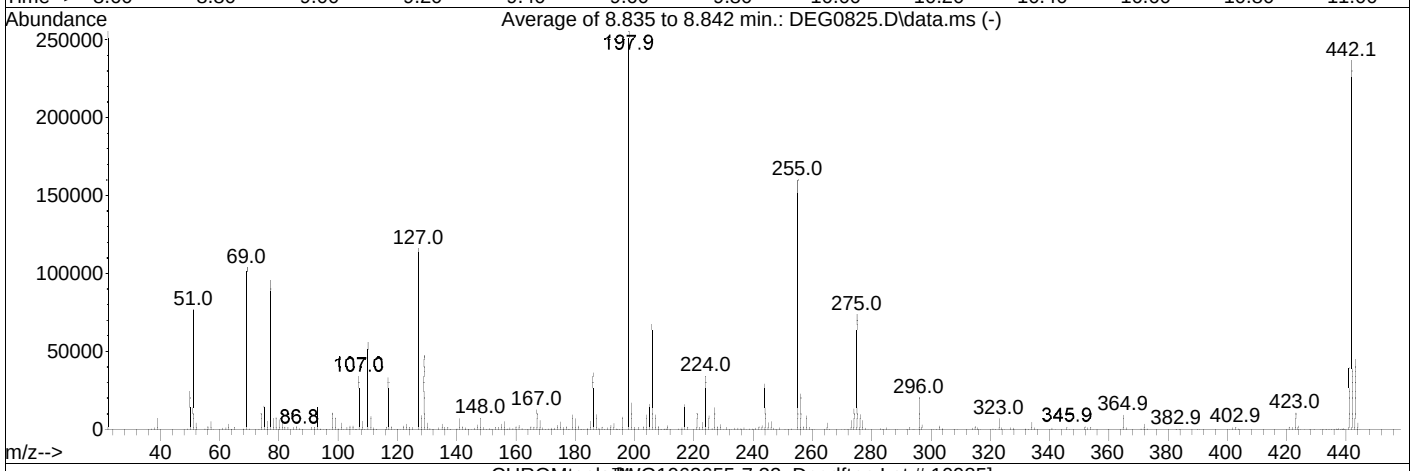
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	76995	PASS
68	69	0.00	2	0.7	714	PASS
69	69	100	100	100.0	103613	PASS
70	69	0.00	2	0.5	568	PASS
127	198	10	80	45.4	115864	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	255467	PASS
199	198	5	9	6.7	17119	PASS
275	198	10	60	28.8	73485	PASS
365	198	1	100	3.6	9154	PASS
441	442	0.01	24	16.8	39648	PASS
442	198	50	100	92.5	236395	PASS
443	442	15	24	18.9	44717	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : DEG0825.D
Acq On : 25 Aug 2024 8:28 pm
Operator : Dakota:mrg
Sample : WG1963655-6,32,,Degdftpp Lot # 10985
Misc : WG1963655,,ical21225
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 25 20:49:56 2024
Quant Method : I:\8270\Dakota\240825aRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 23 21:59:27 2024
Response via : Initial Calibration





CHROMtools [WG1963655-7,32,,Degdftpp Lot # 10985]

(3) Benzidine (T)

9.768min (-0.072) 152.67

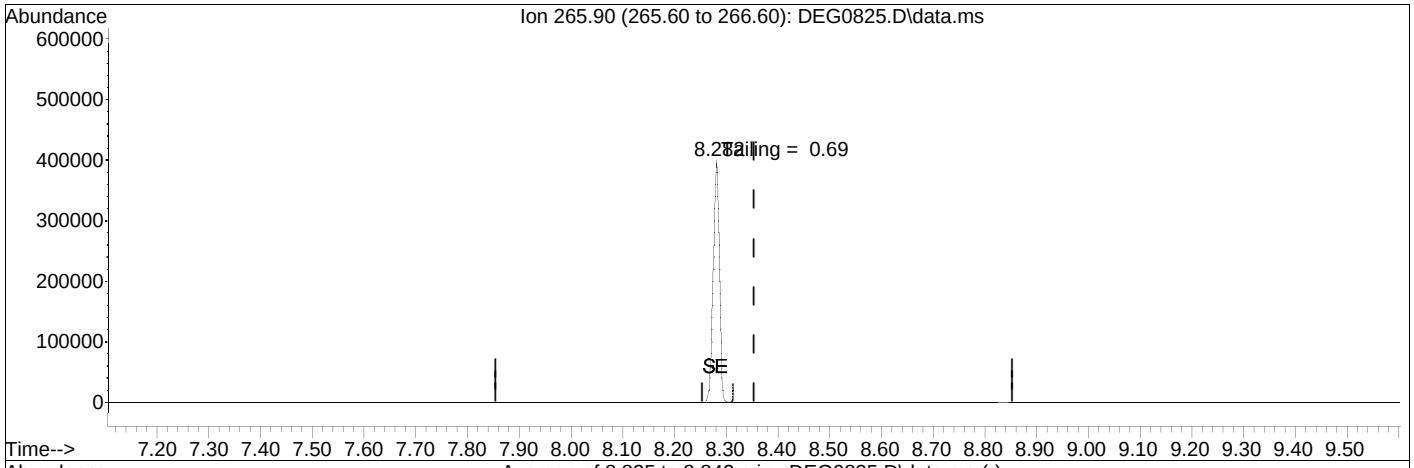
response 1554212

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : DEG0825.D
Acq On : 25 Aug 2024 8:28 pm
Operator : Dakota:mrg
Sample : WG1963655-7,32,,Degdftpp Lot # 10985
Misc : WG1963655,,ical21225
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Aug 25 20:49:56 2024
Quant Method : I:\8270\Dakota\240825aRVT\DftppDakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Aug 23 21:59:27 2024
Response via : Initial Calibration



CHROMtools [wg-1,32,,Degdftpp Lot # 10985]

(1) Pentachlorophenol (T)

8.282min (-0.072) 148.53

response 311965

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	64	0
n-Nitrosodimethylamine	0.695	0.58	-	16.5	20	57	0
Pyridine	1.127	0.839	-	25.6*	20	52	0
2-Fluorophenol	1.028	0.984	-	4.3	20	63	0
Aniline	1.706	1.501	-	12	20	60	0
2-Chlorophenol	1.15	1.167	-	-1.5	20	66	0
Phenol-d6	1.297	1.206	-	7	20	64	0
Phenol	1.512	1.308	-	13.5	20	58	0
Bis(2-chloroethyl)ether	0.991	0.877	-	11.5	20	60	0
1,3-Dichlorobenzene	1.48	1.48	-	0	20	66	0
1,4-Dichlorobenzene	1.533	1.49	-	2.8	20	66	0
1,2-Dichlorobenzene	1.454	1.477	-	-1.6	20	69	0
Benzyl alcohol	0.973	0.86	-	11.6	20	57	0
Bis(2-chloroisopropyl)ethe	1.478	0.735	-	50.3*	20	34	0
2-Methylphenol	1.039	1.023	-	1.5	20	65	0
Hexachloroethane	0.544	0.47	-	13.6	20	59	0
n-Nitrosodi-n-propylamine	0.912	0.72	-	21.1*	20	54	0
3-Methylphenol/4-Methylphe	1.095	1.108	-	-1.2	20	68	0
Nitrobenzene-d5	1.354	1.136	-	16.1	20	58	0
Nitrobenzene	1.298	1.047	-	19.3	20	55	0
Isophorone	2.275	1.951	-	14.2	20	56	0
2-Nitrophenol	0.644	0.705	-	-9.5	20	75	0
2,4-Dimethylphenol	1.097	1.107	-	-0.9	20	68	0
Bis(2-chloroethoxy)methane	1.398	1.113	-	20.4*	20	53	0
2,4-Dichlorophenol	1.237	1.298	-	-4.9	20	68	0
1,2,4-Trichlorobenzene	1.544	1.487	-	3.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.042	0.971	-	6.8	20	69	0
Benzoic Acid	5	5.038	-	-0.8	20	79	0
4-Chloroaniline	0.127	0.099	-	22*	20	55	0
Hexachlorobutadiene	0.25	0.223	-	10.8	20	65	0
p-Chloro-m-cresol	0.291	0.265	-	8.9	20	64	0
2-Methylnaphthalene	0.749	0.714	-	4.7	20	69	0
1-Methylnaphthalene	0.245	0.22	-	10.2	20	66	0
Hexachlorocyclopentadiene	0.29	0.287	-	1	20	72	0
2,4,6-Trichlorophenol	0.296	0.294	-	0.7	20	72	0
2,4,5-Trichlorophenol	0.316	0.303	-	4.1	20	67	0
2-Fluorobiphenyl	1.003	0.95	-	5.3	20	68	0
2-Chloronaphthalene	0.83	0.798	-	3.9	20	69	0
2-Nitroaniline	0.221	0.236	-	-6.8	20	76	0
1,4-Dinitrobenzene	0.117	0.125	-	-6.8	20	76	0
1,3-Dinitrobenzene	0.127	0.139	-	-9.4	20	73	0
Dimethyl phthalate	1.032	0.974	-	5.6	20	69	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.24	1.242	-	-0.2	20	70	0
2,6-Dinitrotoluene	0.204	0.209	-	-2.5	20	73	0
1,2-Dinitrobenzene	0.074	0.086	-	-16.2	20	74	0
IS1_Acenaphthene-d10	1	1	-	0	20	71	0
3-Nitroaniline	0.297	0.296	-	0.3	20	75	0
Acenaphthene	1.081	1.003	-	7.2	20	71	0
2,4-Dinitrophenol	5	5.35	-	-7	20	85	0
Dibenzofuran	1.903	1.692	-	11.1	20	69	0
2,4-Dinitrotoluene	0.404	0.42	-	-4	20	75	0
4-Nitrophenol	0.249	0.211	-	15.3	20	63	0
2,3,5,6-Tetrachlorophenol	0.428	0.411	-	4	20	74	0
2,3,4,6-Tetrachlorophenol	0.401	0.392	-	2.2	20	70	0
Diethyl phthalate	1.543	1.322	-	14.3	20	66	0
Fluorene	1.448	1.329	-	8.2	20	70	0
4-Chlorophenyl phenyl ethe	0.738	0.669	-	9.3	20	69	0
4-Nitroaniline	0.292	0.319	-	-9.2	20	79	0
4,6-Dinitro-o-cresol	0.255	0.284	-	-11.4	20	78	0
NDPA/DPA	1.243	1.171	-	5.8	20	72	0
Azobenzene	1.252	0.999	-	20.2*	20	61	0
2,4,6-Tribromophenol	0.261	0.287	-	-10	20	79	0
4-Bromophenyl phenyl ether	0.491	0.448	-	8.8	20	73	0
Hexachlorobenzene	0.609	0.569	-	6.6	20	74	0
Pentachlorophenol	0.369	0.383	-	-3.8	20	78	0
IS1_Phenanthrene-d10	1	1	-	0	20	76	0
Phenanthrene	1.081	0.925	-	14.4	20	71	0
Anthracene	1.043	0.934	-	10.5	20	72	0
Carbazole	0.988	0.908	-	8.1	20	74	0
Di-n-butylphthalate	1.134	1.042	-	8.1	20	72	0
Fluoranthene	1.317	1.193	-	9.4	20	74	0
Benzidine	0.734	0.751	-	-2.3	20	78	0
Pyrene	1.356	1.248	-	8	20	74	0
4-Terphenyl-d14	1.04	0.943	-	9.3	20	74	0
Butyl benzyl phthalate	0.51	0.487	-	4.5	20	73	0
IS1_Chrysene-d12	1	1	-	0	20	81	0
Benzo(a)anthracene	1.334	1.181	-	11.5	20	78	0
3,3'-Dichlorobenzidine	0.495	0.482	-	2.6	20	81	0
Chrysene	1.266	1.109	-	12.4	20	77	0
Bis(2-ethylhexyl)phthalate	0.75	0.669	-	10.8	20	72	0
Di-n-octylphthalate	1.251	1.176	-	6	20	76	0
Benzo(b)fluoranthene	1.424	1.34	-	5.9	20	82	0
Benzo(k)fluoranthene	1.355	1.227	-	9.4	20	80	0
Benzo(a)pyrene	1.262	1.206	-	4.4	20	81	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 20:51	
Lab File ID	: ABN0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-3		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.235	1.099	-	11	20	83	0
Dibenzo(a,h)anthracene	1.149	1.037	-	9.7	20	82	0
Benzo(ghi)perylene	1.129	1.037	-	8.1	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 21:35	
Lab File ID	: ADP0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-5		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
1,4-Dioxane	0.45	0.401	-	10.9	20	80	0
n-Decane	1.059	0.621	-	41.4*	20	55	0
IS3_Acenaphthene-d10	1	1	-	0	20	81	0
Atrazine	0.45	0.408	-	9.3	20	85	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.319	0.186	-	41.7*	20	50	0
Parathion	5	4.678	-	6.4	20	85	0
3,3'-Dimethylbenzidine	0.735	0.809	-	-10.1	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 21:59		
Lab File ID	: AP90825A	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-4	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Benzaldehyde	1.036	0.833	-	19.6	20	55	0
Acetophenone	1.772	1.389	-	21.6*	20	53	0
m-Toluidine	1.704	1.357	-	20.4*	20	52	0
2-Chloroaniline	1.648	1.372	-	16.7	20	57	0
IS2_Naphthalene-d8	1	1	-	0	20	69	0
a-Terpineol	0.269	0.146	-	45.7*	20	39	0
3-Chloroaniline	0.15	0.1	-	33.3*	20	47	0
2,6-Dichlorophenol	0.375	0.29	-	22.7*	20	54	0
1-chloro-2-nitrobenzene	0.155	0.107	-	31*	20	50	0
Caprolactam	0.134	0.069	-	48.5*	20	35	0
1,2,4,5-Tetrachlorobenzene	0.499	0.38	-	23.8*	20	55	0
Biphenyl	1.069	0.817	-	23.6*	20	54	0
IS2_Acenaphthene-d10	1	1	-	0	20	72	0
Dichloran	0.236	0.187	-	20.8*	20	61	0
Pentachloronitrobenzene	0.22	0.178	-	19.1	20	56	0
IS2_Phenanthrene-d10	1	1	-	0	20	70	0
Diphenamid	0.521	0.417	-	20	20	55	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
n-Nitrosodimethylamine	0.657	0.712	-	-8.4	20	104	0
Pyridine	1.043	1.077	-	-3.3	20	94	0
2-Fluorophenol	1.05	1.023	-	2.6	20	100	0
Aniline	1.811	1.616	-	10.8	20	96	0
2-Chlorophenol	1.251	1.147	-	8.3	20	98	0
Phenol-d6	1.357	1.289	-	5	20	98	0
Phenol	1.577	1.405	-	10.9	20	94	0
Bis(2-chloroethyl)ether	1.167	1.094	-	6.3	20	102	0
1,3-Dichlorobenzene	1.508	1.356	-	10.1	20	95	0
1,4-Dichlorobenzene	1.575	1.373	-	12.8	20	96	0
1,2-Dichlorobenzene	1.475	1.309	-	11.3	20	95	0
Benzyl alcohol	0.945	0.923	-	2.3	20	101	0
Bis(2-chloroisopropyl)ethe	1.475	1.601	-	-8.5	20	117	0
2-Methylphenol	1.056	0.983	-	6.9	20	97	0
Hexachloroethane	0.558	0.532	-	4.7	20	102	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	100	0
3-Methylphenol/4-Methylphe	1.15	1.069	-	7	20	95	0
Nitrobenzene-d5	1.294	1.231	-	4.9	20	99	0
Nitrobenzene	1.289	1.226	-	4.9	20	99	0
Isophorone	2.328	2.133	-	8.4	20	98	0
2-Nitrophenol	0.574	0.586	-	-2.1	20	106	0
2,4-Dimethylphenol	1.101	1.029	-	6.5	20	107	0
Bis(2-chloroethoxy)methane	1.567	1.374	-	12.3	20	98	0
2,4-Dichlorophenol	1.153	1.042	-	9.6	20	97	0
1,2,4-Trichlorobenzene	1.46	1.17	-	19.9	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.049	0.933	-	11.1	20	92	0
Benzoic Acid	5	4.999	-	0	20	111	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	102	0
Hexachlorobutadiene	0.246	0.209	-	15	20	91	0
p-Chloro-m-cresol	0.277	0.27	-	2.5	20	99	0
2-Methylnaphthalene	0.713	0.606	-	15	20	92	0
1-Methylnaphthalene	0.245	0.203	-	17.1	20	92	0
Hexachlorocyclopentadiene	0.251	0.229	-	8.8	20	100	0
2,4,6-Trichlorophenol	0.256	0.233	-	9	20	92	0
2,4,5-Trichlorophenol	0.262	0.249	-	5	20	95	0
2-Fluorobiphenyl	0.904	0.746	-	17.5	20	90	0
2-Chloronaphthalene	0.759	0.647	-	14.8	20	92	0
2-Nitroaniline	0.2	0.203	-	-1.5	20	105	0
1,4-Dinitrobenzene	0.098	0.099	-	-1	20	103	0
1,3-Dinitrobenzene	0.114	0.114	-	0	20	102	0
Dimethyl phthalate	0.923	0.779	-	15.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.011	-	9.7	20	94	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	102	0
1,2-Dinitrobenzene	0.076	0.073	-	3.9	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.299	0.312	-	-4.3	20	100	0
Acenaphthene	1.115	0.969	-	13.1	20	92	0
2,4-Dinitrophenol	5	5.716	-	-14.3	20	126	0
Dibenzofuran	1.837	1.588	-	13.6	20	91	0
2,4-Dinitrotoluene	0.383	0.395	-	-3.1	20	100	0
4-Nitrophenol	0.29	0.283	-	2.4	20	98	0
2,3,5,6-Tetrachlorophenol	0.377	0.372	-	1.3	20	95	0
2,3,4,6-Tetrachlorophenol	0.37	0.364	-	1.6	20	98	0
Diethyl phthalate	1.487	1.317	-	11.4	20	97	0
Fluorene	1.431	1.263	-	11.7	20	93	0
4-Chlorophenyl phenyl ethe	0.78	0.621	-	20.4*	20	89	0
4-Nitroaniline	0.314	0.312	-	0.6	20	92	0
4,6-Dinitro-o-cresol	5	4.99	-	0.2	20	119	0
NDPA/DPA	1.231	1.078	-	12.4	20	92	0
Azobenzene	1.305	1.249	-	4.3	20	98	0
2,4,6-Tribromophenol	0.257	0.231	-	10.1	20	97	0
4-Bromophenyl phenyl ether	0.5	0.396	-	20.8*	20	89	0
Hexachlorobenzene	0.628	0.487	-	22.5*	20	91	0
Pentachlorophenol	0.322	0.325	-	-0.9	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	100	0
Phenanthrene	1.058	0.933	-	11.8	20	92	0
Anthracene	1.035	0.936	-	9.6	20	94	0
Carbazole	0.948	0.886	-	6.5	20	93	0
Di-n-butylphthalate	1.034	1.007	-	2.6	20	103	0
Fluoranthene	1.228	1.112	-	9.4	20	94	0
Benzidine	0.675	0.694	-	-2.8	20	99	0
Pyrene	1.301	1.176	-	9.6	20	91	0
4-Terphenyl-d14	1.029	0.864	-	16	20	90	0
Butyl benzyl phthalate	0.458	0.47	-	-2.6	20	111	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.284	1.153	-	10.2	20	90	0
3,3'-Dichlorobenzidine	0.468	0.453	-	3.2	20	94	0
Chrysene	1.259	1.132	-	10.1	20	91	0
Bis(2-ethylhexyl)phthalate	0.639	0.656	-	-2.7	20	105	0
Di-n-octylphthalate	0.979	1.125	-	-14.9	20	110	0
Benzo(b)fluoranthene	1.317	1.253	-	4.9	20	94	0
Benzo(k)fluoranthene	1.202	1.163	-	3.2	20	88	0
Benzo(a)pyrene	1.149	1.109	-	3.5	20	92	0
IS1_Perylene-d12	1	1	-	0	20	98	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:05	
Lab File ID	: ABN0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.996	-	10.9	20	86	0
Dibenzo(a,h)anthracene	1.068	0.993	-	7	20	91	0
Benzo(ghi)perylene	1.078	0.979	-	9.2	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:27		
Lab File ID	: AP90826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	1.094	0.941	-	14	20	79	0
Acetophenone	1.903	1.584	-	16.8	20	72	0
m-Toluidine	1.828	1.522	-	16.7	20	72	0
2-Chloroaniline	1.742	1.404	-	19.4	20	72	0
IS2_Naphthalene-d8	1	1	-	0	20	88	0
a-Terpineol	0.277	0.26	-	6.1	20	82	0
3-Chloroaniline	0.15	0.133	-	11.3	20	79	0
2,6-Dichlorophenol	0.326	0.273	-	16.3	20	72	0
1-chloro-2-nitrobenzene	0.143	0.128	-	10.5	20	77	0
Caprolactam	5	4.527	-	9.5	20	85	0
1,2,4,5-Tetrachlorobenzene	0.479	0.353	-	26.3*	20	66	0
Biphenyl	1.026	0.774	-	24.6*	20	67	0
IS2_Acenaphthene-d10	1	1	-	0	20	84	0
Dichloran	5	3.809	-	23.8*	20	71	0
Pentachloronitrobenzene	0.235	0.184	-	21.7*	20	68	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.515	0.401	-	22.1*	20	61	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:50	
Lab File ID	: ADP0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-5		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
1,4-Dioxane	0.47	0.476	-	-1.3	20	108	0
n-Decane	1.145	1.34	-	-17	20	120	0
IS3_Acenaphthene-d10	1	1	-	0	20	94	0
Atrazine	0.441	0.403	-	8.6	20	95	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.315	0.395	-	-25.4*	20	124	0
Parathion	5	5.482	-	-9.6	20	117	0
3,3'-Dimethylbenzidine	5	4.621	-	7.6	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
n-Nitrosodimethylamine	0.851	0.943	-	-10.8	20	162	0
Pyridine	1.392	1.432	-	-2.9	20	149	0
2-Fluorophenol	1.156	1.168	-	-1	20	144	0
Aniline	2.049	2.099	-	-2.4	20	150	0
2-Chlorophenol	1.288	1.248	-	3.1	20	145	0
Phenol-d6	1.583	1.673	-	-5.7	20	158	0
Phenol	1.642	1.765	-	-7.5	20	158	0
Bis(2-chloroethyl)ether	1.348	1.337	-	0.8	20	146	0
1,3-Dichlorobenzene	1.546	1.442	-	6.7	20	138	0
1,4-Dichlorobenzene	1.565	1.5	-	4.2	20	143	0
1,2-Dichlorobenzene	1.522	1.439	-	5.5	20	141	0
Benzyl alcohol	1.267	1.465	-	-15.6	20	169	0
Bis(2-chloroisopropyl)ethe	2.166	2.255	-	-4.1	20	156	0
2-Methylphenol	1.183	1.225	-	-3.6	20	151	0
Hexachloroethane	0.623	0.622	-	0.2	20	153	0
n-Nitrosodi-n-propylamine	1.057	1.25	-	-18.3	20	168	0
3-Methylphenol/4-Methylphe	1.279	1.295	-	-1.3	20	149	0
Nitrobenzene-d5	1.619	1.869	-	-15.4	20	172	0
Nitrobenzene	1.643	1.822	-	-10.9	20	167	0
Isophorone	2.76	3.354	-	-21.5*	20	172	0
2-Nitrophenol	0.692	0.724	-	-4.6	20	150	0
2,4-Dimethylphenol	1.301	1.451	-	-11.5	20	163	0
Bis(2-chloroethoxy)methane	1.778	1.832	-	-3	20	152	0
2,4-Dichlorophenol	1.233	1.215	-	1.5	20	142	0
1,2,4-Trichlorobenzene	1.51	1.374	-	9	20	140	0
IS1_Naphthalene-d8	1	1	-	0	20	143	0
Naphthalene	1.147	0.985	-	14.1	20	140	0
Benzoic Acid	5	4.783	-	4.3	20	146	0
4-Chloroaniline	0.169	0.179	-	-5.9	20	163	0
Hexachlorobutadiene	0.303	0.26	-	14.2	20	142	0
p-Chloro-m-cresol	0.343	0.375	-	-9.3	20	167	0
2-Methylnaphthalene	0.764	0.66	-	13.6	20	137	0
1-Methylnaphthalene	0.29	0.297	-	-2.4	20	160	0
Hexachlorocyclopentadiene	0.336	0.312	-	7.1	20	144	0
2,4,6-Trichlorophenol	0.301	0.271	-	10	20	137	0
2,4,5-Trichlorophenol	0.322	0.298	-	7.5	20	138	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	133	0
2-Chloronaphthalene	0.813	0.742	-	8.7	20	144	0
2-Nitroaniline	0.245	0.22	-	10.2	20	135	0
1,4-Dinitrobenzene	0.129	0.128	-	0.8	20	150	0
1,3-Dinitrobenzene	0.147	0.139	-	5.4	20	140	0
Dimethyl phthalate	0.989	0.932	-	5.8	20	145	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.076	-	13.5	20	132	0
2,6-Dinitrotoluene	0.213	0.203	-	4.7	20	141	0
1,2-Dinitrobenzene	0.091	0.087	-	4.4	20	141	0
IS1_Acenaphthene-d10	1	1	-	0	20	149	0
3-Nitroaniline	0.319	0.304	-	4.7	20	142	0
Acenaphthene	1.153	0.995	-	13.7	20	142	0
2,4-Dinitrophenol	0.213	0.209	-	1.9	20	144	0
Dibenzofuran	1.936	1.666	-	13.9	20	142	0
2,4-Dinitrotoluene	0.475	0.421	-	11.4	20	136	0
4-Nitrophenol	0.323	0.376	-	-16.4	20	183	0
2,3,5,6-Tetrachlorophenol	0.452	0.412	-	8.8	20	140	0
2,3,4,6-Tetrachlorophenol	0.435	0.397	-	8.7	20	137	0
Diethyl phthalate	1.529	1.418	-	7.3	20	150	0
Fluorene	1.523	1.255	-	17.6	20	133	0
4-Chlorophenyl phenyl ethe	0.801	0.653	-	18.5	20	138	0
4-Nitroaniline	0.333	0.276	-	17.1	20	133	0
4,6-Dinitro-o-cresol	0.266	0.286	-	-7.5	20	153	0
NDPA/DPA	1.263	1.113	-	11.9	20	139	0
Azobenzene	1.446	1.497	-	-3.5	20	166	0
2,4,6-Tribromophenol	0.249	0.205	-	17.7	20	125	0
4-Bromophenyl phenyl ether	0.5	0.414	-	17.2	20	136	0
Hexachlorobenzene	0.569	0.455	-	20	20	134	0
Pentachlorophenol	0.361	0.324	-	10.2	20	130	0
IS1_Phenanthrene-d10	1	1	-	0	20	143	0
Phenanthrene	1.117	0.963	-	13.8	20	140	0
Anthracene	1.111	0.991	-	10.8	20	139	0
Carbazole	1.018	0.876	-	13.9	20	135	0
Di-n-butylphthalate	1.195	1.181	-	1.2	20	150	0
Fluoranthene	1.366	1.163	-	14.9	20	135	0
Benzidine	0.741	0.772	-	-4.2	20	151	0
Pyrene	1.44	1.226	-	14.9	20	135	0
4-Terphenyl-d14	1.076	0.879	-	18.3	20	131	0
Butyl benzyl phthalate	0.55	0.557	-	-1.3	20	159	0
IS1_Chrysene-d12	1	1	-	0	20	141	0
Benzo(a)anthracene	1.478	1.253	-	15.2	20	135	0
3,3'-Dichlorobenzidine	0.489	0.466	-	4.7	20	135	0
Chrysene	1.429	1.194	-	16.4	20	134	0
Bis(2-ethylhexyl)phthalate	0.817	0.876	-	-7.2	20	155	0
Di-n-octylphthalate	1.352	1.513	-	-11.9	20	165	0
Benzo(b)fluoranthene	1.43	1.174	-	17.9	20	134	0
Benzo(k)fluoranthene	1.356	1.216	-	10.3	20	135	0
Benzo(a)pyrene	1.242	1.107	-	10.9	20	135	0
IS1_Perylene-d12	1	1	-	0	20	141	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 06:53	
Lab File ID	: ABN0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.222	-	-12.9	20	165	0
Dibenzo(a,h)anthracene	1.042	0.986	-	5.4	20	139	0
Benzo(ghi)perylene	0.964	0.956	-	0.8	20	143	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 07:17		
Lab File ID	: AP90827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-4	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
Benzaldehyde	1.187	1.094	-	7.8	20	106	0
Acetophenone	2.158	1.959	-	9.2	20	104	0
m-Toluidine	1.957	1.83	-	6.5	20	107	0
2-Chloroaniline	1.709	1.43	-	16.3	20	96	0
IS2_Naphthalene-d8	1	1	-	0	20	111	0
a-Terpineol	0.4	0.383	-	4.3	20	107	0
3-Chloroaniline	0.201	0.205	-	-2	20	114	0
2,6-Dichlorophenol	0.362	0.312	-	13.8	20	92	0
1-chloro-2-nitrobenzene	0.18	0.176	-	2.2	20	105	0
Caprolactam	0.21	0.21	-	0	20	103	0
1,2,4,5-Tetrachlorobenzene	0.548	0.42	-	23.4*	20	88	0
Biphenyl	1.084	0.842	-	22.3*	20	88	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	0.247	0.181	-	26.7*	20	77	0
Pentachloronitrobenzene	0.27	0.228	-	15.6	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	102	0
Diphenamid	0.561	0.449	-	20	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 07:40	
Lab File ID	: ADP0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-5		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
1,4-Dioxane	0.584	0.63	-	-7.9	20	164	0
n-Decane	1.662	1.875	-	-12.8	20	155	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.509	0.45	-	11.6	20	127	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.498	0.543	-	-9	20	140	0
Parathion	0.124	0.139	-	-12.1	20	147	0
3,3'-Dimethylbenzidine	0.791	0.879	-	-11.1	20	130	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	104	0.00
2	T	n-Nitrosodimethylamine		0.657	0.712	-8.4	104	0.00
3	T	Pyridine		1.043	1.077	-3.3	94	0.00
4	S	2-Fluorophenol		1.050	1.023	2.6	100	0.00
5	T	Aniline		1.811	1.616	10.8	96	0.00
6	T	2-Chlorophenol		1.251	1.147	8.3	98	0.00
7	S	Phenol-d6		1.357	1.289	5.0	98	0.00
8	T	Phenol		1.577	1.405	10.9	94	0.00
9	T	Bis(2-chloroethyl)ether		1.167	1.094	6.3	102	0.00
10	T	1,3-Dichlorobenzene		1.508	1.356	10.1	95	0.00
11	T	1,4-Dichlorobenzene		1.575	1.373	12.8	96	0.00
12	T	1,2-Dichlorobenzene		1.475	1.309	11.3	95	0.00
13	T	Benzyl alcohol		0.945	0.923	2.3	101	0.00
14	T	Bis(2-chloroisopropyl)ether		1.475	1.601	-8.5	117	0.00
15	T	2-Methylphenol		1.056	0.983	6.9	97	0.00
16	T	Hexachloroethane		0.558	0.532	4.7	102	0.00
17	T	n-Nitrosodi-n-propylamine		0.865	0.809	6.5	100	0.00
18	T	3-Methylphenol/4-Methylphen		1.150	1.069	7.0	95	0.00
19	S	Nitrobenzene-d5		1.294	1.231	4.9	99	0.00
20	T	Nitrobenzene		1.289	1.226	4.9	99	0.00
21	T	Isophorone		2.328	2.133	8.4	98	0.00
22	T	2-Nitrophenol		0.574	0.586	-2.1	106	0.00
23	T	2,4-Dimethylphenol		1.101	1.029	6.5	107	0.00
24	T	Bis(2-chloroethoxy)methane		1.567	1.374	12.3	98	0.00
25	T	2,4-Dichlorophenol		1.153	1.042	9.6	97	0.00
26	T	1,2,4-Trichlorobenzene		1.460	1.170	19.9	91	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	99	0.00
36	T	Naphthalene		1.049	0.933	11.1	92	0.00
37	T	Benzoic Acid	*	5.000	4.999	0.0	111	0.00
38	T	4-Chloroaniline		0.118	0.121	-2.5	102	0.00
39	T	Hexachlorobutadiene		0.246	0.209	15.0	91	0.00
40	T	p-Chloro-m-cresol		0.277	0.270	2.5	99	0.00
41	T	2-Methylnaphthalene		0.713	0.606	15.0	92	0.00
42	T	1-Methylnaphthalene		0.245	0.203	17.1	92	0.00
43	T	Hexachlorocyclopentadiene		0.251	0.229	8.8	100	0.00
44	T	2,4,6-Trichlorophenol		0.256	0.233	9.0	92	0.00
45	T	2,4,5-Trichlorophenol		0.262	0.249	5.0	95	0.00
46	S	2-Fluorobiphenyl		0.904	0.746	17.5	90	0.00

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.759	0.647	14.8	92	0.00
48	T	2-Nitroaniline		0.200	0.203	-1.5	105	0.00
49	T	1,4-Dinitrobenzene		0.098	0.099	-1.0	103	0.00
50	T	1,3-Dinitrobenzene		0.114	0.114	0.0	102	0.00
51	T	Dimethyl phthalate		0.923	0.779	15.6	93	0.00
52	T	Acenaphthylene		1.120	1.011	9.7	94	0.00
53	T	2,6-Dinitrotoluene		0.173	0.169	2.3	102	0.00
54	T	1,2-Dinitrobenzene		0.076	0.073	3.9	102	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	99	0.00
64	T	3-Nitroaniline		0.299	0.312	-4.3	100	0.00
65	T	Acenaphthene		1.115	0.969	13.1	92	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.716	-14.3	126	0.00
67	T	Dibenzofuran		1.837	1.588	13.6	91	0.00
68	T	2,4-Dinitrotoluene		0.383	0.395	-3.1	100	0.00
69	T	4-Nitrophenol		0.290	0.283	2.4	98	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.377	0.372	1.3	95	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.370	0.364	1.6	98	0.00
72	T	Diethyl phthalate		1.487	1.317	11.4	97	0.00
73	T	Fluorene		1.431	1.263	11.7	93	0.00
74	T	4-Chlorophenyl phenyl ether		0.780	0.621	20.4#	89	0.00
75	T	4-Nitroaniline		0.314	0.312	0.6	92	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.990	0.2	119	0.00
77	T	NDPA/DPA		1.231	1.078	12.4	92	0.00
78	T	Azobenzene		1.305	1.249	4.3	98	0.00
79	S	2,4,6-Tribromophenol		0.257	0.231	10.1	97	0.00
80	T	4-Bromophenyl phenyl ether		0.500	0.396	20.8#	89	0.00
81	T	Hexachlorobenzene		0.628	0.487	22.5#	91	0.00
82	T	Pentachlorophenol		0.322	0.325	-0.9	106	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	100	0.00
89	T	Phenanthrene		1.058	0.933	11.8	92	0.00
90	T	Anthracene		1.035	0.936	9.6	94	0.00
91	T	Carbazole		0.948	0.886	6.5	93	0.00
92	T	Di-n-butylphthalate		1.034	1.007	2.6	103	0.00
93	T	Fluoranthene		1.228	1.112	9.4	94	0.00
94	T	Benzidine		0.675	0.694	-2.8	99	0.00
95	T	Pyrene		1.301	1.176	9.6	91	0.00
96	S	4-Terphenyl-d14		1.029	0.864	16.0	90	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.458	0.470	-2.6	111	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	97	0.00
105	T	Benzo(a)anthracene	1.284	1.153	10.2	90	0.00
106	T	3,3'-Dichlorobenzidine	0.468	0.453	3.2	94	0.00
107	T	Chrysene	1.259	1.132	10.1	91	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.639	0.656	-2.7	105	0.00
109	T	Di-n-octylphthalate	0.979	1.125	-14.9	110	0.00
110	T	Benzo(b)fluoranthene	1.317	1.253	4.9	94	0.00
111	T	Benzo(k)fluoranthene	1.202	1.163	3.2	88	0.00
112	T	Benzo(a)pyrene	1.149	1.109	3.5	92	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	98	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.118	0.996	10.9	86	0.00
115	T	Dibenzo(a,h)anthracene	1.068	0.993	7.0	91	0.00
116	T	Benzo(ghi)perylene	1.078	0.979	9.2	91	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	22155	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	5.116	136	80666	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	6.798	164	48614	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.198	188	103722	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	10.728	240	108066	4.000	ug/ml	0.00
113) IS1_Perylene-d12	12.104	264	129326	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.546	112	28343	4.872	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 243.60%#			
7) Phenol-d6	3.605	99	35692	4.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 237.50%#			
19) Nitrobenzene-d5	4.428	82	34080	4.755	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 475.50%#			
46) 2-Fluorobiphenyl	6.193	172	75211	4.123	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 412.30%#			
79) 2,4,6-Tribromophenol	7.551	330	14015	4.491	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 224.55%#			
96) 4-Terphenyl-d14	9.769	244	112082	4.201	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 420.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.199	74	19717	5.417	ug/ml	96
3) Pyridine	1.216	79	29820	5.164	ug/ml	93
5) Aniline	3.546	93	44746	4.461	ug/ml	100
6) 2-Chlorophenol	3.669	128	31773	4.587	ug/ml	97
8) Phenol	3.622	94	38919	4.456	ug/ml	99
9) Bis(2-chloroethyl)ether	3.646	93	30293	4.686	ug/ml#	73
10) 1,3-Dichlorobenzene	3.805	146	37540	4.493	ug/ml	97
11) 1,4-Dichlorobenzene	3.881	146	38011	4.358	ug/ml	97
12) 1,2-Dichlorobenzene	4.028	146	36252	4.436	ug/ml	97
13) Benzyl alcohol	4.052	79	25550	4.883	ug/ml	97
14) Bis(2-chloroisopropyl)...	4.199	45	44328	5.427	ug/ml#	72
15) 2-Methylphenol	4.210	108	27216	4.651	ug/ml	97
16) Hexachloroethane	4.357	117	14725	4.767	ug/ml#	72
17) n-Nitrosodi-n-propylamine	4.322	70	22402	4.675	ug/ml	93
18) 3-Methylphenol/4-Methy...	4.375	108	29591	4.644	ug/ml	98
20) Nitrobenzene	4.446	77	33940	4.752	ug/ml	97
21) Isophorone	4.693	82	59074	4.581	ug/ml	99
22) 2-Nitrophenol	4.763	139	16238	5.105	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	4.881	107	28486	4.670	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.952	93	38056	4.385	ug/ml	99
25) 2,4-Dichlorophenol	5.022	162	28850	4.518	ug/ml	95
26) 1,2,4-Trichlorobenzene	5.075	180	32397	4.006	ug/ml	97
36) Naphthalene	5.134	128	94077	4.449	ug/ml	99
37) Benzoic Acid	4.987	105	18400	4.999	ug/ml	97
38) 4-Chloroaniline	5.222	65	12167	5.120	ug/ml	96
39) Hexachlorobutadiene	5.299	225	21039	4.245	ug/ml	99
40) p-Chloro-m-cresol	5.757	107	27231	4.877	ug/ml	97
41) 2-Methylnaphthalene	5.810	142	61115	4.250	ug/ml	97
42) 1-Methylnaphthalene	5.899	115	20508	4.146	ug/ml	94
43) Hexachlorocyclopentadiene	5.987	237	23045	4.555	ug/ml	100
44) 2,4,6-Trichlorophenol	6.116	196	23461	4.536	ug/ml	99
45) 2,4,5-Trichlorophenol	6.151	196	25064	4.736	ug/ml	99
47) 2-Chloronaphthalene	6.269	162	65267	4.267	ug/ml	94
48) 2-Nitroaniline	6.393	138	20423	5.053	ug/ml	97
49) 1,4-Dinitrobenzene	6.534	168	10009	5.048	ug/ml	97
50) 1,3-Dinitrobenzene	6.604	168	11498	5.001	ug/ml	93
51) Dimethyl phthalate	6.610	163	78576	4.223	ug/ml	100
52) Acenaphthylene	6.651	152	101936	4.514	ug/ml	99
53) 2,6-Dinitrotoluene	6.646	165	17019	4.890	ug/ml#	77
54) 1,2-Dinitrobenzene	6.681	168	7349	4.797	ug/ml#	1
64) 3-Nitroaniline	6.793	138	18962	5.222	ug/ml#	98
65) Acenaphthene	6.828	154	58904	4.348	ug/ml	97
66) 2,4-Dinitrophenol	6.893	184	11358	5.716	ug/ml	89
67) Dibenzofuran	6.998	168	96477	4.321	ug/ml	93
68) 2,4-Dinitrotoluene	7.022	165	24000	5.152	ug/ml#	85
69) 4-Nitrophenol	7.034	65	17207	4.890	ug/ml	92
70) 2,3,5,6-Tetrachlorophenol	7.098	232	22593	4.936	ug/ml	97
71) 2,3,4,6-Tetrachlorophenol	7.140	232	22093	4.914	ug/ml	99
72) Diethyl phthalate	7.298	149	80048	4.431	ug/ml	98
73) Fluorene	7.322	166	76758	4.415	ug/ml	96
74) 4-Chlorophenyl phenyl ...	7.357	204	37729	3.982	ug/ml#	85
75) 4-Nitroaniline	7.369	138	18941	4.958	ug/ml	97
76) 4,6-Dinitro-o-cresol	7.404	198	14898	4.990	ug/ml#	83
77) NDPA/DPA	7.475	169	65499	4.379	ug/ml	95
78) Azobenzene	7.498	77	75897M6	4.785	ug/ml	
80) 4-Bromophenyl phenyl e...	7.816	248	24087	3.968	ug/ml#	84
81) Hexachlorobenzene	7.846	284	29564	3.876	ug/ml#	87
82) Pentachlorophenol	8.051	266	19734	5.038	ug/ml	97
89) Phenanthrene	8.216	178	120973	4.409	ug/ml	99

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	8.269	178	121407	4.523	ug/ml	99
91) Carbazole	8.445	167	114906	4.675	ug/ml	98
92) Di-n-butylphthalate	8.869	149	130620	4.872	ug/ml	100
93) Fluoranthene	9.345	202	144169M3	4.528	ug/ml	
94) Benzidine	9.522	184	90015	5.142	ug/ml	97
95) Pyrene	9.551	202	152526	4.520	ug/ml	99
97) Butyl benzyl phthalate	10.287	149	60903	5.134	ug/ml	96
105) Benzo(a)anthracene	10.716	228	155705	4.487	ug/ml	99
106) 3,3'-Dichlorobenzidine	10.739	252	61145	4.837	ug/ml	98
107) Chrysene	10.751	228	152946	4.496	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	10.904	149	88579	5.133	ug/ml	99
109) Di-n-octylphthalate	11.545	149	151947	5.746	ug/ml	99
110) Benzo(b)fluoranthene	11.757	252	169264	4.756	ug/ml	97
111) Benzo(k)fluoranthene	11.781	252	157148M3	4.838	ug/ml	
112) Benzo(a)pyrene	12.051	252	149776	4.823	ug/ml#	96
114) Indeno(1,2,3-cd)pyrene	13.028	276	161005M3	4.453	ug/mL	
115) Dibenzo(a,h)anthracene	13.057	278	160575	4.650	ug/ml#	93
116) Benzo(ghi)perylene	13.233	276	158338	4.544	ug/ml	95

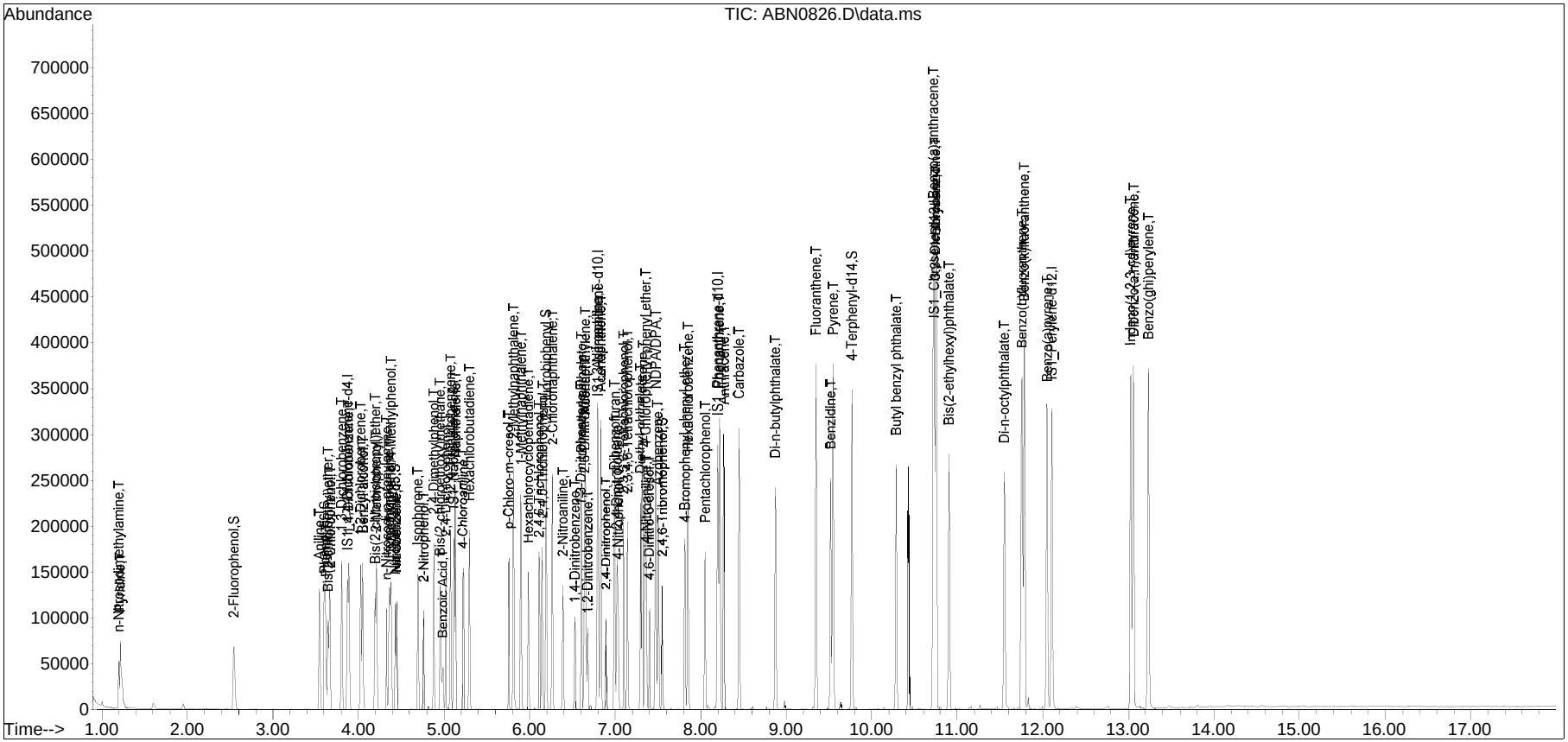
(#) = qualifier out of range (m) = manual integration (+) = signals summed

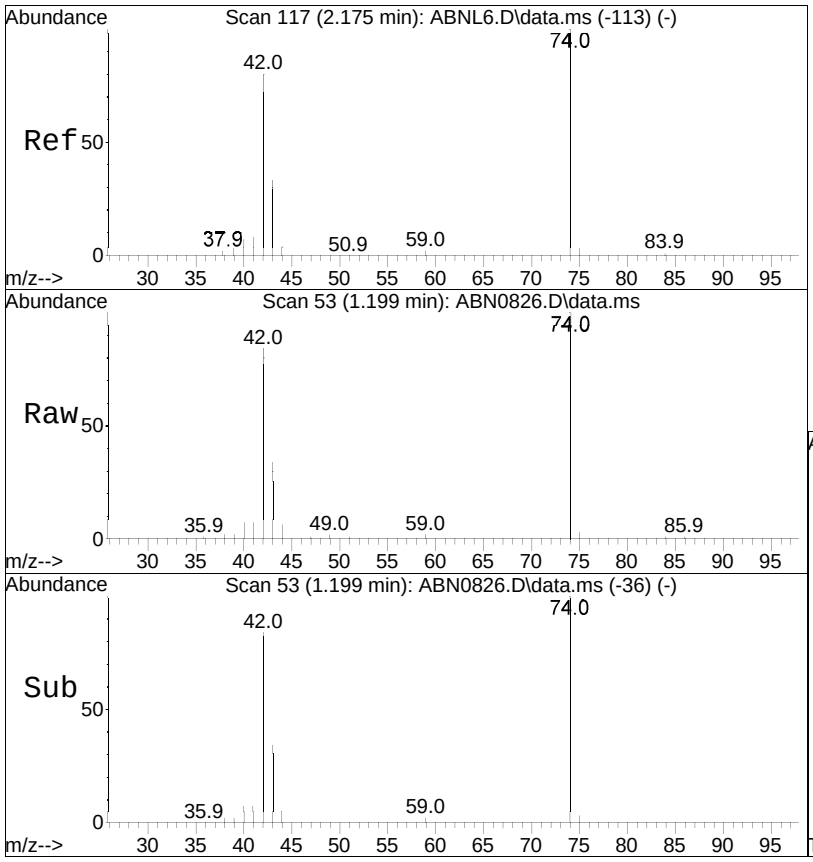
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : ABN0826.D
Acq On : 26 Aug 2024 09:05 am
Operator : SV112:sz
Sample : wg1963848-3,32,,ABN 10908 kmh0802A
Misc : wg1963848,,ical21241
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 26 13:59:23 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 09:26:34 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

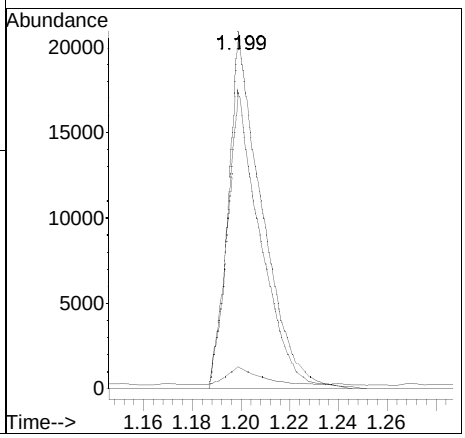


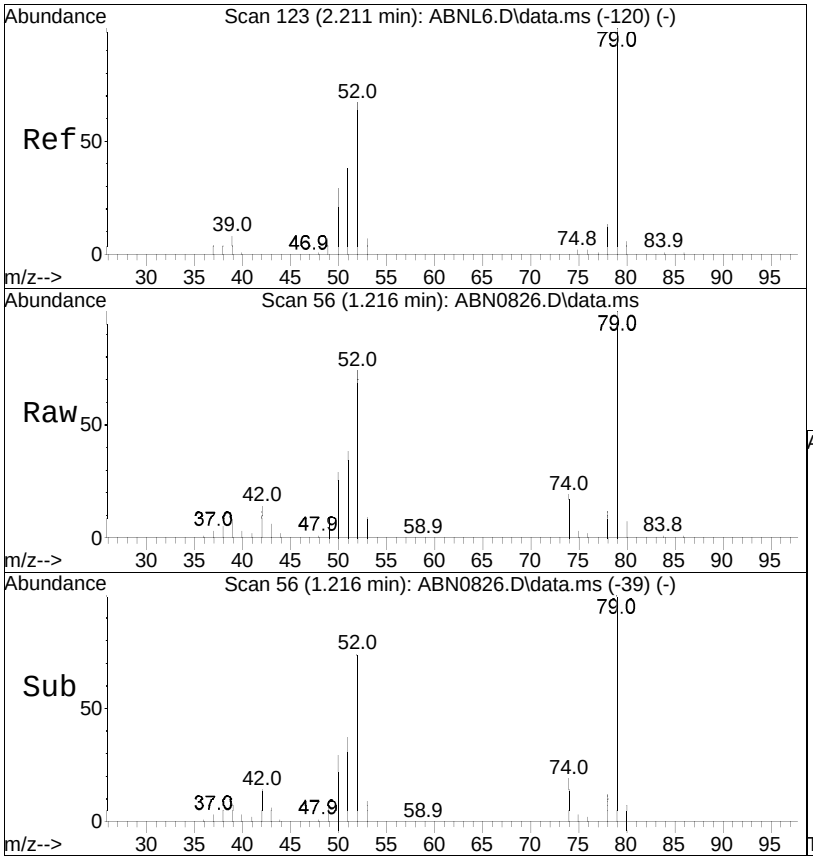


#2
n-Nitrosodimethylamine
Concen: 5.42 ug/ml
RT: 1.199 min Scan# 53
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 74 Resp: 19717

Ion	Ratio	Lower	Upper
74	100		
42	83.8	63.8	95.8
44	5.5	4.3	6.5

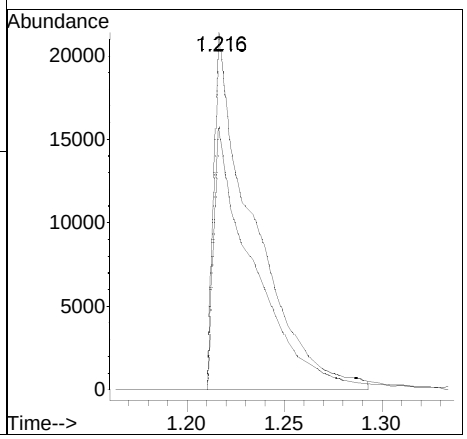


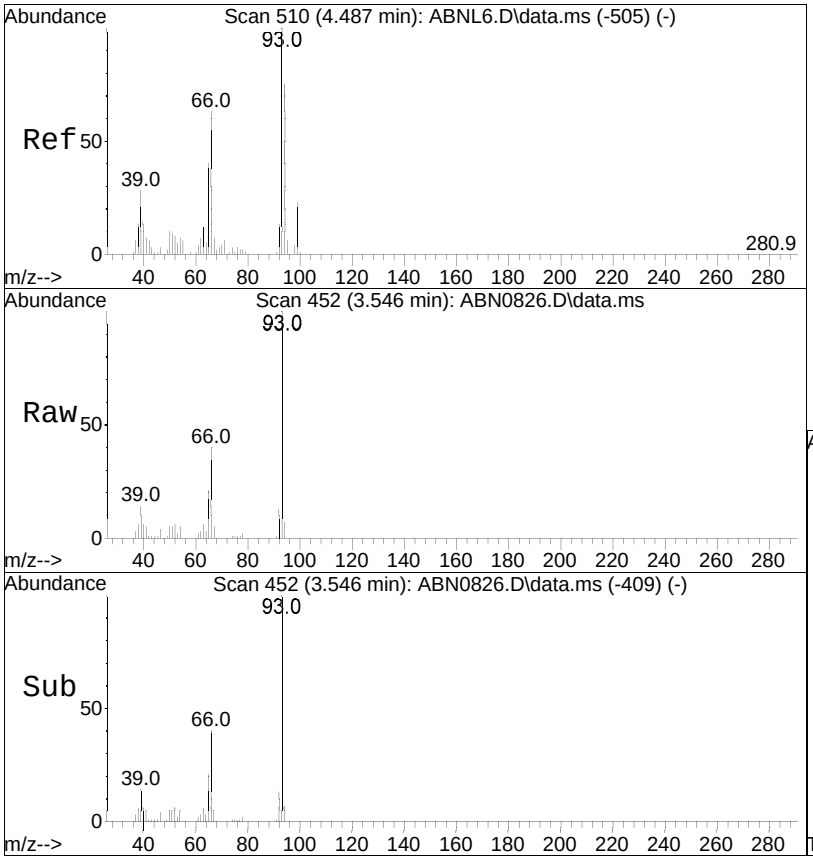


#3
Pyridine
Concen: 5.16 ug/ml
RT: 1.216 min Scan# 56
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 79 Resp: 29820

Ion	Ratio	Lower	Upper
79	100		
52	74.4	64.6	96.8

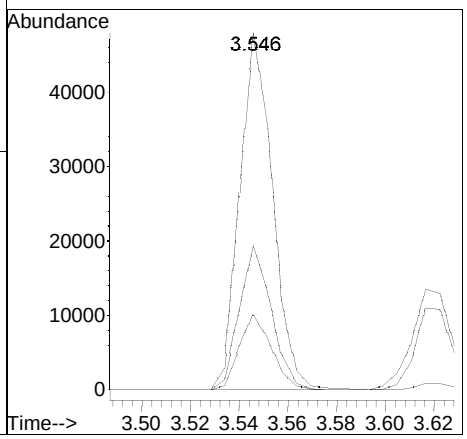


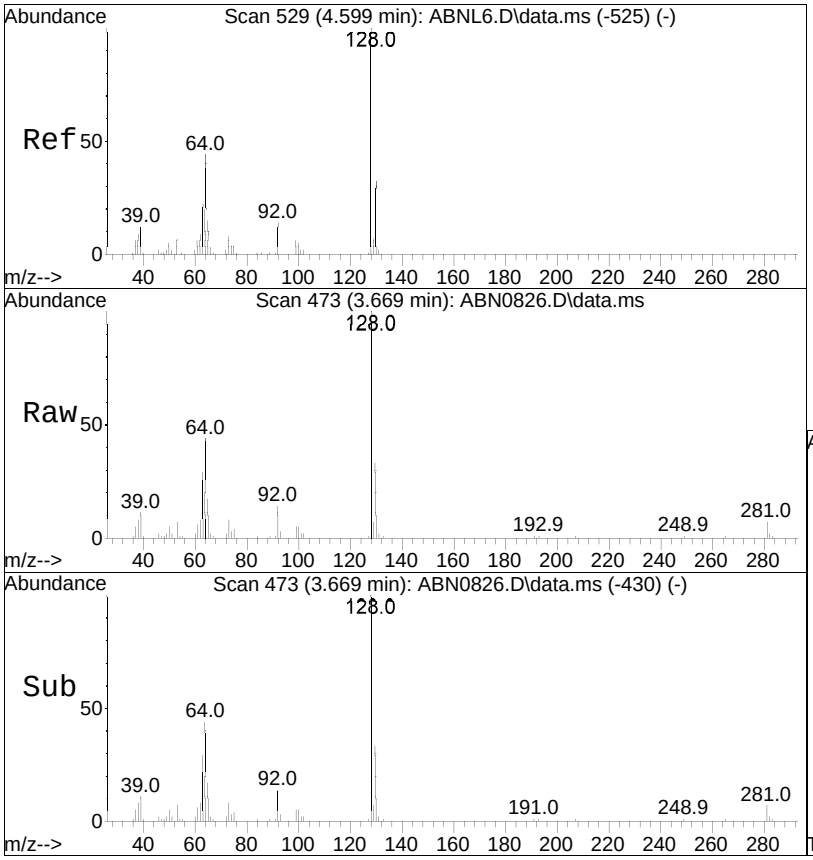


#5
Aniline
Concen: 4.46 ug/ml
RT: 3.546 min Scan# 452
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 93 Resp: 44746

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.3	46.9
65	20.8	16.6	25.0

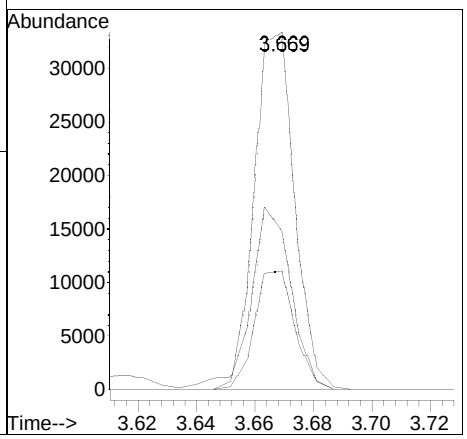


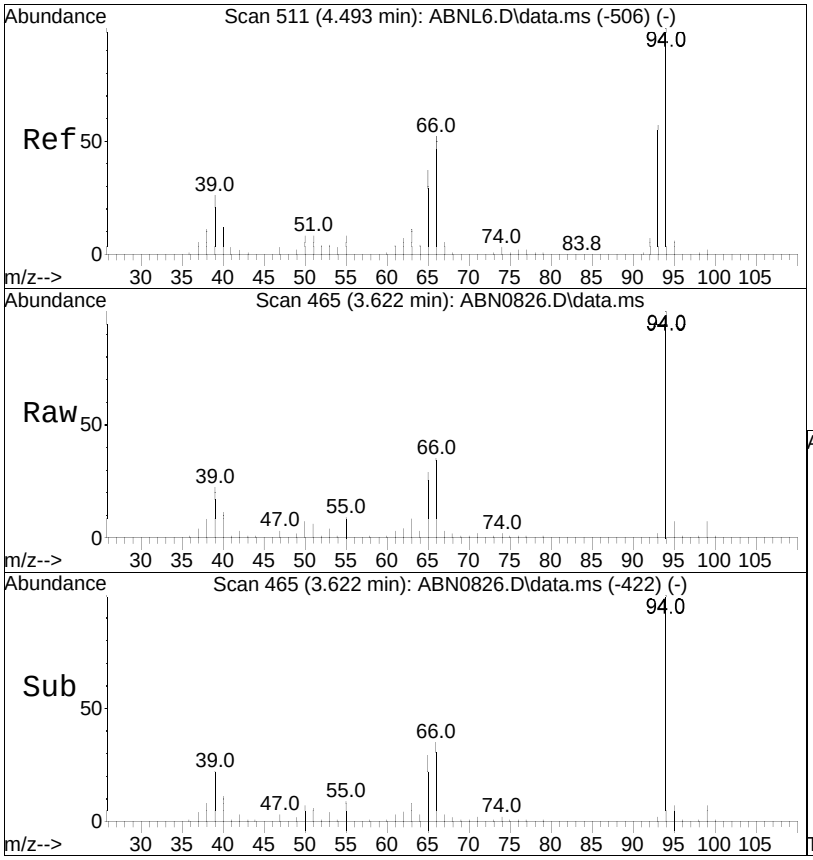


#6
2-Chlorophenol
Concen: 4.59 ug/ml
RT: 3.669 min Scan# 473
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:128 Resp: 31773

Ion	Ratio	Lower	Upper
128	100		
64	50.8	38.2	57.4
130	33.4	26.2	39.2

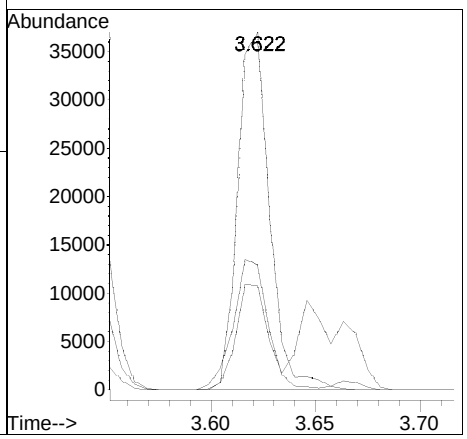


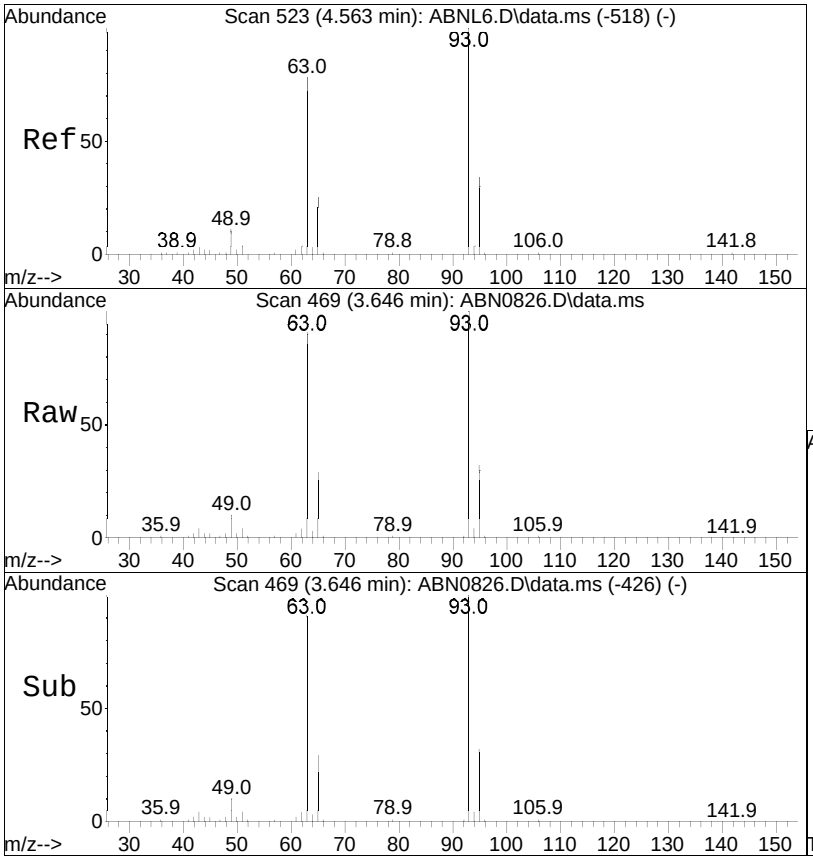


#8
Phenol
Concen: 4.46 ug/ml
RT: 3.622 min Scan# 465
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 94 Resp: 38919

Ion	Ratio	Lower	Upper
94	100		
65	30.2	23.0	34.6
66	39.9	32.1	48.1

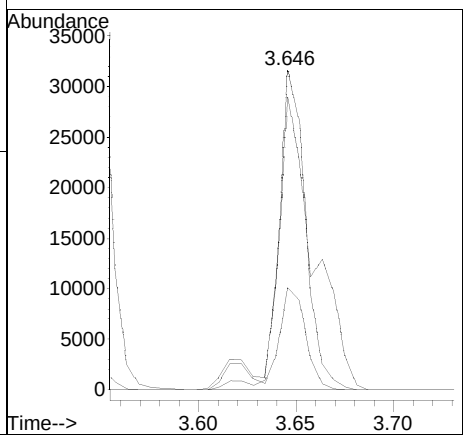


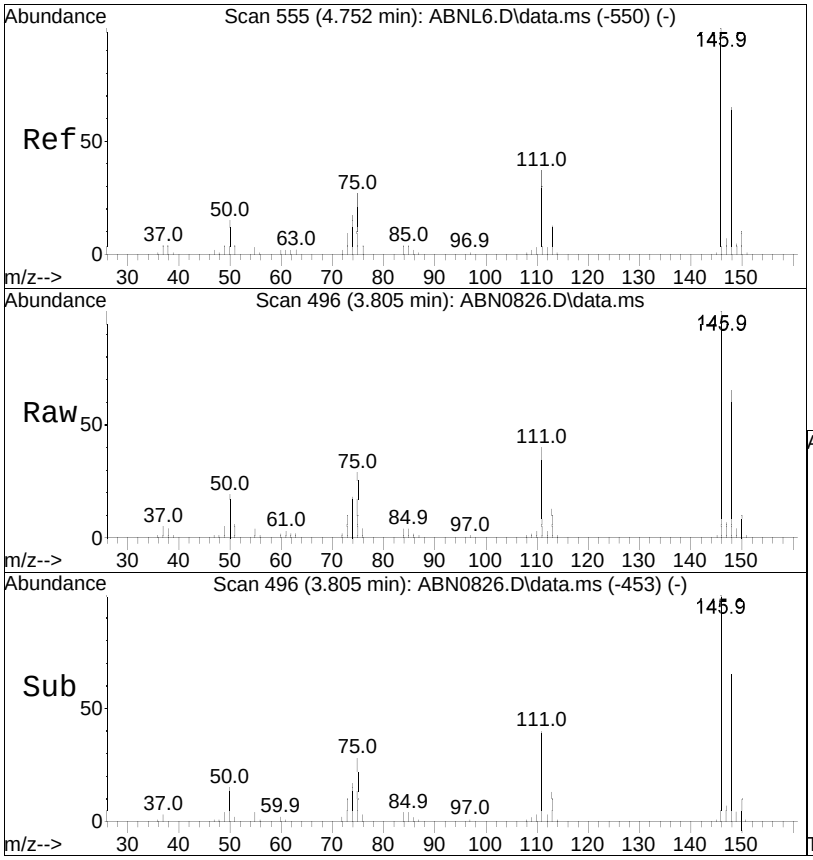


#9
Bis(2-chloroethyl)ether
Concen: 4.69 ug/ml
RT: 3.646 min Scan# 469
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 93 Resp: 30293

Ion	Ratio	Lower	Upper
93	100		
63	116.2	67.0	100.4#
95	30.5	26.1	39.1

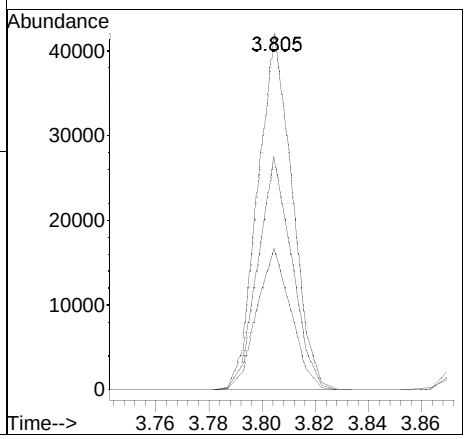


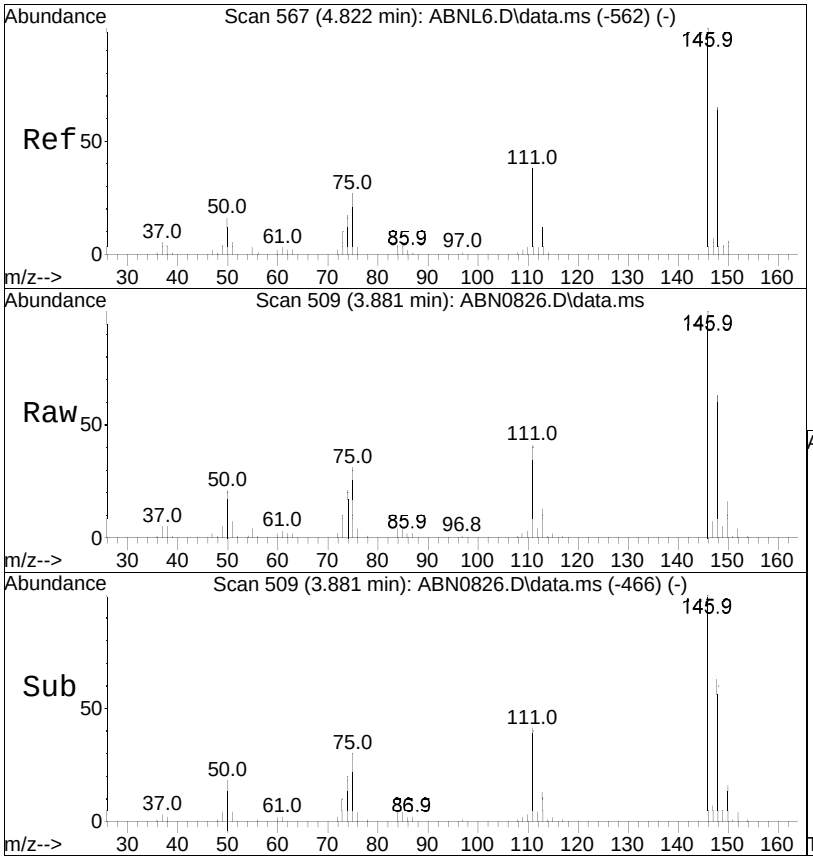


#10
1,3-Dichlorobenzene
Concen: 4.49 ug/ml
RT: 3.805 min Scan# 496
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:146 Resp: 37540

Ion	Ratio	Lower	Upper
146	100		
111	39.5	35.0	52.4
148	64.4	51.3	76.9

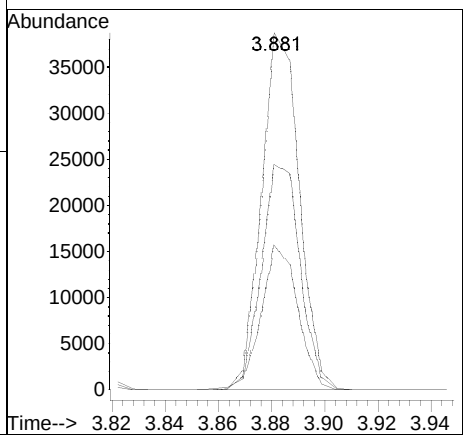


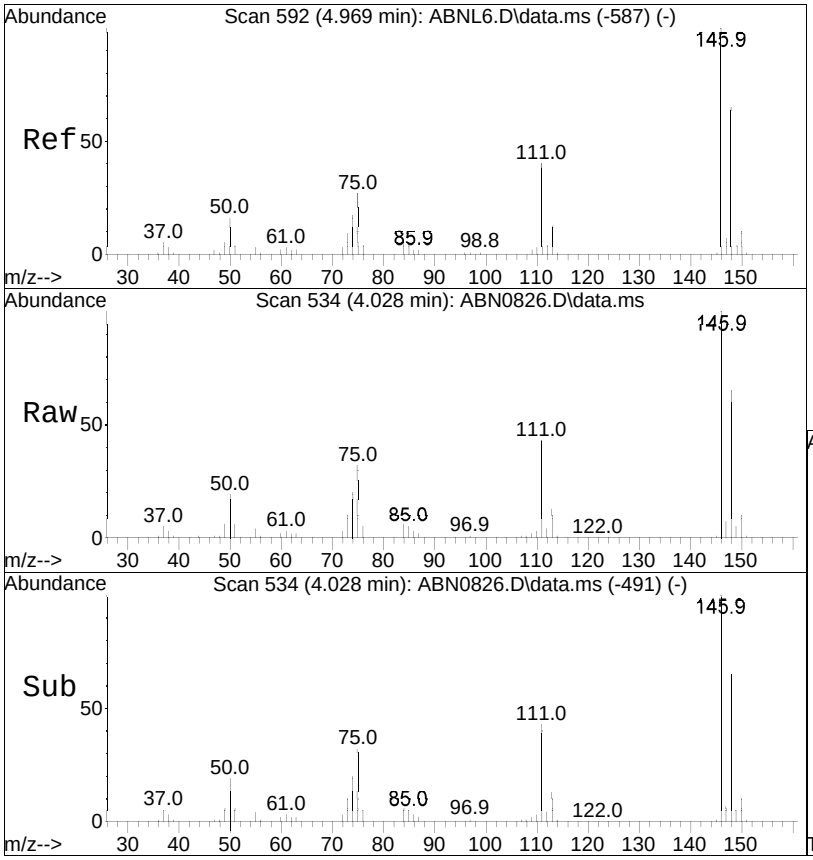


#11
1,4-Dichlorobenzene
Concen: 4.36 ug/ml
RT: 3.881 min Scan# 509
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:146 Resp: 38011

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.1	76.7
111	39.6	34.4	51.6

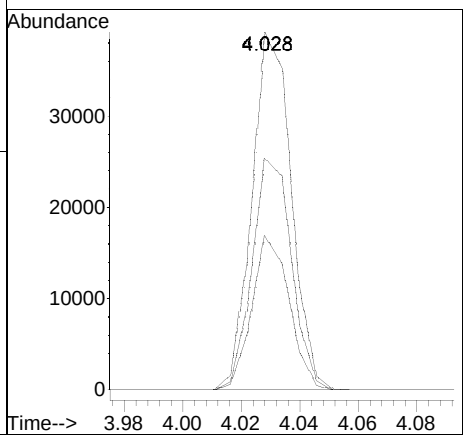


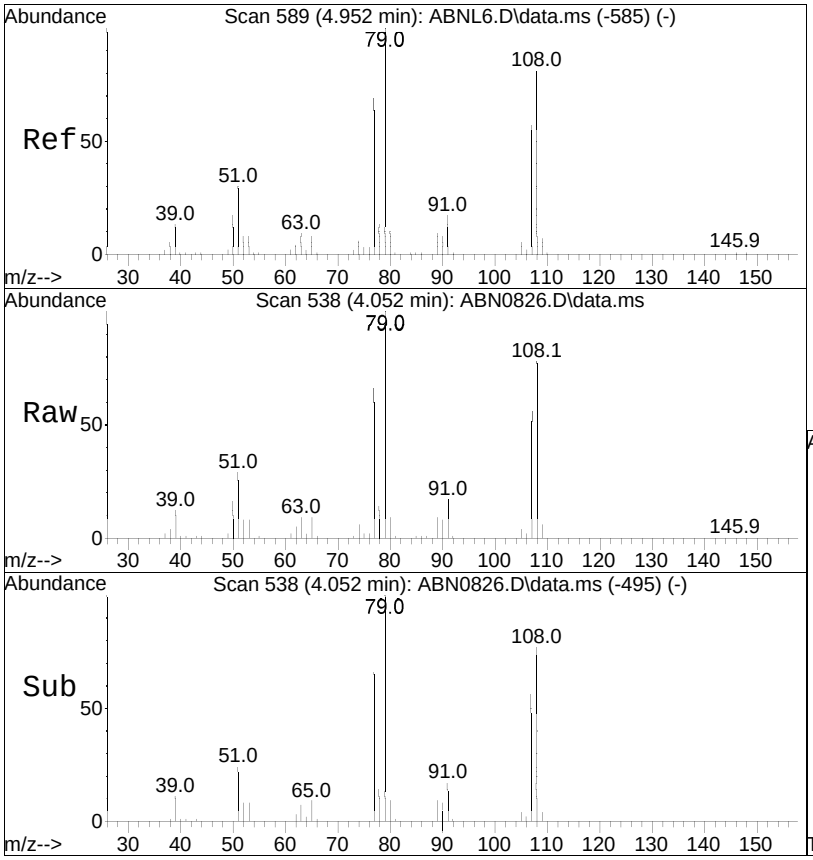


#12
1,2-Dichlorobenzene
Concen: 4.44 ug/ml
RT: 4.028 min Scan# 534
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:146 Resp: 36252

Ion	Ratio	Lower	Upper
146	100		
111	41.3	35.5	53.3
148	65.0	50.6	76.0

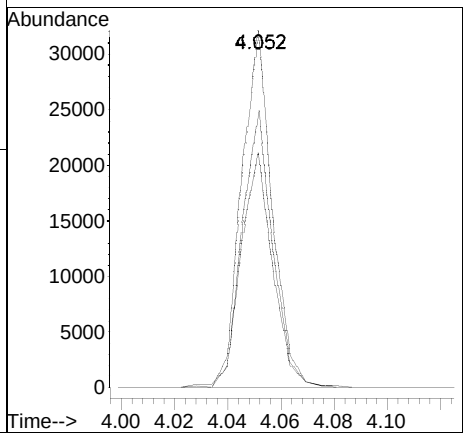


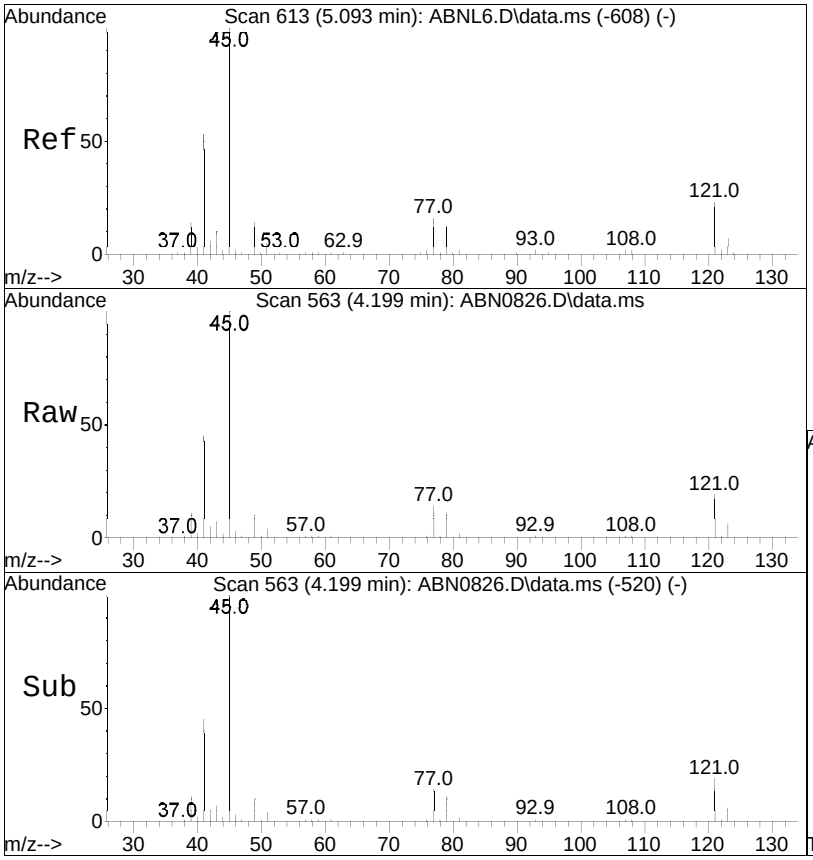


#13
Benzyl alcohol
Concen: 4.88 ug/ml
RT: 4.052 min Scan# 538
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 79 Resp: 25550

Ion	Ratio	Lower	Upper
79	100		
77	67.9	51.8	77.6
108	78.2	63.9	95.9

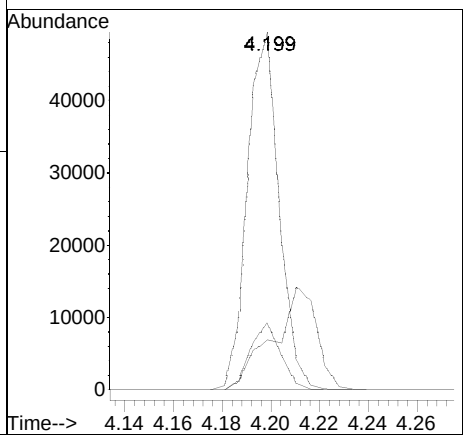


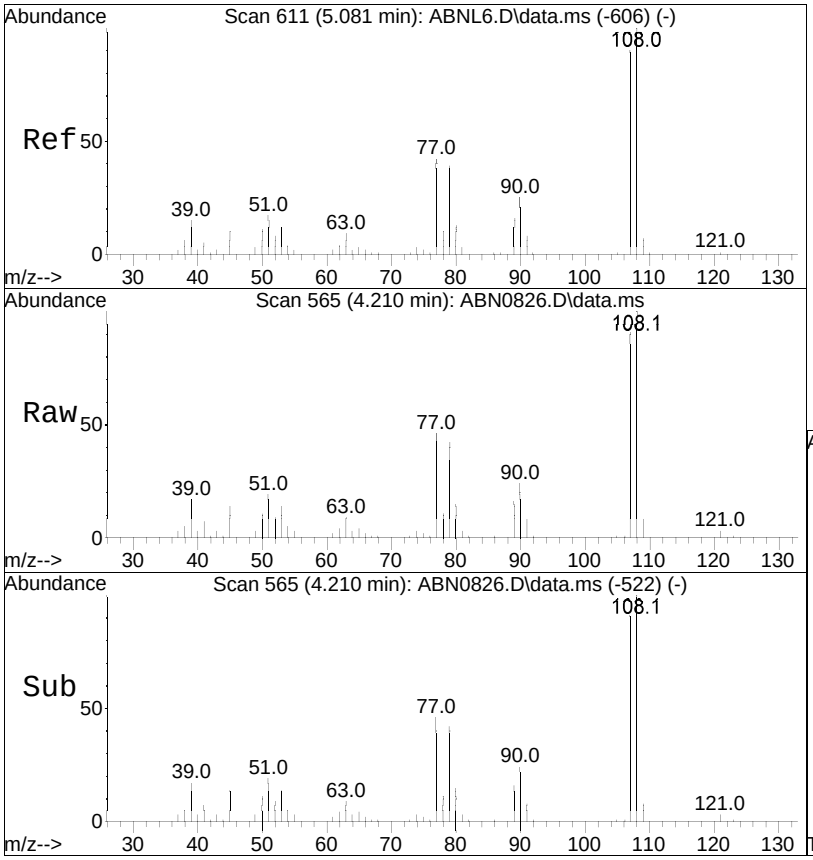


#14
Bis(2-chloroisopropyl)ether
Concen: 5.43 ug/ml
RT: 4.199 min Scan# 563
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 45 Resp: 44328

Ion	Ratio	Lower	Upper
45	100		
121	18.2	14.8	22.2
77	40.1	10.5	15.7#

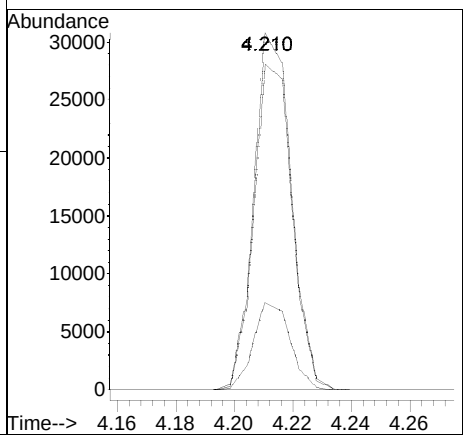


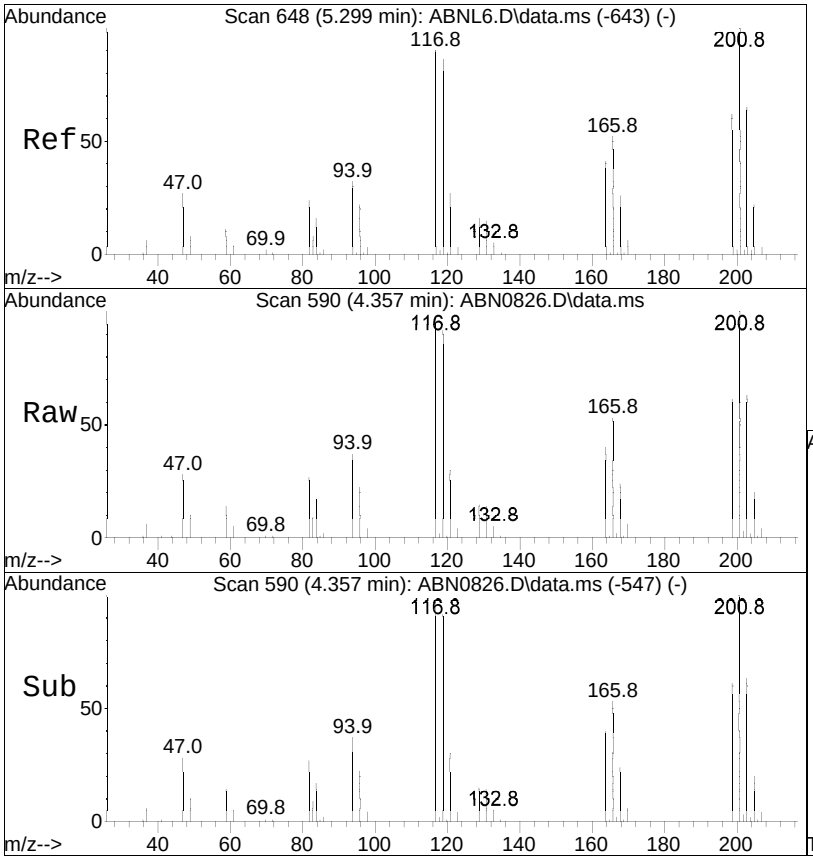


#15
2-Methylphenol
Concen: 4.65 ug/ml
RT: 4.210 min Scan# 565
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:108 Resp: 27216

Ion	Ratio	Lower	Upper
108	100		
107	92.5	71.0	106.4
90	24.2	19.7	29.5

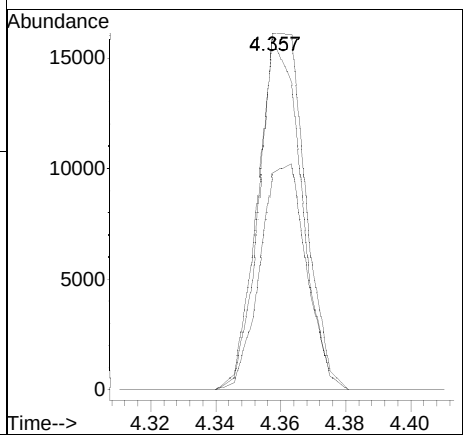


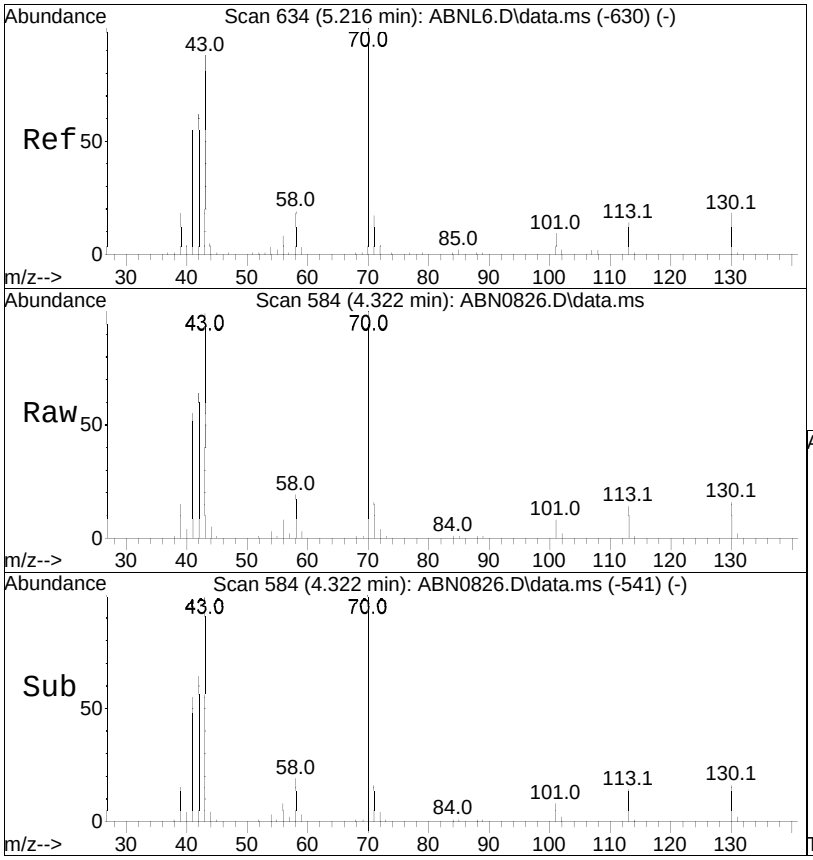


#16
Hexachloroethane
Concen: 4.77 ug/ml
RT: 4.357 min Scan# 590
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:117 Resp: 14725

Ion	Ratio	Lower	Upper
117	100		
201	107.0	64.4	96.6#
199	68.5	40.5	60.7#

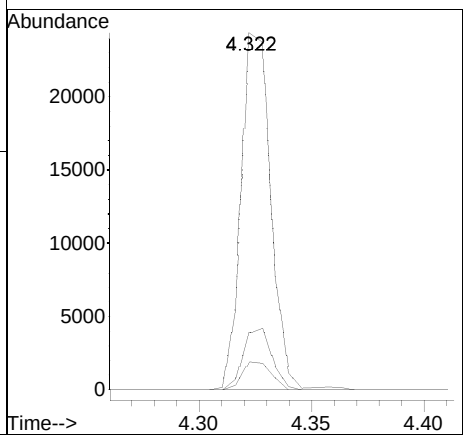


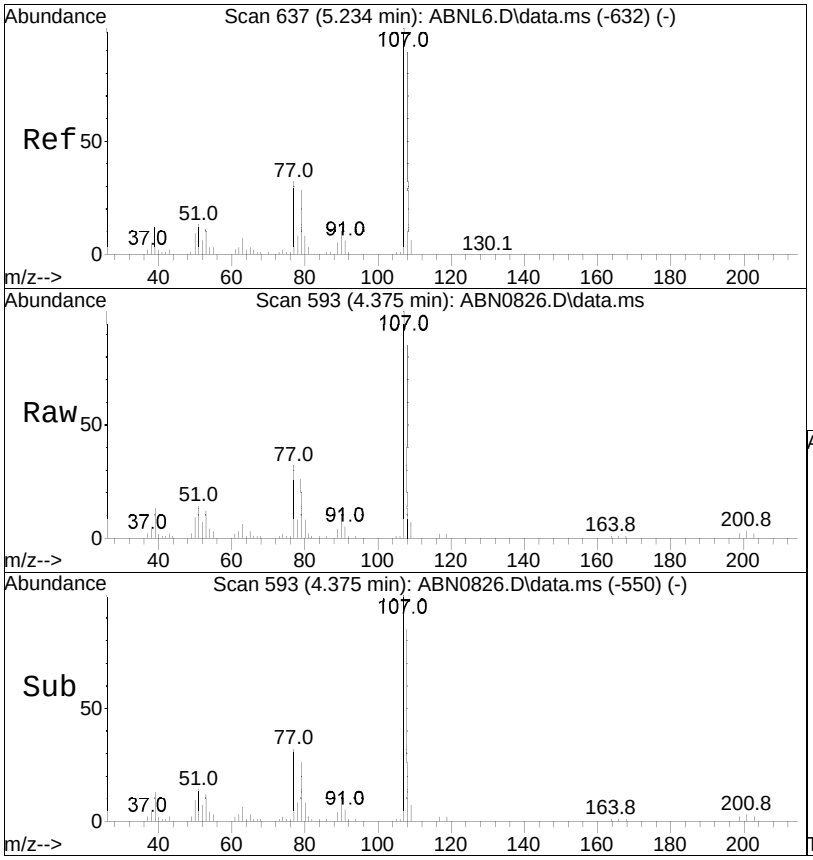


#17
n-Nitrosodi-n-propylamine
Concen: 4.67 ug/ml
RT: 4.322 min Scan# 584
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 70 Resp: 22402

Ion	Ratio	Lower	Upper
70	100		
130	16.7	16.2	24.4
101	7.6	7.6	11.4

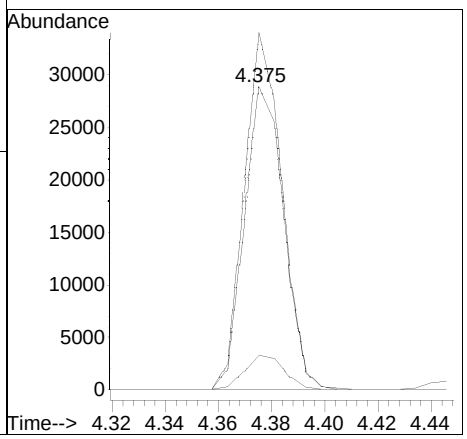


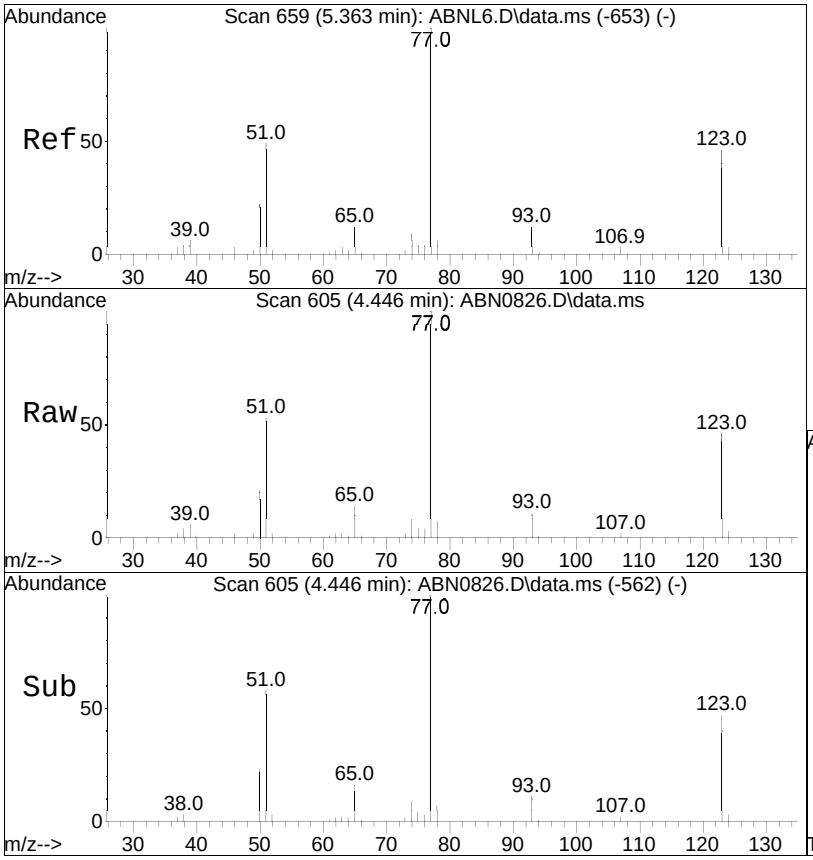


#18
3-Methylphenol/4-Methylphenol
Concen: 4.64 ug/ml
RT: 4.375 min Scan# 593
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:108 Resp: 29591

Ion	Ratio	Lower	Upper
108	100		
107	113.1	88.8	133.2
90	11.3	9.0	13.6

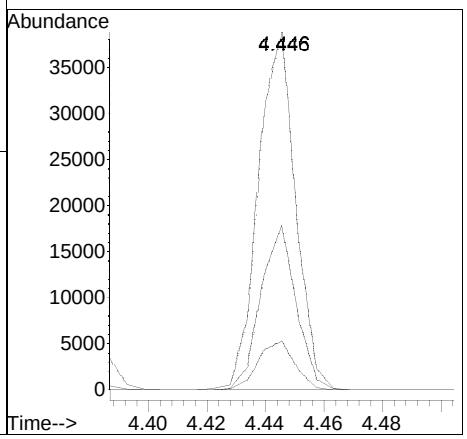


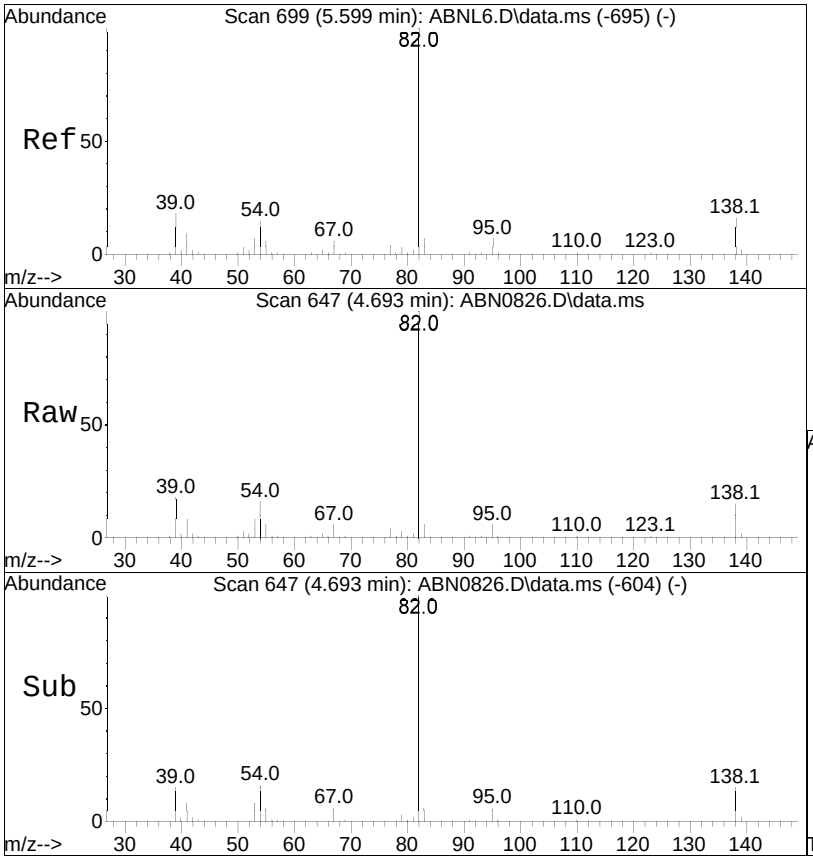


#20
Nitrobenzene
Concen: 4.75 ug/ml
RT: 4.446 min Scan# 605
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 77 Resp: 33940

Ion	Ratio	Lower	Upper
77	100		
123	43.8	37.3	55.9
65	13.7	10.9	16.3

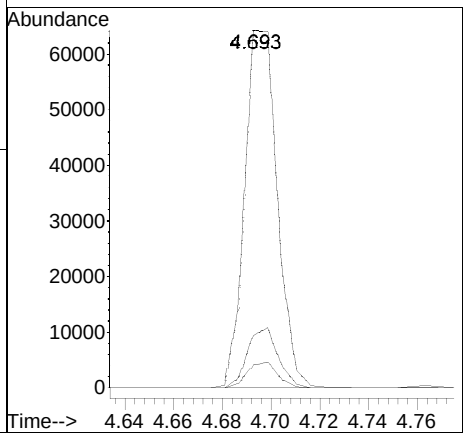


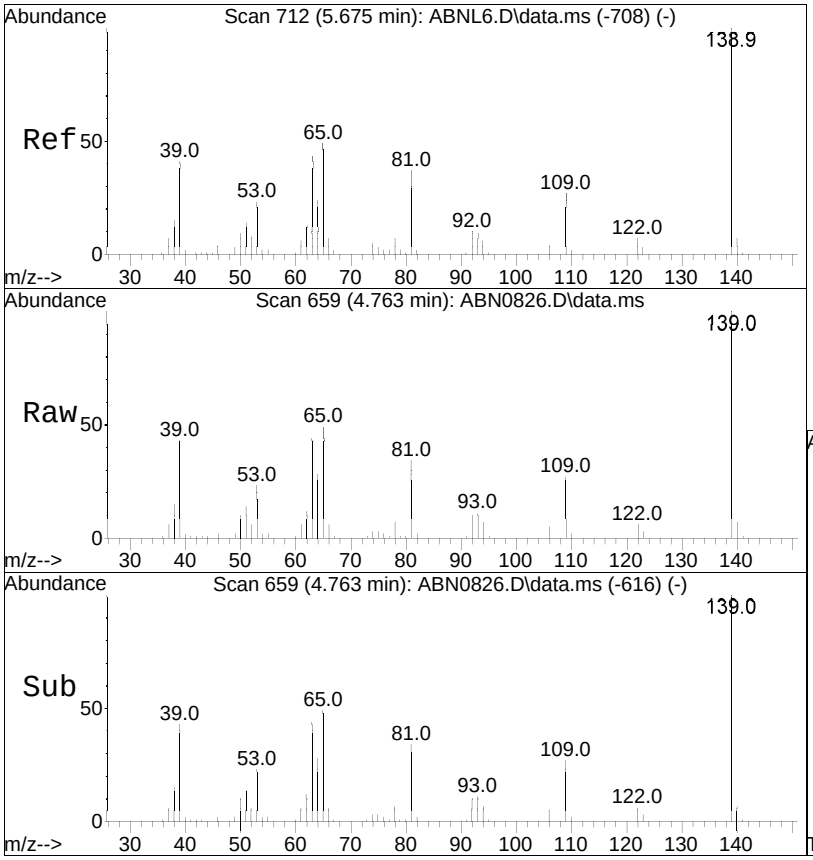


#21
Isophorone
Concen: 4.58 ug/ml
RT: 4.693 min Scan# 647
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 82 Resp: 59074

Ion	Ratio	Lower	Upper
82	100		
138	15.8	13.0	19.4
95	6.7	5.5	8.3

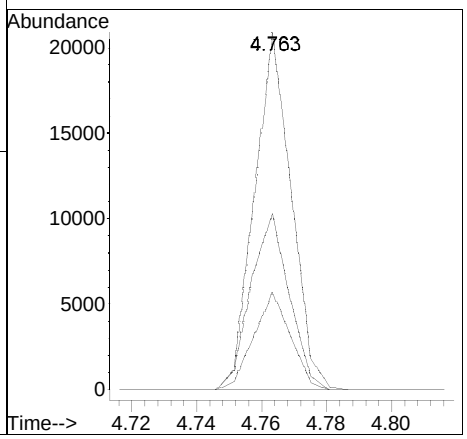


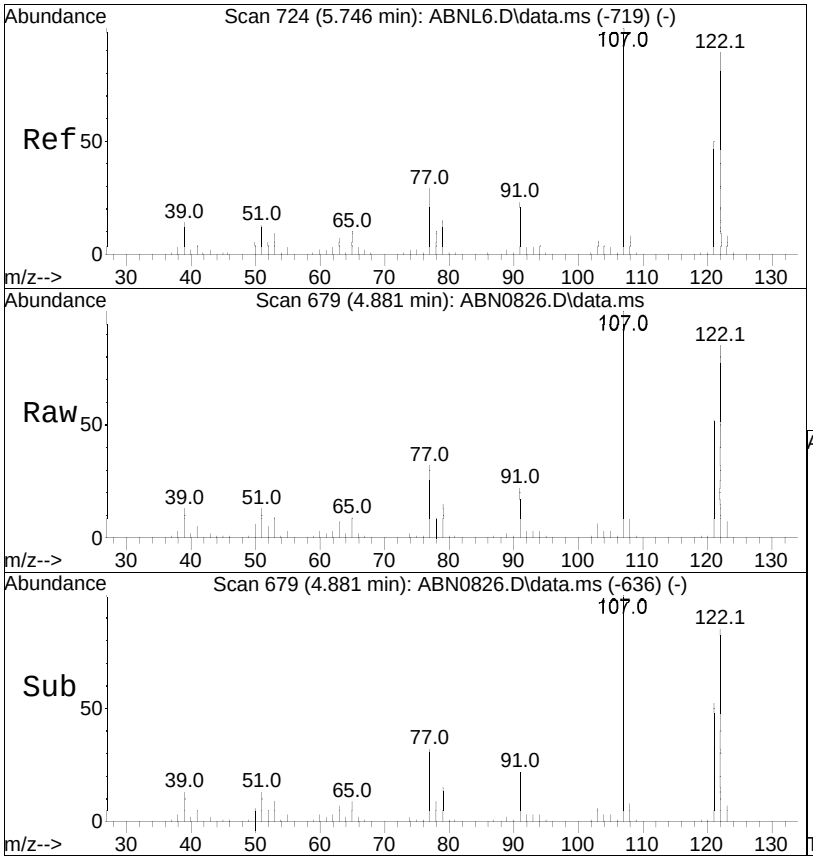


#22
2-Nitrophenol
Concen: 5.10 ug/ml
RT: 4.763 min Scan# 659
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:139 Resp: 16238

Ion	Ratio	Lower	Upper
139	100		
109	27.6	23.1	34.7
65	51.8	41.4	62.2

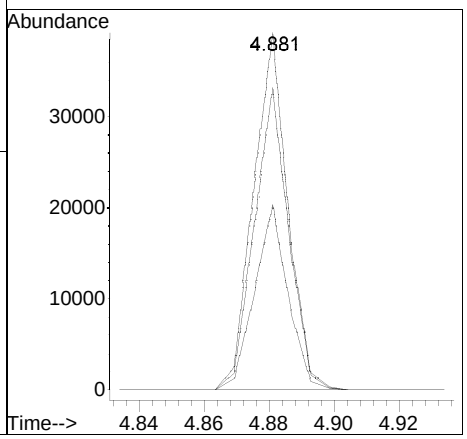


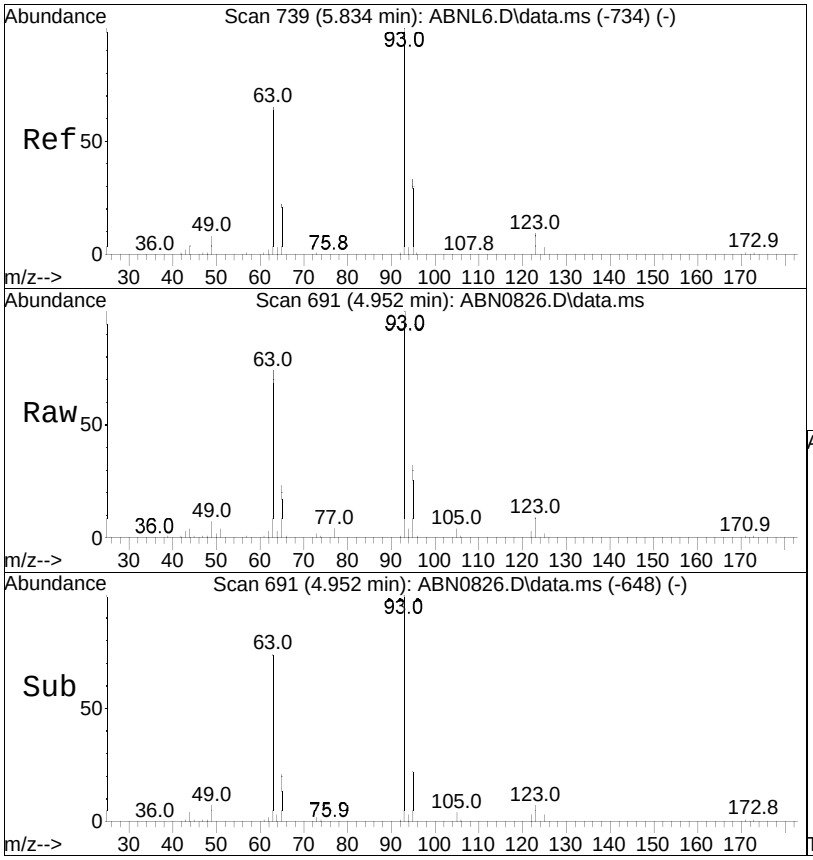


#23
2,4-Dimethylphenol
Concen: 4.67 ug/ml
RT: 4.881 min Scan# 679
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:107 Resp: 28486

Ion	Ratio	Lower	Upper
107	100		
121	50.8	41.3	61.9
122	84.7	69.3	103.9

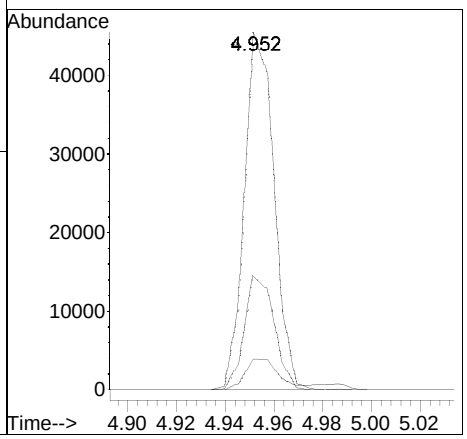


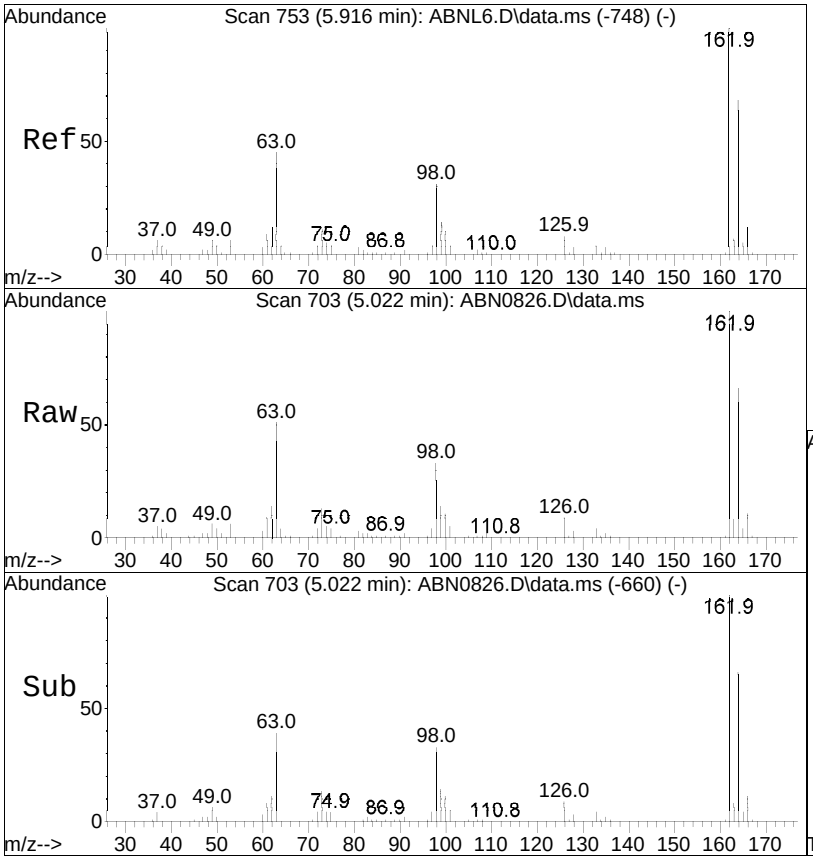


#24
Bis(2-chloroethoxy)methane
Concen: 4.38 ug/ml
RT: 4.952 min Scan# 691
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 93 Resp: 38056

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	10.2	9.6	14.4

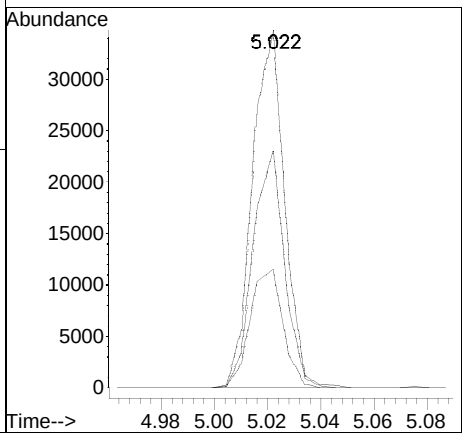


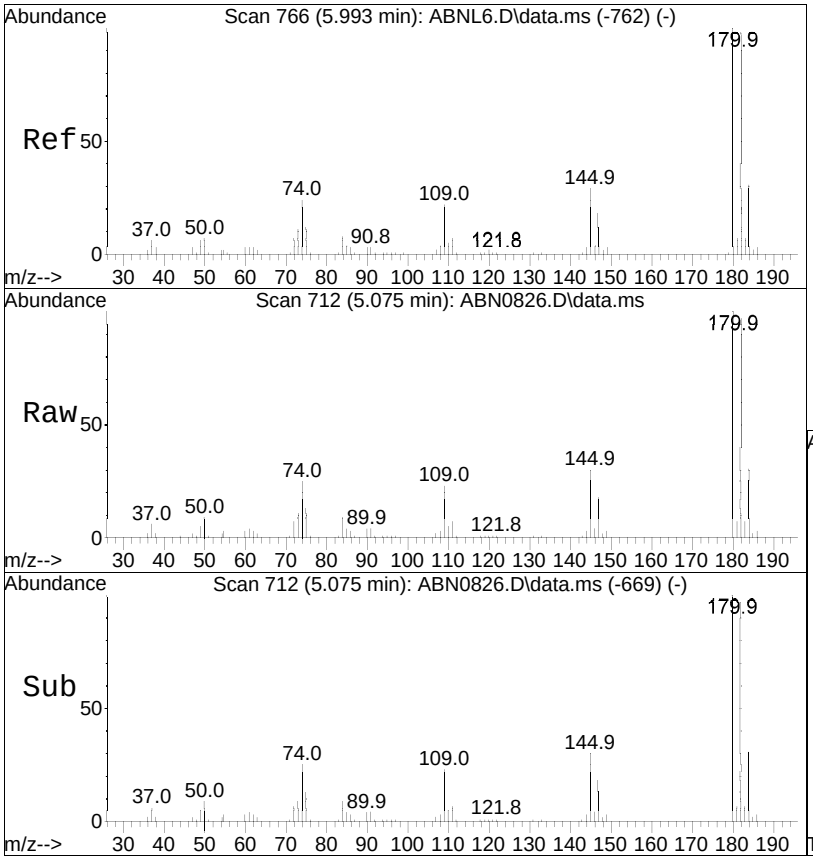


#25
2,4-Dichlorophenol
Concen: 4.52 ug/ml
RT: 5.022 min Scan# 703
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:162 Resp: 28850

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.1	76.7
98	34.3	32.2	48.2

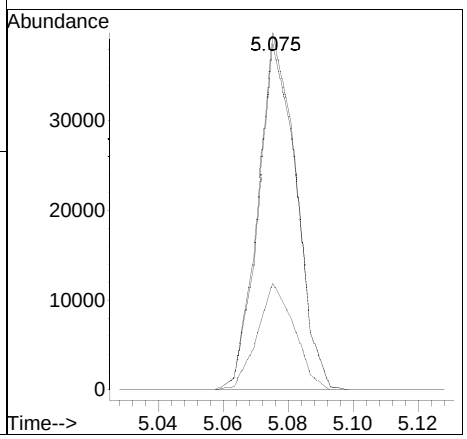


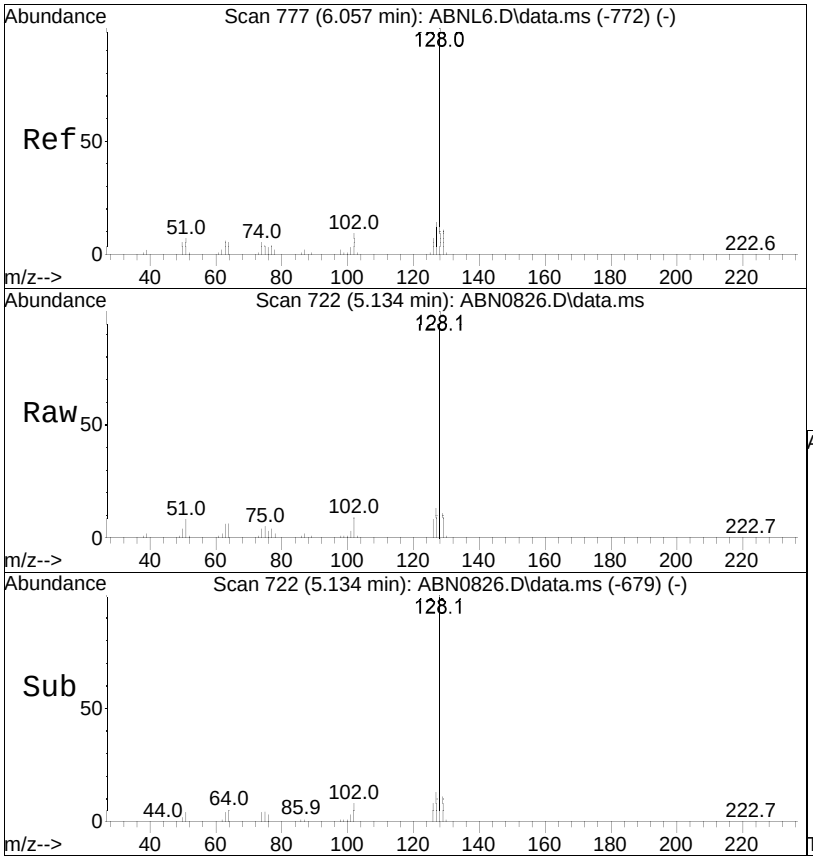


#26
1,2,4-Trichlorobenzene
Concen: 4.01 ug/ml
RT: 5.075 min Scan# 712
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:180 Resp: 32397

Ion	Ratio	Lower	Upper
180	100		
182	96.7	75.8	113.8
145	29.0	26.3	39.5

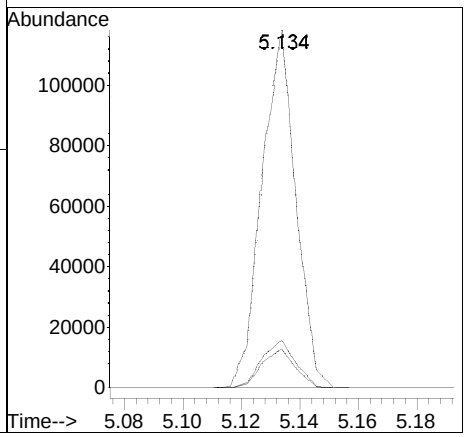


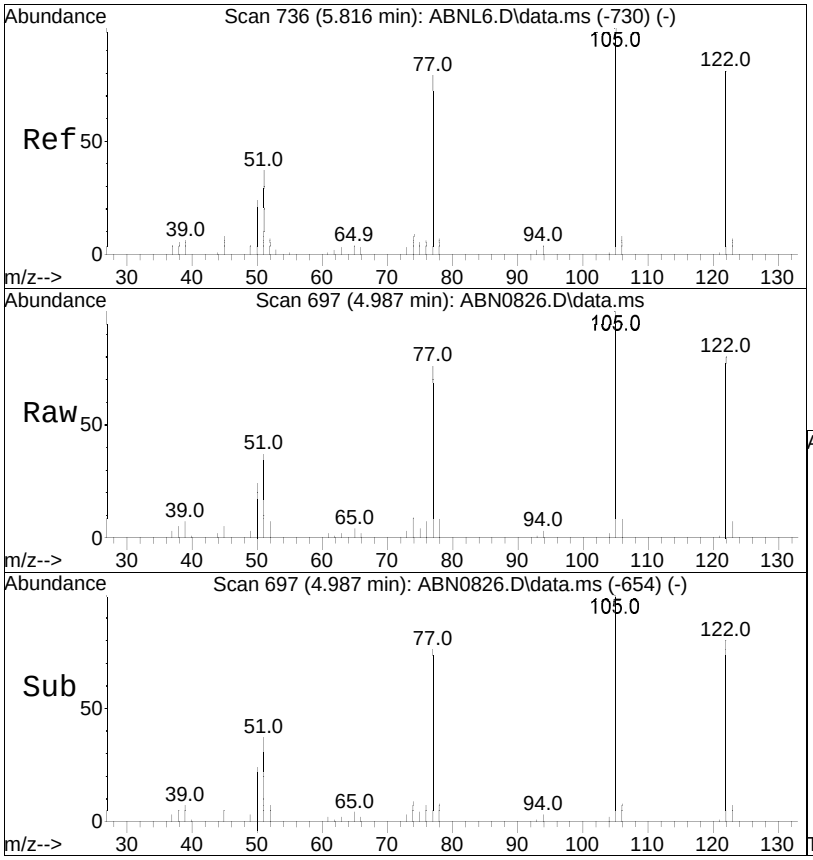


#36
Naphthalene
Concen: 4.45 ug/ml
RT: 5.134 min Scan# 722
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:128 Resp: 94077

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	13.4	10.6	15.8

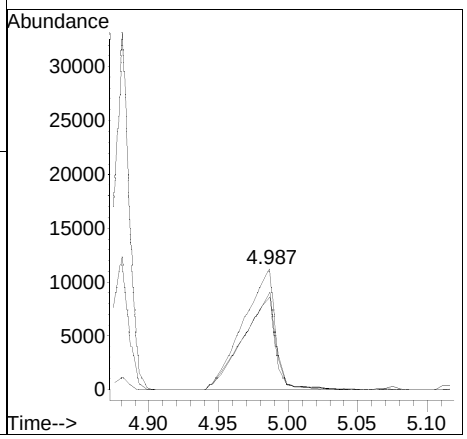


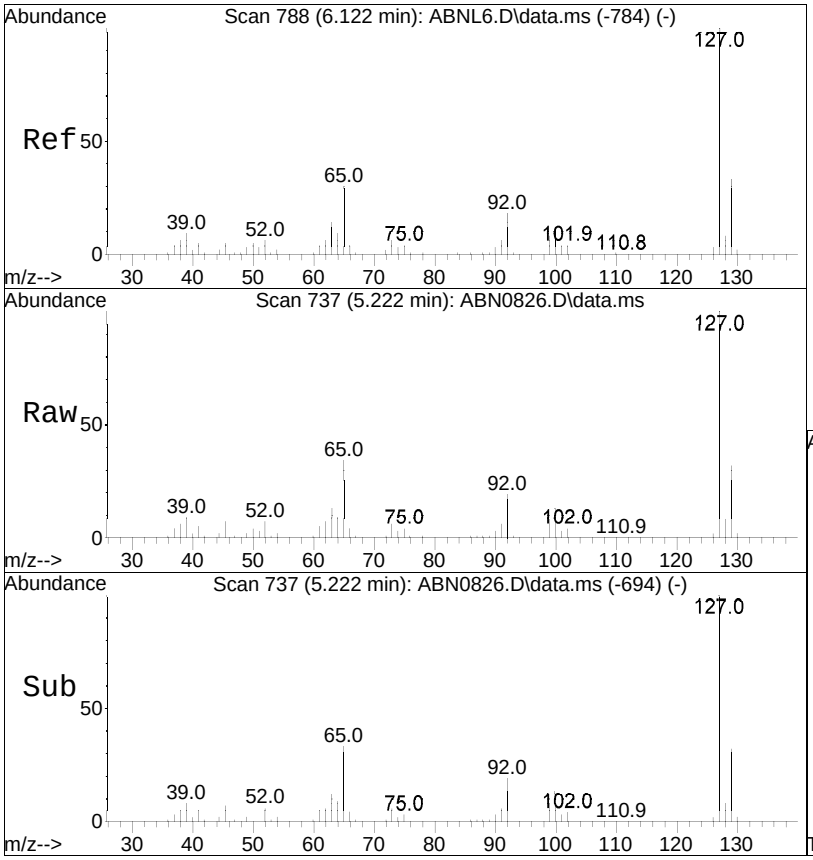


#37
Benzoic Acid
Concen: 5.00 ug/ml
RT: 4.987 min Scan# 697
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:105 Resp: 18400

Ion	Ratio	Lower	Upper
105	100		
122	79.3	62.6	93.8
77	78.5	59.1	88.7

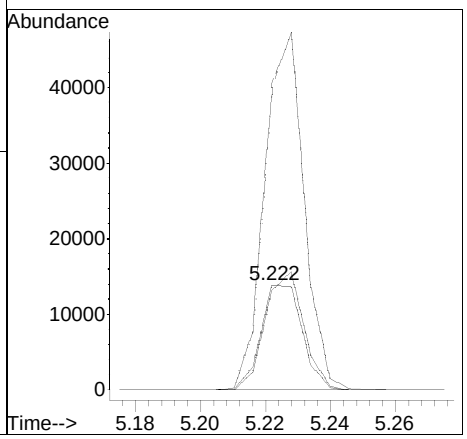


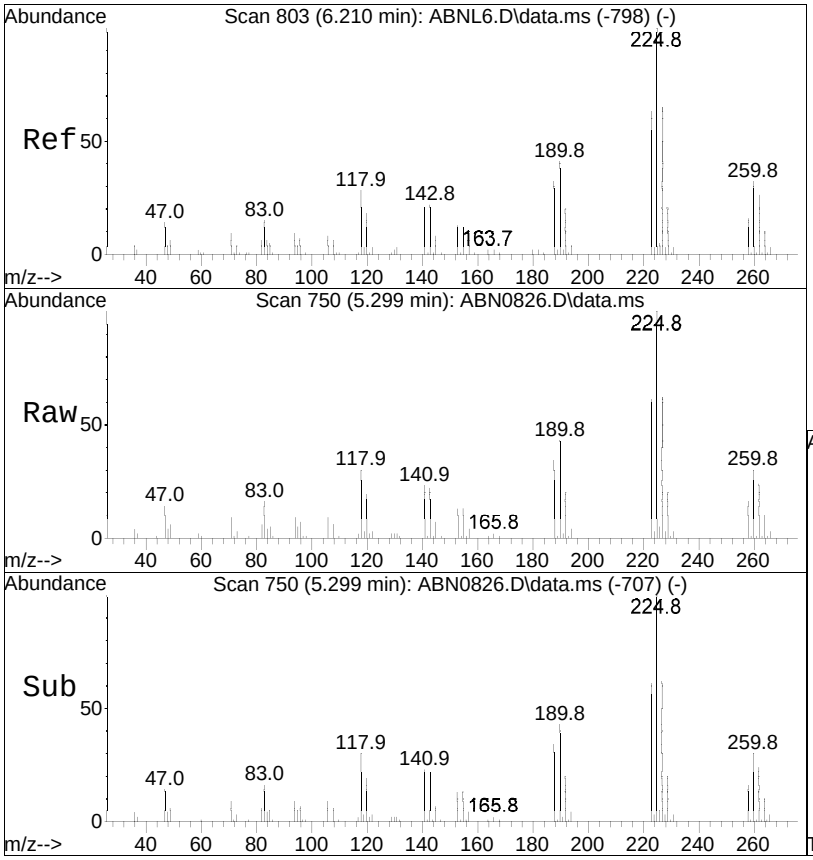


#38
4-Chloroaniline
Concen: 5.12 ug/ml
RT: 5.222 min Scan# 737
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 65 Resp: 12167

Ion	Ratio	Lower	Upper
65	100		
127	322.6	266.2	399.4
129	105.2	85.0	127.4

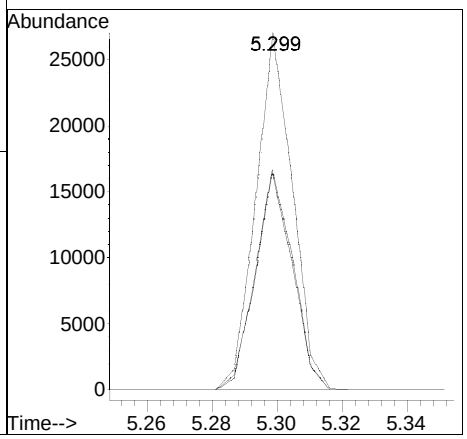


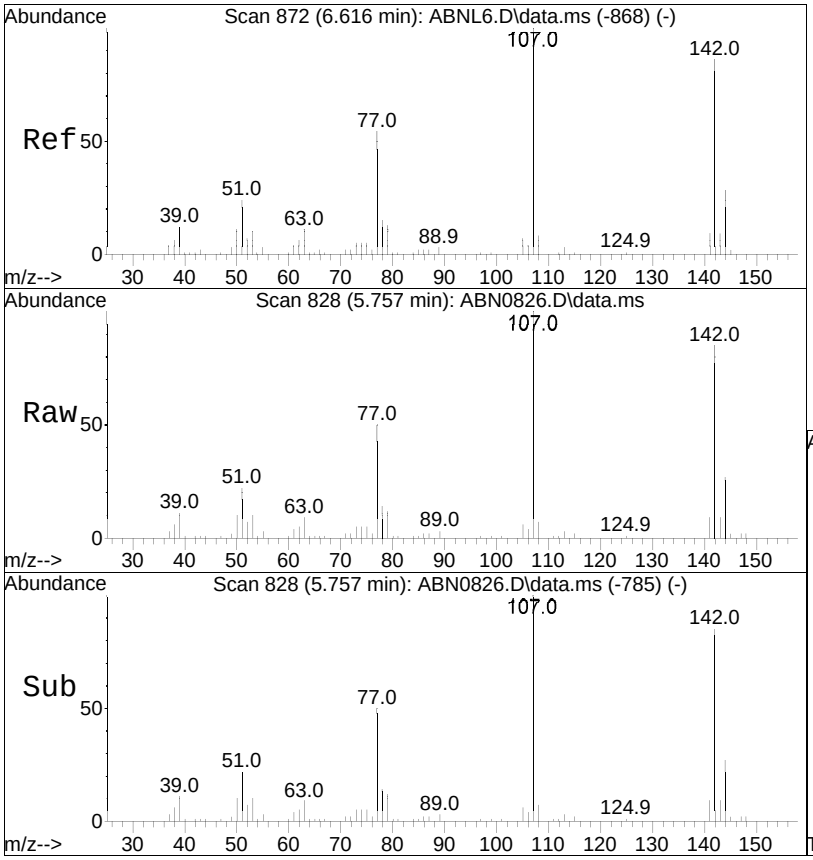


#39
Hexachlorobutadiene
Concen: 4.24 ug/ml
RT: 5.299 min Scan# 750
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:225 Resp: 21039

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.5	75.7
227	63.3	50.4	75.6

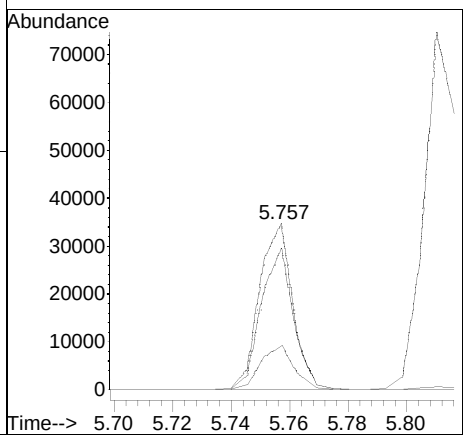


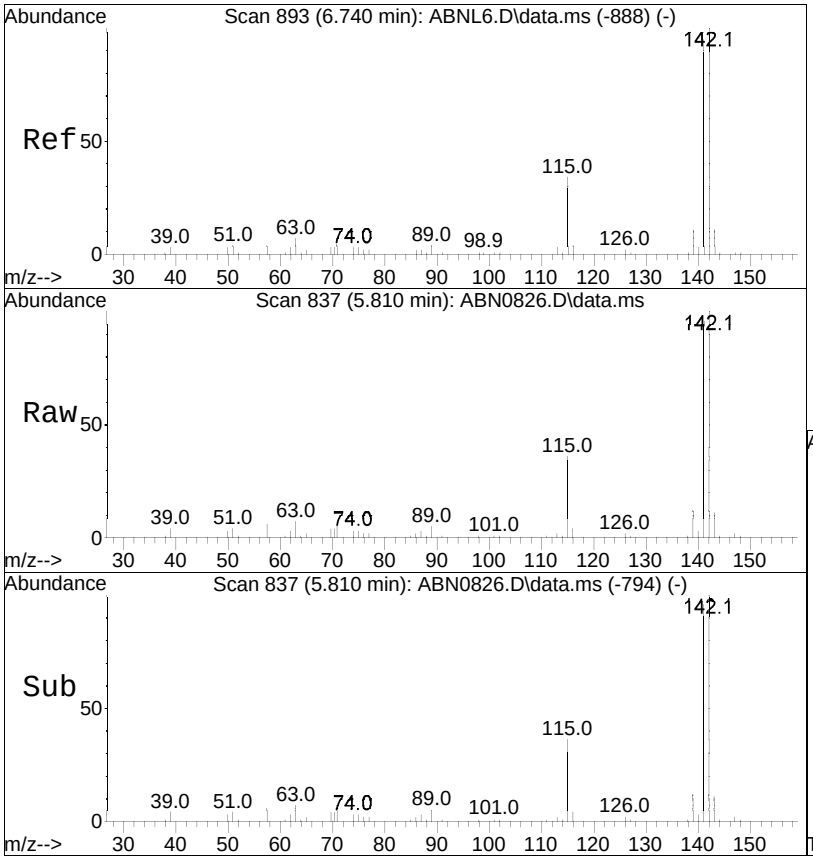


#40
p-Chloro-m-cresol
Concen: 4.88 ug/ml
RT: 5.757 min Scan# 828
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:107 Resp: 27231

Ion	Ratio	Lower	Upper
107	100		
144	26.5	20.3	30.5
142	82.8	63.8	95.6

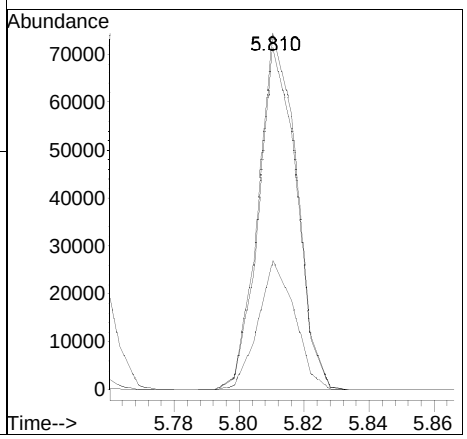


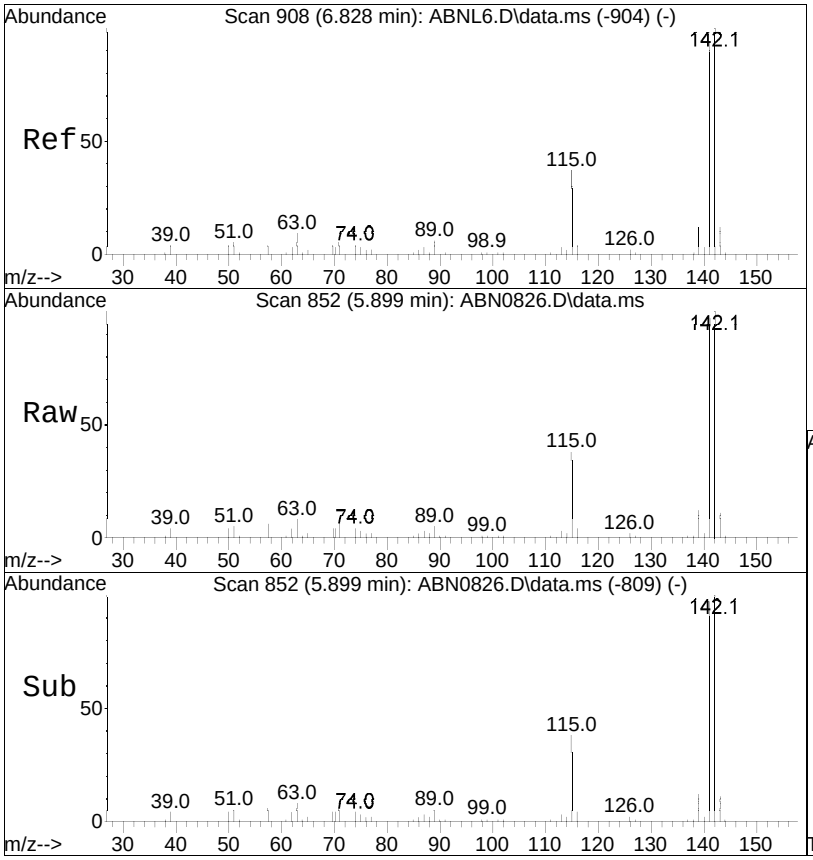


#41
2-Methylnaphthalene
Concen: 4.25 ug/ml
RT: 5.810 min Scan# 837
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:142 Resp: 61115

Ion	Ratio	Lower	Upper
142	100		
141	94.3	72.2	108.4
115	34.7	27.8	41.6

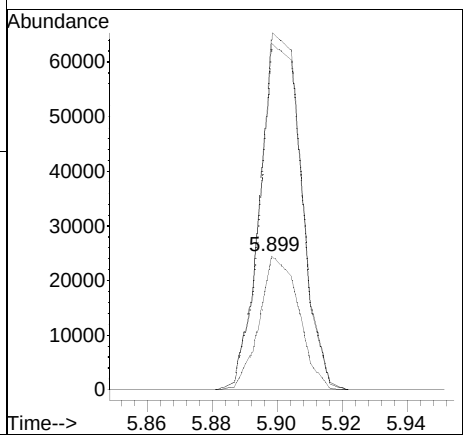


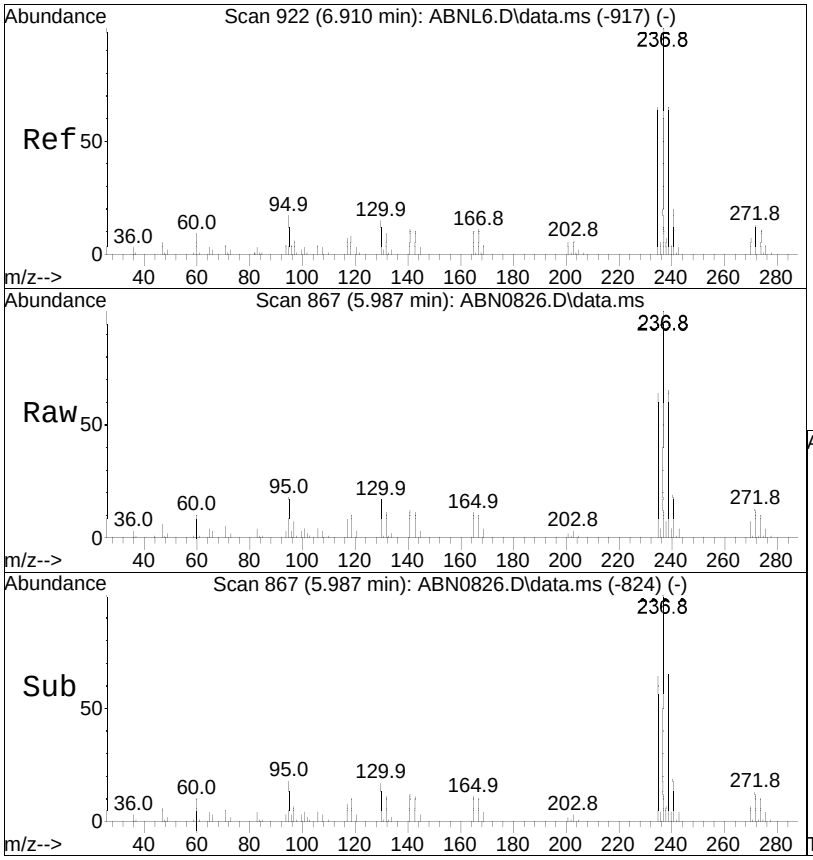


#42
1-Methylnaphthalene
Concen: 4.15 ug/ml
RT: 5.899 min Scan# 852
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:115 Resp: 20508

Ion	Ratio	Lower	Upper
115	100		
141	271.9	205.4	308.2
142	281.3	220.2	330.4

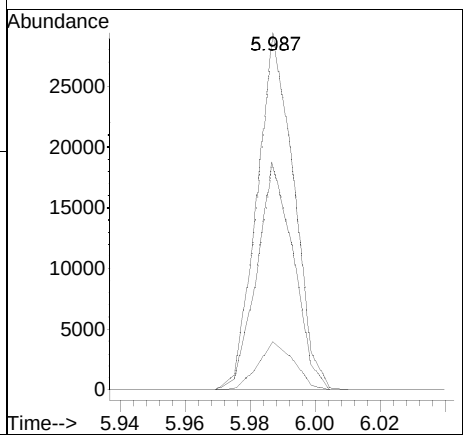


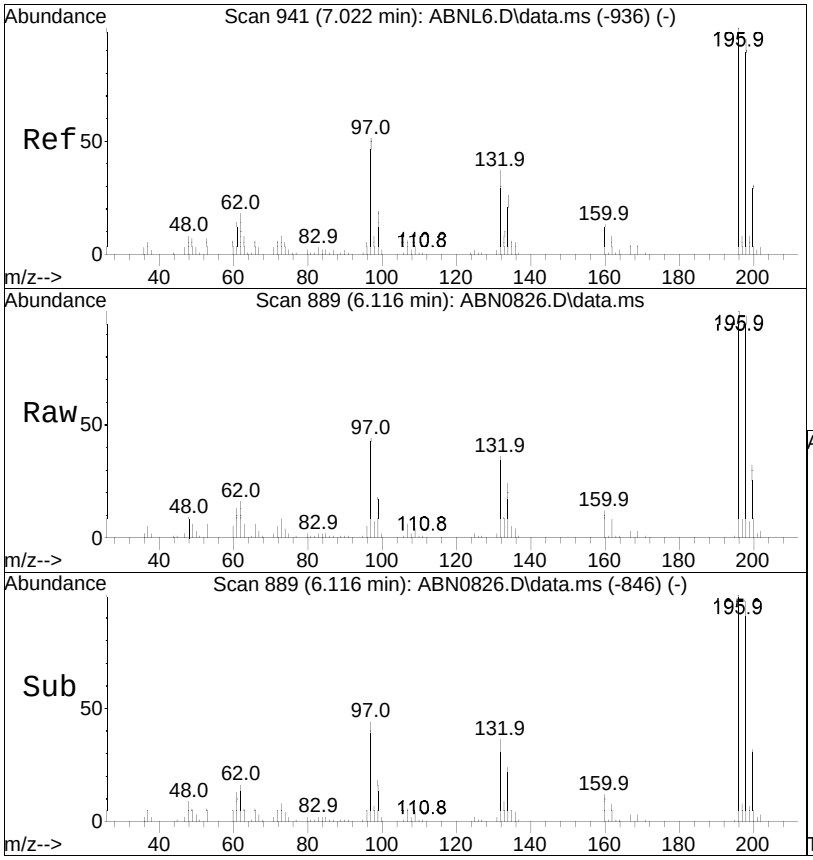


#43
Hexachlorocyclopentadiene
Concen: 4.56 ug/ml
RT: 5.987 min Scan# 867
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:237 Resp: 23045

Ion	Ratio	Lower	Upper
237	100		
235	63.8	50.9	76.3
272	13.3	10.1	15.1

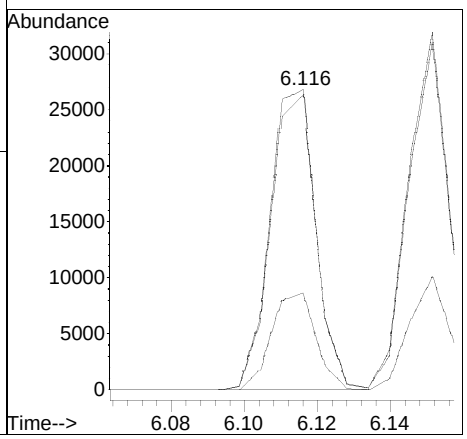


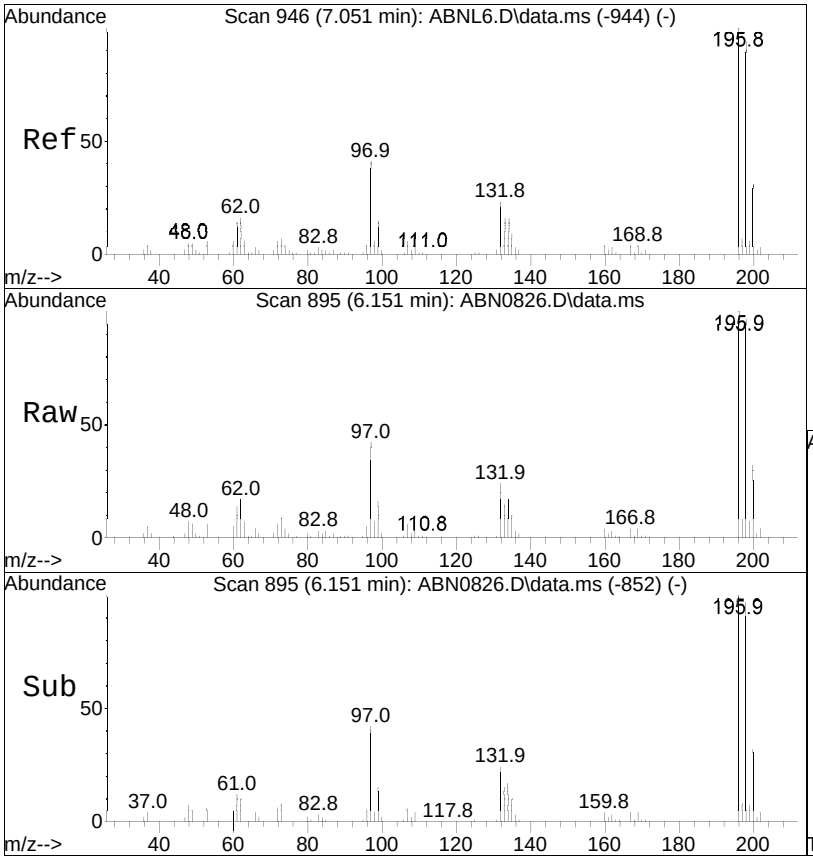


#44
2,4,6-Trichlorophenol
Concen: 4.54 ug/ml
RT: 6.116 min Scan# 889
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:196 Resp: 23461

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.4	114.6
200	31.2	24.4	36.6

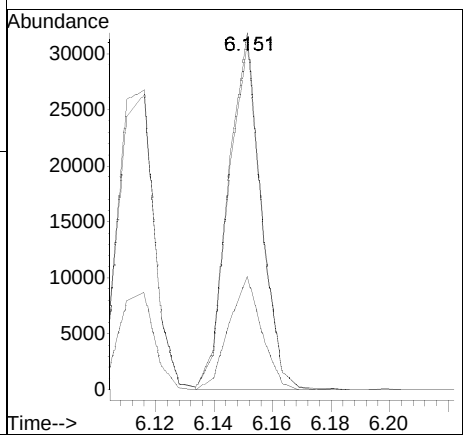


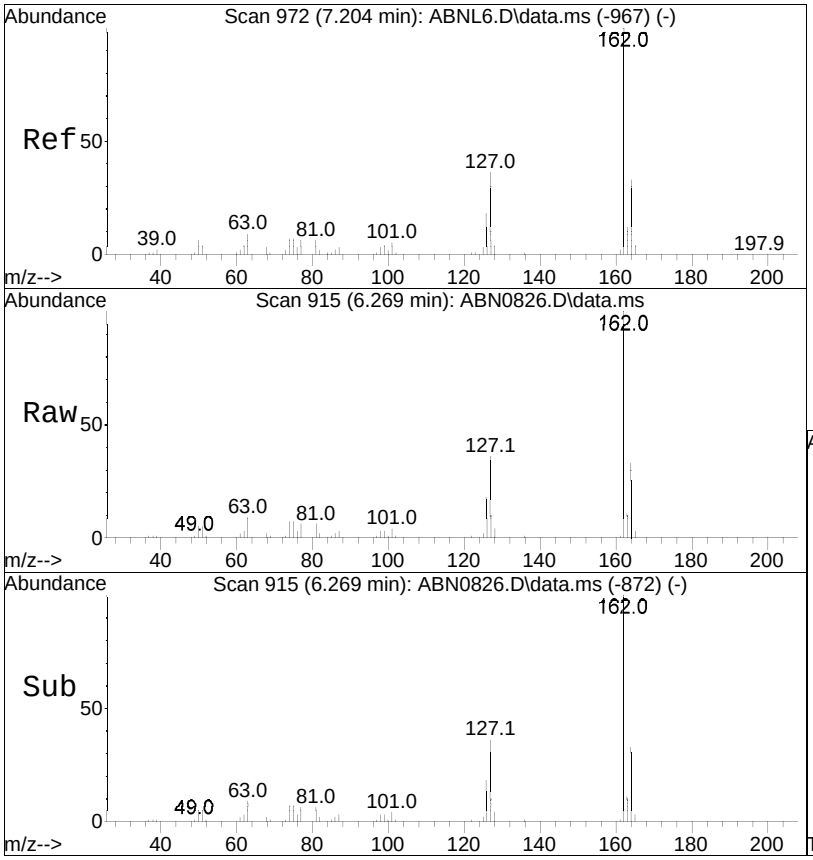


#45
2,4,5-Trichlorophenol
Concen: 4.74 ug/ml
RT: 6.151 min Scan# 895
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:196 Resp: 25064

Ion	Ratio	Lower	Upper
196	100		
200	31.3	24.2	36.4
198	96.1	76.2	114.2

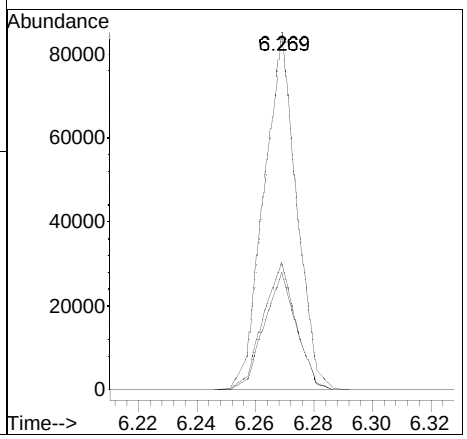


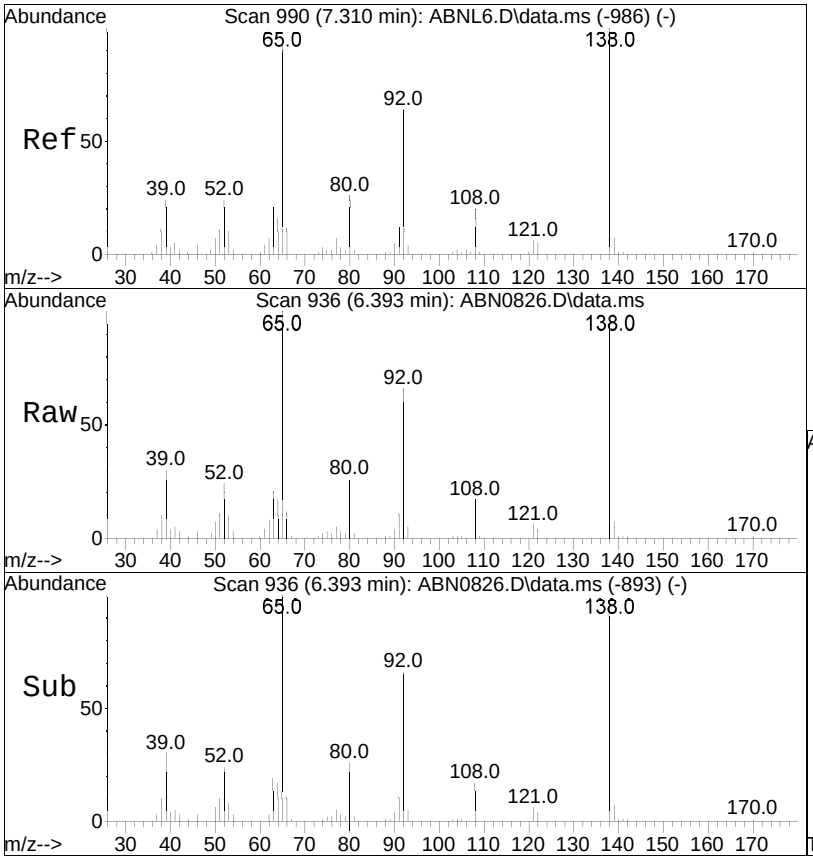


#47
2-Chloronaphthalene
Concen: 4.27 ug/ml
RT: 6.269 min Scan# 915
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:162 Resp: 65267

Ion	Ratio	Lower	Upper
162	100		
127	36.0	33.8	50.6
164	32.8	25.8	38.6

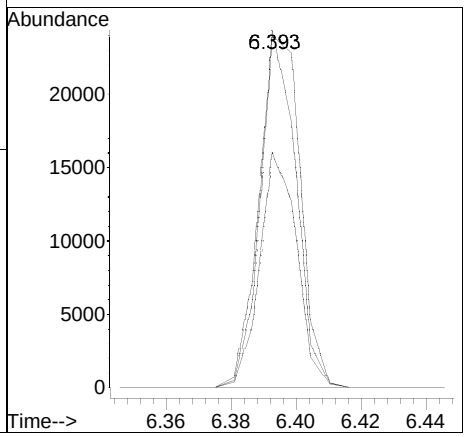


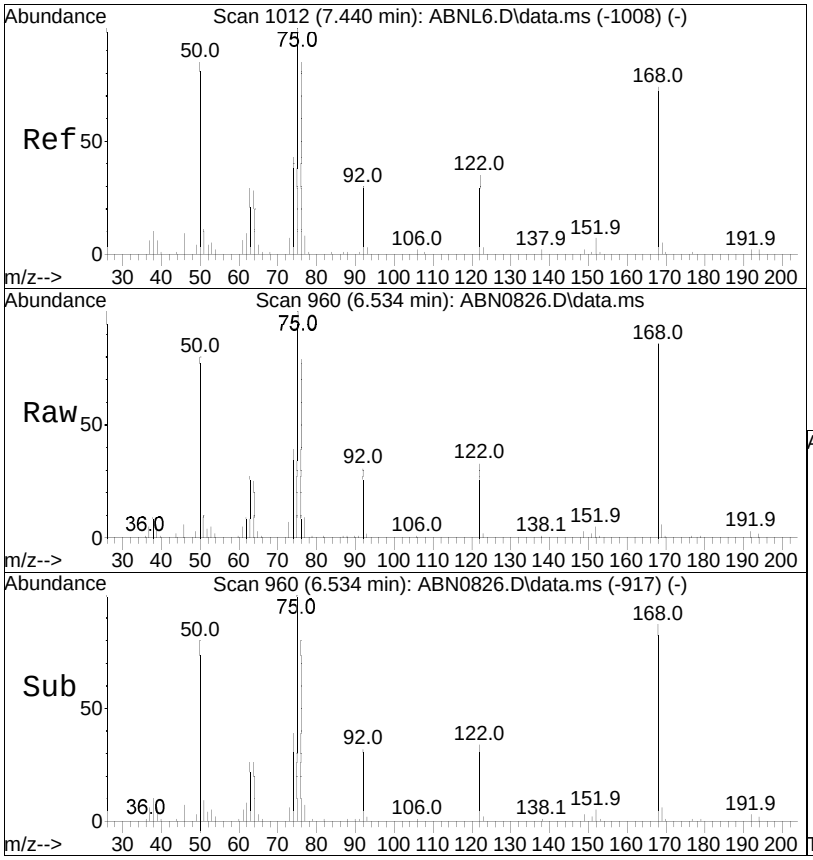


#48
2-Nitroaniline
Concen: 5.05 ug/ml
RT: 6.393 min Scan# 936
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:138 Resp: 20423

Ion	Ratio	Lower	Upper
138	100		
92	61.7	52.1	78.1
65	92.9	75.9	113.9

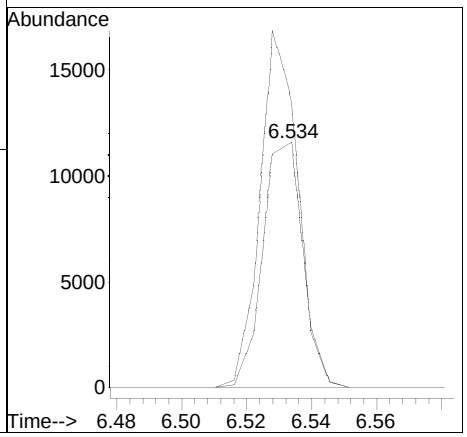


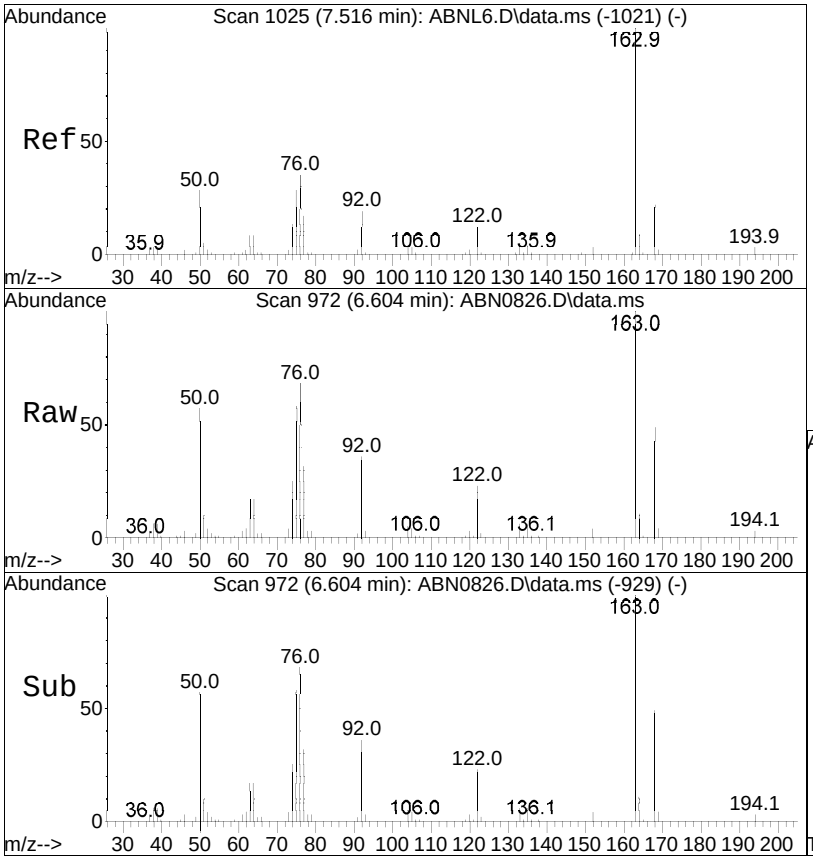


#49
1,4-Dinitrobenzene
Concen: 5.05 ug/ml
RT: 6.534 min Scan# 960
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:168 Resp: 10009

Ion	Ratio	Lower	Upper
168	100		
75	135.4	111.0	166.4

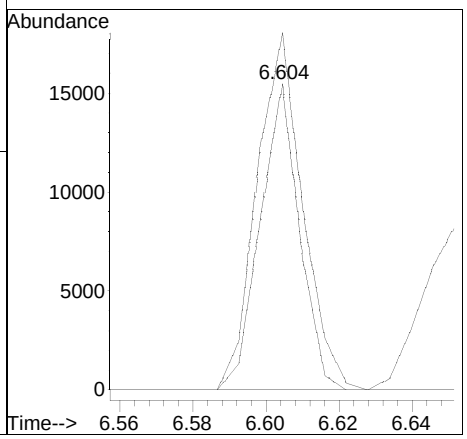


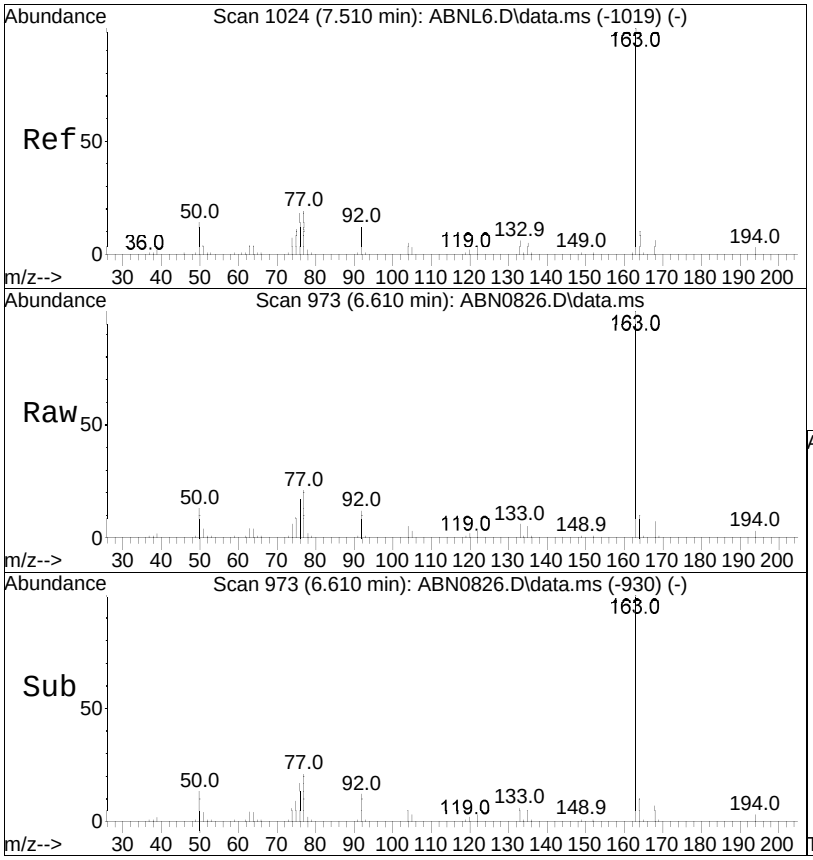


#50
1,3-Dinitrobenzene
Concen: 5.00 ug/ml
RT: 6.604 min Scan# 972
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:168 Resp: 11498

Ion	Ratio	Lower	Upper
168	100		
75	136.4	116.4	174.6

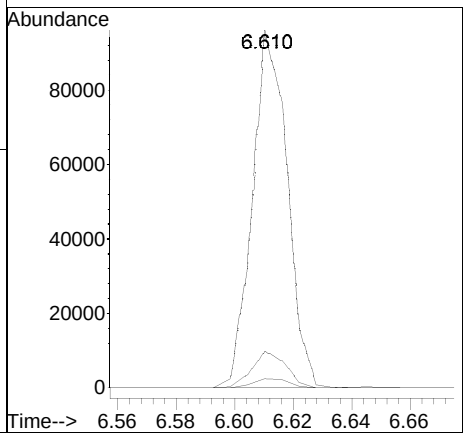


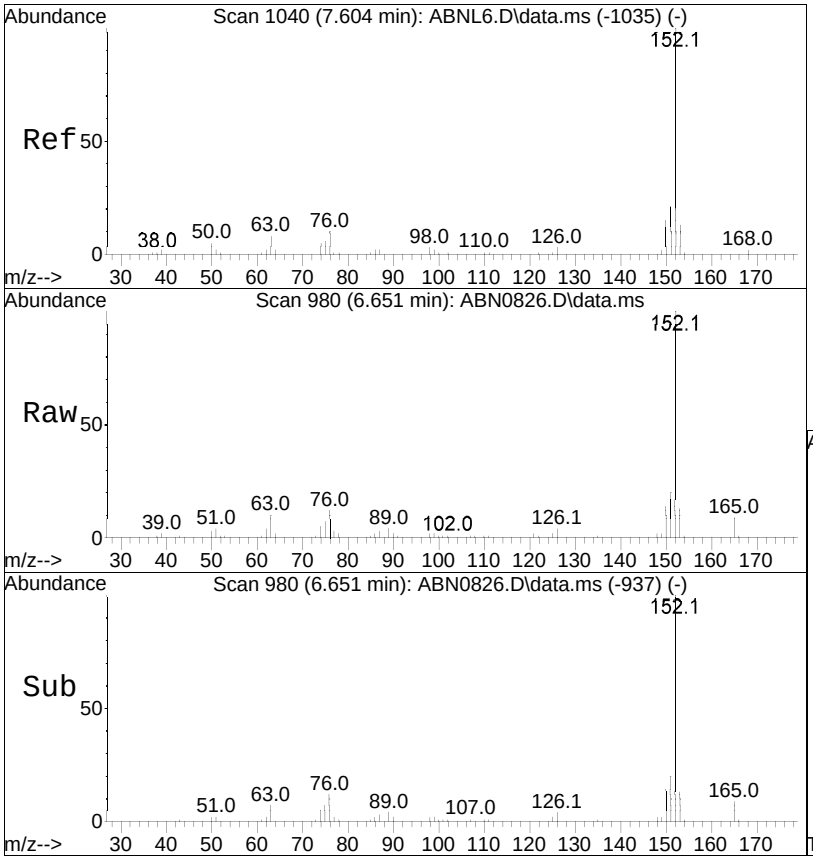


#51
Dimethyl phthalate
Concen: 4.22 ug/ml
RT: 6.610 min Scan# 973
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:163 Resp: 78576

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.3	3.5
164	10.1	8.2	12.2

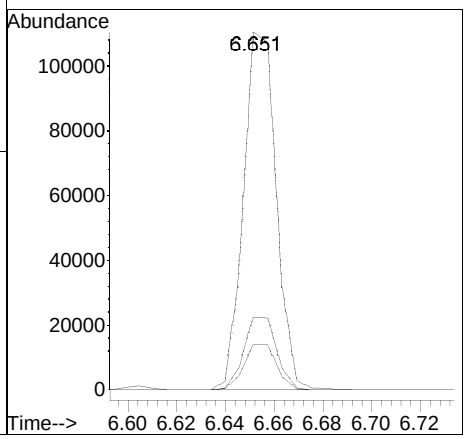


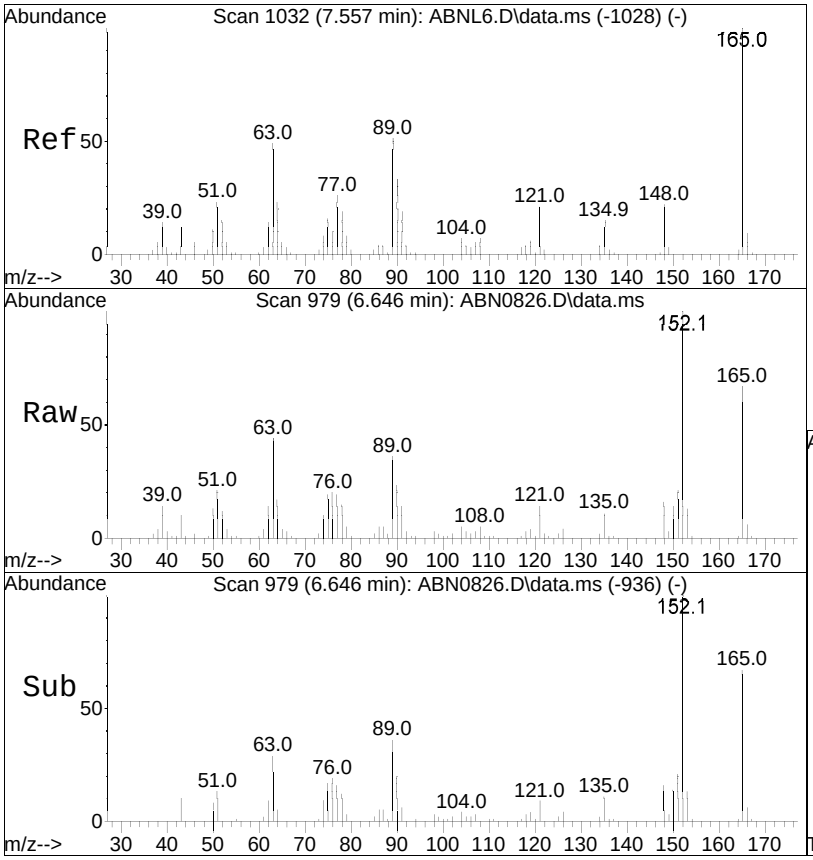


#52
Acenaphthylene
Concen: 4.51 ug/ml
RT: 6.651 min Scan# 980
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:152 Resp: 101936

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.9	23.9
153	12.8	10.5	15.7

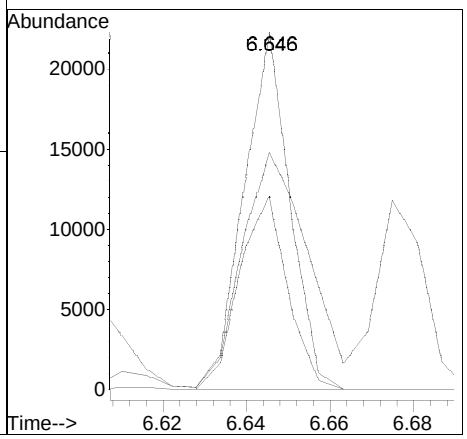


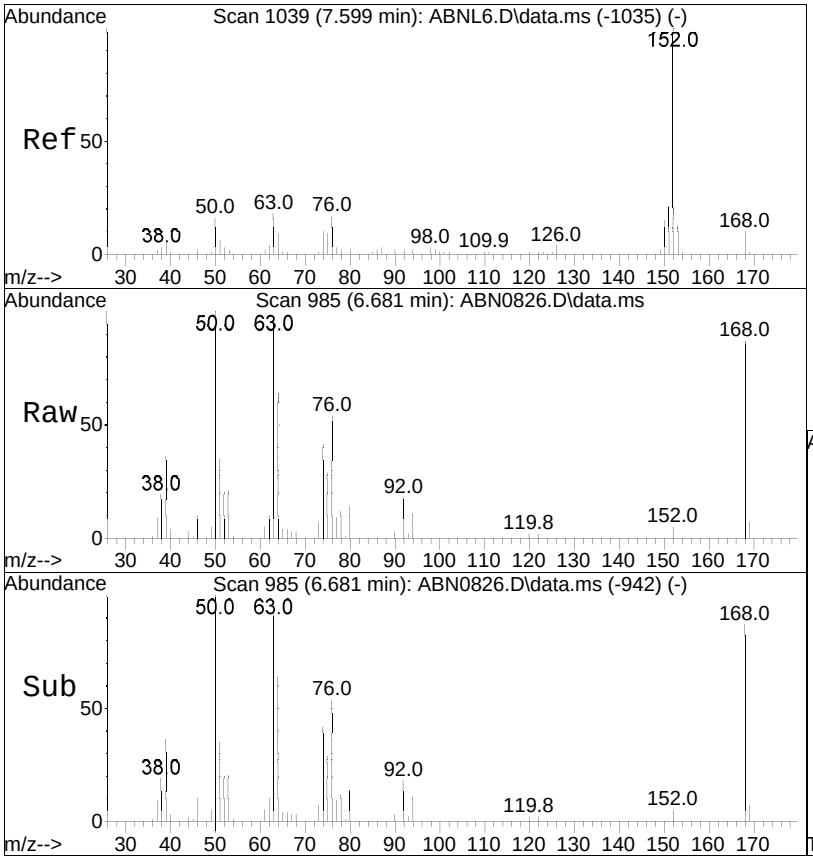


#53
2,6-Dinitrotoluene
Concen: 4.89 ug/ml
RT: 6.646 min Scan# 979
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:165 Resp: 17019

Ion	Ratio	Lower	Upper
165	100		
89	56.9	48.8	73.2
63	94.1	50.5	75.7#

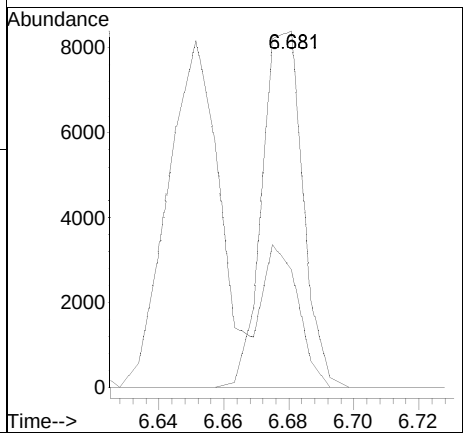


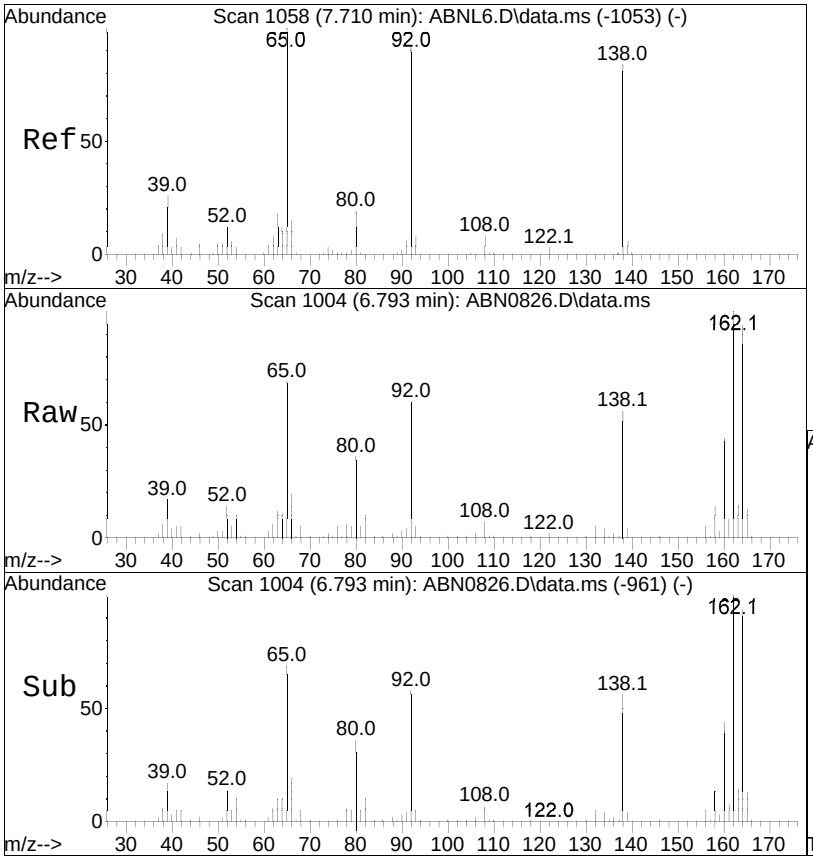


#54
1,2-Dinitrobenzene
Concen: 4.80 ug/ml
RT: 6.681 min Scan# 985
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:168 Resp: 7349

Ion	Ratio	Lower	Upper
168	100		
75	126.7	32.2	48.2#

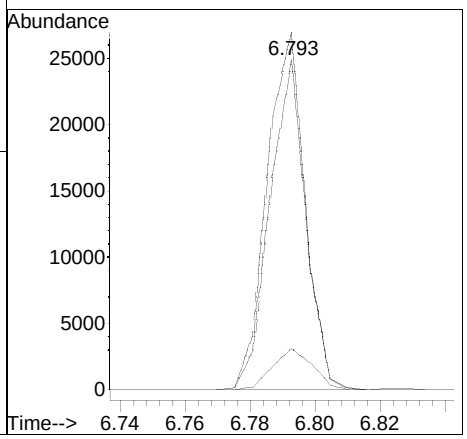


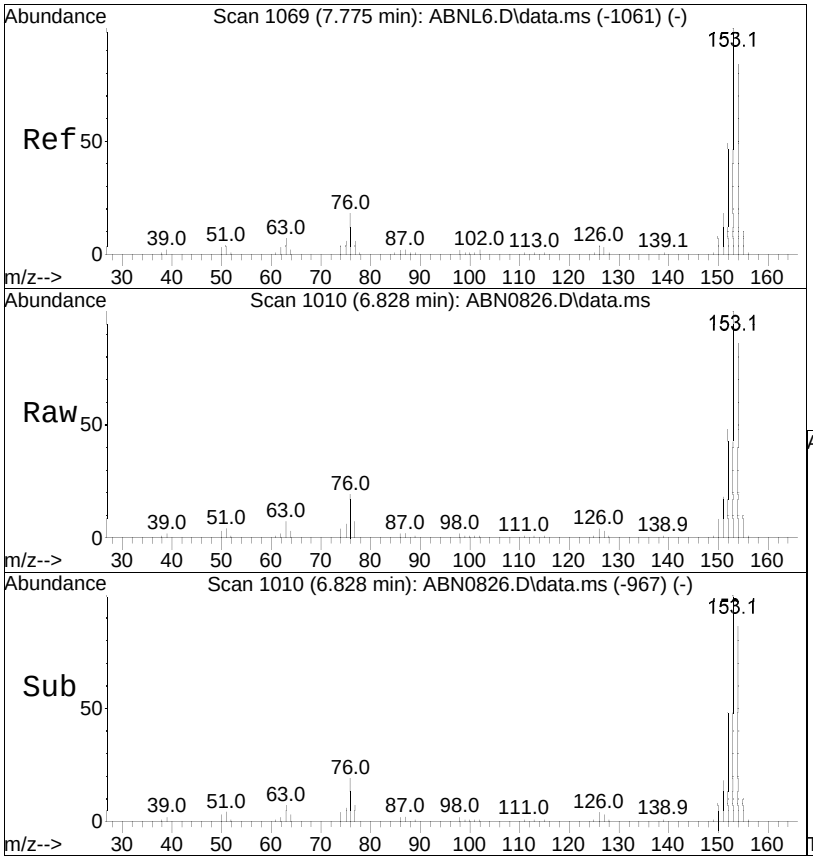


#64
3-Nitroaniline
Concen: 5.22 ug/ml
RT: 6.793 min Scan# 1004
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:138 Resp: 18962

Ion	Ratio	Lower	Upper
138	100		
92	114.8	92.8	139.2
108	14.1	7.9	11.9#

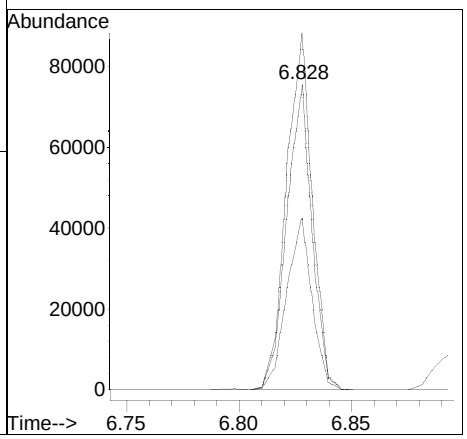


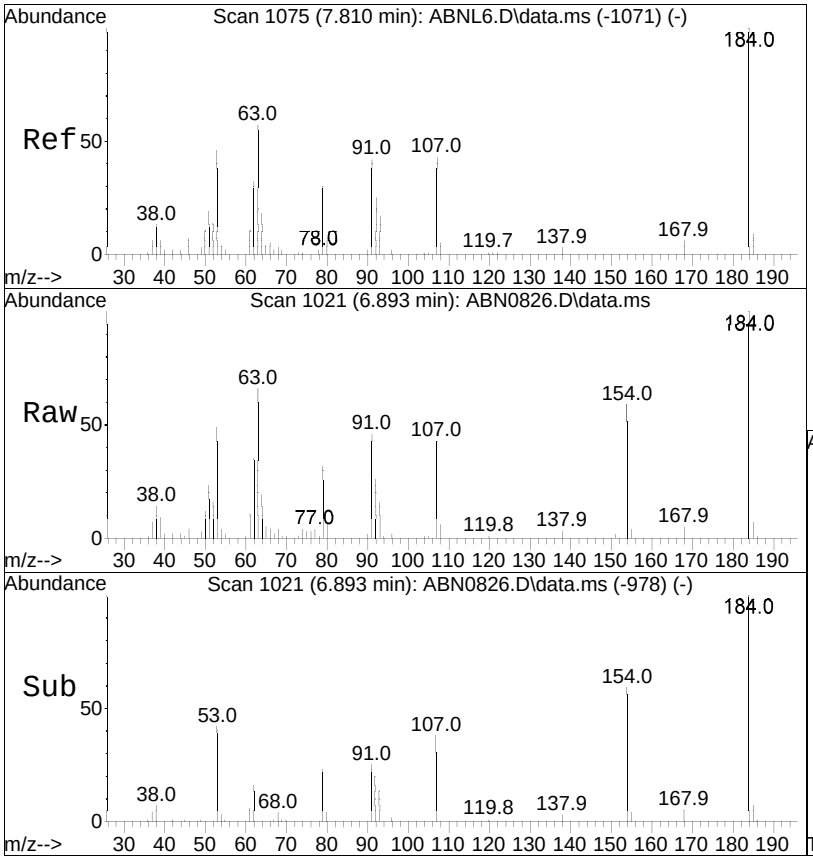


#65
Acenaphthene
Concen: 4.35 ug/ml
RT: 6.828 min Scan# 1010
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:154 Resp: 58904

Ion	Ratio	Lower	Upper
154	100		
153	119.5	93.0	139.4
152	56.6	43.3	64.9

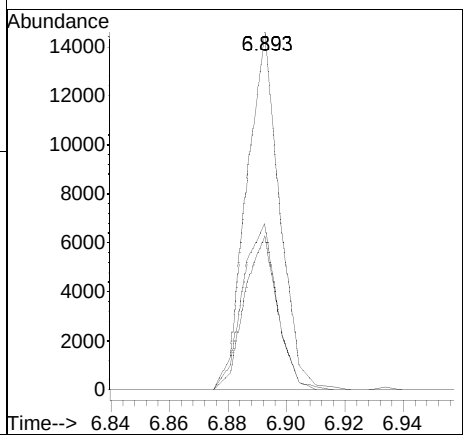


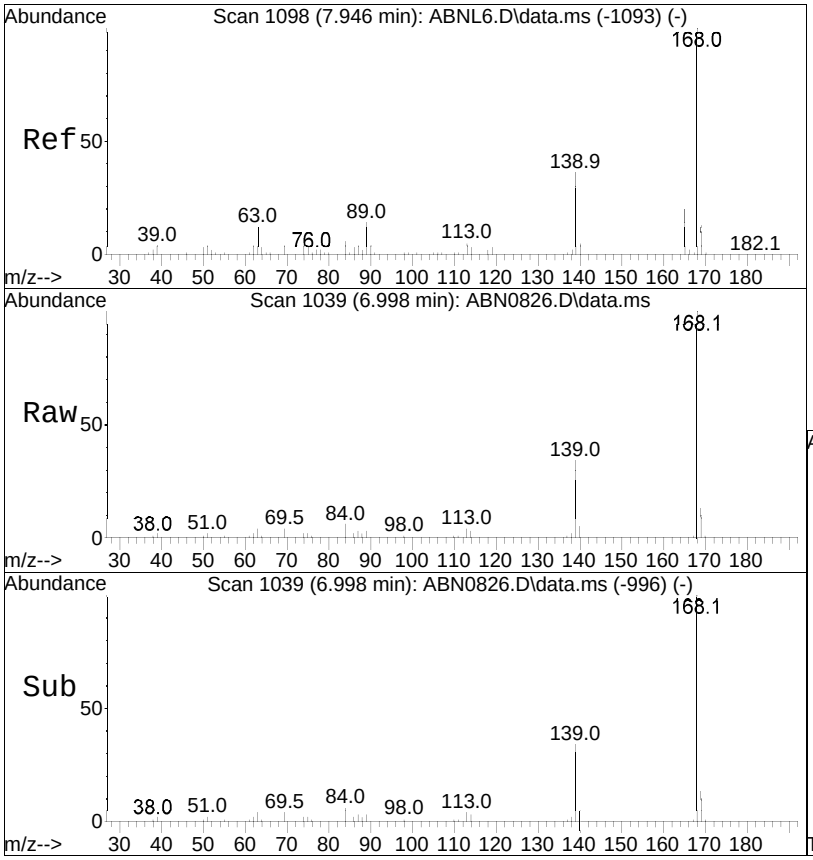


#66
2,4-Dinitrophenol
Concen: 5.72 ug/ml
RT: 6.893 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:184 Resp: 11358

Ion	Ratio	Lower	Upper
184	100		
107	43.2	41.8	62.6
91	48.6	44.2	66.2

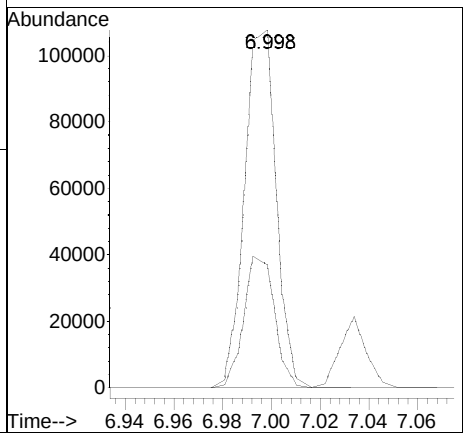


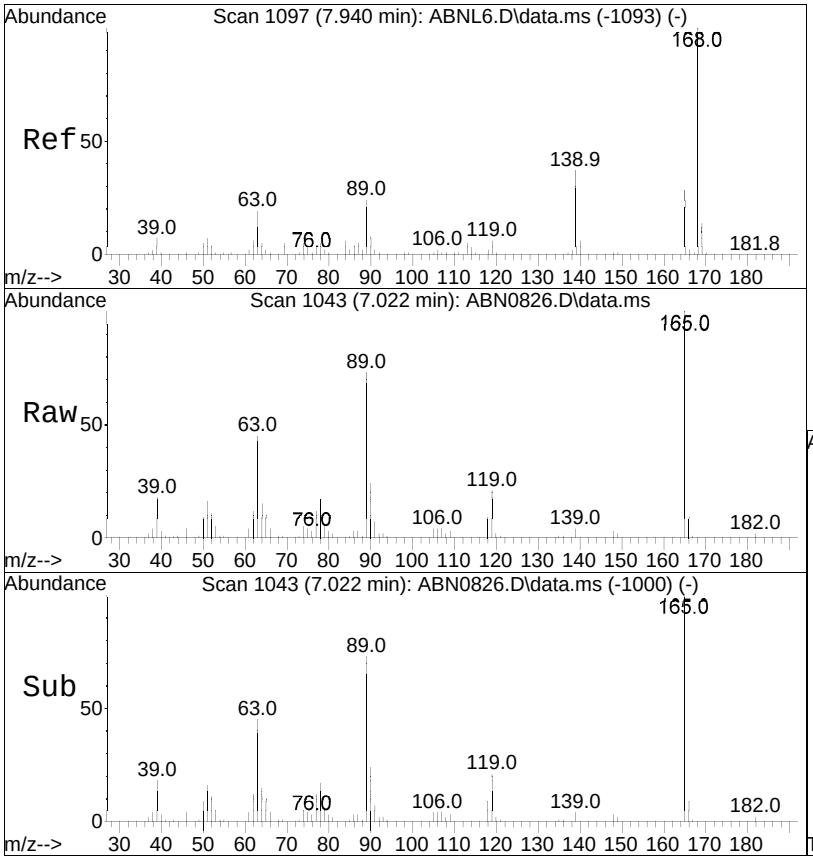


#67
Dibenzofuran
Concen: 4.32 ug/ml
RT: 6.998 min Scan# 1039
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:168 Resp: 96477

Ion	Ratio	Lower	Upper
168	100		
139	35.8	32.3	48.5

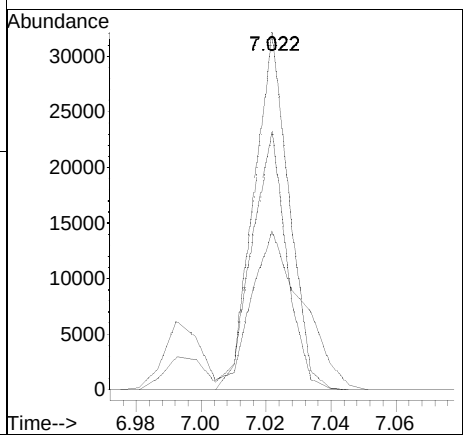


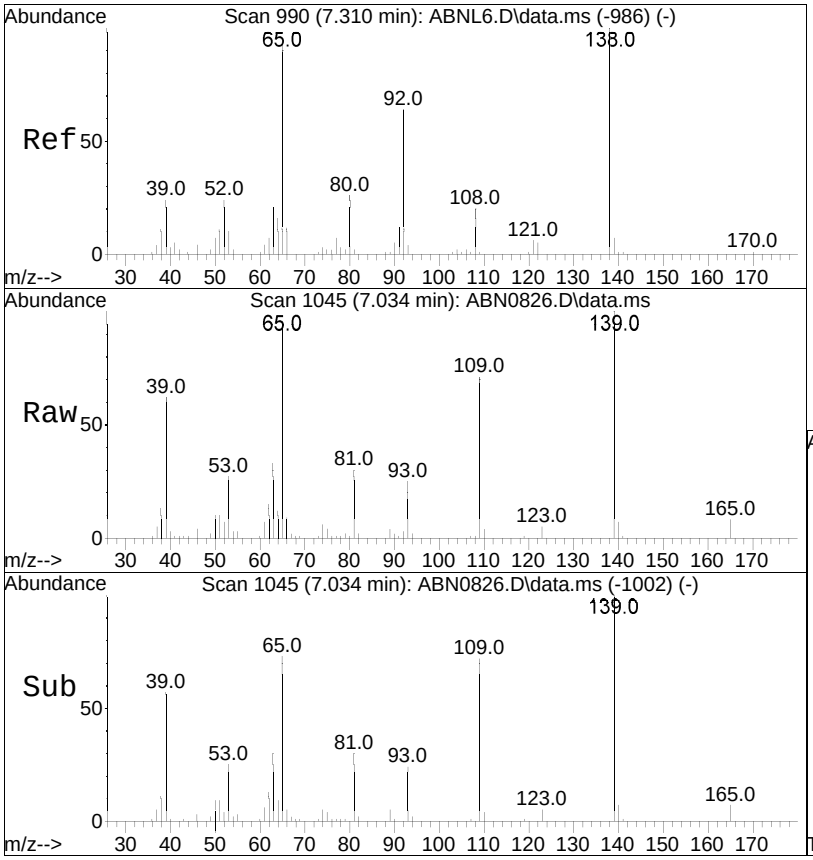


#68
2,4-Dinitrotoluene
Concen: 5.15 ug/ml
RT: 7.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:165 Resp: 24000

Ion	Ratio	Lower	Upper
165	100		
89	71.7	73.0	109.4#
63	64.4	56.3	84.5

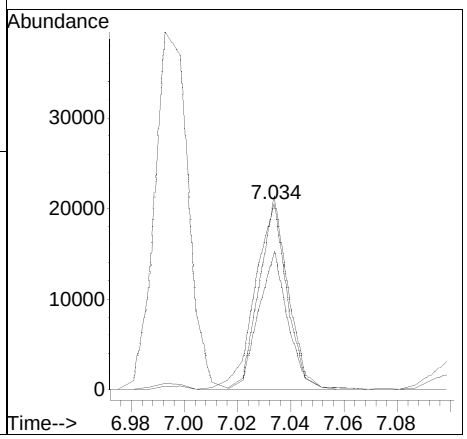


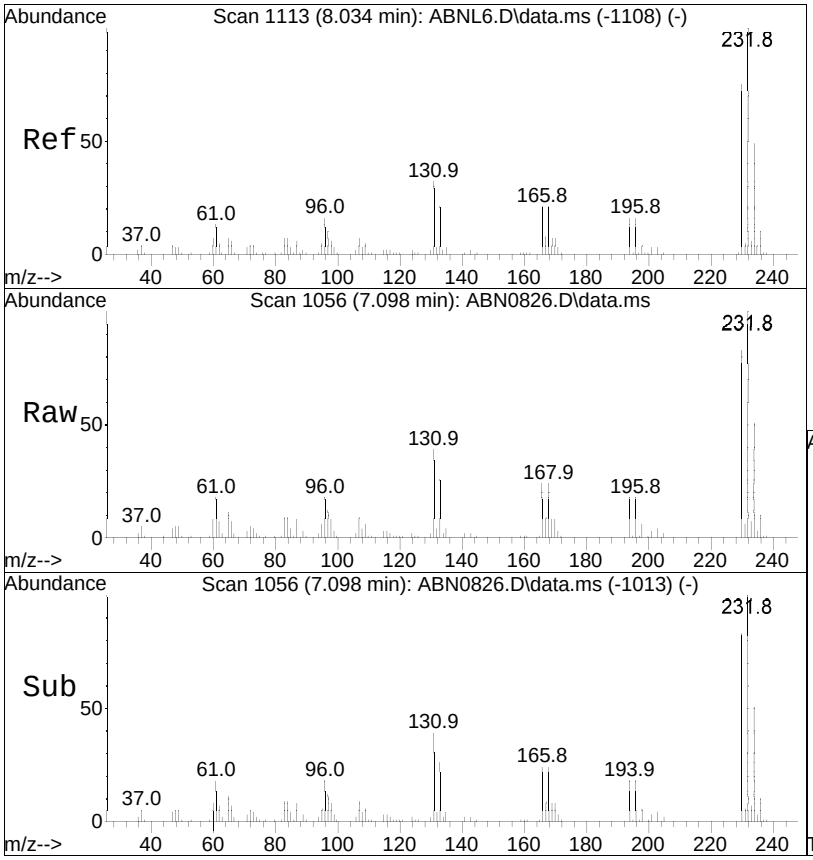


#69
4-Nitrophenol
Concen: 4.89 ug/ml
RT: 7.034 min Scan# 1045
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 65 Resp: 17207

Ion	Ratio	Lower	Upper
65	100		
109	67.5	60.2	90.2
139	93.5	81.1	121.7

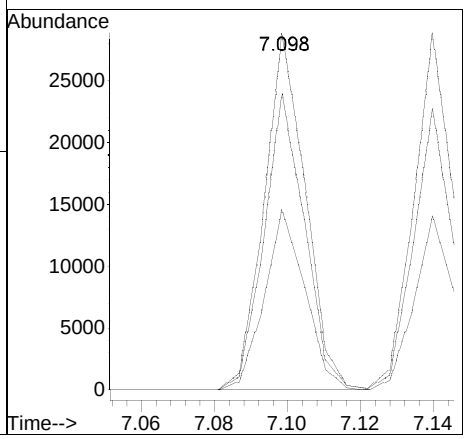


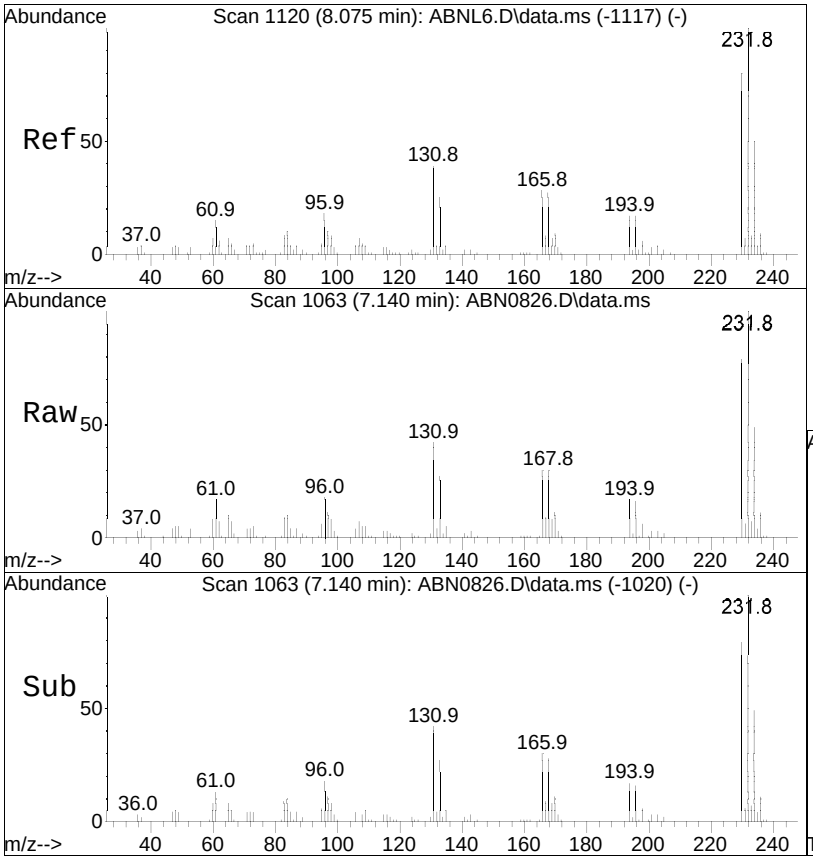


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.94 ug/ml
RT: 7.098 min Scan# 1056
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:232 Resp: 22593

Ion	Ratio	Lower	Upper
232	100		
230	81.9	63.8	95.8
234	49.8	38.3	57.5

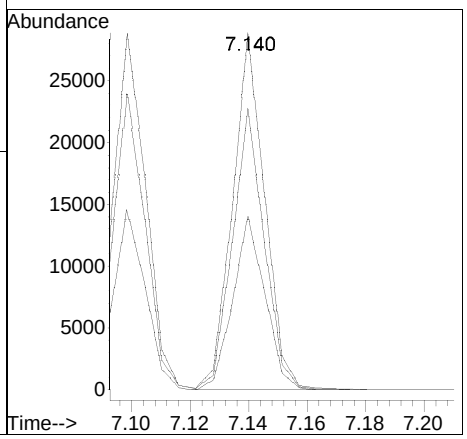


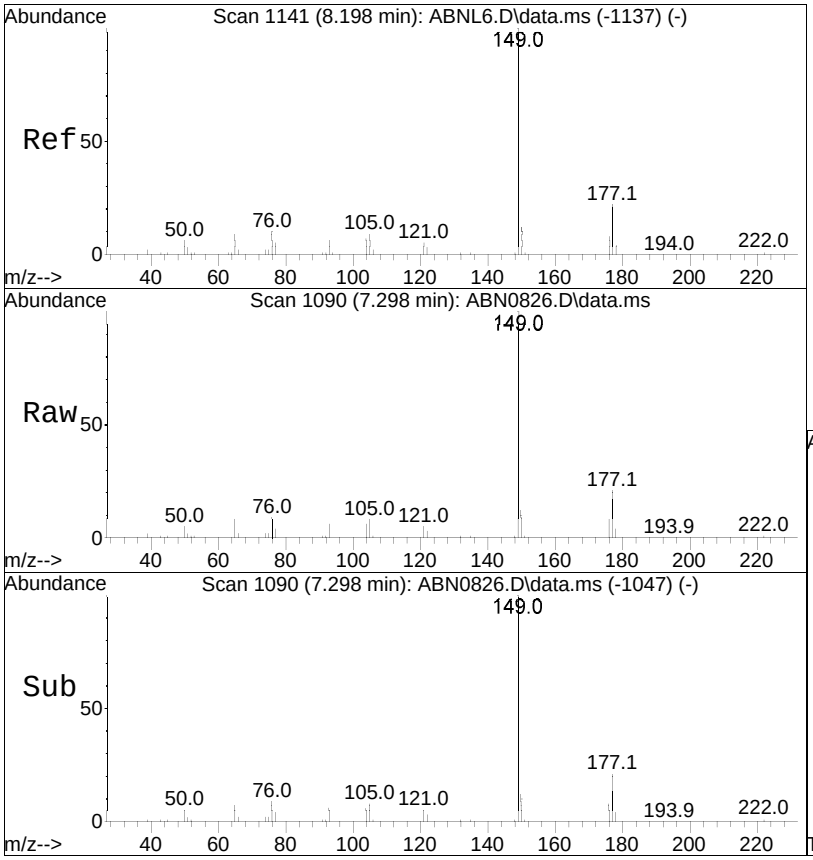


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.91 ug/ml
RT: 7.140 min Scan# 1063
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:232 Resp: 22093

Ion	Ratio	Lower	Upper
232	100		
230	78.1	63.8	95.8
234	48.6	39.0	58.6

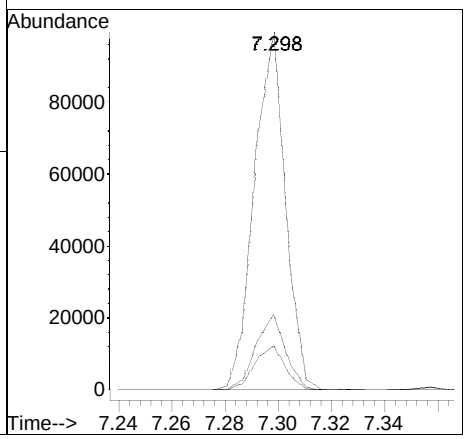


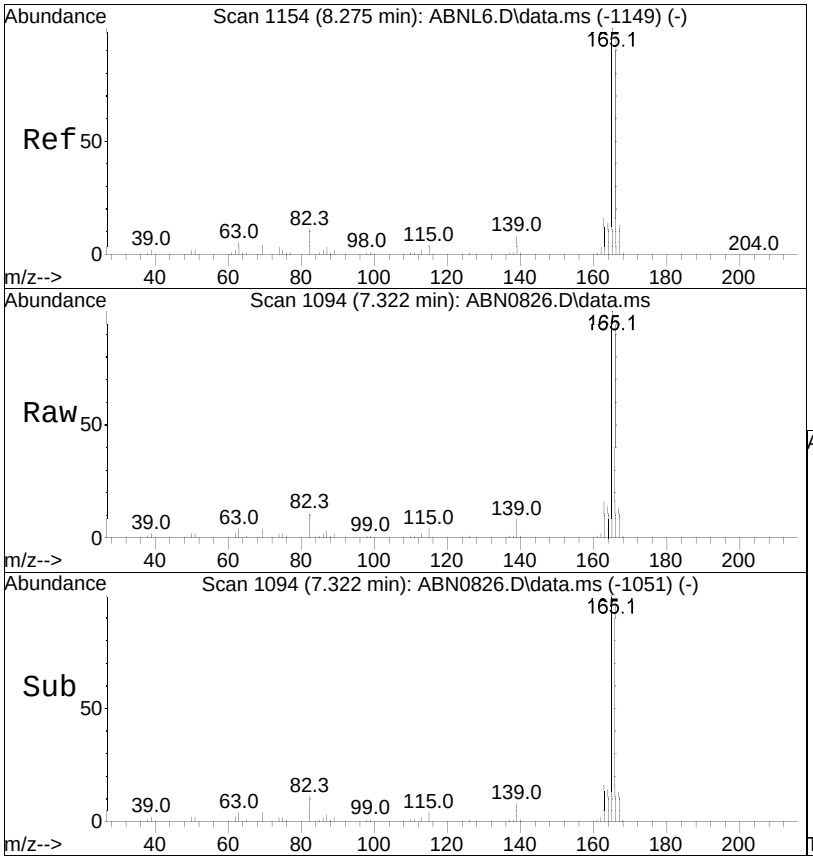


#72
Diethyl phthalate
Concen: 4.43 ug/ml
RT: 7.298 min Scan# 1090
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:149 Resp: 80048

Ion	Ratio	Lower	Upper
149	100		
177	20.3	15.0	22.6
150	12.4	9.8	14.6

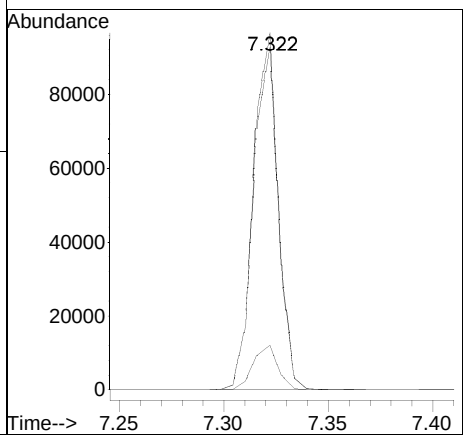


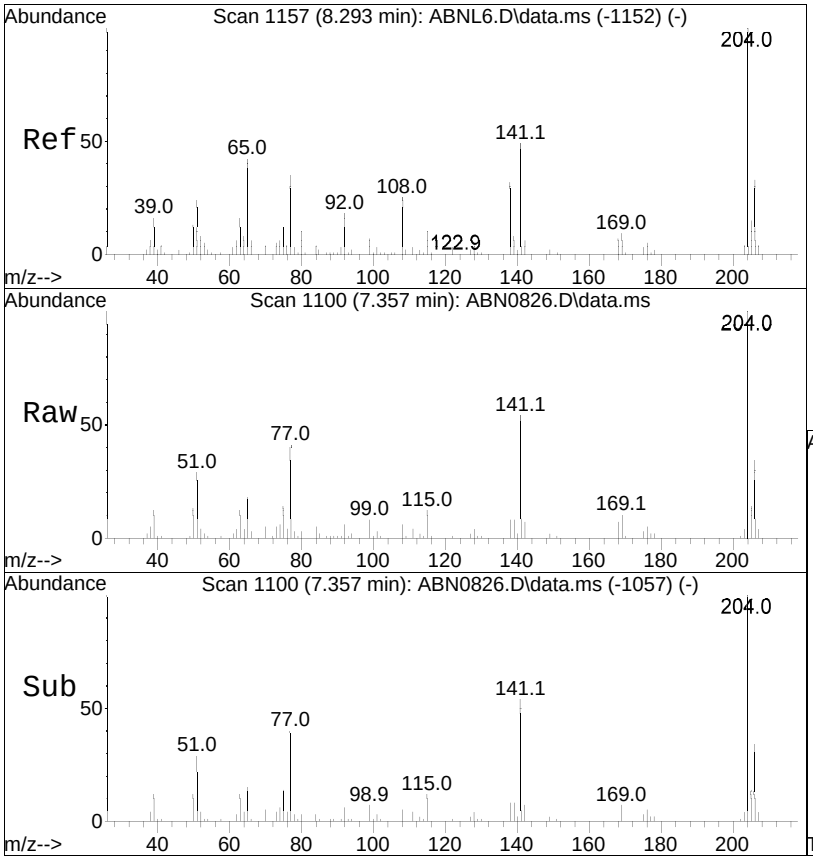


#73
Fluorene
Concen: 4.41 ug/ml
RT: 7.322 min Scan# 1094
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:166 Resp: 76758

Ion	Ratio	Lower	Upper
166	100		
165	104.0	80.0	120.0
167	13.0	10.7	16.1

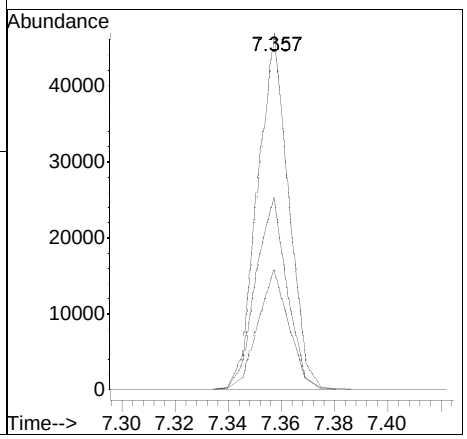


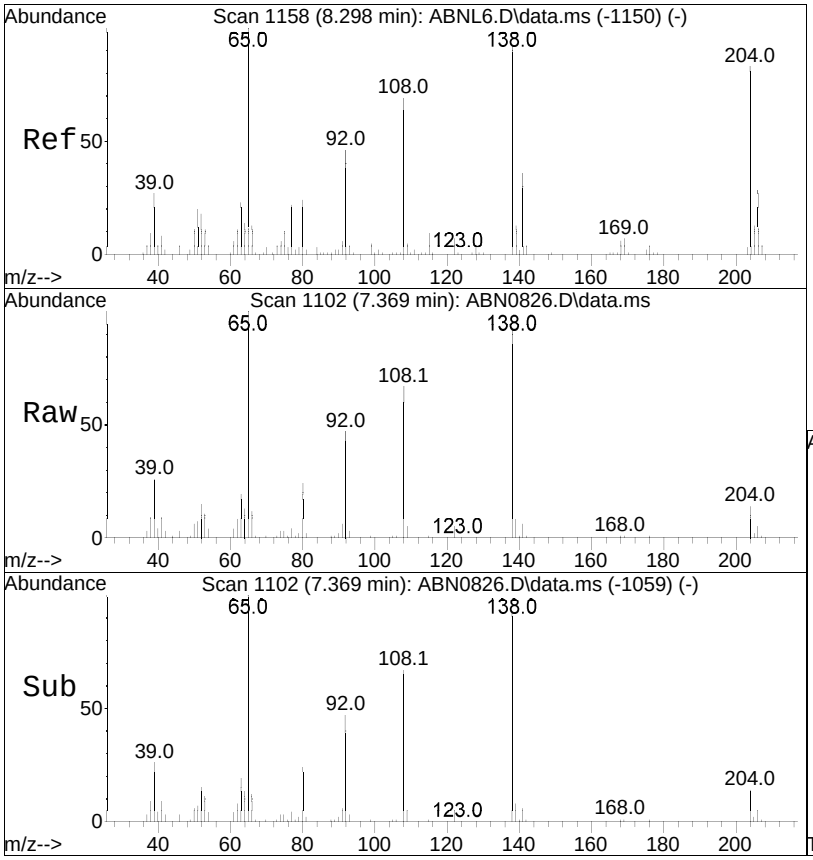


#74
4-Chlorophenyl phenyl ether
Concen: 3.98 ug/ml
RT: 7.357 min Scan# 1100
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:204 Resp: 37729

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.3	39.5
141	54.6	58.4	87.6#

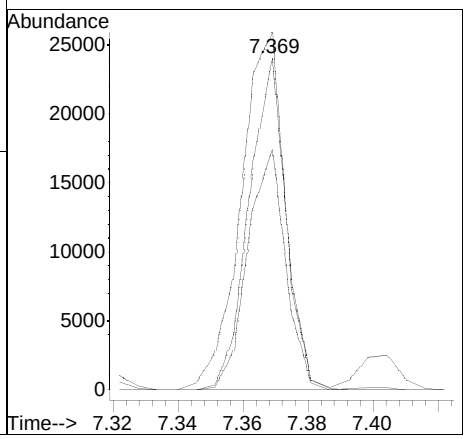


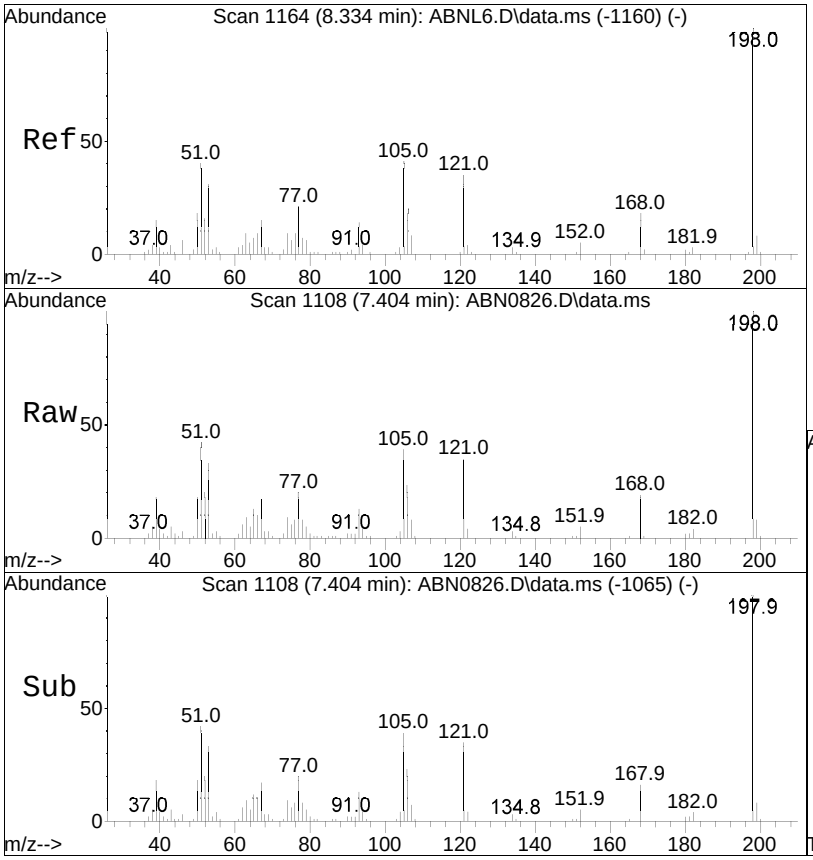


#75
4-Nitroaniline
Concen: 4.96 ug/ml
RT: 7.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:138 Resp: 18941

Ion	Ratio	Lower	Upper
138	100		
108	74.4	59.2	88.8
65	127.7	97.6	146.4

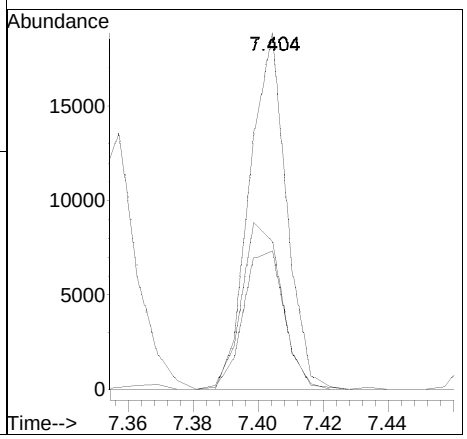


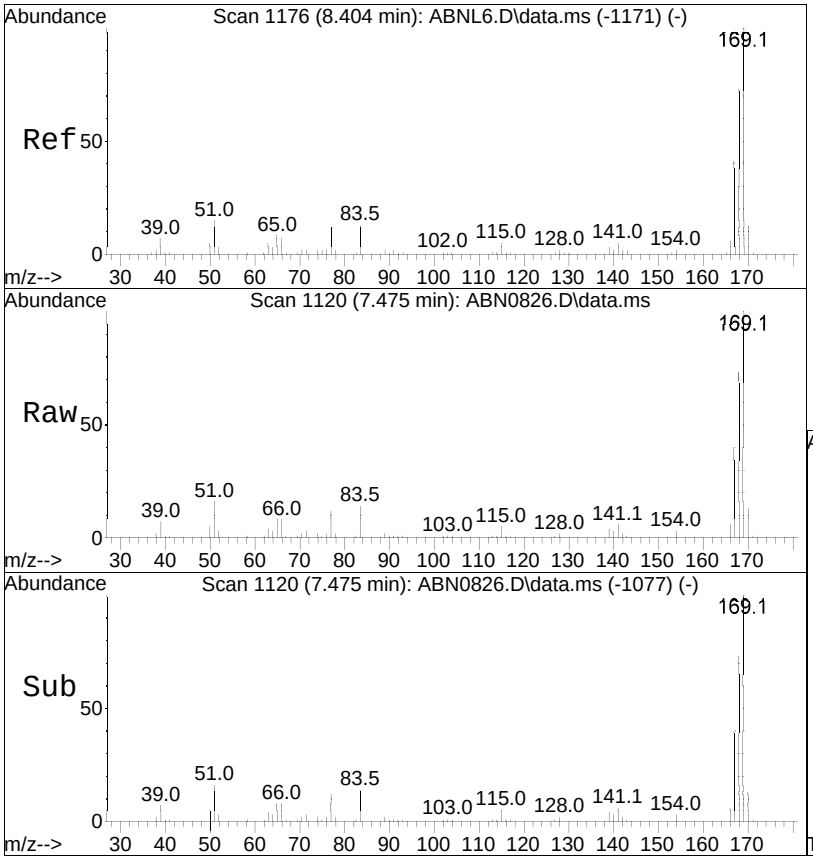


#76
4,6-Dinitro-o-cresol
Concen: 4.99 ug/ml
RT: 7.404 min Scan# 1108
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:198 Resp: 14898

Ion	Ratio	Lower	Upper
198	100		
51	50.9	49.9	74.9
105	43.8	45.8	68.6#

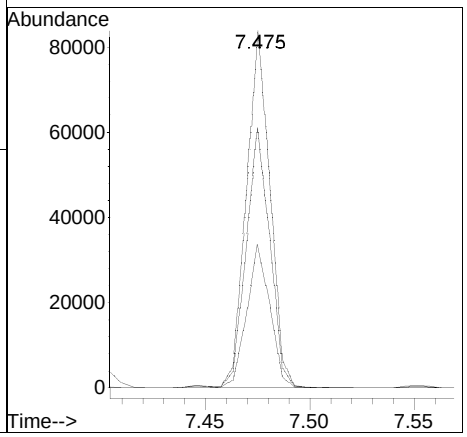


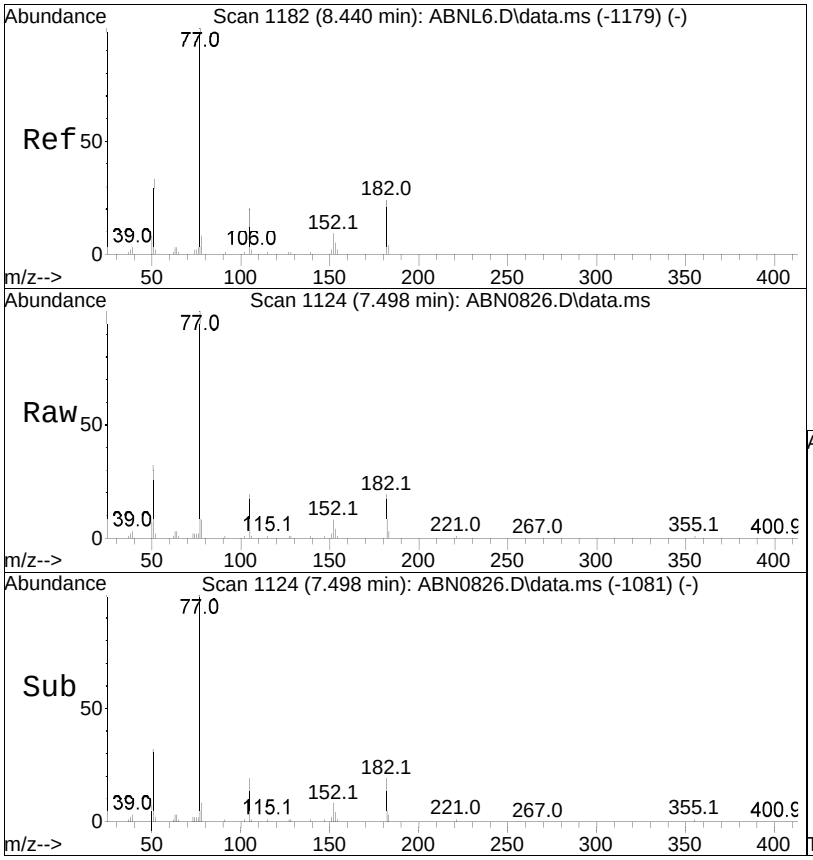


#77
NDPA/DPA
Concen: 4.38 ug/ml
RT: 7.475 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:169 Resp: 65499

Ion	Ratio	Lower	Upper
169	100		
168	73.8	55.2	82.8
167	40.1	30.4	45.6

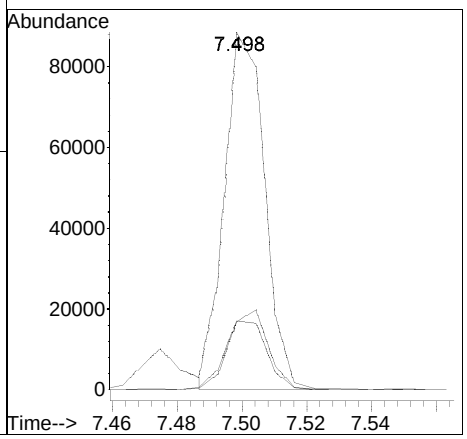


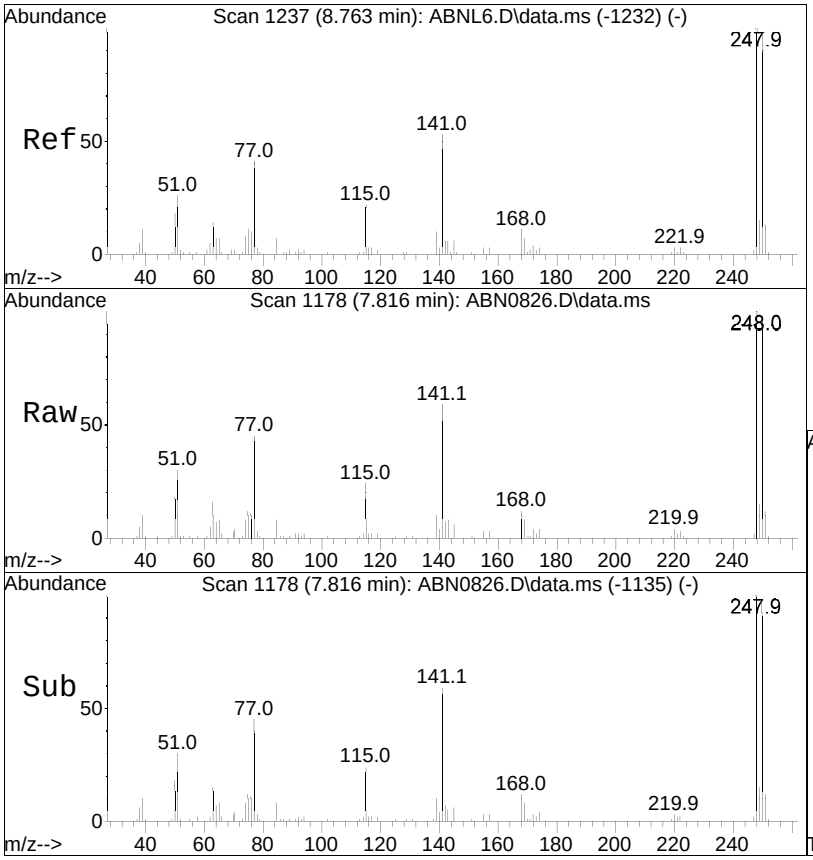


#78
Azobenzene
Concen: 4.78 ug/ml M6
RT: 7.498 min Scan# 1124
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion: 77 Resp: 75897

Ion	Ratio	Lower	Upper
77	100		
182	22.0	16.2	24.2
105	20.6	17.9	26.9

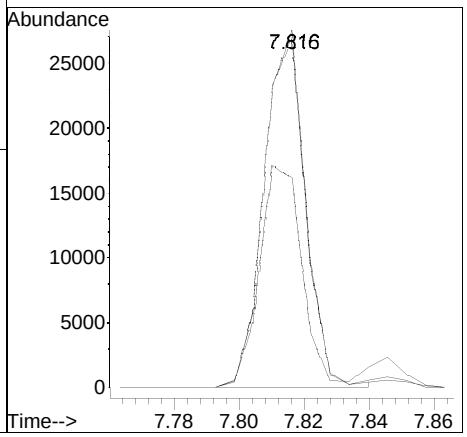


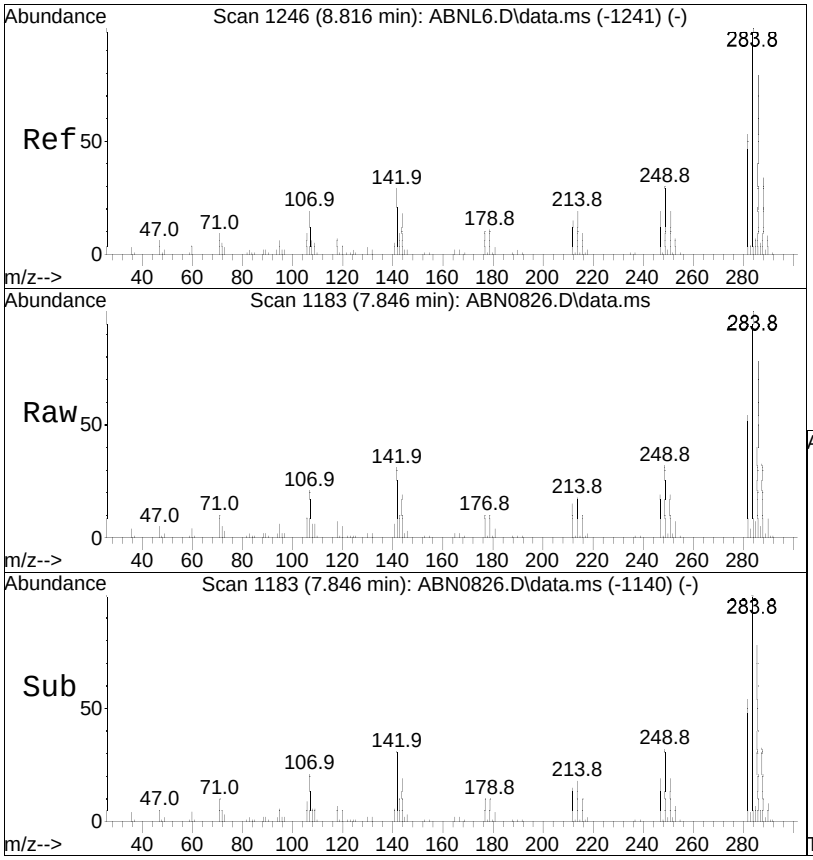


#80
4-Bromophenyl phenyl ether
Concen: 3.97 ug/ml
RT: 7.816 min Scan# 1178
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:248 Resp: 24087

Ion	Ratio	Lower	Upper
248	100		
141	64.5	74.6	111.8#
250	98.1	76.9	115.3

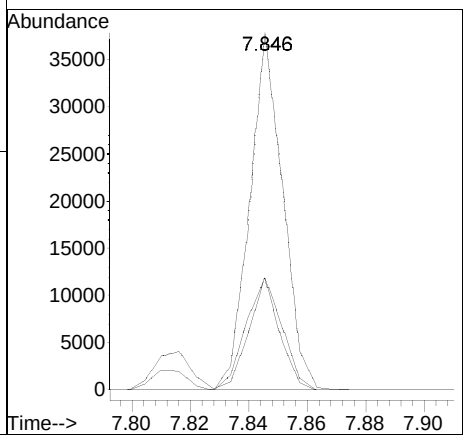


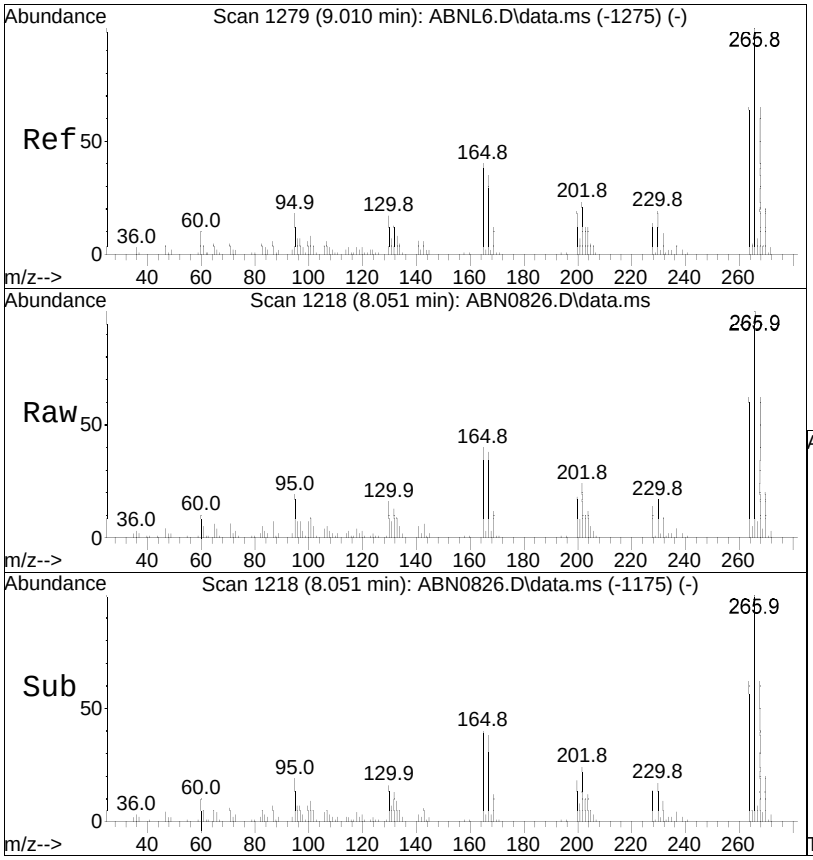


#81
Hexachlorobenzene
Concen: 3.88 ug/ml
RT: 7.846 min Scan# 1183
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:284 Resp: 29564

Ion	Ratio	Lower	Upper
284	100		
142	32.1	37.6	56.4#
249	31.8	25.4	38.2

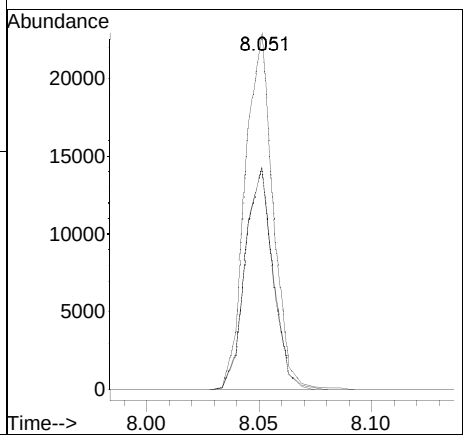


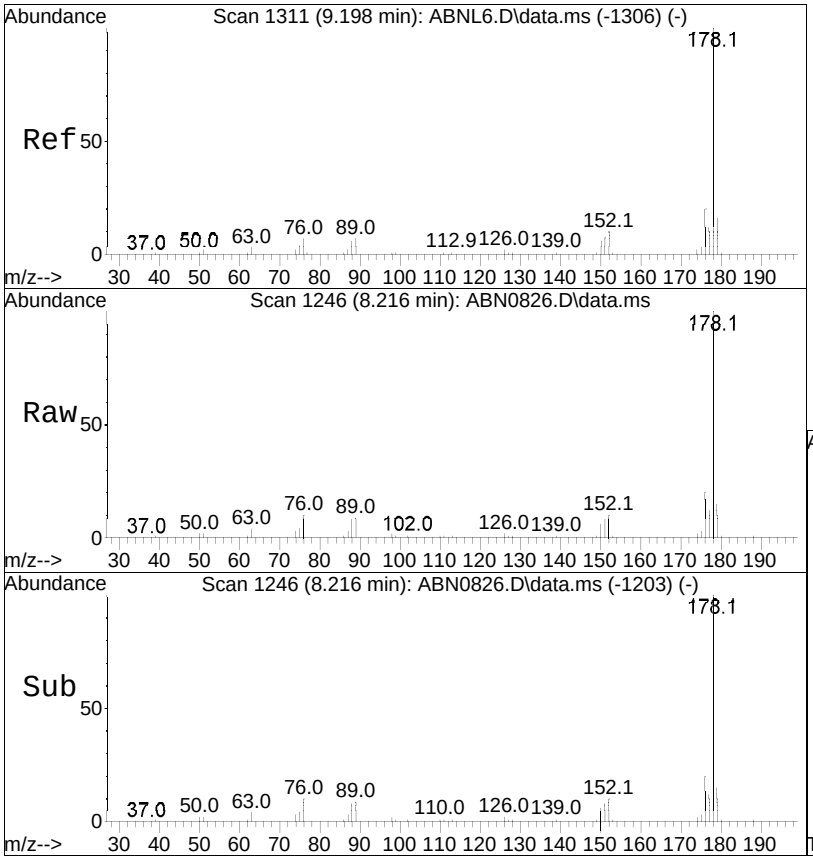


#82
Pentachlorophenol
Concen: 5.04 ug/ml
RT: 8.051 min Scan# 1218
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:266 Resp: 19734

Ion	Ratio	Lower	Upper
266	100		
264	61.9	50.7	76.1
268	62.4	52.5	78.7

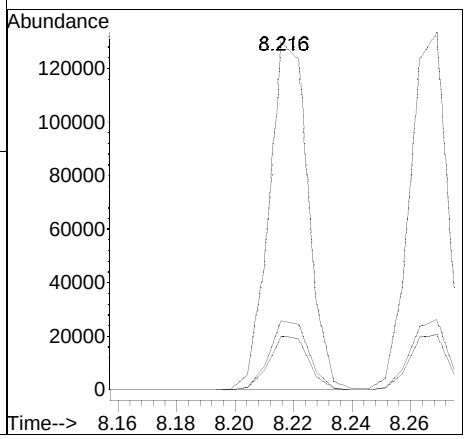


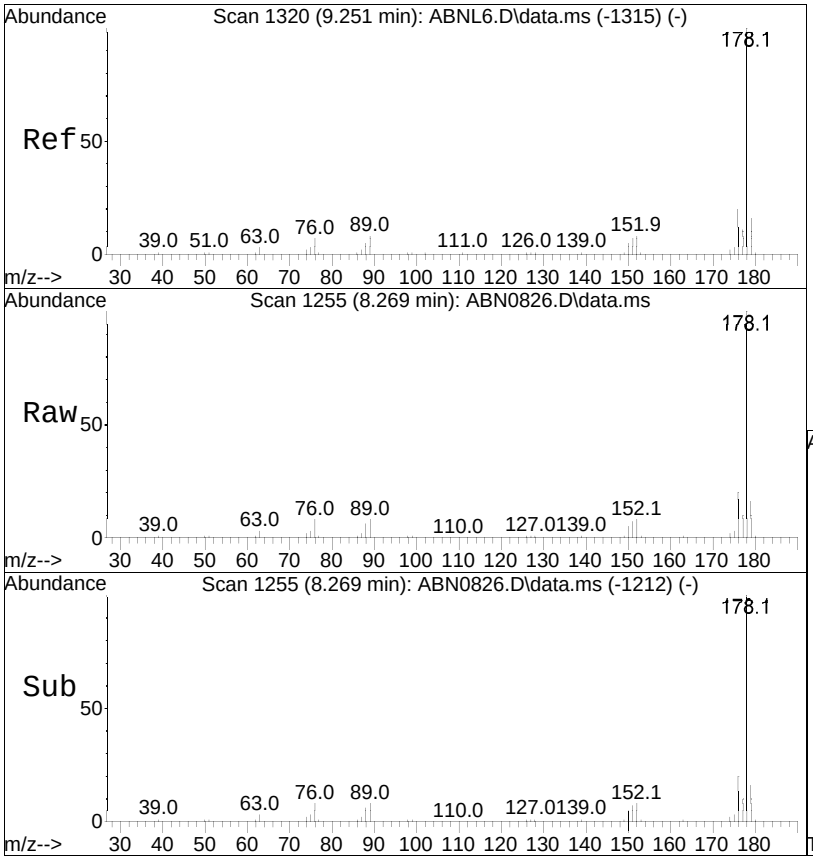


#89
Phenanthrene
Concen: 4.41 ug/ml
RT: 8.216 min Scan# 1246
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:178 Resp: 120973

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.8	15.4	23.2

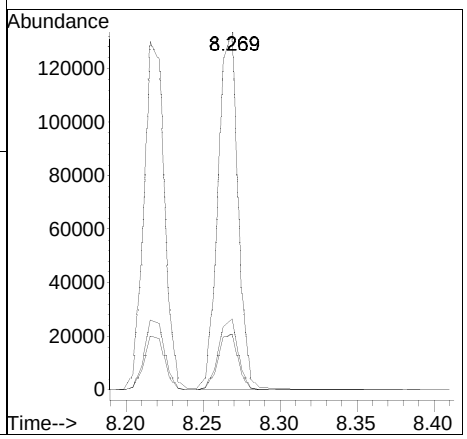


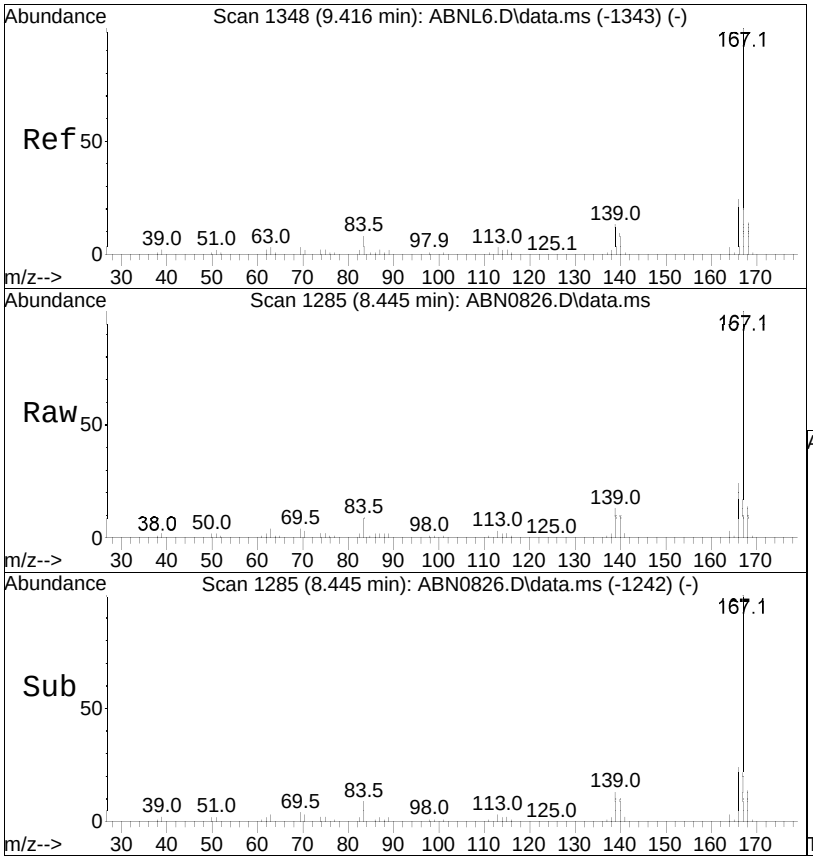


#90
Anthracene
Concen: 4.52 ug/ml
RT: 8.269 min Scan# 1255
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:178 Resp: 121407

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.2	18.2
176	19.5	15.1	22.7

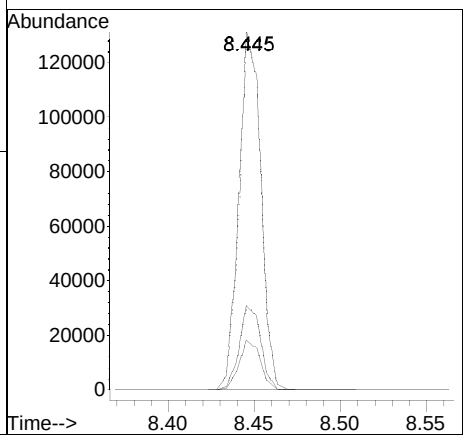


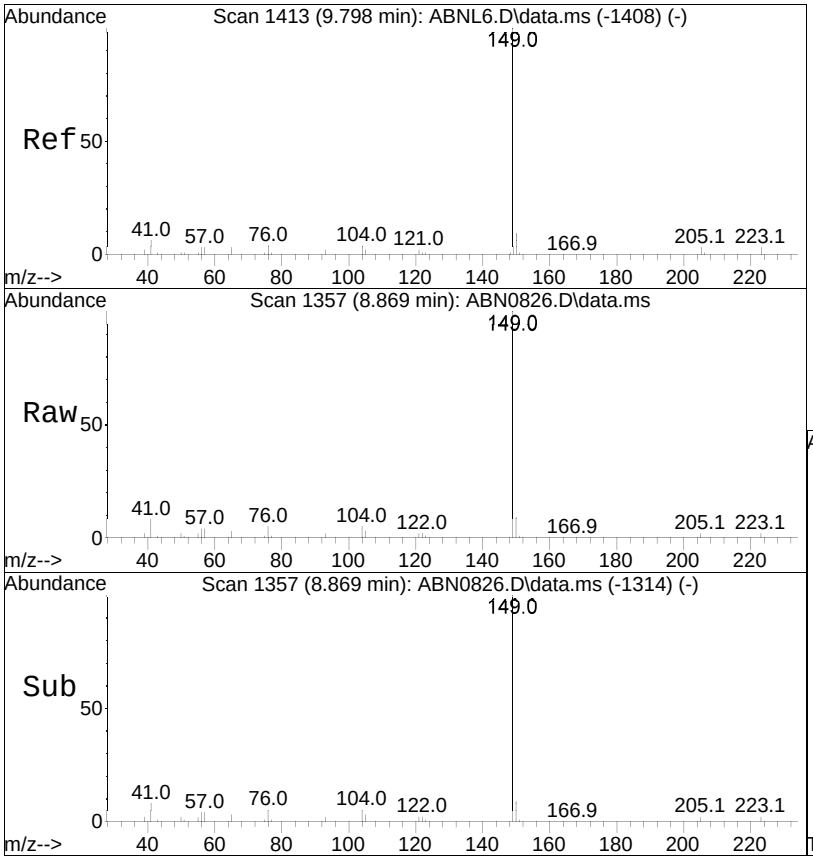


#91
Carbazole
Concen: 4.67 ug/ml
RT: 8.445 min Scan# 1285
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:167 Resp: 114906

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.8	16.2
166	23.3	17.7	26.5

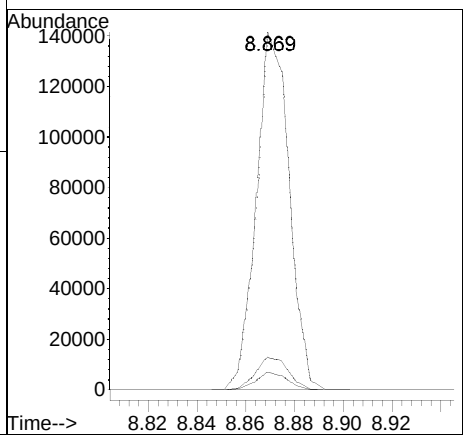


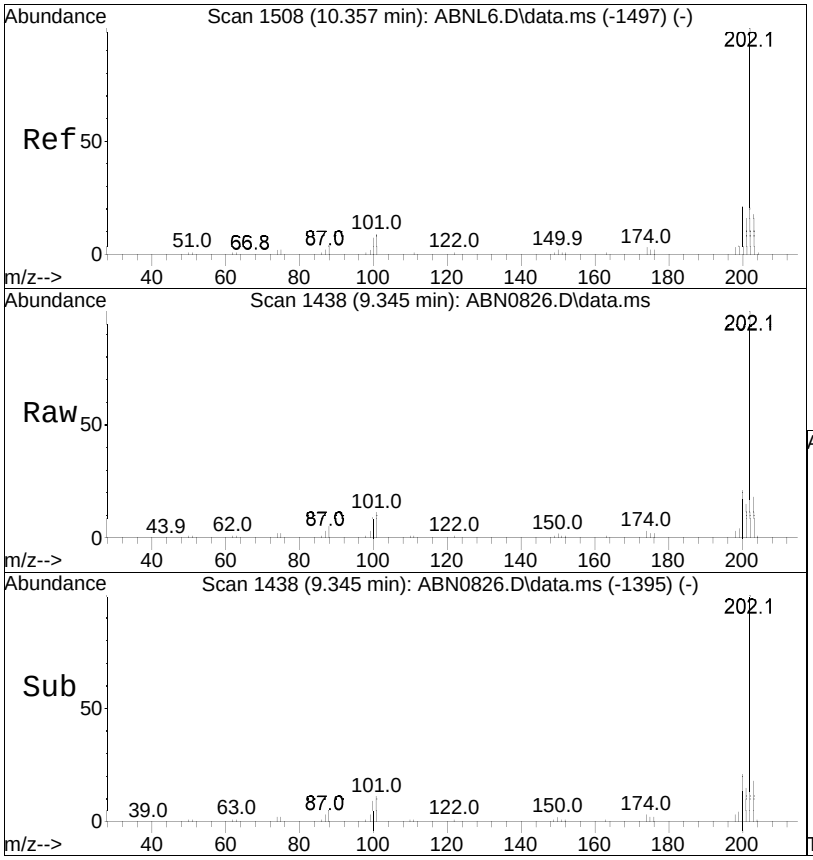


#92
Di-n-butylphthalate
Concen: 4.87 ug/ml
RT: 8.869 min Scan# 1357
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:149 Resp: 130620

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.8	4.0	6.0

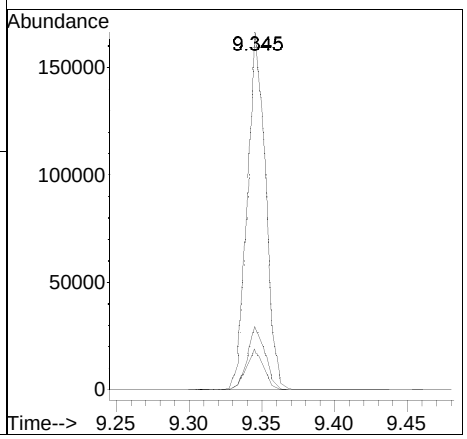


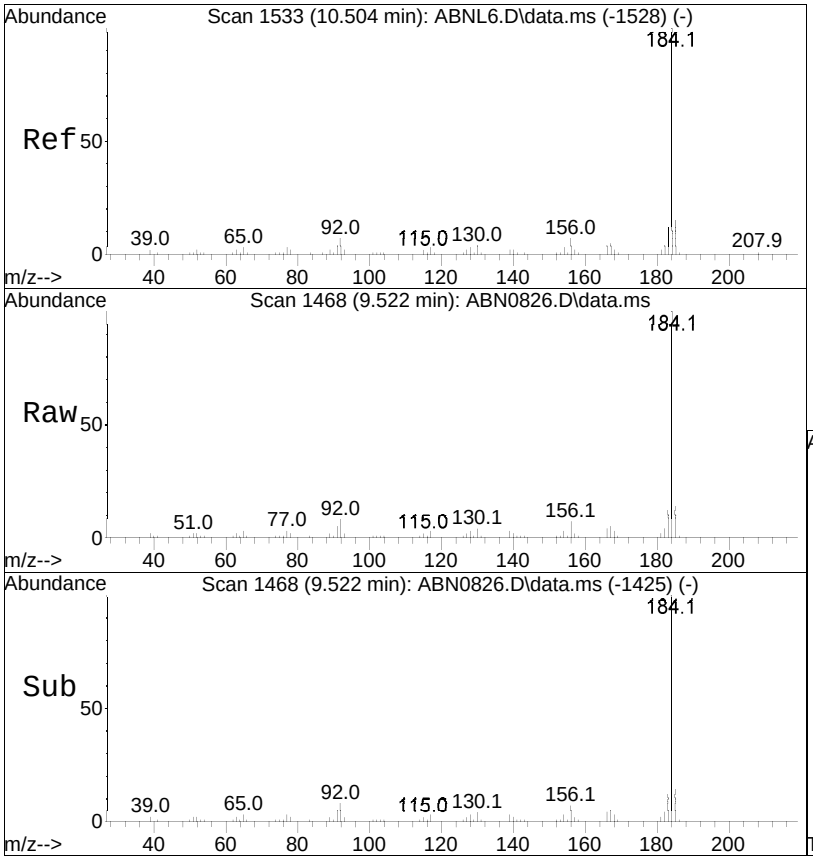


#93
Fluoranthene
Concen: 4.53 ug/ml M3
RT: 9.345 min Scan# 1438
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:202 Resp: 144169

Ion	Ratio	Lower	Upper
202	100		
101	14.7	11.2	16.8
203	18.9	13.7	20.5

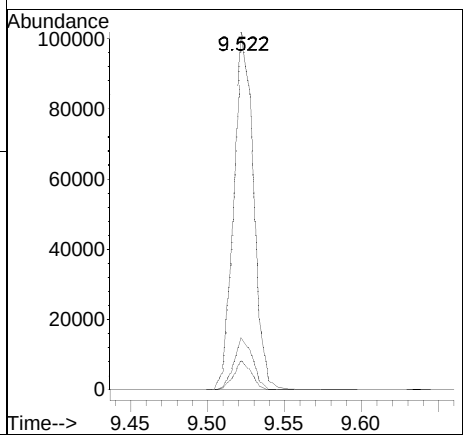


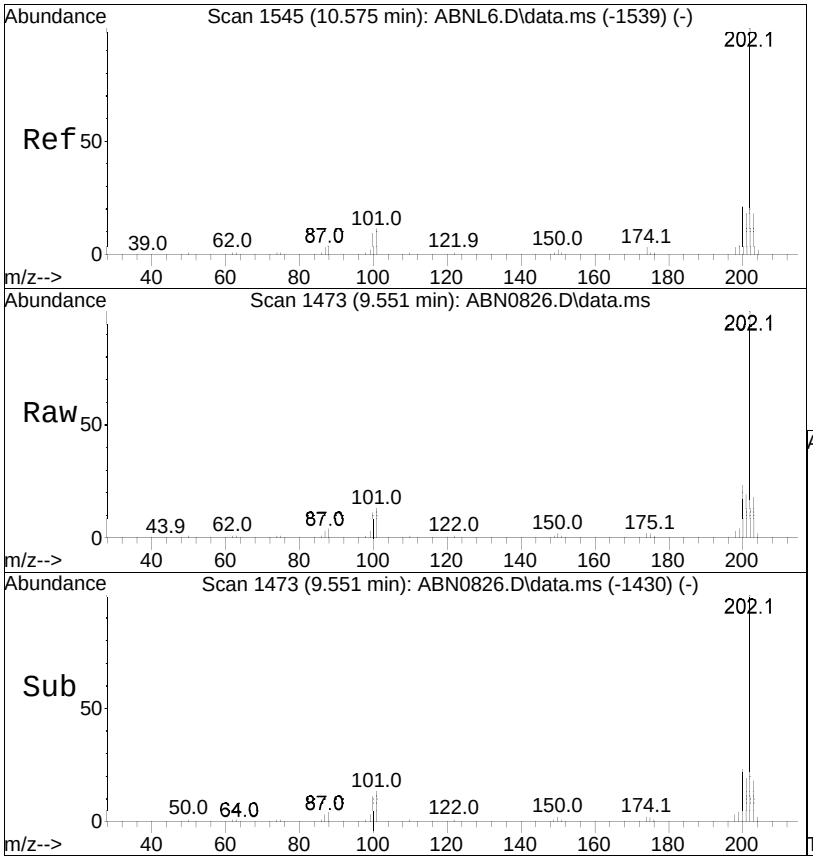


#94
Benzidine
Concen: 5.14 ug/ml
RT: 9.522 min Scan# 1468
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:184 Resp: 90015

Ion	Ratio	Lower	Upper
184	100		
92	7.5	7.3	10.9
185	14.1	11.8	17.8

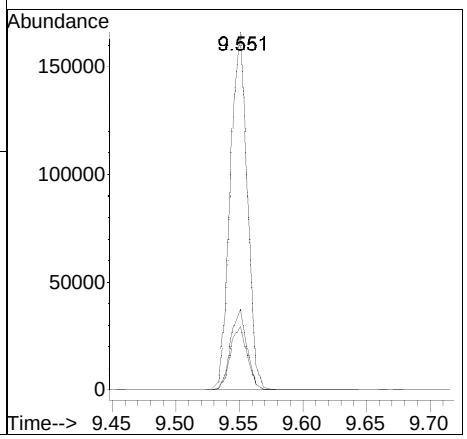


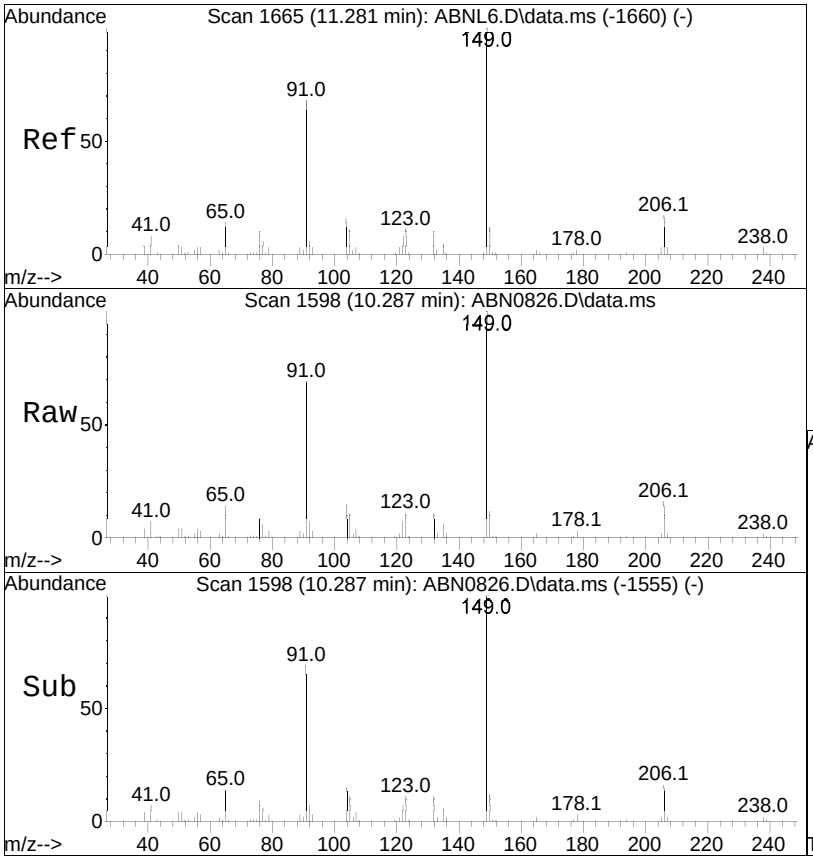


#95
Pyrene
Concen: 4.52 ug/ml
RT: 9.551 min Scan# 1473
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:202 Resp: 152526

Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.9	25.3
203	17.8	14.3	21.5

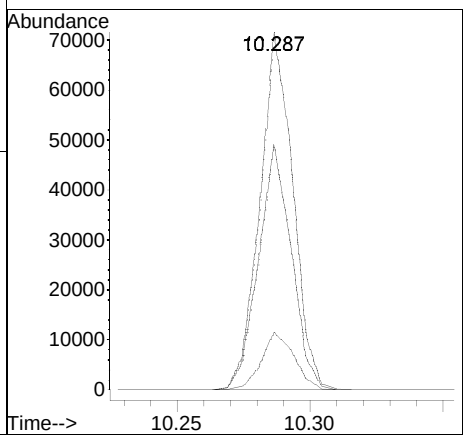


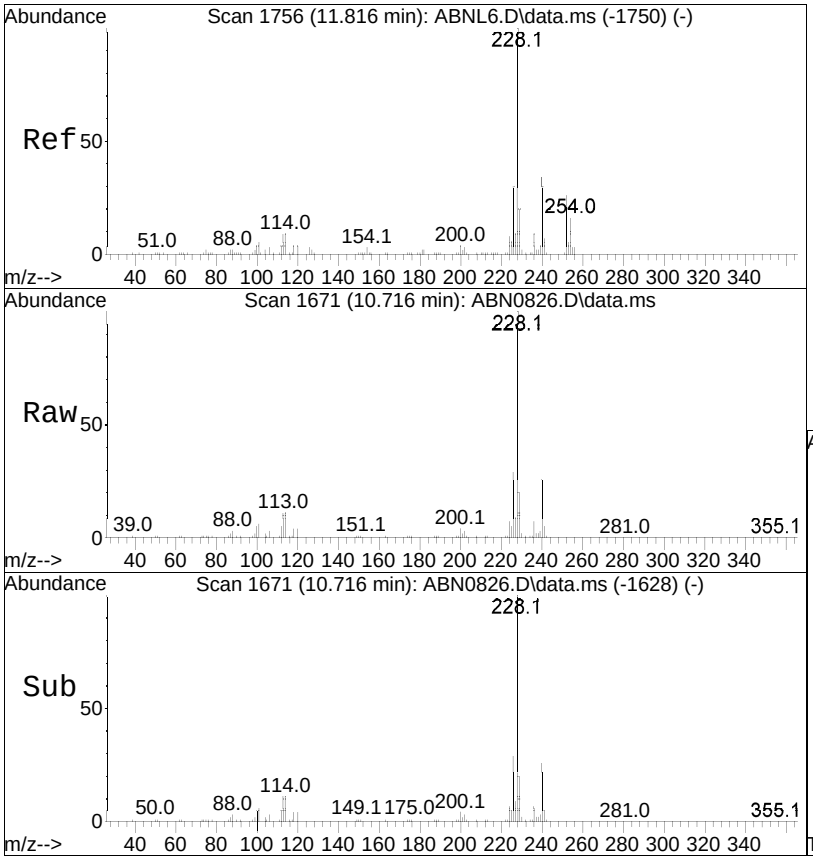


#97
Butyl benzyl phthalate
Concen: 5.13 ug/ml
RT: 10.287 min Scan# 1598
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:149 Resp: 60903

Ion	Ratio	Lower	Upper
149	100		
91	68.5	57.9	86.9
206	16.0	11.9	17.9

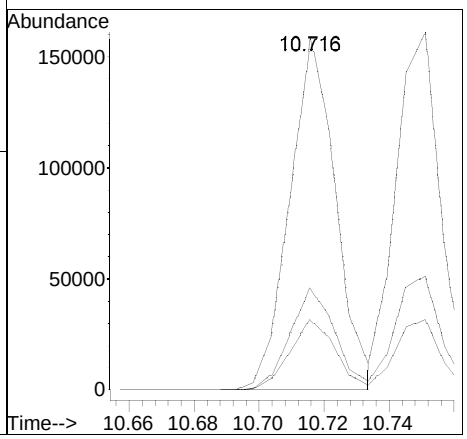


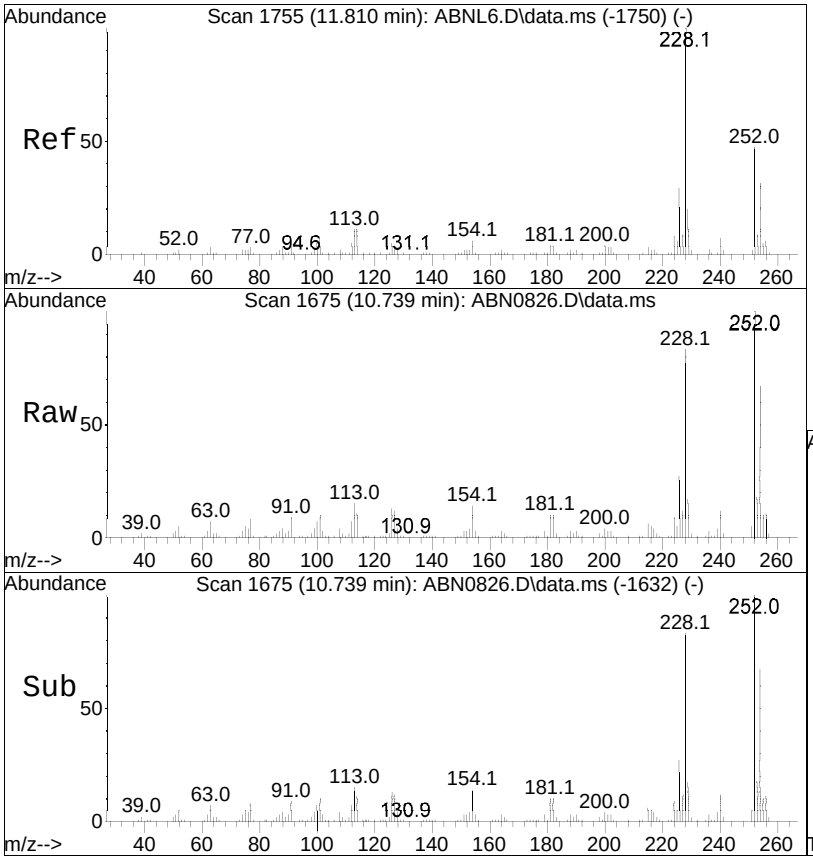


#105
Benzo(a)anthracene
Concen: 4.49 ug/ml
RT: 10.716 min Scan# 1671
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:228 Resp: 155705

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	20.1	15.8	23.6

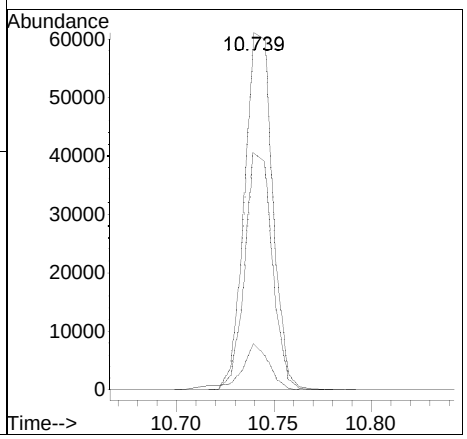


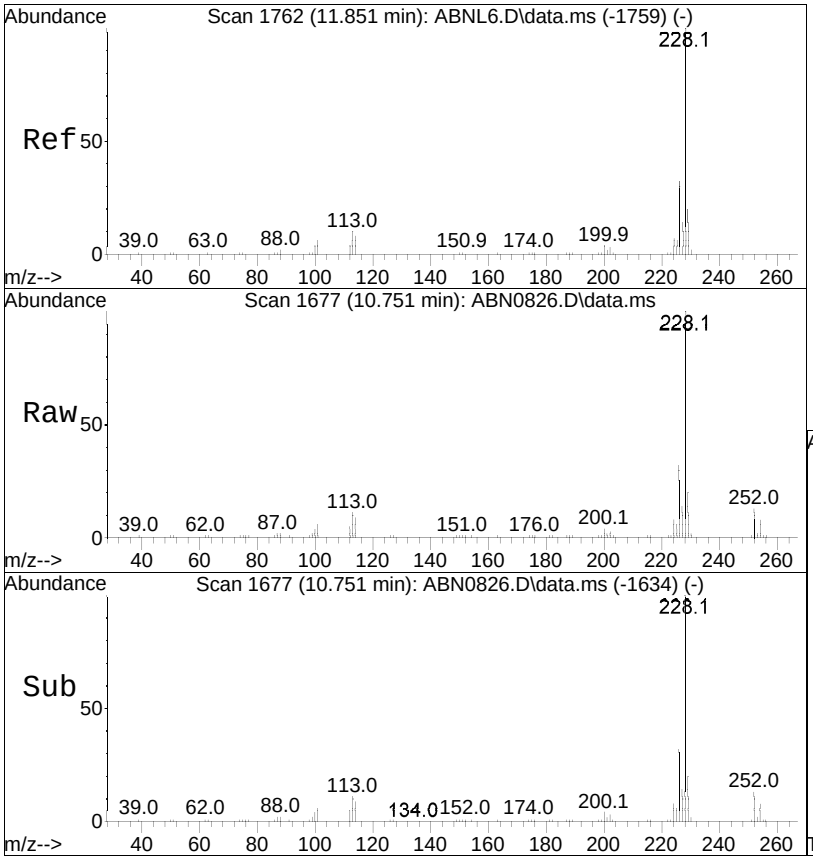


#106
3,3'-Dichlorobenzidine
Concen: 4.84 ug/ml
RT: 10.739 min Scan# 1675
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:252 Resp: 61145

Ion	Ratio	Lower	Upper
252	100		
126	13.0	12.6	19.0
254	65.0	51.1	76.7

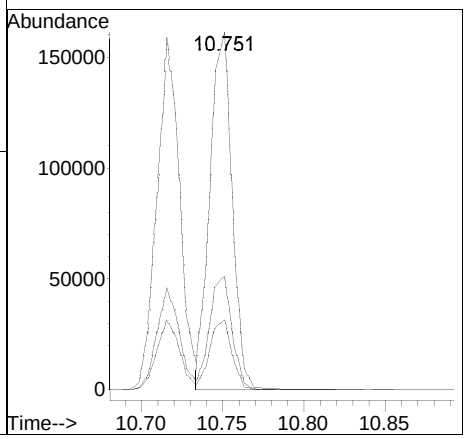


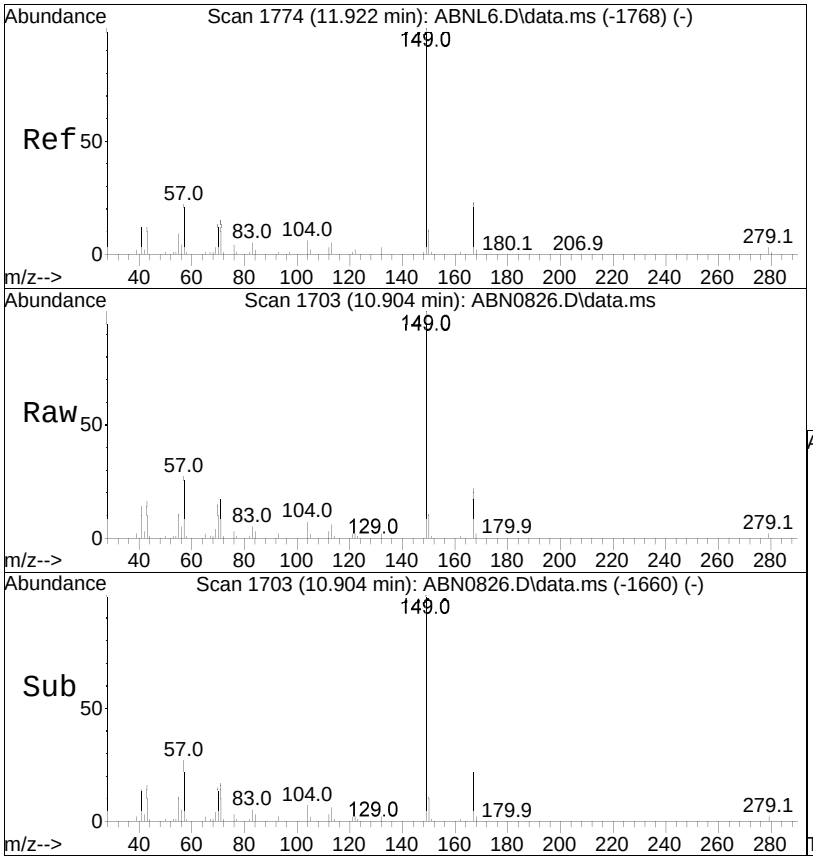


#107
Chrysene
Concen: 4.50 ug/ml
RT: 10.751 min Scan# 1677
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:228 Resp: 152946

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.7	37.1
229	19.5	15.5	23.3

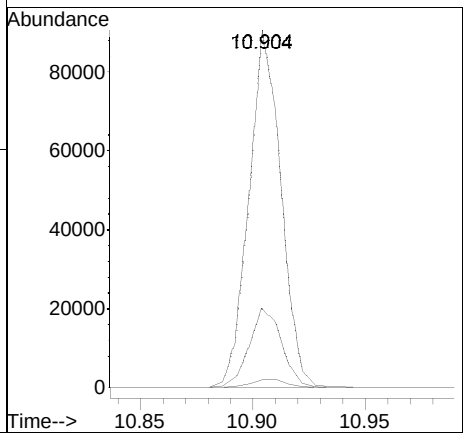


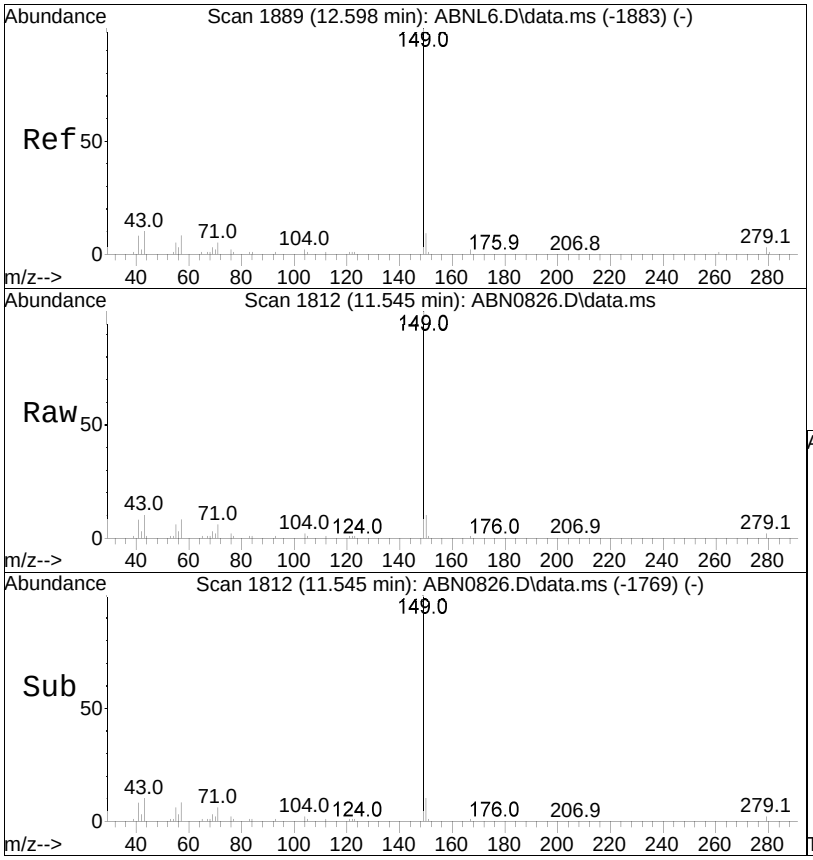


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.13 ug/ml
RT: 10.904 min Scan# 1703
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:149 Resp: 88579

Ion	Ratio	Lower	Upper
149	100		
167	22.7	18.4	27.6
279	2.3	1.7	2.5

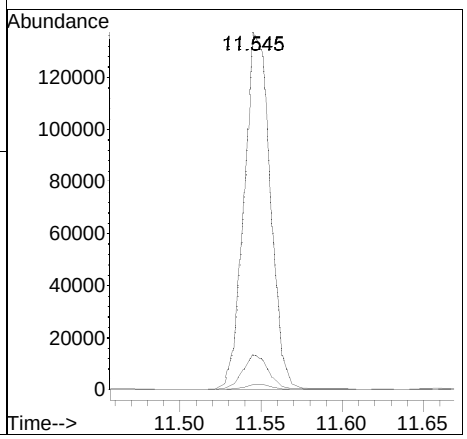


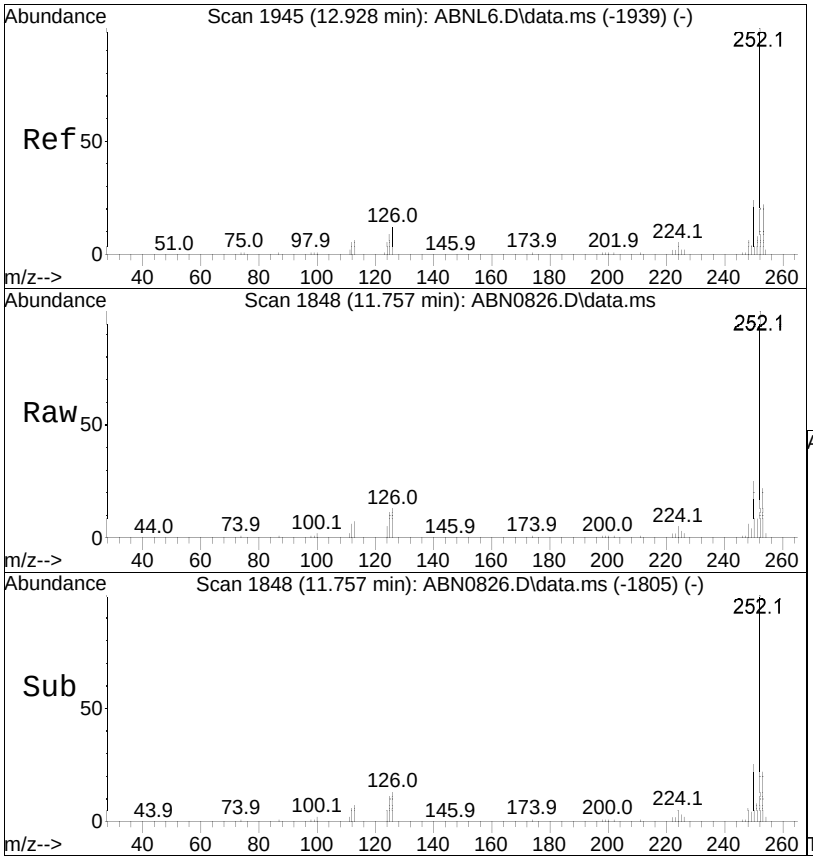


#109
Di-n-octylphthalate
Concen: 5.75 ug/ml
RT: 11.545 min Scan# 1812
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:149 Resp: 151947

Ion	Ratio	Lower	Upper
149	100		
43	9.7	8.2	12.2
167	1.3	1.1	1.7

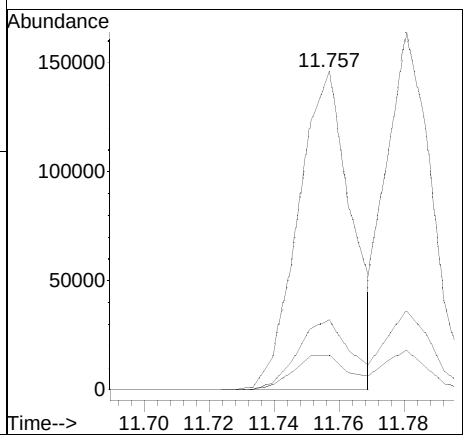


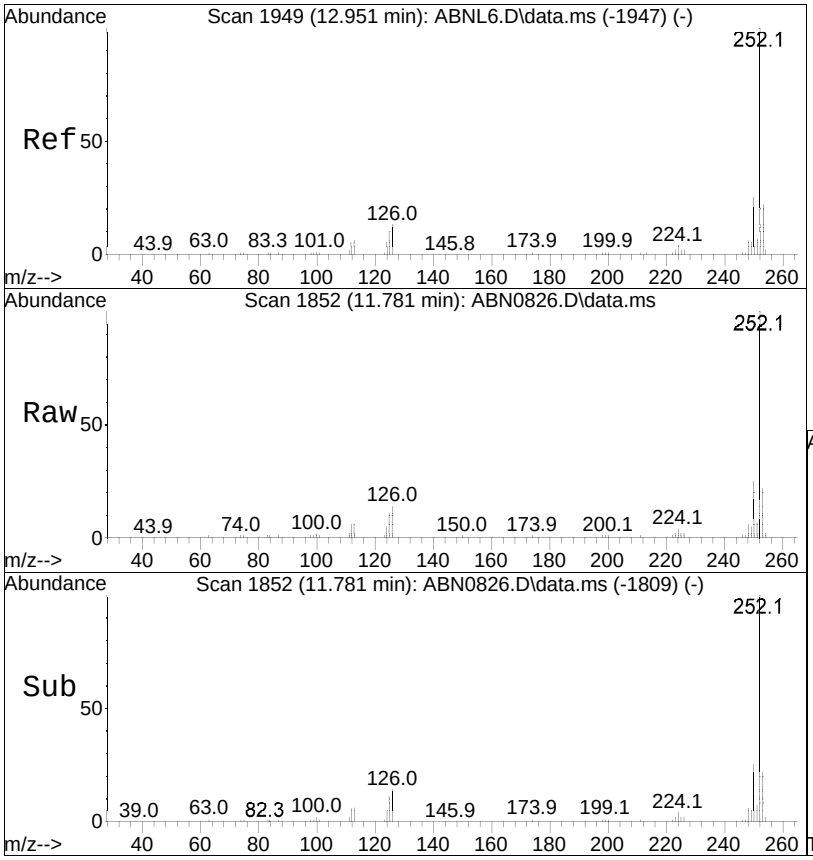


#110
Benzo(b)fluoranthene
Concen: 4.76 ug/ml
RT: 11.757 min Scan# 1848
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:252 Resp: 169264

Ion	Ratio	Lower	Upper
252	100		
125	11.7	11.3	16.9
253	22.1	17.8	26.8

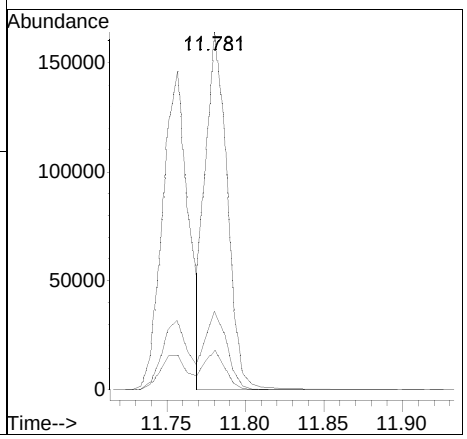


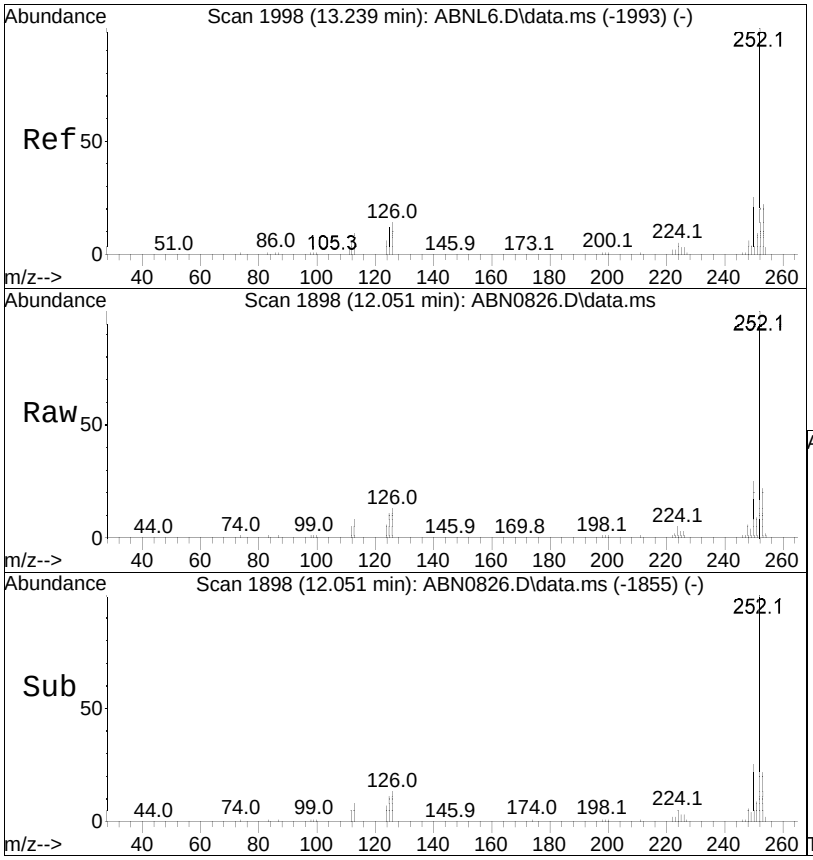


#111
Benzo(k)fluoranthene
Concen: 4.84 ug/ml M3
RT: 11.781 min Scan# 1852
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:252 Resp: 157148

Ion	Ratio	Lower	Upper
252	100		
125	12.6	11.5	17.3
253	23.8	17.6	26.4

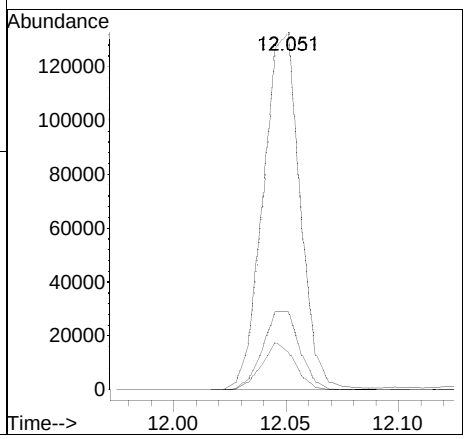


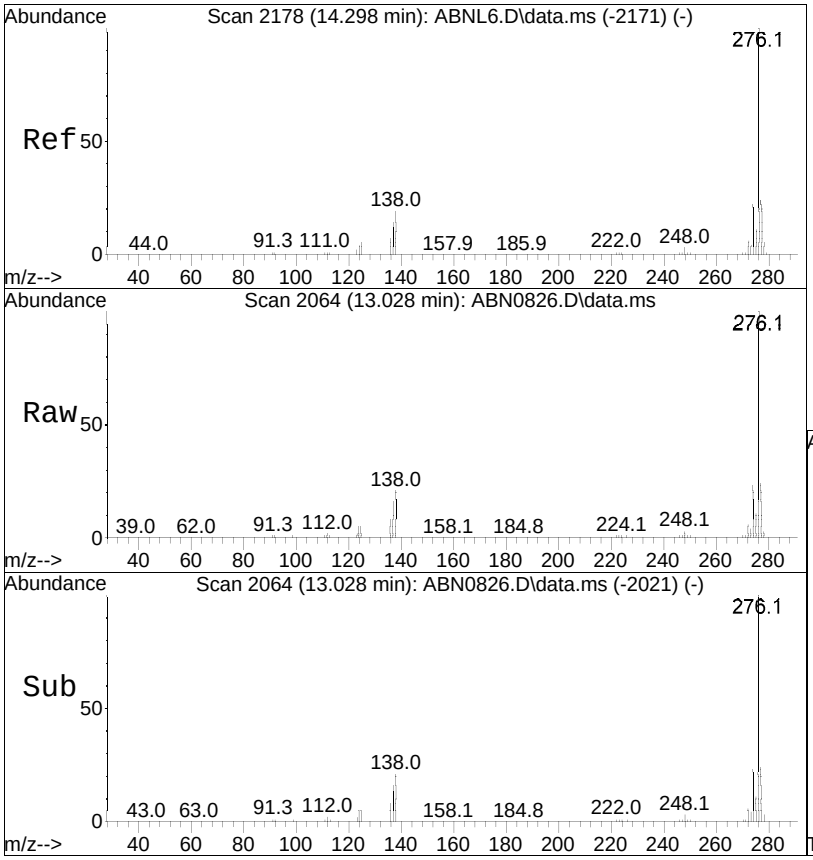


#112
Benzo(a)pyrene
Concen: 4.82 ug/ml
RT: 12.051 min Scan# 1898
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:252 Resp: 149776

Ion	Ratio	Lower	Upper
252	100		
125	12.2	12.6	18.8#
253	22.4	17.5	26.3

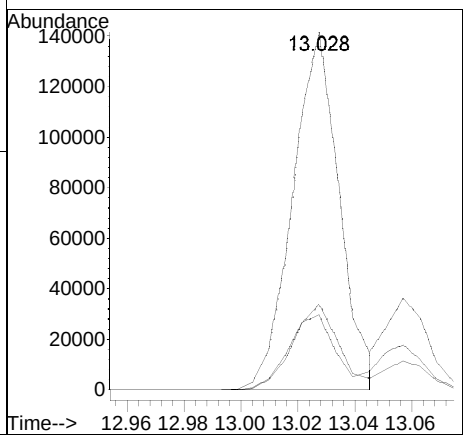


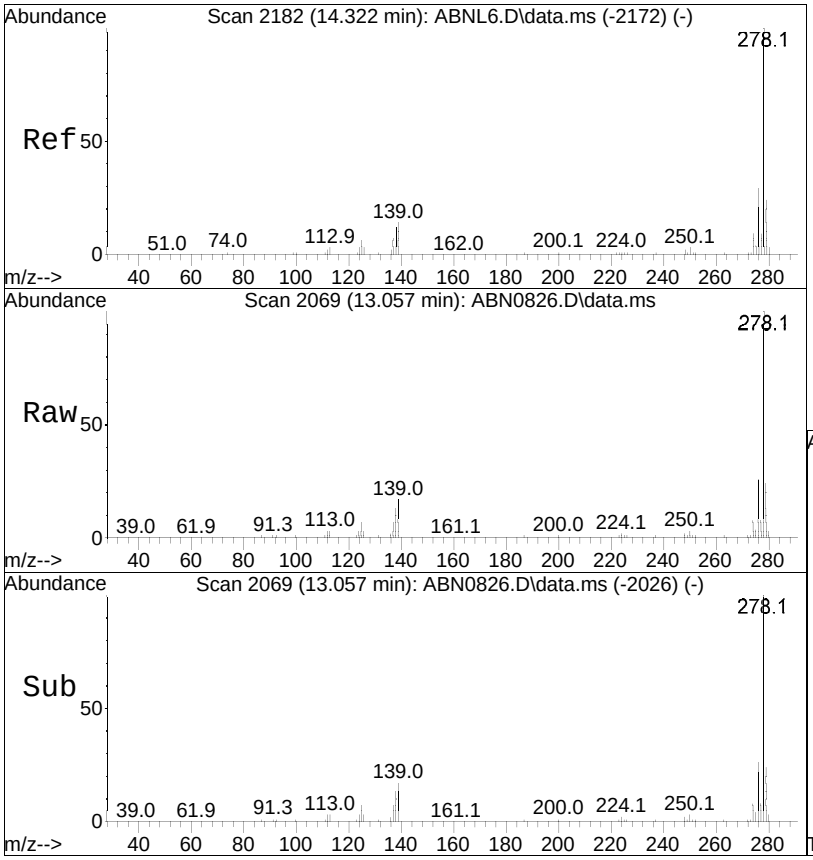


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.45 ug/mL M3
RT: 13.028 min Scan# 2064
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:276 Resp: 161005

Ion	Ratio	Lower	Upper
276	100		
138	23.0	22.1	33.1
277	23.2	19.0	28.6

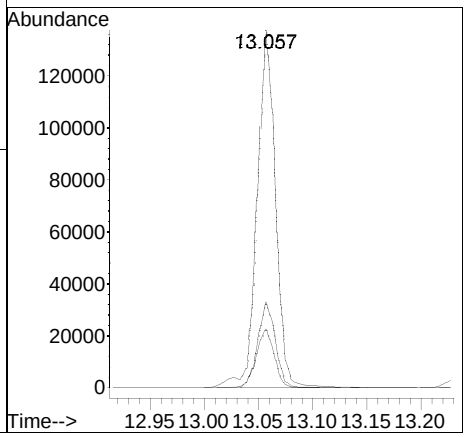


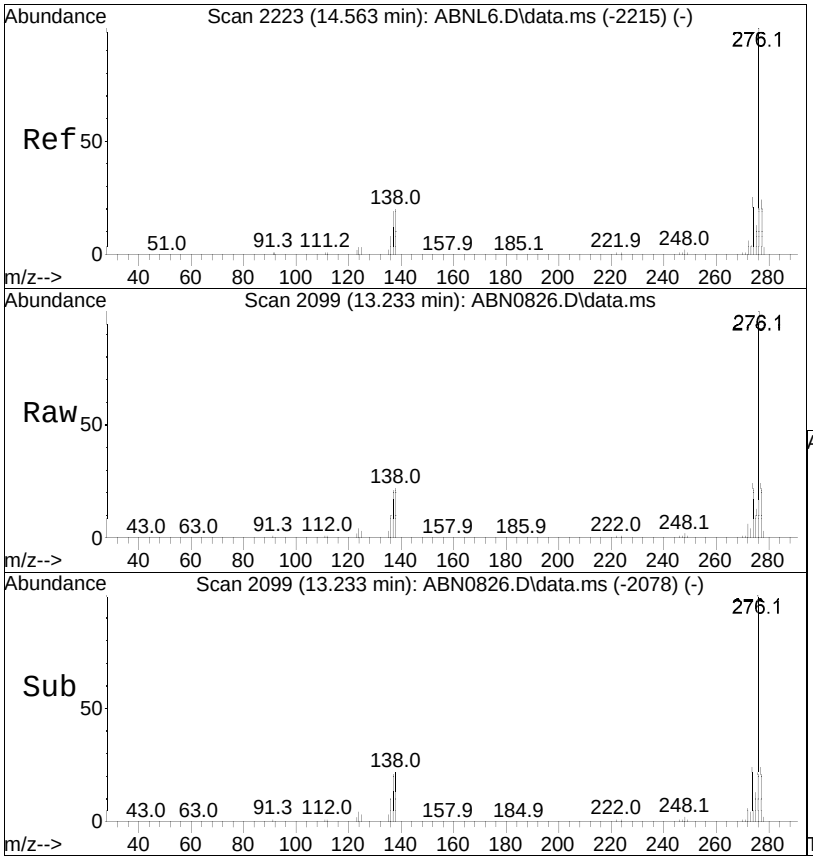


#115
Dibenzo(a,h)anthracene
Concen: 4.65 ug/ml
RT: 13.057 min Scan# 2069
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:278 Resp: 160575

Ion	Ratio	Lower	Upper
278	100		
139	16.2	17.8	26.8#
279	23.5	19.2	28.8

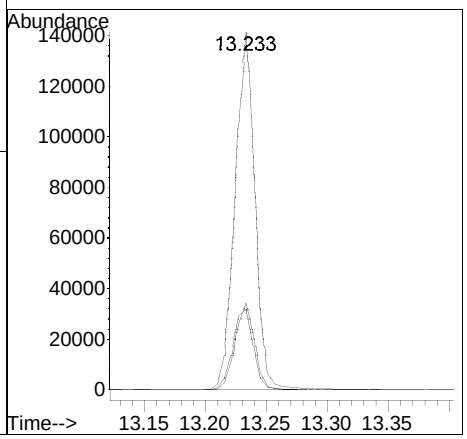




#116
Benzo(ghi)perylene
Concen: 4.54 ug/ml
RT: 13.233 min Scan# 2099
Delta R.T. 0.000 min
Lab File: ABN0826.D
Acq: 26 Aug 2024 09:05 am

Tgt Ion:276 Resp: 158338

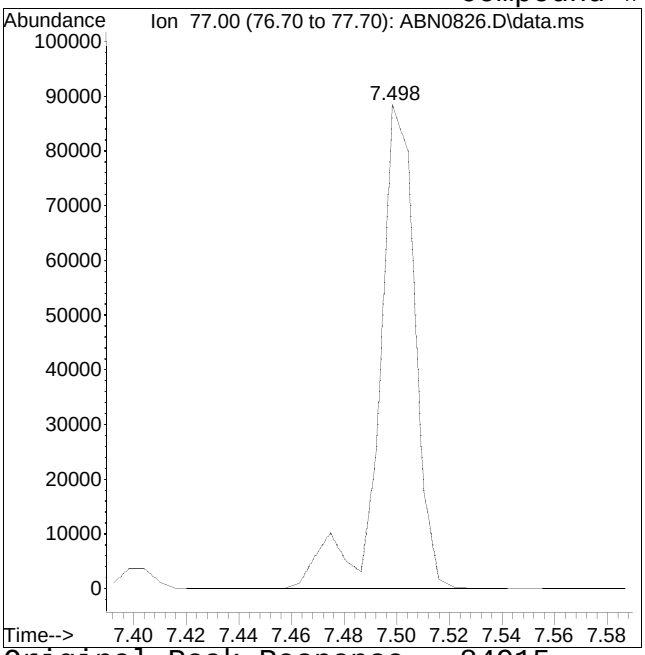
Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.9	32.9
277	23.8	18.4	27.6



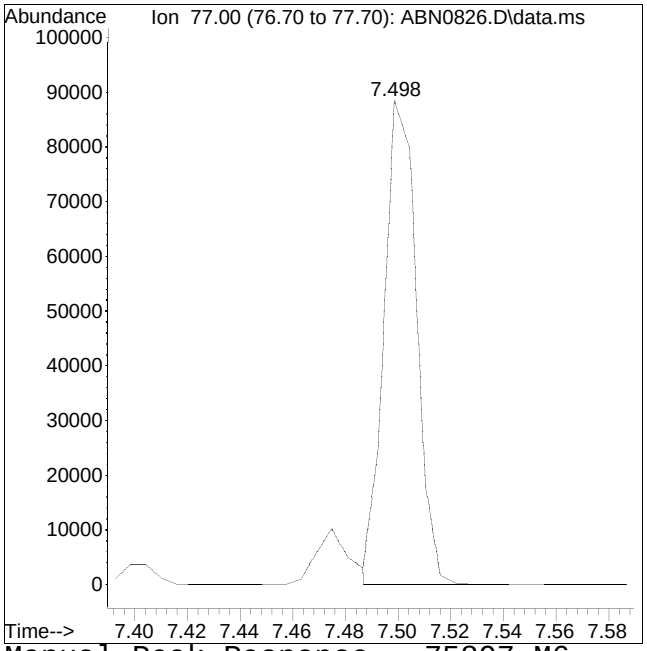
Manual Integration Report

Data Path : I:\8270\SV112\240826RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0826.D Operator : SV112:sz
Date Inj'd : 8/26/2024 9:05 am Instrument : SV112
Sample : wg1963848-3,32,,ABN 10908 Quant Date : 8/26/2024 9:26 am

Compound #78: Azobenzene



Original Peak Response = 84915



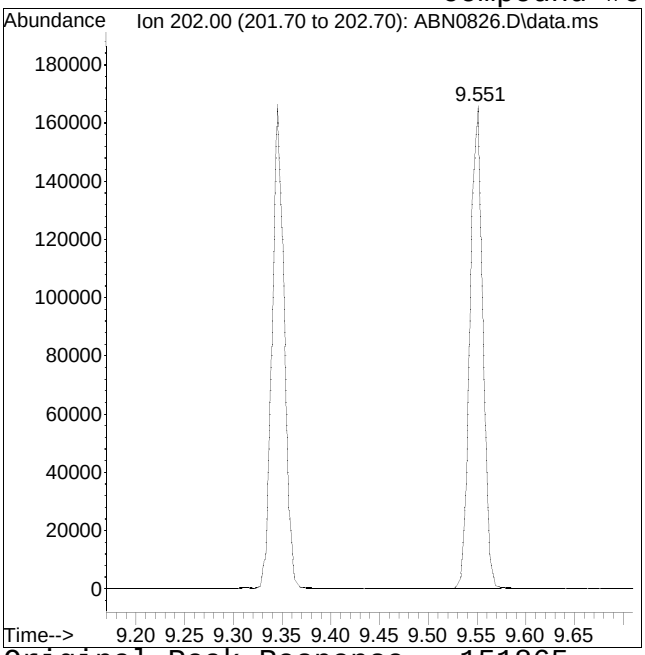
Manual Peak Response = 75897 M6

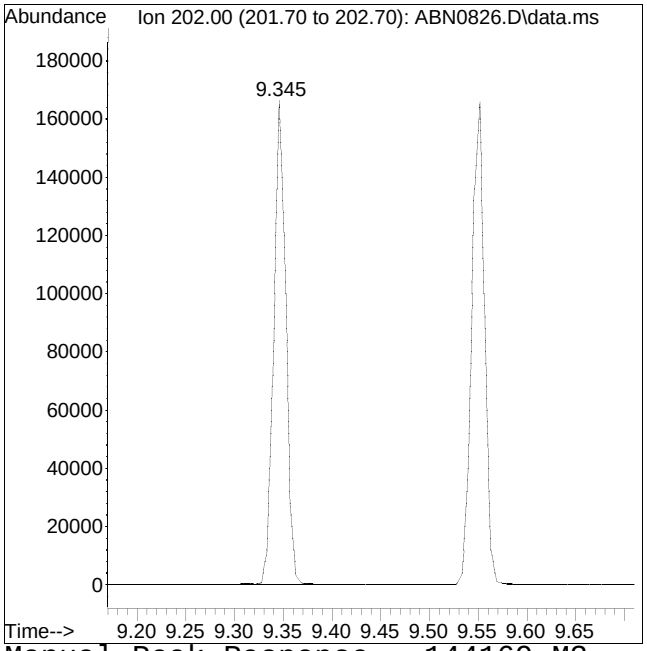
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV112\240826RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0826.D Operator : SV112:sz
Date Inj'd : 8/26/2024 9:05 am Instrument : SV112
Sample : wg1963848-3,32,,ABN 10908 Quant Date : 8/26/2024 9:26 am

Compound #93: Fluoranthene





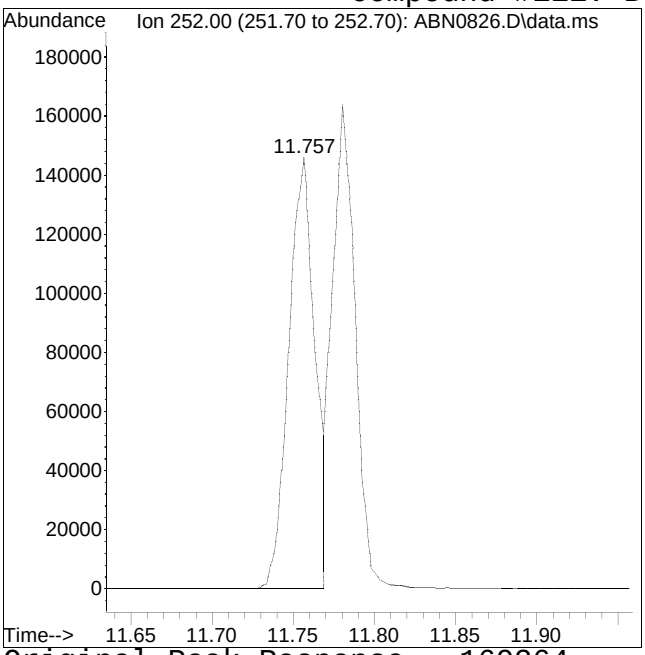
Original Peak Response = 151865 Manual Peak Response = 144169 M3

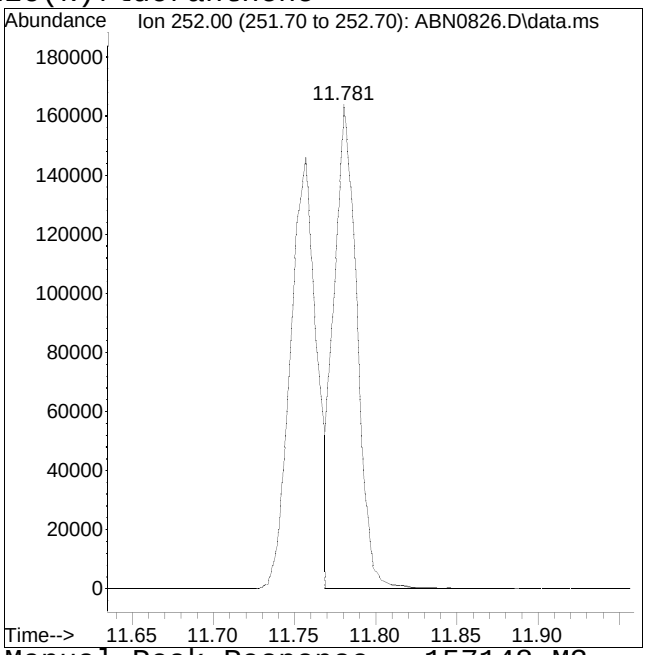
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240826RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0826.D Operator : SV112:sz
Date Inj'd : 8/26/2024 9:05 am Instrument : SV112
Sample : wg1963848-3,32,,ABN 10908 Quant Date : 8/26/2024 9:26 am

Compound #111: Benzo(k)fluoranthene





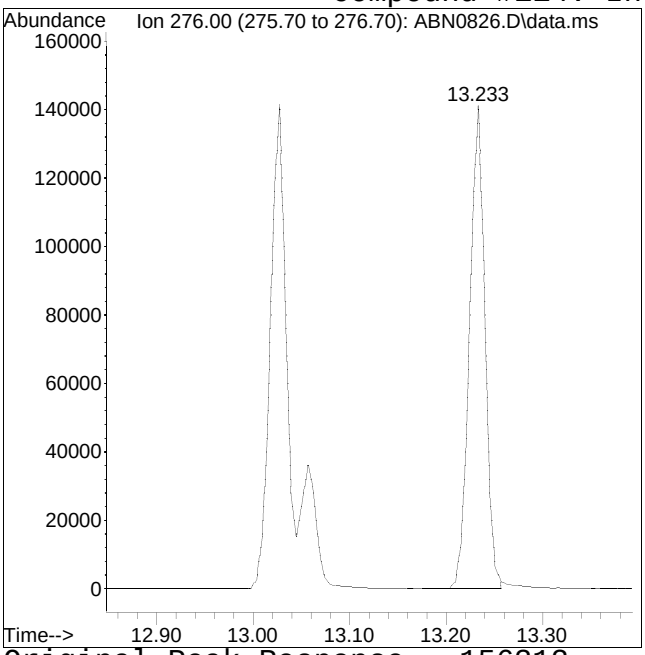
Original Peak Response = 169264 Manual Peak Response = 157148 M3

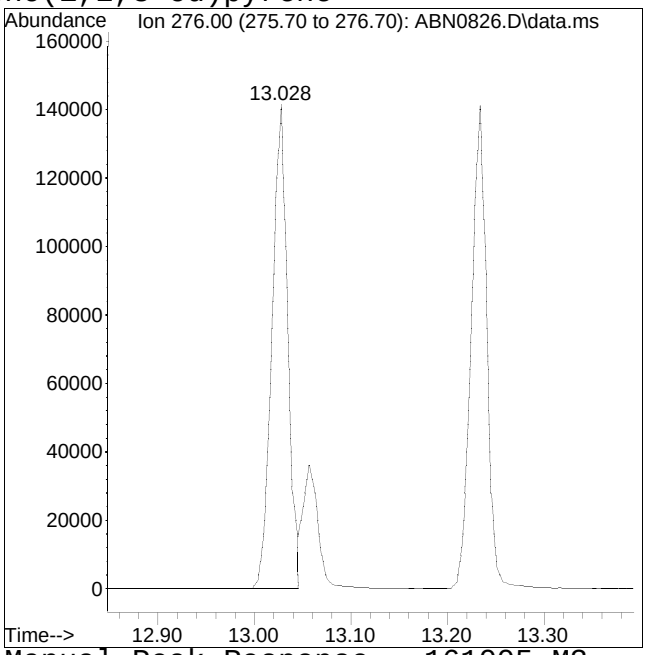
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\240826RVT\ QMethod : FS240625SV112RVT.m
Data File : ABN0826.D Operator : SV112:sz
Date Inj'd : 8/26/2024 9:05 am Instrument : SV112
Sample : wg1963848-3,32,,ABN 10908 Quant Date : 8/26/2024 9:26 am

Compound #114: Indeno(1,2,3-cd)pyrene





Original Peak Response = 156312 Manual Peak Response = 161005 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240826RVT\
Data File : AP90826.D
Acq On : 26 Aug 2024 09:27 am
Operator : SV112:sz
Sample : wg1963848-4,32,,AP9 10909 kmh0802C
Misc : wg1963848,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 26 14:01:14 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	91	0.00
28	T	Benzaldehyde		1.094	0.941	14.0	79	0.00
29	T	Acetophenone		1.903	1.584	16.8	72	0.00
30	T	m-Toluidine		1.828	1.522	16.7	72	0.00
31	T	2-Chloroaniline		1.742	1.404	19.4	72	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	88	0.00
56	T	a-Terpineol		0.277	0.260	6.1	82	0.00
57	T	3-Chloroaniline		0.150	0.133	11.3	79	0.00
58	T	2,6-Dichlorophenol		0.326	0.273	16.3	72	0.00
59	T	1-chloro-2-nitrobenzene		0.143	0.128	10.5	77	0.00
60	T	Caprolactam	*	5.000	4.527	9.5	85	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.479	0.353	26.3#	66	0.00
62	T	Biphenyl		1.026	0.774	24.6#	67	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	84	0.00
84	T	Dichloran	*	5.000	3.809	23.8#	71	0.00
85	T	Pentachloronitrobenzene		0.235	0.184	21.7#	68	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	81	0.00
99	T	Diphenamid		0.515	0.401	22.1#	61	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : AP90826.D
Acq On : 26 Aug 2024 09:27 am
Operator : SV112:sz
Sample : wg1963848-4,32,,AP9 10909 kmh0802C
Misc : wg1963848,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 26 14:01:14 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.869	152	19368	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	5.110	136	72145	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	6.799	164	43409	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.198	188	95696	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	3.416	105	22780	4.302	ug/ml	98
29) Acetophenone	4.293	105	38353	4.162	ug/ml	97
30) m-Toluidine	4.381	106	36839	4.161	ug/ml	97
31) 2-Chloroaniline	4.734	127	33996	4.031	ug/ml	99
56) a-Terpineol	5.193	59	23433	4.686	ug/ml	100
57) 3-Chloroaniline	5.205	65	11996	4.428	ug/ml	96
58) 2,6-Dichlorophenol	5.228	162	24615	4.184	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.475	111	11525	4.461	ug/ml	96
60) Caprolactam	5.522	55	13383	4.527	ug/ml	98
61) 1,2,4,5-Tetrachloroben...	5.981	216	31828	3.683	ug/ml	97
62) Biphenyl	6.275	154	69816	3.771	ug/ml	99
84) Dichloran	7.922	206	9121	3.809	ug/ml#	69
85) Pentachloronitrobenzene	8.057	237	9979	3.917	ug/ml#	80
99) Diphenamid	9.122	167	47990	3.895	ug/ml	93

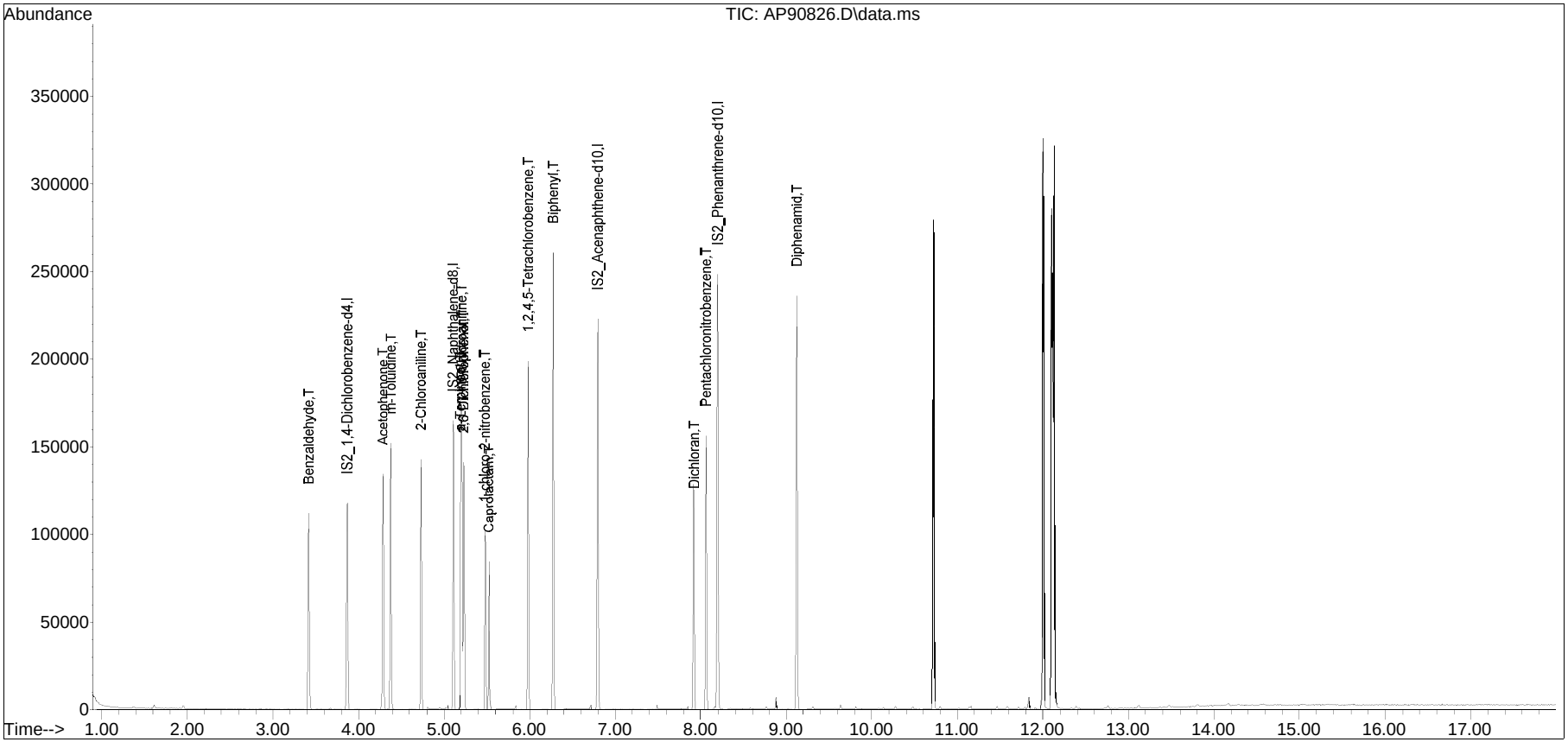
(#) = qualifier out of range (m) = manual integration (+) = signals summed

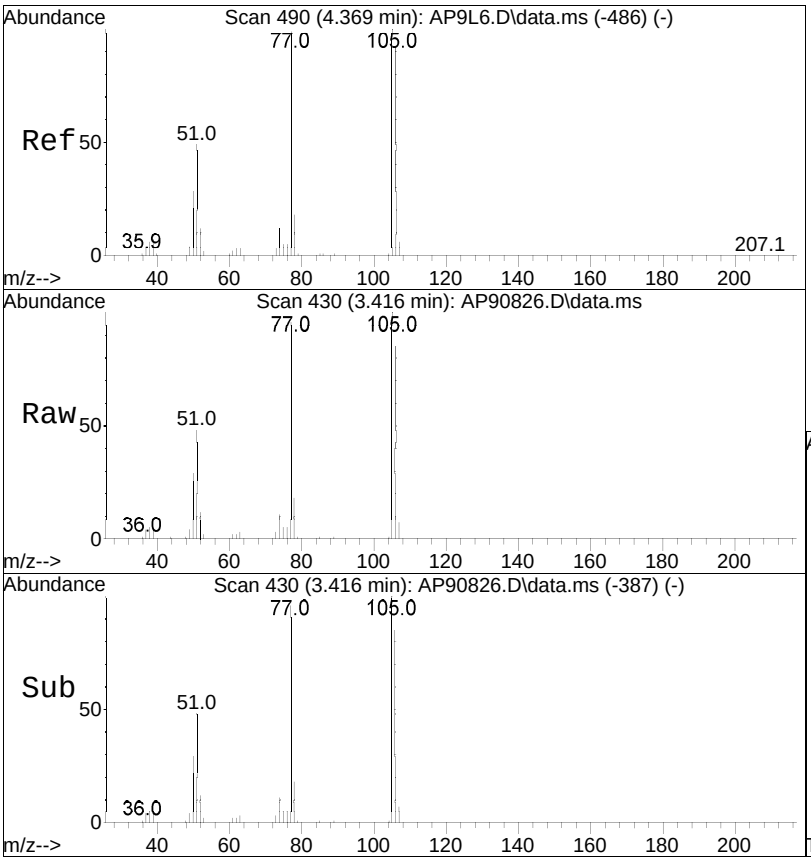
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : AP90826.D
Acq On : 26 Aug 2024 09:27 am
Operator : SV112:sz
Sample : wg1963848-4,32,,AP9 10909 kmh0802C
Misc : wg1963848,,ical21241
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 26 14:01:14 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

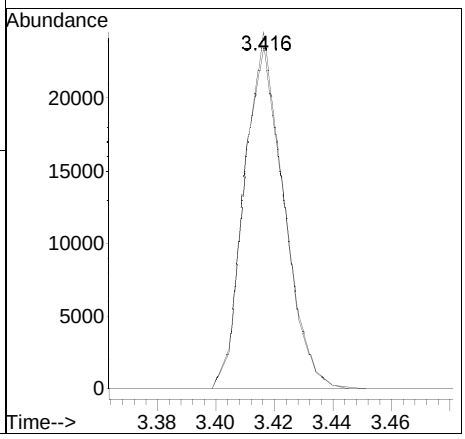


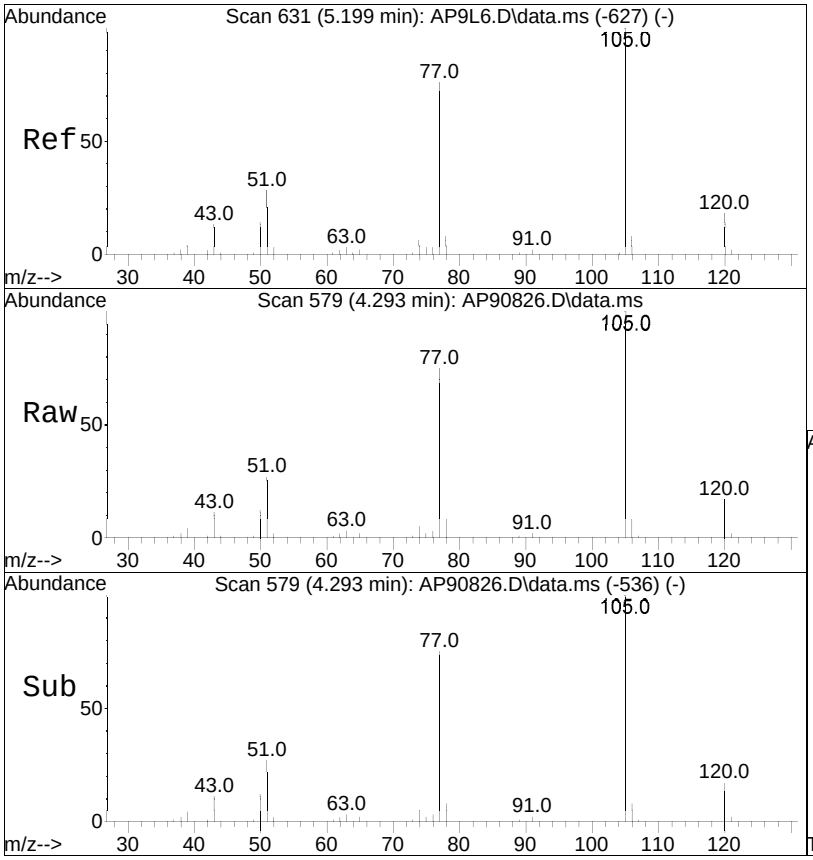


#28
Benzaldehyde
Concen: 4.30 ug/ml
RT: 3.416 min Scan# 430
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:105 Resp: 22780

Ion	Ratio	Lower	Upper
105	100		
77	98.4	77.0	115.6

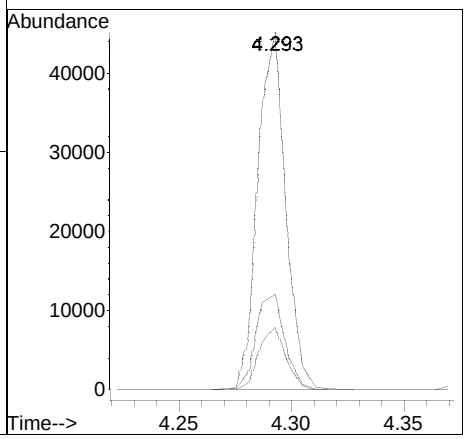


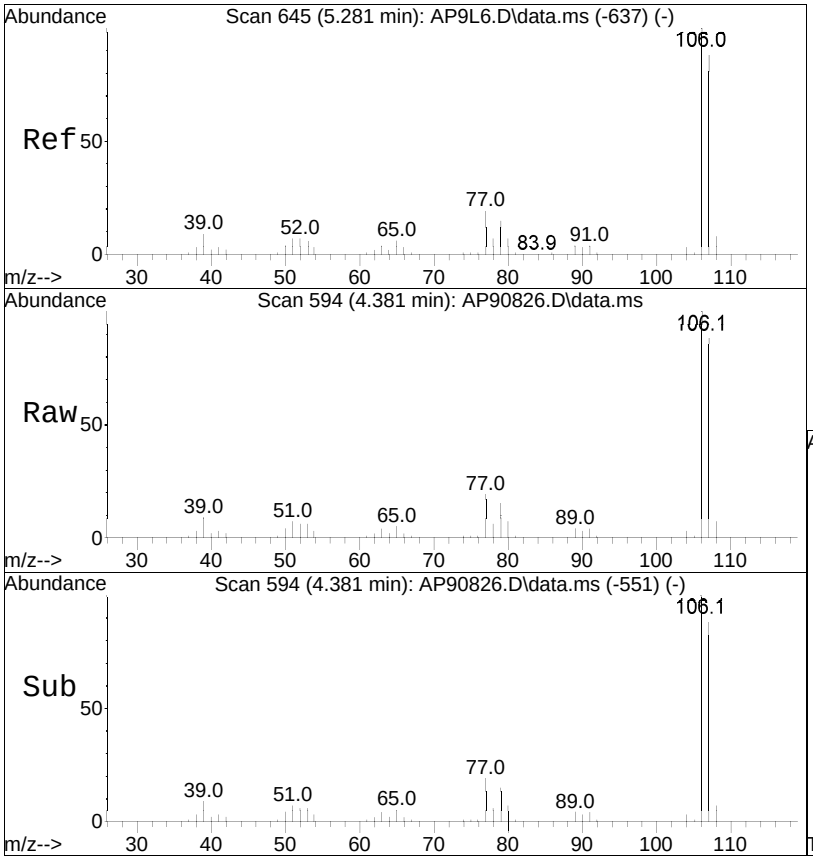


#29
Acetophenone
Concen: 4.16 ug/ml
RT: 4.293 min Scan# 579
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:105 Resp: 38353

Ion	Ratio	Lower	Upper
105	100		
120	17.0	15.2	22.8
51	28.0	23.1	34.7

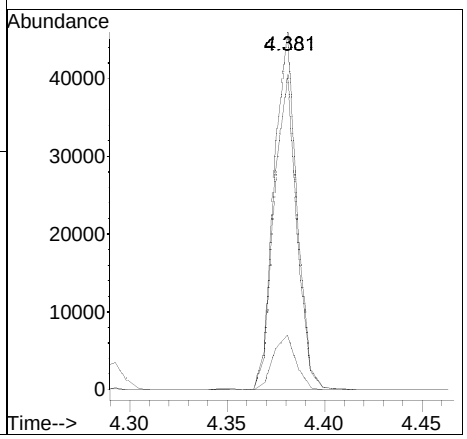


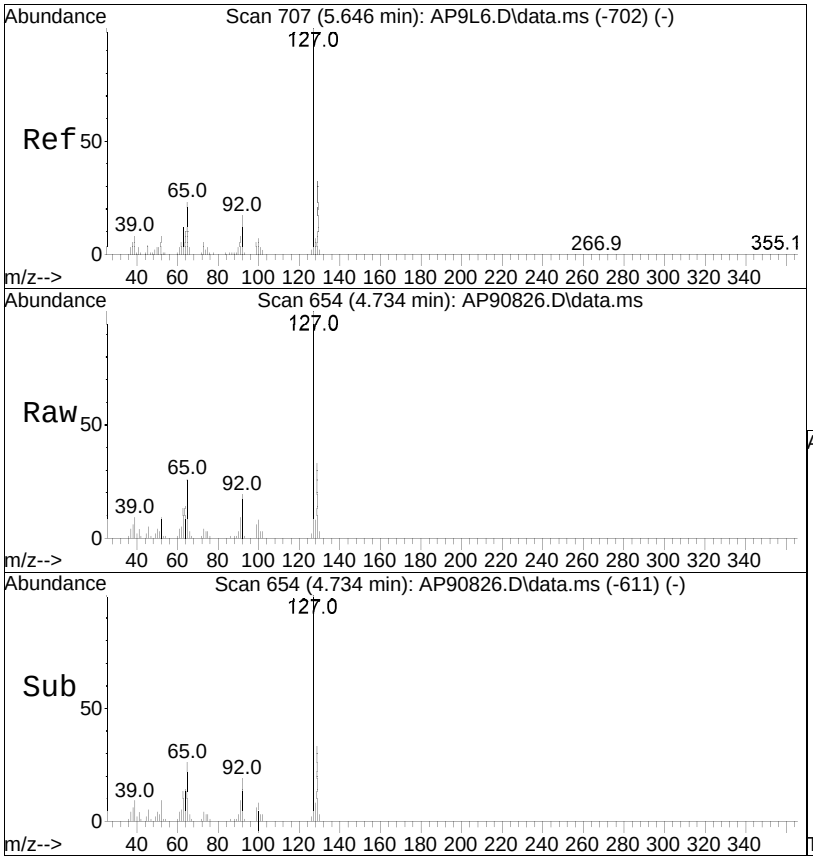


#30
m-Toluidine
Concen: 4.16 ug/ml
RT: 4.381 min Scan# 594
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:106 Resp: 36839

Ion	Ratio	Lower	Upper
106	100		
107	87.6	72.3	108.5
79	15.4	12.2	18.2

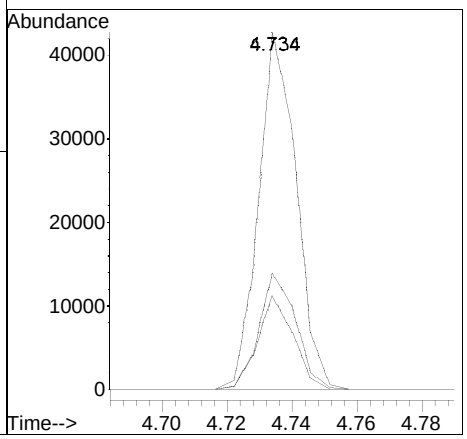


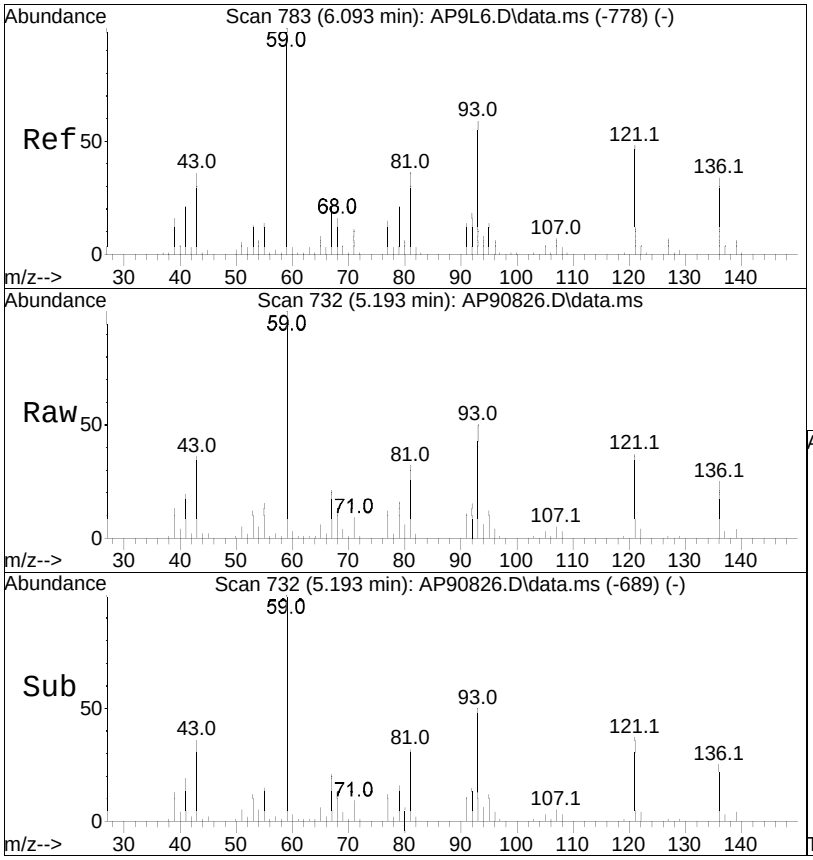


#31
2-Chloroaniline
Concen: 4.03 ug/ml
RT: 4.734 min Scan# 654
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:127 Resp: 33996

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	25.0	20.5	30.7

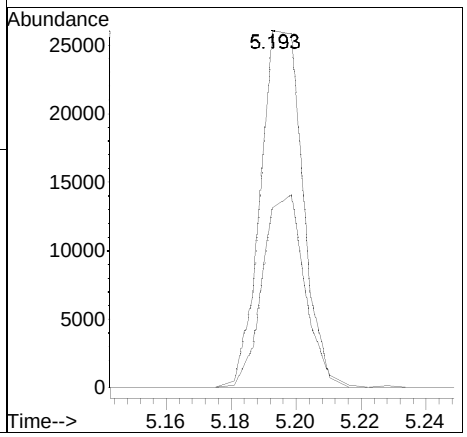


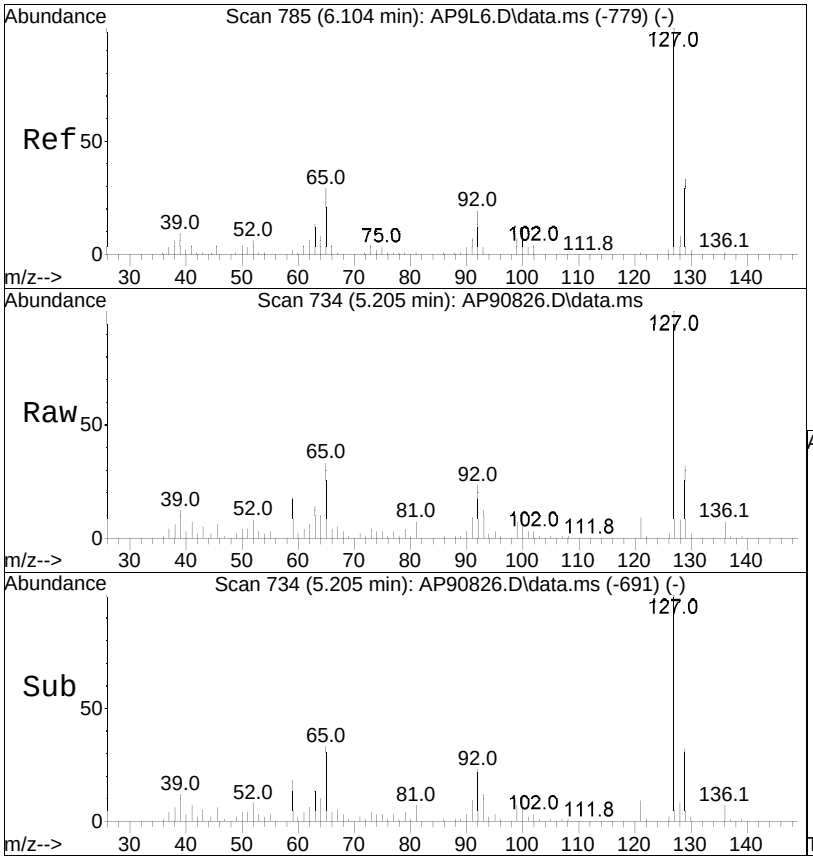


#56
a-Terpineol
Concen: 4.69 ug/ml
RT: 5.193 min Scan# 732
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion: 59 Resp: 23433

Ion	Ratio	Lower	Upper
59	100		
93	54.3	43.5	65.3

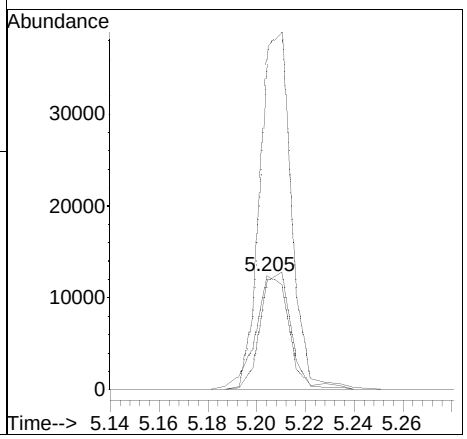


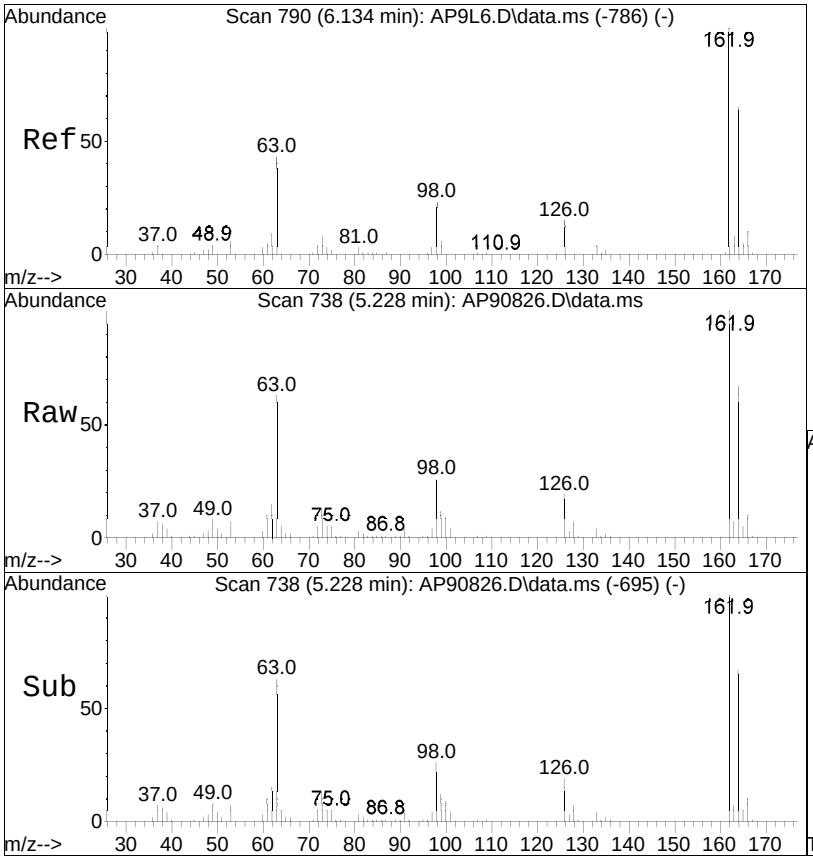


#57
3-Chloroaniline
Concen: 4.43 ug/ml
RT: 5.205 min Scan# 734
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion: 65 Resp: 11996

Ion	Ratio	Lower	Upper
65	100		
127	287.4	236.6	355.0
129	91.9	76.6	115.0

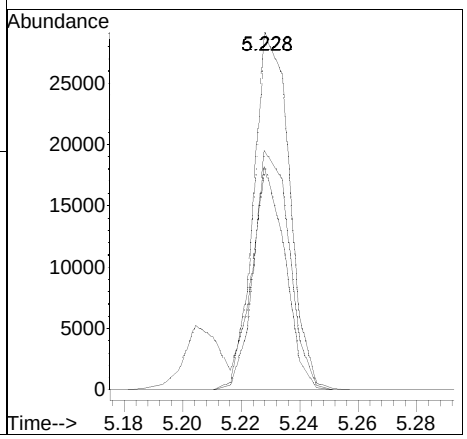


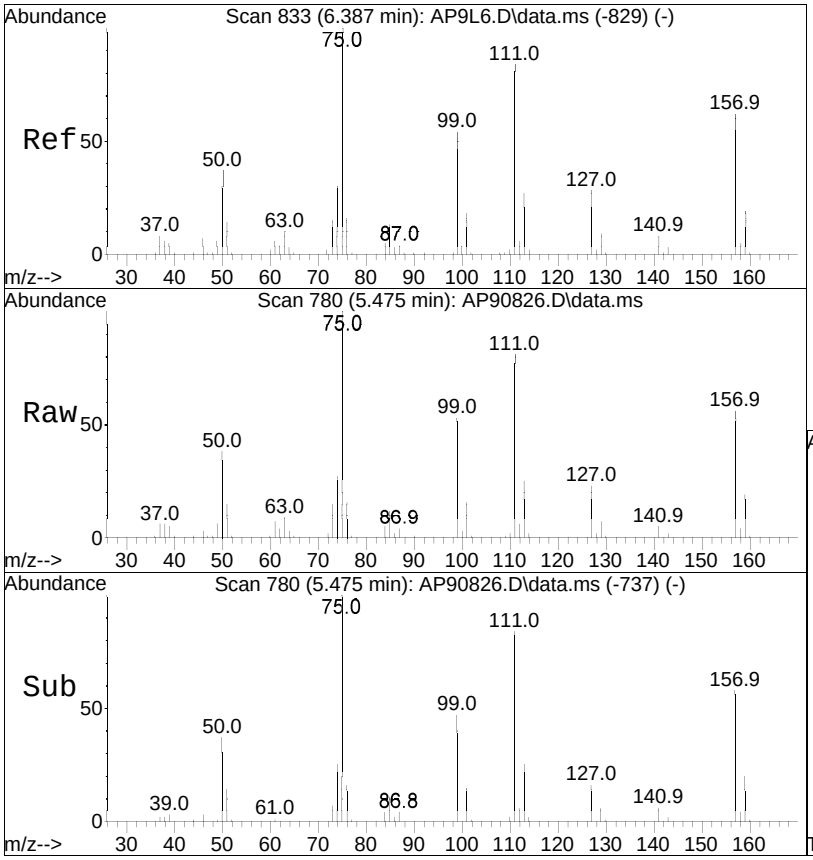


#58
2,6-Dichlorophenol
Concen: 4.18 ug/ml
RT: 5.228 min Scan# 738
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:162 Resp: 24615

Ion	Ratio	Lower	Upper
162	100		
164	66.3	50.8	76.2
63	76.1	53.6	80.4

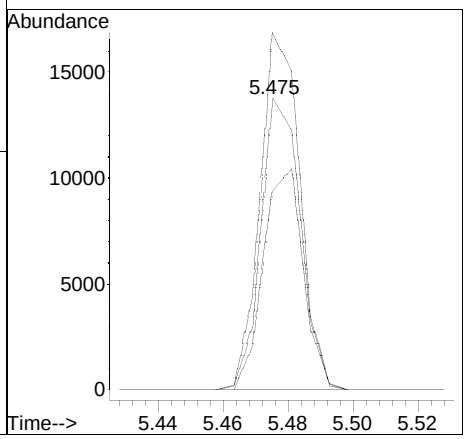


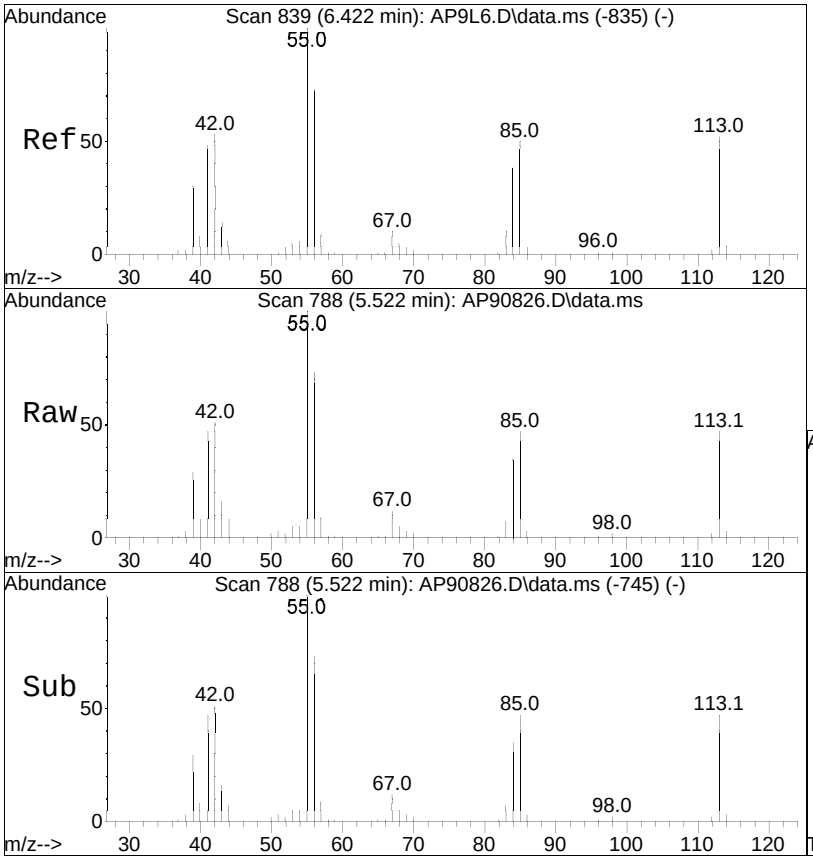


#59
1-chloro-2-nitrobenzene
Concen: 4.46 ug/ml
RT: 5.475 min Scan# 780
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:111 Resp: 11525

Ion	Ratio	Lower	Upper
111	100		
157	77.2	56.2	84.2
75	123.5	97.8	146.6

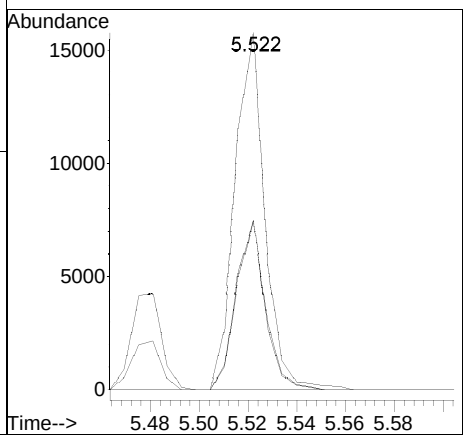


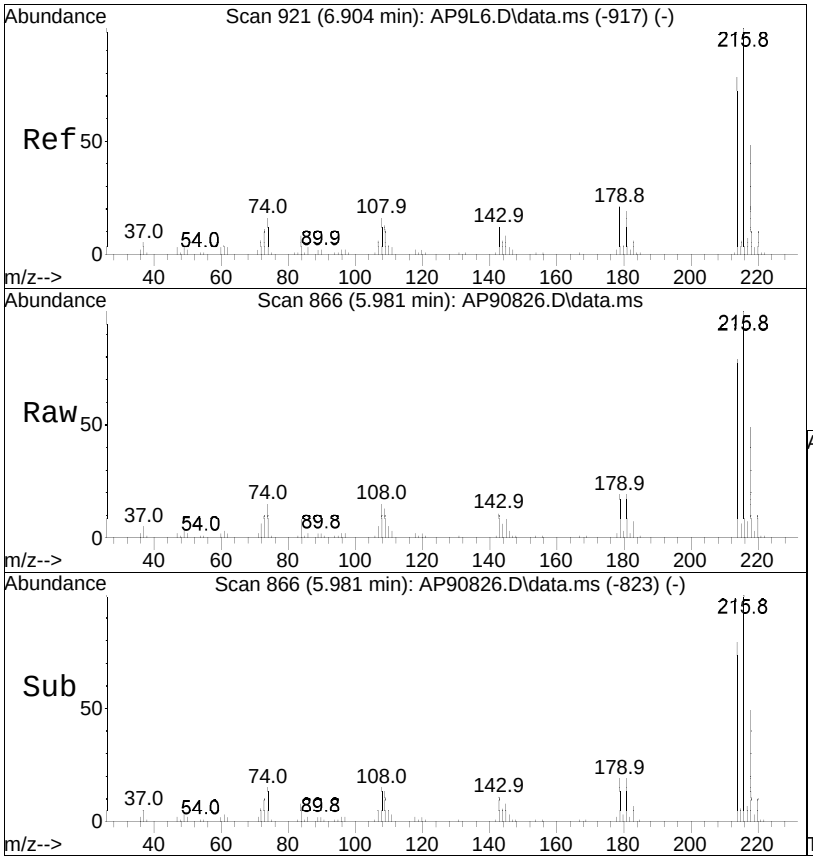


#60
Caprolactam
Concen: 4.53 ug/ml
RT: 5.522 min Scan# 788
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion: 55 Resp: 13383

Ion	Ratio	Lower	Upper
55	100		
85	46.0	35.2	52.8
113	46.1	36.6	55.0

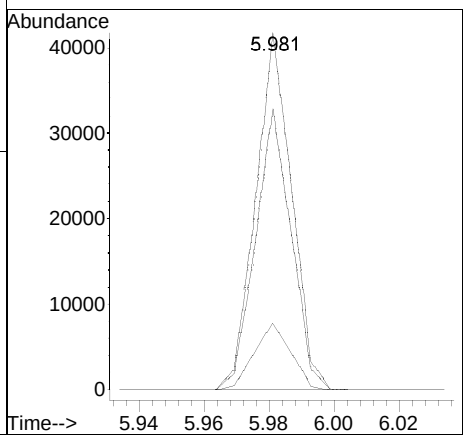


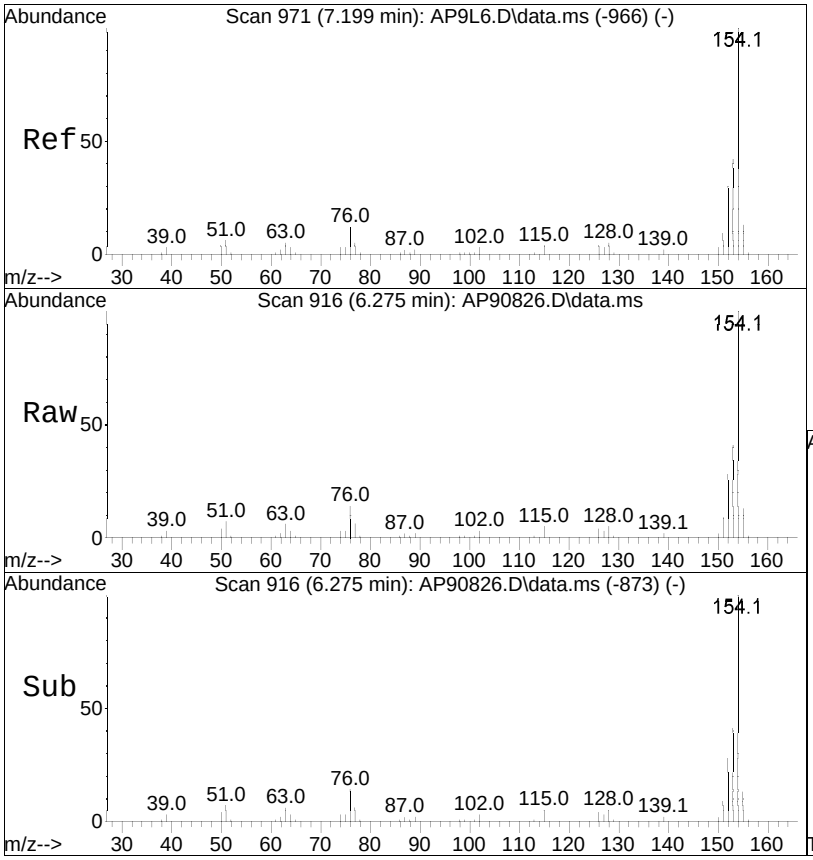


#61
1,2,4,5-Tetrachlorobenzene
Concen: 3.68 ug/ml
RT: 5.981 min Scan# 866
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:216 Resp: 31828

Ion	Ratio	Lower	Upper
216	100		
214	78.3	64.0	96.0
179	19.2	18.7	28.1

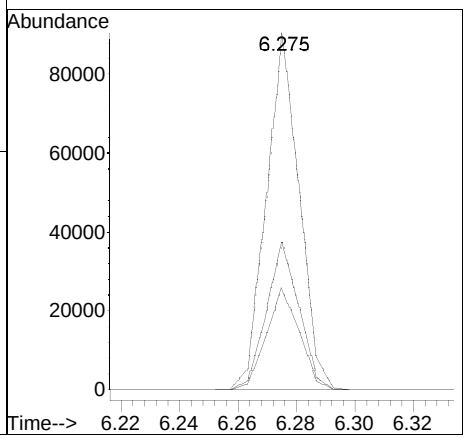


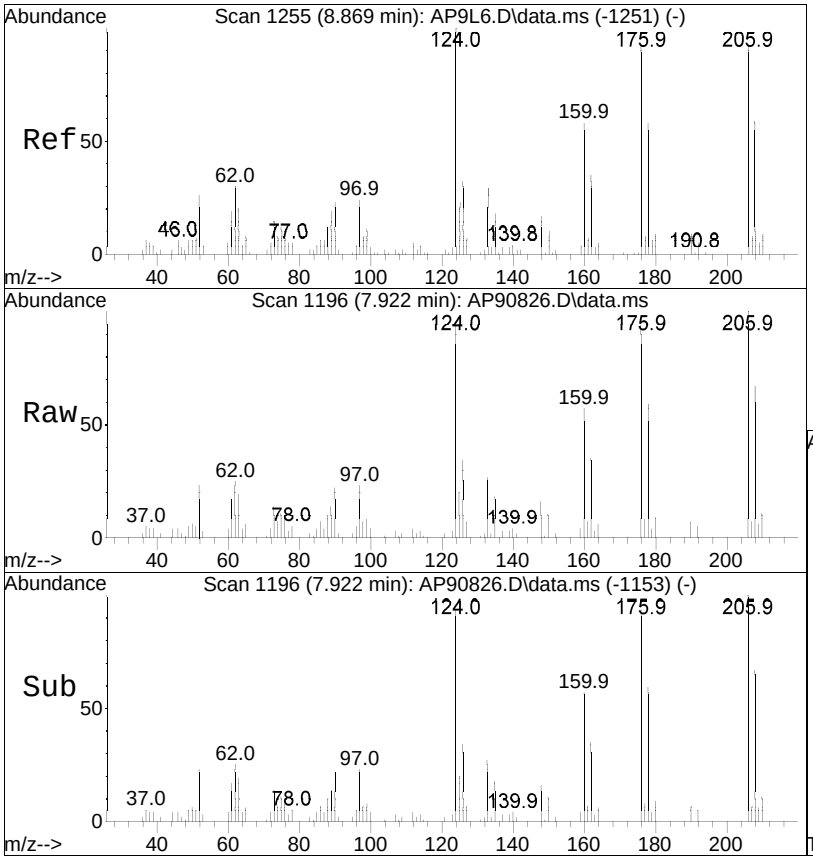


#62
Biphenyl
Concen: 3.77 ug/ml
RT: 6.275 min Scan# 916
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:154 Resp: 69816

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.5	48.7
152	29.0	22.6	34.0

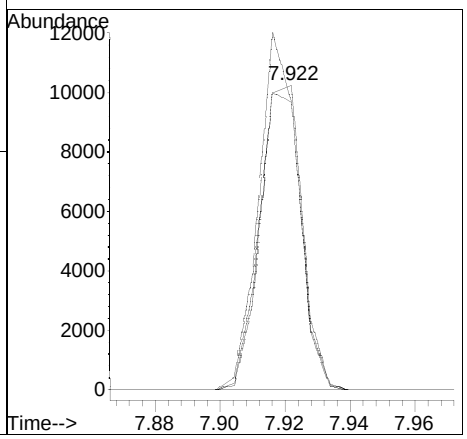


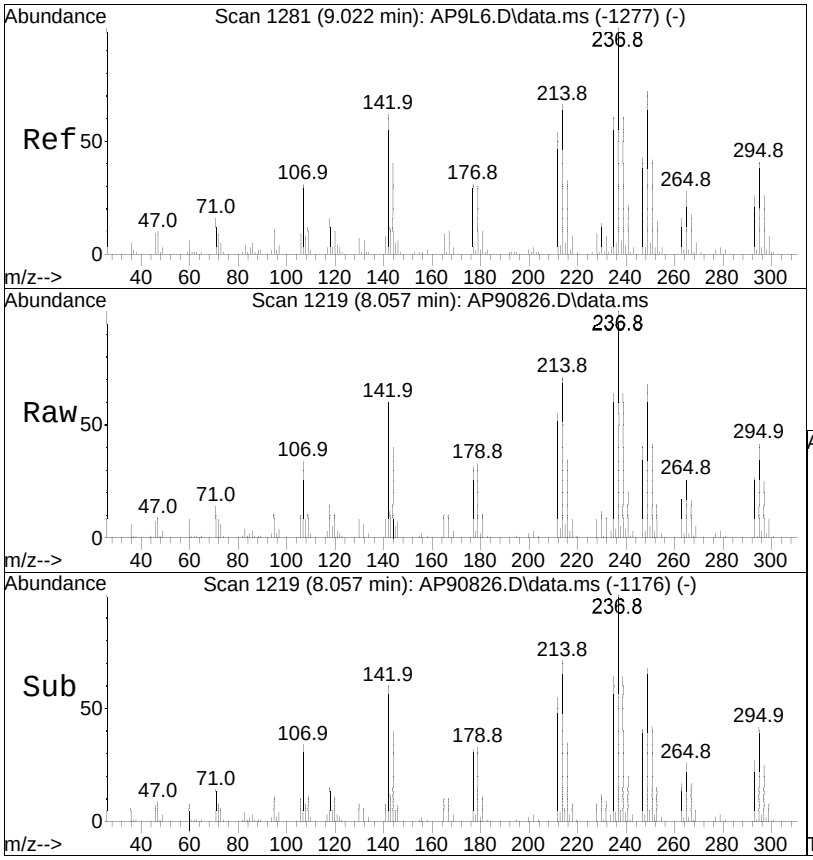


#84
Dichloran
Concen: 3.81 ug/ml
RT: 7.922 min Scan# 1196
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:206 Resp: 9121

Ion	Ratio	Lower	Upper
206	100		
176	98.4	98.8	148.2#
124	108.6	125.8	188.6#

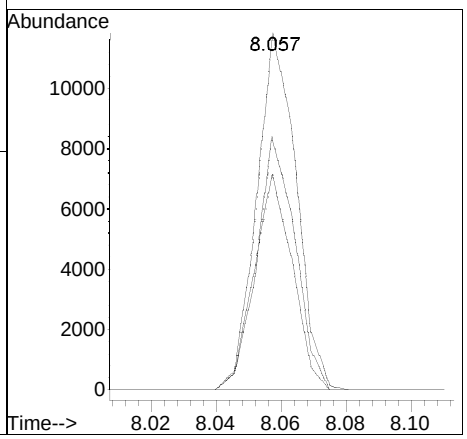


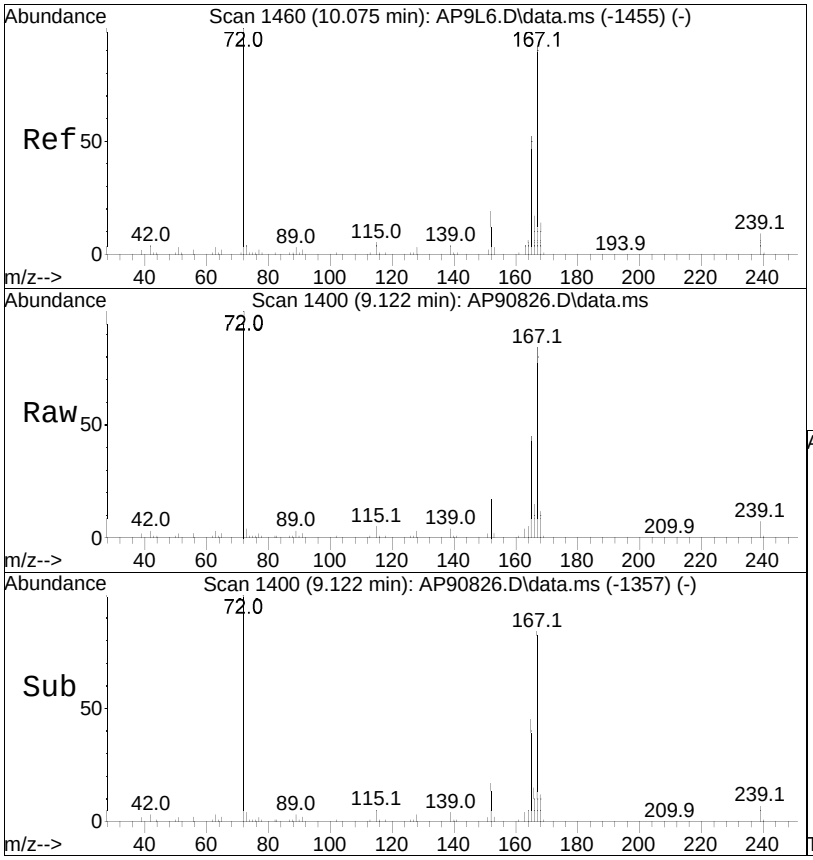


#85
Pentachloronitrobenzene
Concen: 3.92 ug/ml
RT: 8.057 min Scan# 1219
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:237 Resp: 9979

Ion	Ratio	Lower	Upper
237	100		
142	58.8	70.3	105.5#
214	68.8	59.4	89.2

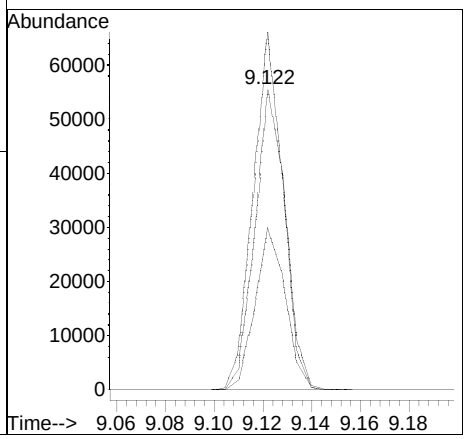




#99
Diphenamid
Concen: 3.90 ug/ml
RT: 9.122 min Scan# 1400
Delta R.T. 0.000 min
Lab File: AP90826.D
Acq: 26 Aug 2024 09:27 am

Tgt Ion:167 Resp: 47990

Ion	Ratio	Lower	Upper
167	100		
72	115.2	98.9	148.3
165	53.4	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: AP90826.D	Operator	: SV112:sz
Date Inj'd	: 8/26/2024 9:27 am	Instrument	: SV112
Sample	: wg1963848-4,32,,AP9 10909	Quant Date	: 8/26/2024 2:01 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\240826RVT\
Data File : ADP0826.D
Acq On : 26 Aug 2024 09:50 am
Operator : SV112:sz
Sample : wg1963848-5,32,,ADP 10751 kmh0802B
Misc : wg1963848,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 26 14:01:02 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	95	0.00
33	T	1,4-Dioxane		0.470	0.476	-1.3	108	0.00
34	T	n-Decane		1.145	1.340	-17.0	120	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	94	0.00
87	T	Atrazine		0.441	0.403	8.6	95	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	88	0.00
101	T	n-Octadecane		0.315	0.395	-25.4#	124	0.00
102	T	Parathion	*	5.000	5.482	-9.6	117	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.621	7.6	95	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : ADP0826.D
Acq On : 26 Aug 2024 09:50 am
Operator : SV112:sz
Sample : wg1963848-5,32,,ADP 10751 kmh0802B
Misc : wg1963848,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 26 14:01:02 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.869	152	19115	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	6.799	164	42236	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.199	188	94779	4.000	ug/ml	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.040	88	11364	5.055	ug/ml#	81
34) n-Decane	3.787	57	32016	5.849	ug/ml	97
87) Atrazine	8.022	200	21264	4.563	ug/ml	99
101) n-Octadecane	8.246	57	46784	6.275	ug/ml	96
102) Parathion	9.010	109	11673	5.482	ug/ml#	88
103) 3,3'-Dimethylbenzidine	10.234	212	86521	4.621	ug/ml	98

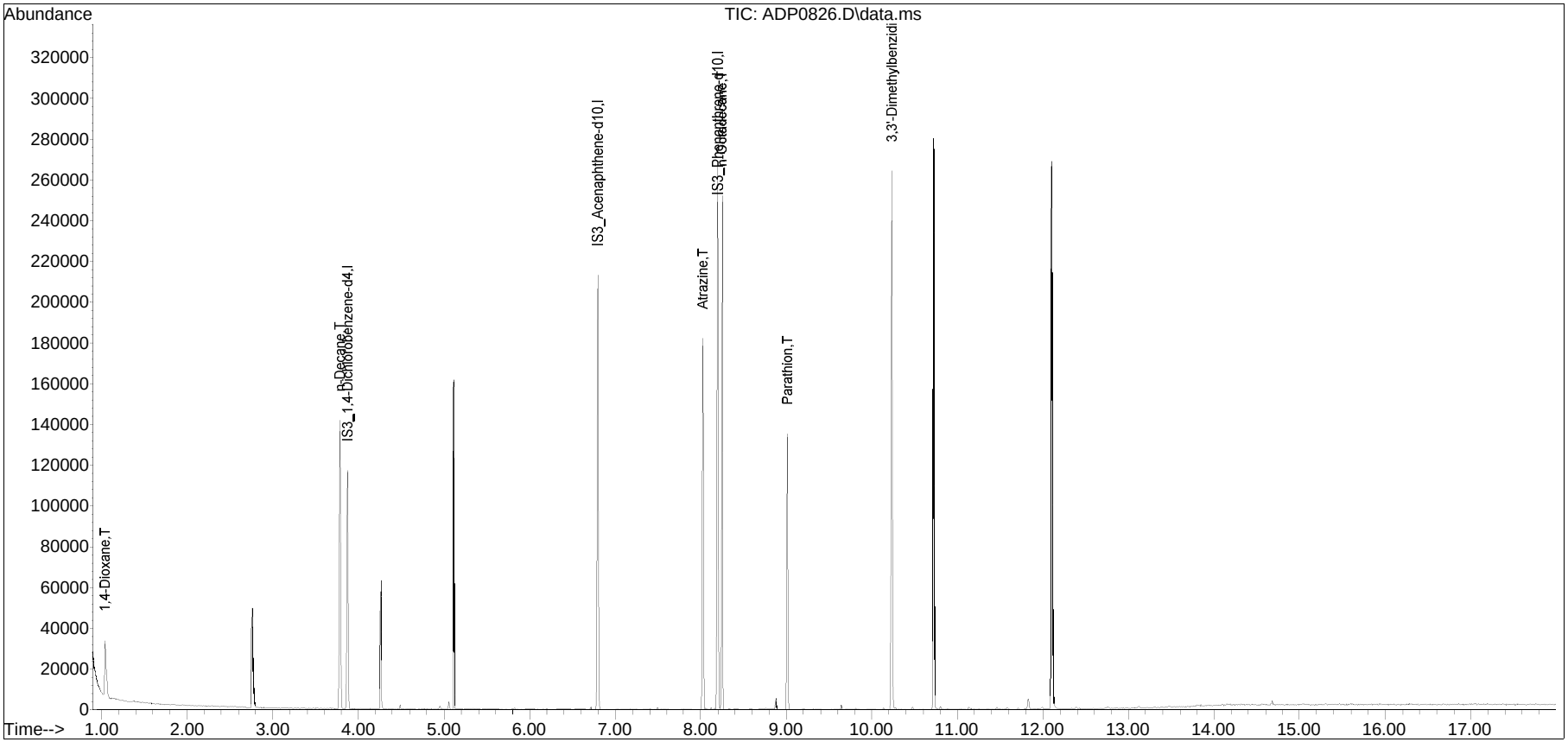
(#) = qualifier out of range (m) = manual integration (+) = signals summed

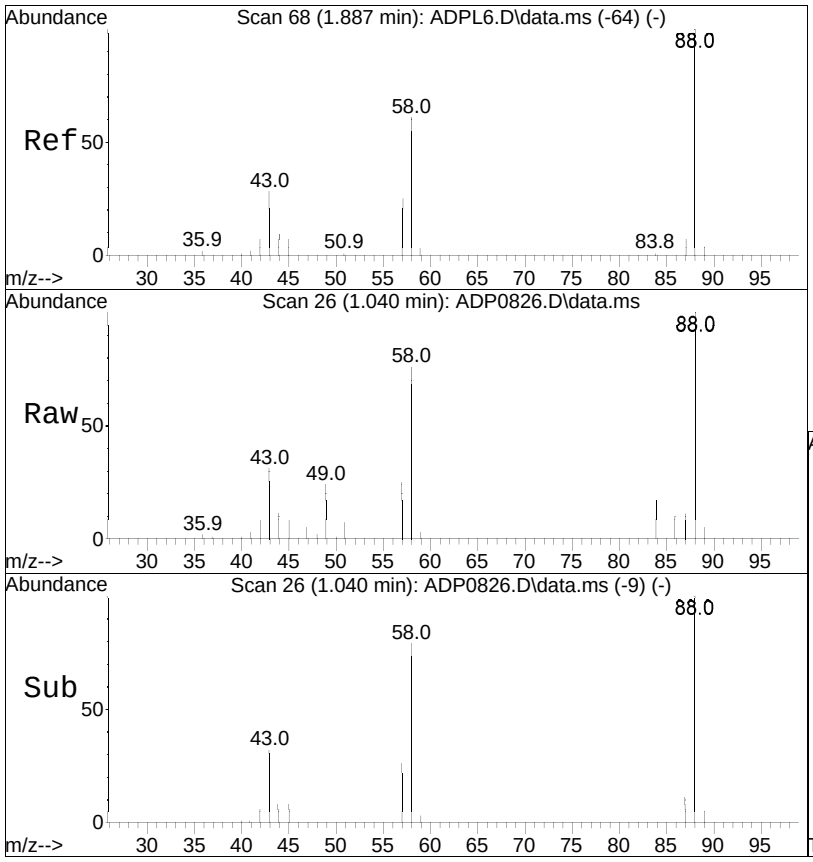
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : ADP0826.D
Acq On : 26 Aug 2024 09:50 am
Operator : SV112:sz
Sample : wg1963848-5,32,,ADP 10751 kmh0802B
Misc : wg1963848,,ical21241
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 26 14:01:02 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:14 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

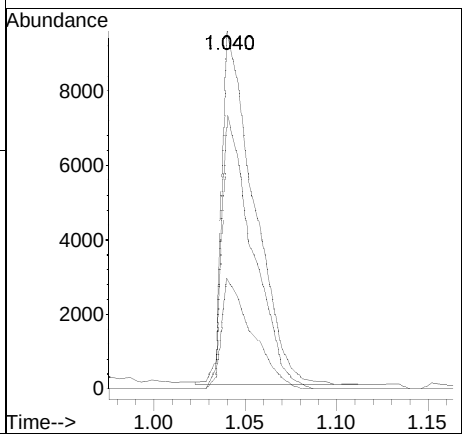


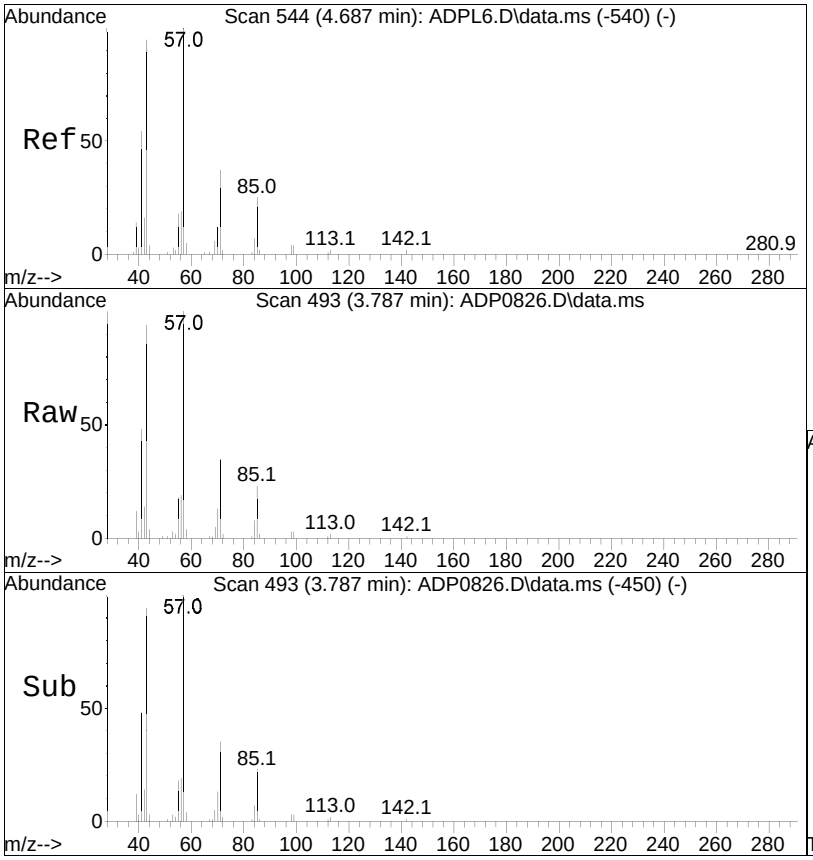


#33
1,4-Dioxane
Concen: 5.05 ug/ml
RT: 1.040 min Scan# 26
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion: 88 Resp: 11364

Ion	Ratio	Lower	Upper
88	100		
58	75.6	44.8	67.2#
43	30.2	22.4	33.6

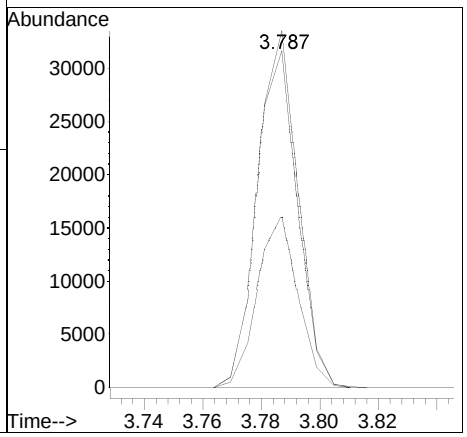


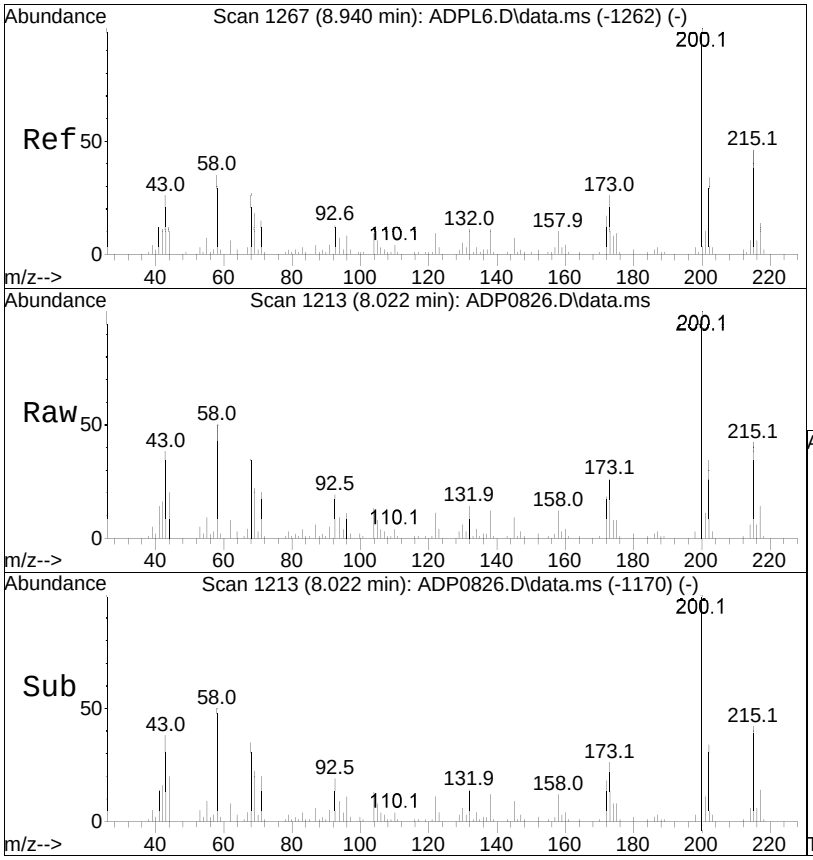


#34
n-Decane
Concen: 5.85 ug/ml
RT: 3.787 min Scan# 493
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion: 57 Resp: 32016

Ion	Ratio	Lower	Upper
57	100		
43	95.5	75.4	113.2
41	48.6	35.0	52.6

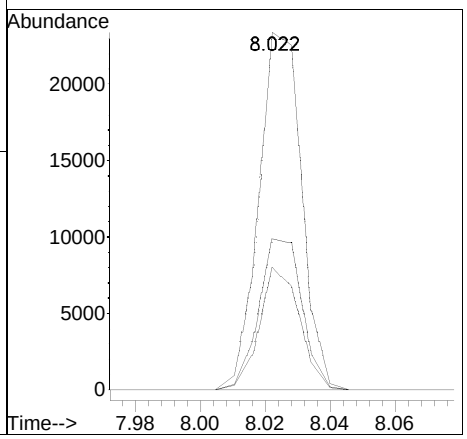


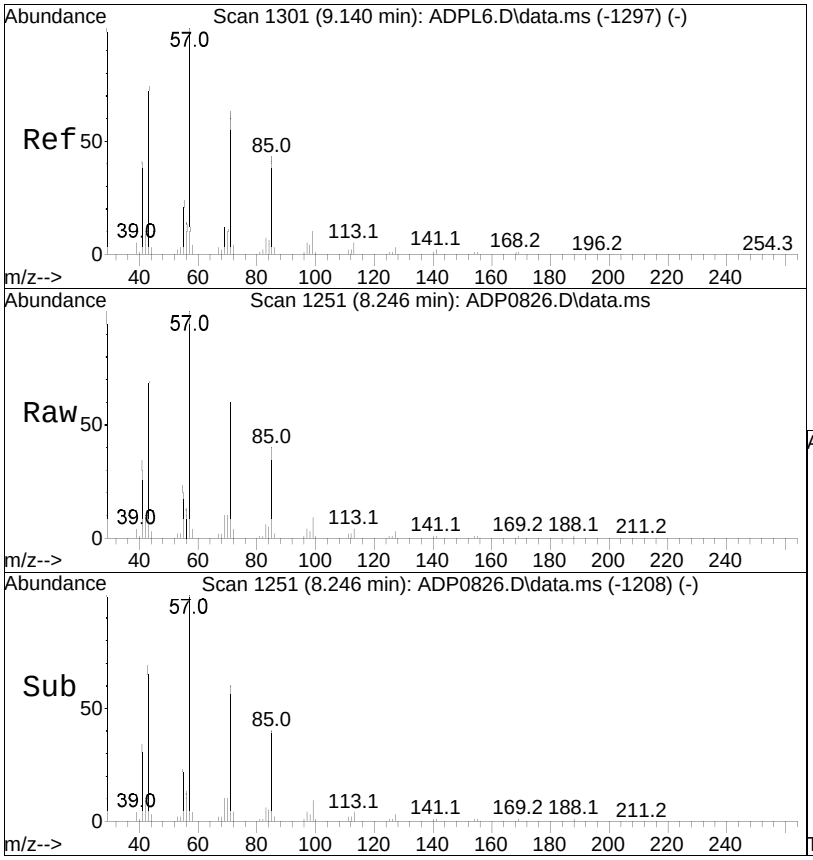


#87
Atrazine
Concen: 4.56 ug/ml
RT: 8.022 min Scan# 1213
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion:200 Resp: 21264

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.0	37.6
215	42.9	34.5	51.7

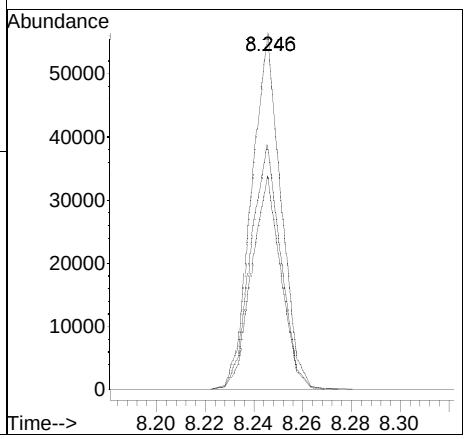


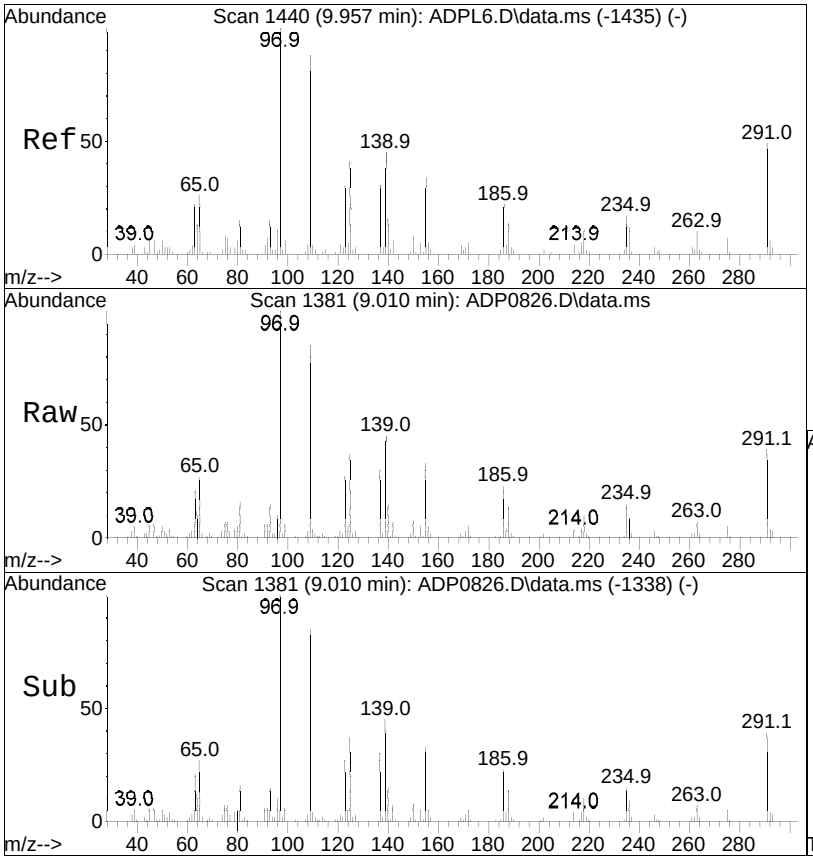


#101
n-Octadecane
Concen: 6.27 ug/ml
RT: 8.246 min Scan# 1251
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion: 57 Resp: 46784

Ion	Ratio	Lower	Upper
57	100		
43	70.2	54.3	81.5
71	59.8	45.1	67.7

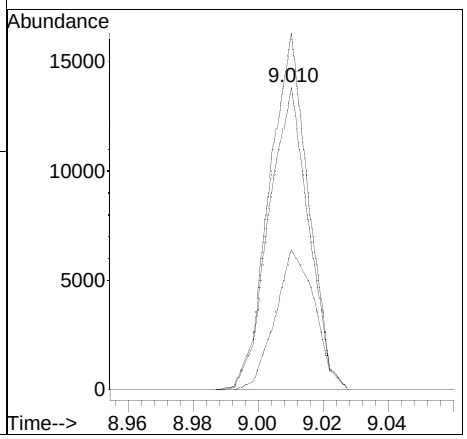


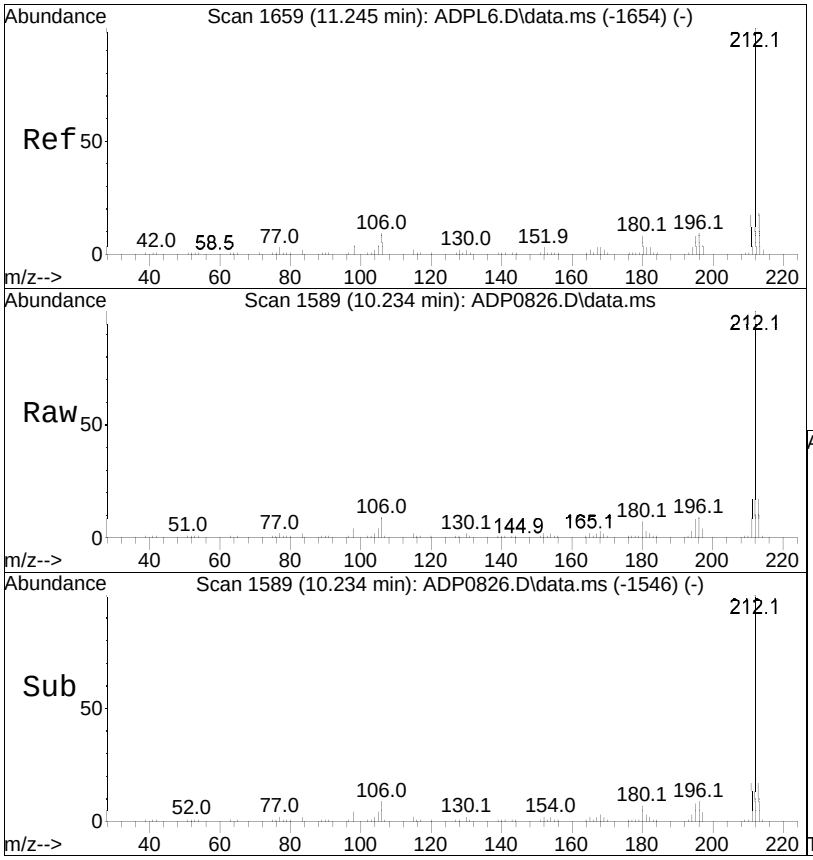


#102
Parathion
Concen: 5.48 ug/ml
RT: 9.010 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion:109 Resp: 11673

Ion	Ratio	Lower	Upper
109	100		
97	115.3	85.4	128.2
291	46.2	25.4	38.2#

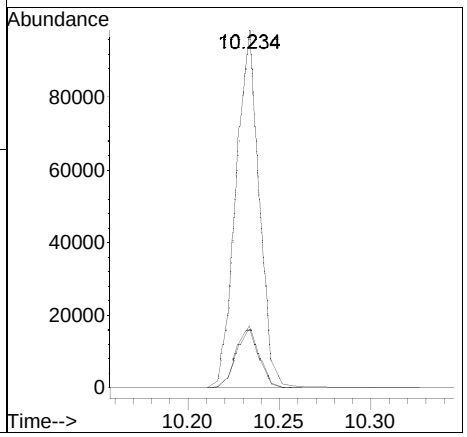




#103
3,3'-Dimethylbenzidine
Concen: 4.62 ug/ml
RT: 10.234 min Scan# 1589
Delta R.T. 0.000 min
Lab File: ADP0826.D
Acq: 26 Aug 2024 09:50 am

Tgt Ion:212 Resp: 86521

Ion	Ratio	Lower	Upper
212	100		
211	17.4	13.3	19.9
213	16.2	13.4	20.2



Manual Integration Report

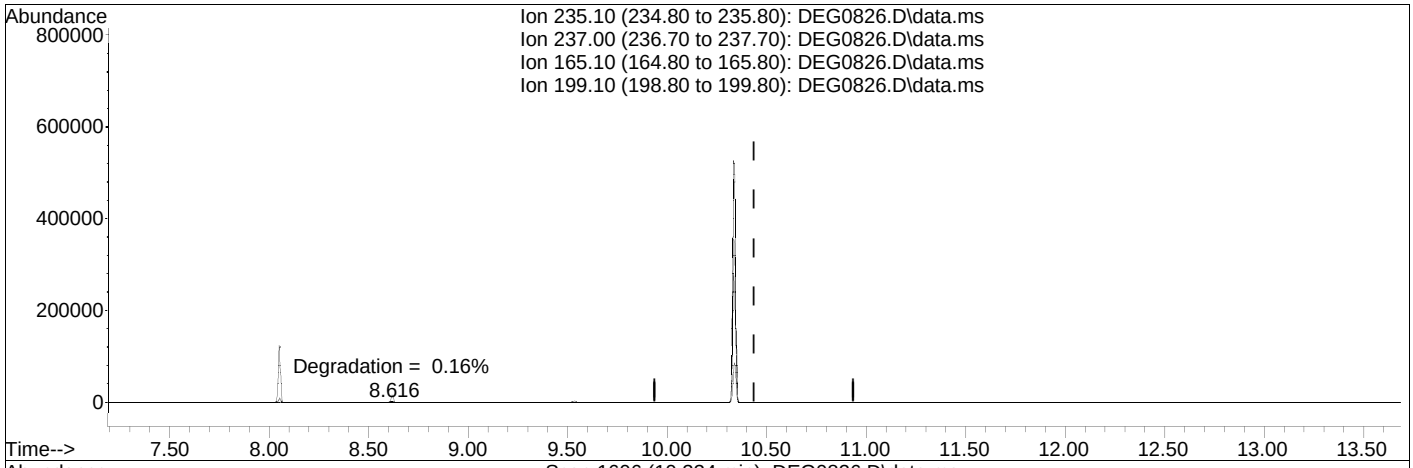
Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: ADP0826.D	Operator	: SV112:sz
Date Inj'd	: 8/26/2024 9:50 am	Instrument	: SV112
Sample	: wg1963848-5,32,,ADP 10751	Quant Date	: 8/26/2024 2:01 pm

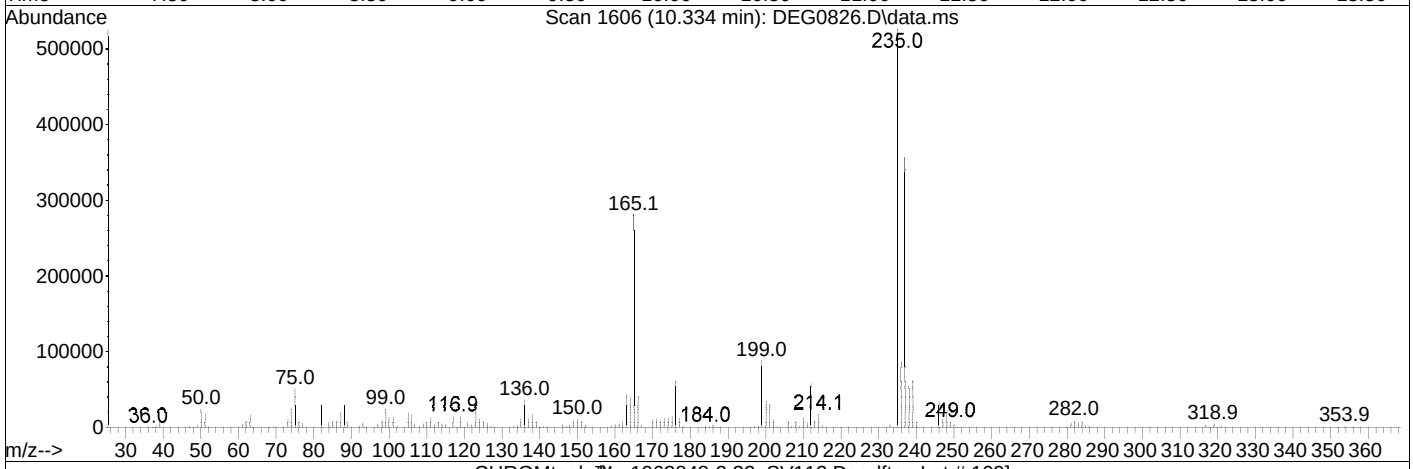
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240826RVT\
Data File : DEG0826.D
Acq On : 26 Aug 2024 08:42 am
Operator : SV112:sz
Sample : wg1963848-2,32,,SV112 Degdftpp Lot # 109
Misc : wg1963848,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 26 09:02:34 2024
Quant Method : I:\8270\SV112\240826RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 17 07:08:35 2024
Response via : Initial Calibration





CHROMtools [wg1963848-2,32,,SV112 Degdftpp Lot # 109]

(6) DDT (T)

10.334min (-0.103) 89.23

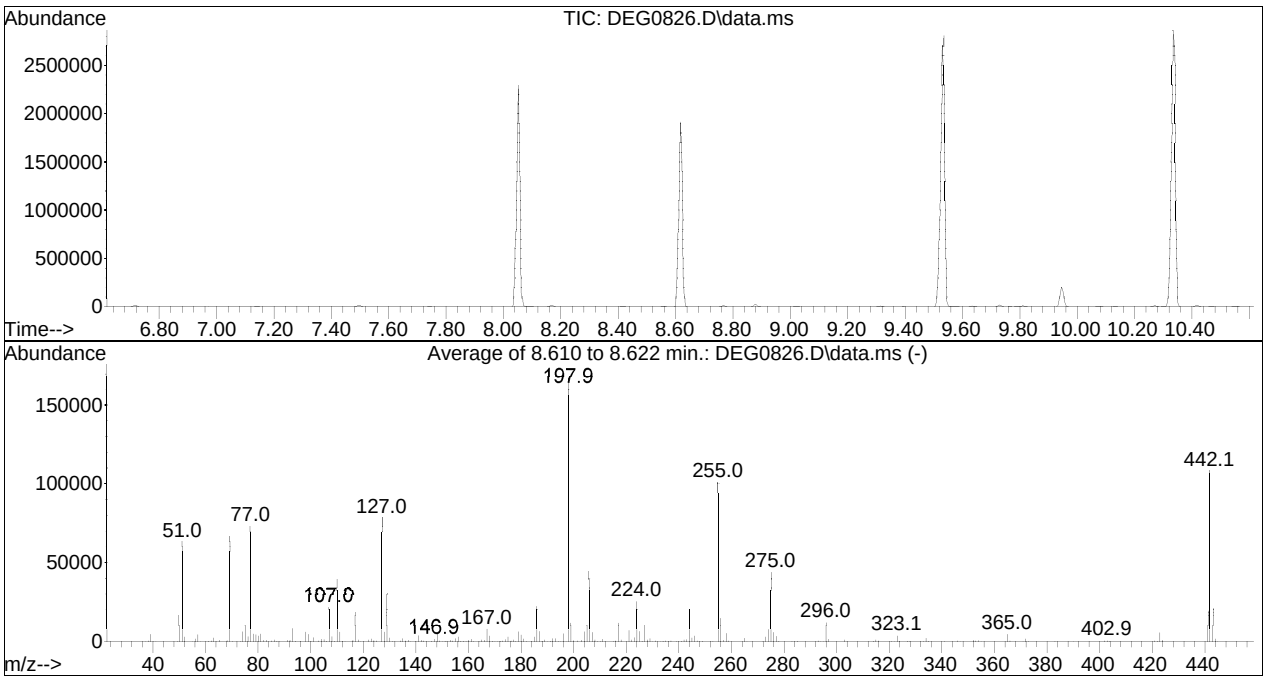
response 543895

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	64.30	66.56
165.10	42.20	49.51
199.10	13.70	15.61

Data Path : I:\8270\SV112\240826RVT\
Data File : DEG0826.D
Acq On : 26 Aug 2024 08:42 am
Operator : SV112:HNY
Sample : WG1963848-1,32,,SV112 Degdftpp Lot # 10984
Misc : WG1963848,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 26 09:26:34 2024



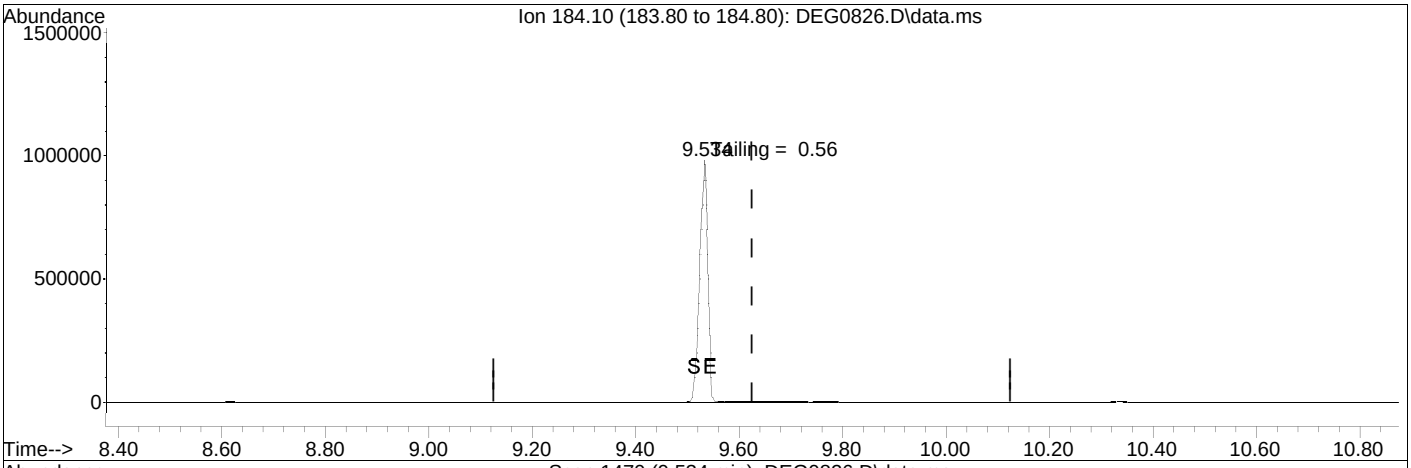
Spectrum Information: Average of 8.610 to 8.622 min.

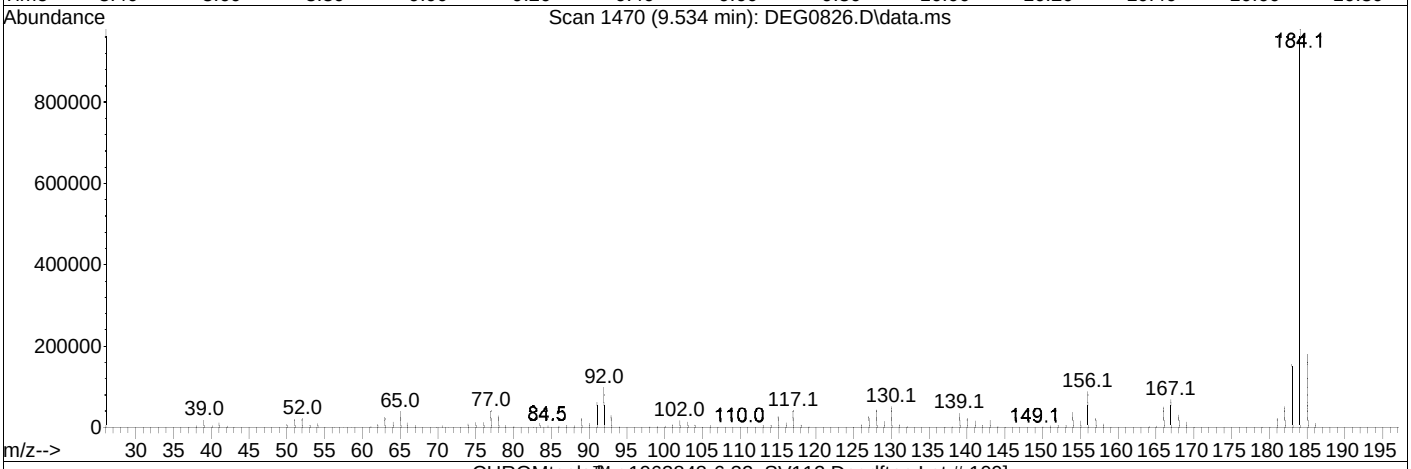
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.8	63256	PASS
68	69	0.00	2	1.6	1078	PASS
69	69	100	100	100.0	66480	PASS
70	69	0.00	2	0.5	341	PASS
127	198	10	80	46.8	78301	PASS
197	198	0.00	2	0.2	289	PASS
198	198	100	100	100.0	167403	PASS
199	198	5	9	7.0	11779	PASS
275	198	10	60	26.1	43773	PASS
365	198	1	100	2.8	4759	PASS
441	442	0.01	24	17.7	19159	PASS
442	198	50	100	64.7	108272	PASS
443	442	15	24	19.6	21260	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240826RVT\
Data File : DEG0826.D
Acq On : 26 Aug 2024 08:42 am
Operator : SV112:sz
Sample : wg1963848-6,32,,SV112 Degdftpp Lot # 109
Misc : wg1963848,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 26 09:02:34 2024
Quant Method : I:\8270\SV112\240826RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 17 07:08:35 2024
Response via : Initial Calibration





CHROMtools [wg1963848-6,32,,SV112 Degdftpp Lot # 109]

(3) Benzidine (T)

9.534min (-0.091) 98.10

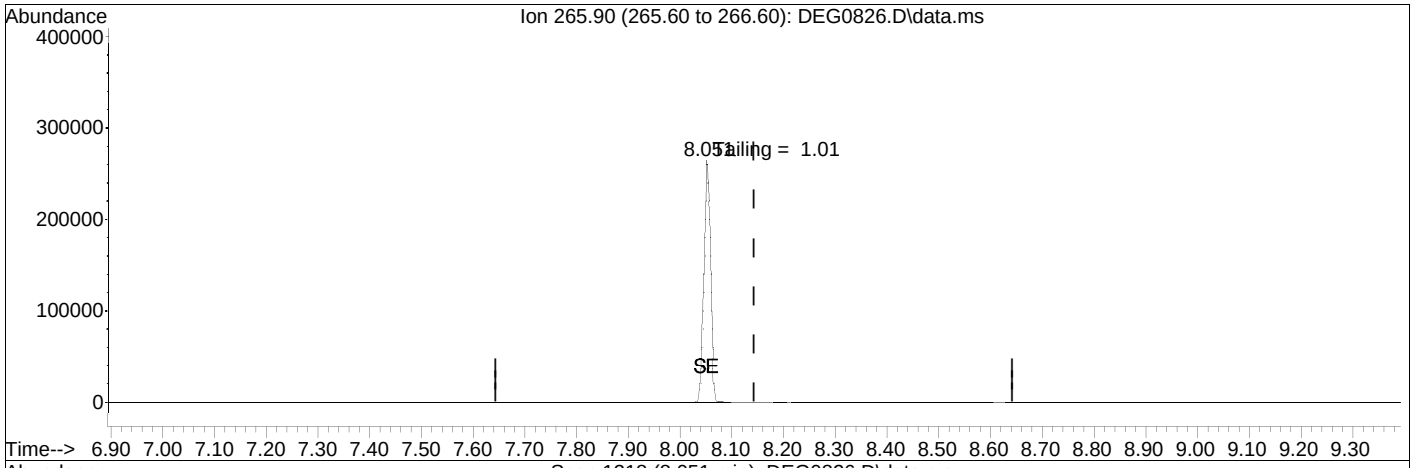
response 998646

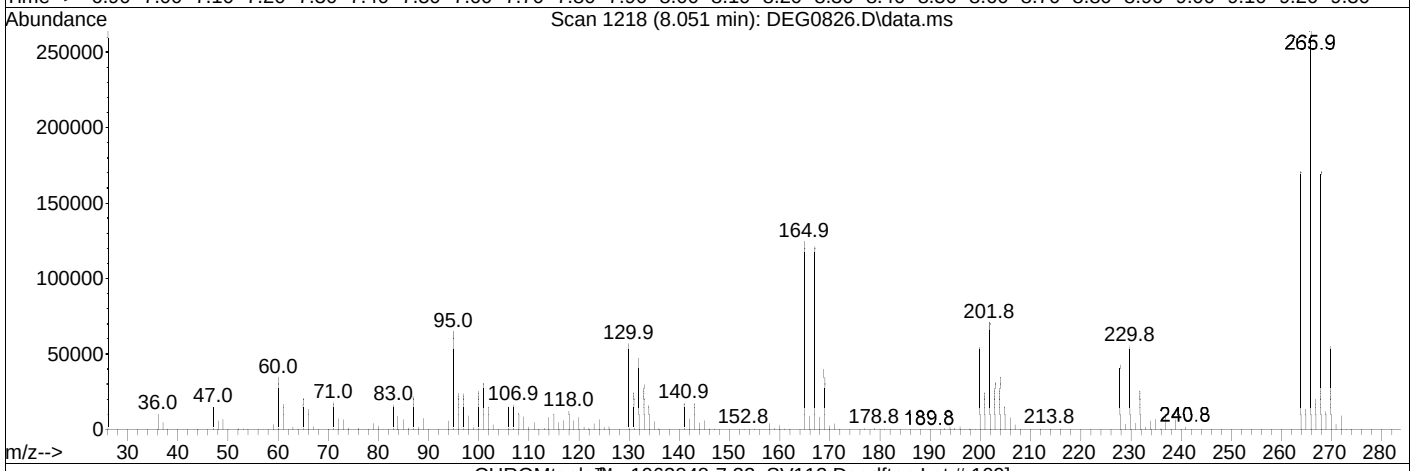
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\240826RVT\
Data File : DEG0826.D
Acq On : 26 Aug 2024 08:42 am
Operator : SV112:sz
Sample : wg1963848-7,32,,SV112 Degdftpp Lot # 109
Misc : wg1963848,,ical21241
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 26 09:02:34 2024
Quant Method : I:\8270\SV112\240826RVT\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Aug 17 07:08:35 2024
Response via : Initial Calibration





CHROMtools [wg1963848-7,32,,SV112 Degdftpp Lot # 109]

(1) Pentachlorophenol (T)

8.051min (-0.092) 105.43

response 221449

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	64	0
n-Nitrosodimethylamine	0.695	0.58	-	16.5	20	57	0
Pyridine	1.127	0.839	-	25.6*	20	52	0
2-Fluorophenol	1.028	0.984	-	4.3	20	63	0
Aniline	1.706	1.501	-	12	20	60	0
2-Chlorophenol	1.15	1.167	-	-1.5	20	66	0
Phenol-d6	1.297	1.206	-	7	20	64	0
Phenol	1.512	1.308	-	13.5	20	58	0
Bis(2-chloroethyl)ether	0.991	0.877	-	11.5	20	60	0
1,3-Dichlorobenzene	1.48	1.48	-	0	20	66	0
1,4-Dichlorobenzene	1.533	1.49	-	2.8	20	66	0
1,2-Dichlorobenzene	1.454	1.477	-	-1.6	20	69	0
Benzyl alcohol	0.973	0.86	-	11.6	20	57	0
Bis(2-chloroisopropyl)ethe	1.478	0.735	-	50.3*	20	34	0
2-Methylphenol	1.039	1.023	-	1.5	20	65	0
Hexachloroethane	0.544	0.47	-	13.6	20	59	0
n-Nitrosodi-n-propylamine	0.912	0.72	-	21.1*	20	54	0
3-Methylphenol/4-Methylphe	1.095	1.108	-	-1.2	20	68	0
Nitrobenzene-d5	1.354	1.136	-	16.1	20	58	0
Nitrobenzene	1.298	1.047	-	19.3	20	55	0
Isophorone	2.275	1.951	-	14.2	20	56	0
2-Nitrophenol	0.644	0.705	-	-9.5	20	75	0
2,4-Dimethylphenol	1.097	1.107	-	-0.9	20	68	0
Bis(2-chloroethoxy)methane	1.398	1.113	-	20.4*	20	53	0
2,4-Dichlorophenol	1.237	1.298	-	-4.9	20	68	0
1,2,4-Trichlorobenzene	1.544	1.487	-	3.7	20	66	0
IS1_Naphthalene-d8	1	1	-	0	20	67	0
Naphthalene	1.042	0.971	-	6.8	20	69	0
Benzoic Acid	5	5.038	-	-0.8	20	79	0
4-Chloroaniline	0.127	0.099	-	22*	20	55	0
Hexachlorobutadiene	0.25	0.223	-	10.8	20	65	0
p-Chloro-m-cresol	0.291	0.265	-	8.9	20	64	0
2-Methylnaphthalene	0.749	0.714	-	4.7	20	69	0
1-Methylnaphthalene	0.245	0.22	-	10.2	20	66	0
Hexachlorocyclopentadiene	0.29	0.287	-	1	20	72	0
2,4,6-Trichlorophenol	0.296	0.294	-	0.7	20	72	0
2,4,5-Trichlorophenol	0.316	0.303	-	4.1	20	67	0
2-Fluorobiphenyl	1.003	0.95	-	5.3	20	68	0
2-Chloronaphthalene	0.83	0.798	-	3.9	20	69	0
2-Nitroaniline	0.221	0.236	-	-6.8	20	76	0
1,4-Dinitrobenzene	0.117	0.125	-	-6.8	20	76	0
1,3-Dinitrobenzene	0.127	0.139	-	-9.4	20	73	0
Dimethyl phthalate	1.032	0.974	-	5.6	20	69	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 20:51		
Lab File ID	: ABN0825	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-3	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.24	1.242	-	-0.2	20	70	0
2,6-Dinitrotoluene	0.204	0.209	-	-2.5	20	73	0
1,2-Dinitrobenzene	0.074	0.086	-	-16.2	20	74	0
IS1_Acenaphthene-d10	1	1	-	0	20	71	0
3-Nitroaniline	0.297	0.296	-	0.3	20	75	0
Acenaphthene	1.081	1.003	-	7.2	20	71	0
2,4-Dinitrophenol	5	5.35	-	-7	20	85	0
Dibenzofuran	1.903	1.692	-	11.1	20	69	0
2,4-Dinitrotoluene	0.404	0.42	-	-4	20	75	0
4-Nitrophenol	0.249	0.211	-	15.3	20	63	0
2,3,5,6-Tetrachlorophenol	0.428	0.411	-	4	20	74	0
2,3,4,6-Tetrachlorophenol	0.401	0.392	-	2.2	20	70	0
Diethyl phthalate	1.543	1.322	-	14.3	20	66	0
Fluorene	1.448	1.329	-	8.2	20	70	0
4-Chlorophenyl phenyl ethe	0.738	0.669	-	9.3	20	69	0
4-Nitroaniline	0.292	0.319	-	-9.2	20	79	0
4,6-Dinitro-o-cresol	0.255	0.284	-	-11.4	20	78	0
NDPA/DPA	1.243	1.171	-	5.8	20	72	0
Azobenzene	1.252	0.999	-	20.2*	20	61	0
2,4,6-Tribromophenol	0.261	0.287	-	-10	20	79	0
4-Bromophenyl phenyl ether	0.491	0.448	-	8.8	20	73	0
Hexachlorobenzene	0.609	0.569	-	6.6	20	74	0
Pentachlorophenol	0.369	0.383	-	-3.8	20	78	0
IS1_Phenanthrene-d10	1	1	-	0	20	76	0
Phenanthrene	1.081	0.925	-	14.4	20	71	0
Anthracene	1.043	0.934	-	10.5	20	72	0
Carbazole	0.988	0.908	-	8.1	20	74	0
Di-n-butylphthalate	1.134	1.042	-	8.1	20	72	0
Fluoranthene	1.317	1.193	-	9.4	20	74	0
Benzidine	0.734	0.751	-	-2.3	20	78	0
Pyrene	1.356	1.248	-	8	20	74	0
4-Terphenyl-d14	1.04	0.943	-	9.3	20	74	0
Butyl benzyl phthalate	0.51	0.487	-	4.5	20	73	0
IS1_Chrysene-d12	1	1	-	0	20	81	0
Benzo(a)anthracene	1.334	1.181	-	11.5	20	78	0
3,3'-Dichlorobenzidine	0.495	0.482	-	2.6	20	81	0
Chrysene	1.266	1.109	-	12.4	20	77	0
Bis(2-ethylhexyl)phthalate	0.75	0.669	-	10.8	20	72	0
Di-n-octylphthalate	1.251	1.176	-	6	20	76	0
Benzo(b)fluoranthene	1.424	1.34	-	5.9	20	82	0
Benzo(k)fluoranthene	1.355	1.227	-	9.4	20	80	0
Benzo(a)pyrene	1.262	1.206	-	4.4	20	81	0
IS1_Perylene-d12	1	1	-	0	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 20:51	
Lab File ID	: ABN0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-3		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.235	1.099	-	11	20	83	0
Dibenzo(a,h)anthracene	1.149	1.037	-	9.7	20	82	0
Benzo(ghi)perylene	1.129	1.037	-	8.1	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: DAKOTA		**Calibration Date**	: 08/25/24 21:35	
Lab File ID	: ADP0825		**Init. Calib. Date(s)**	: 06/18/24	06/19/24
Sample No	: WG1963655-5		**Init. Calib. Times**	: 12:22	00:04
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	80	0
1,4-Dioxane	0.45	0.401	-	10.9	20	80	0
n-Decane	1.059	0.621	-	41.4*	20	55	0
IS3_Acenaphthene-d10	1	1	-	0	20	81	0
Atrazine	0.45	0.408	-	9.3	20	85	0
IS3_Phenanthrene-d10	1	1	-	0	20	76	0
n-Octadecane	0.319	0.186	-	41.7*	20	50	0
Parathion	5	4.678	-	6.4	20	85	0
3,3'-Dimethylbenzidine	0.735	0.809	-	-10.1	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: DAKOTA	**Calibration Date**	: 08/25/24 21:59		
Lab File ID	: AP90825A	**Init. Calib. Date(s)**	: 06/18/24	06/19/24	
Sample No	: WG1963655-4	**Init. Calib. Times**	: 12:22	00:04	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	66	0
Benzaldehyde	1.036	0.833	-	19.6	20	55	0
Acetophenone	1.772	1.389	-	21.6*	20	53	0
m-Toluidine	1.704	1.357	-	20.4*	20	52	0
2-Chloroaniline	1.648	1.372	-	16.7	20	57	0
IS2_Naphthalene-d8	1	1	-	0	20	69	0
a-Terpineol	0.269	0.146	-	45.7*	20	39	0
3-Chloroaniline	0.15	0.1	-	33.3*	20	47	0
2,6-Dichlorophenol	0.375	0.29	-	22.7*	20	54	0
1-chloro-2-nitrobenzene	0.155	0.107	-	31*	20	50	0
Caprolactam	0.134	0.069	-	48.5*	20	35	0
1,2,4,5-Tetrachlorobenzene	0.499	0.38	-	23.8*	20	55	0
Biphenyl	1.069	0.817	-	23.6*	20	54	0
IS2_Acenaphthene-d10	1	1	-	0	20	72	0
Dichloran	0.236	0.187	-	20.8*	20	61	0
Pentachloronitrobenzene	0.22	0.178	-	19.1	20	56	0
IS2_Phenanthrene-d10	1	1	-	0	20	70	0
Diphenamid	0.521	0.417	-	20	20	55	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	104	0
n-Nitrosodimethylamine	0.657	0.712	-	-8.4	20	104	0
Pyridine	1.043	1.077	-	-3.3	20	94	0
2-Fluorophenol	1.05	1.023	-	2.6	20	100	0
Aniline	1.811	1.616	-	10.8	20	96	0
2-Chlorophenol	1.251	1.147	-	8.3	20	98	0
Phenol-d6	1.357	1.289	-	5	20	98	0
Phenol	1.577	1.405	-	10.9	20	94	0
Bis(2-chloroethyl)ether	1.167	1.094	-	6.3	20	102	0
1,3-Dichlorobenzene	1.508	1.356	-	10.1	20	95	0
1,4-Dichlorobenzene	1.575	1.373	-	12.8	20	96	0
1,2-Dichlorobenzene	1.475	1.309	-	11.3	20	95	0
Benzyl alcohol	0.945	0.923	-	2.3	20	101	0
Bis(2-chloroisopropyl)ethe	1.475	1.601	-	-8.5	20	117	0
2-Methylphenol	1.056	0.983	-	6.9	20	97	0
Hexachloroethane	0.558	0.532	-	4.7	20	102	0
n-Nitrosodi-n-propylamine	0.865	0.809	-	6.5	20	100	0
3-Methylphenol/4-Methylphe	1.15	1.069	-	7	20	95	0
Nitrobenzene-d5	1.294	1.231	-	4.9	20	99	0
Nitrobenzene	1.289	1.226	-	4.9	20	99	0
Isophorone	2.328	2.133	-	8.4	20	98	0
2-Nitrophenol	0.574	0.586	-	-2.1	20	106	0
2,4-Dimethylphenol	1.101	1.029	-	6.5	20	107	0
Bis(2-chloroethoxy)methane	1.567	1.374	-	12.3	20	98	0
2,4-Dichlorophenol	1.153	1.042	-	9.6	20	97	0
1,2,4-Trichlorobenzene	1.46	1.17	-	19.9	20	91	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.049	0.933	-	11.1	20	92	0
Benzoic Acid	5	4.999	-	0	20	111	0
4-Chloroaniline	0.118	0.121	-	-2.5	20	102	0
Hexachlorobutadiene	0.246	0.209	-	15	20	91	0
p-Chloro-m-cresol	0.277	0.27	-	2.5	20	99	0
2-Methylnaphthalene	0.713	0.606	-	15	20	92	0
1-Methylnaphthalene	0.245	0.203	-	17.1	20	92	0
Hexachlorocyclopentadiene	0.251	0.229	-	8.8	20	100	0
2,4,6-Trichlorophenol	0.256	0.233	-	9	20	92	0
2,4,5-Trichlorophenol	0.262	0.249	-	5	20	95	0
2-Fluorobiphenyl	0.904	0.746	-	17.5	20	90	0
2-Chloronaphthalene	0.759	0.647	-	14.8	20	92	0
2-Nitroaniline	0.2	0.203	-	-1.5	20	105	0
1,4-Dinitrobenzene	0.098	0.099	-	-1	20	103	0
1,3-Dinitrobenzene	0.114	0.114	-	0	20	102	0
Dimethyl phthalate	0.923	0.779	-	15.6	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:05		
Lab File ID	: ABN0826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-3	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.12	1.011	-	9.7	20	94	0
2,6-Dinitrotoluene	0.173	0.169	-	2.3	20	102	0
1,2-Dinitrobenzene	0.076	0.073	-	3.9	20	102	0
IS1_Acenaphthene-d10	1	1	-	0	20	99	0
3-Nitroaniline	0.299	0.312	-	-4.3	20	100	0
Acenaphthene	1.115	0.969	-	13.1	20	92	0
2,4-Dinitrophenol	5	5.716	-	-14.3	20	126	0
Dibenzofuran	1.837	1.588	-	13.6	20	91	0
2,4-Dinitrotoluene	0.383	0.395	-	-3.1	20	100	0
4-Nitrophenol	0.29	0.283	-	2.4	20	98	0
2,3,5,6-Tetrachlorophenol	0.377	0.372	-	1.3	20	95	0
2,3,4,6-Tetrachlorophenol	0.37	0.364	-	1.6	20	98	0
Diethyl phthalate	1.487	1.317	-	11.4	20	97	0
Fluorene	1.431	1.263	-	11.7	20	93	0
4-Chlorophenyl phenyl ethe	0.78	0.621	-	20.4*	20	89	0
4-Nitroaniline	0.314	0.312	-	0.6	20	92	0
4,6-Dinitro-o-cresol	5	4.99	-	0.2	20	119	0
NDPA/DPA	1.231	1.078	-	12.4	20	92	0
Azobenzene	1.305	1.249	-	4.3	20	98	0
2,4,6-Tribromophenol	0.257	0.231	-	10.1	20	97	0
4-Bromophenyl phenyl ether	0.5	0.396	-	20.8*	20	89	0
Hexachlorobenzene	0.628	0.487	-	22.5*	20	91	0
Pentachlorophenol	0.322	0.325	-	-0.9	20	106	0
IS1_Phenanthrene-d10	1	1	-	0	20	100	0
Phenanthrene	1.058	0.933	-	11.8	20	92	0
Anthracene	1.035	0.936	-	9.6	20	94	0
Carbazole	0.948	0.886	-	6.5	20	93	0
Di-n-butylphthalate	1.034	1.007	-	2.6	20	103	0
Fluoranthene	1.228	1.112	-	9.4	20	94	0
Benzidine	0.675	0.694	-	-2.8	20	99	0
Pyrene	1.301	1.176	-	9.6	20	91	0
4-Terphenyl-d14	1.029	0.864	-	16	20	90	0
Butyl benzyl phthalate	0.458	0.47	-	-2.6	20	111	0
IS1_Chrysene-d12	1	1	-	0	20	97	0
Benzo(a)anthracene	1.284	1.153	-	10.2	20	90	0
3,3'-Dichlorobenzidine	0.468	0.453	-	3.2	20	94	0
Chrysene	1.259	1.132	-	10.1	20	91	0
Bis(2-ethylhexyl)phthalate	0.639	0.656	-	-2.7	20	105	0
Di-n-octylphthalate	0.979	1.125	-	-14.9	20	110	0
Benzo(b)fluoranthene	1.317	1.253	-	4.9	20	94	0
Benzo(k)fluoranthene	1.202	1.163	-	3.2	20	88	0
Benzo(a)pyrene	1.149	1.109	-	3.5	20	92	0
IS1_Perylene-d12	1	1	-	0	20	98	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:05	
Lab File ID	: ABN0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-3		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.118	0.996	-	10.9	20	86	0
Dibenzo(a,h)anthracene	1.068	0.993	-	7	20	91	0
Benzo(ghi)perylene	1.078	0.979	-	9.2	20	91	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV112	**Calibration Date**	: 08/26/24 09:27		
Lab File ID	: AP90826	**Init. Calib. Date(s)**	: 06/25/24	06/26/24	
Sample No	: WG1963848-4	**Init. Calib. Times**	: 20:18	07:31	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	91	0
Benzaldehyde	1.094	0.941	-	14	20	79	0
Acetophenone	1.903	1.584	-	16.8	20	72	0
m-Toluidine	1.828	1.522	-	16.7	20	72	0
2-Chloroaniline	1.742	1.404	-	19.4	20	72	0
IS2_Naphthalene-d8	1	1	-	0	20	88	0
a-Terpineol	0.277	0.26	-	6.1	20	82	0
3-Chloroaniline	0.15	0.133	-	11.3	20	79	0
2,6-Dichlorophenol	0.326	0.273	-	16.3	20	72	0
1-chloro-2-nitrobenzene	0.143	0.128	-	10.5	20	77	0
Caprolactam	5	4.527	-	9.5	20	85	0
1,2,4,5-Tetrachlorobenzene	0.479	0.353	-	26.3*	20	66	0
Biphenyl	1.026	0.774	-	24.6*	20	67	0
IS2_Acenaphthene-d10	1	1	-	0	20	84	0
Dichloran	5	3.809	-	23.8*	20	71	0
Pentachloronitrobenzene	0.235	0.184	-	21.7*	20	68	0
IS2_Phenanthrene-d10	1	1	-	0	20	81	0
Diphenamid	0.515	0.401	-	22.1*	20	61	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV112		**Calibration Date**	: 08/26/24 09:50	
Lab File ID	: ADP0826		**Init. Calib. Date(s)**	: 06/25/24	06/26/24
Sample No	: WG1963848-5		**Init. Calib. Times**	: 20:18	07:31
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	95	0
1,4-Dioxane	0.47	0.476	-	-1.3	20	108	0
n-Decane	1.145	1.34	-	-17	20	120	0
IS3_Acenaphthene-d10	1	1	-	0	20	94	0
Atrazine	0.441	0.403	-	8.6	20	95	0
IS3_Phenanthrene-d10	1	1	-	0	20	88	0
n-Octadecane	0.315	0.395	-	-25.4*	20	124	0
Parathion	5	5.482	-	-9.6	20	117	0
3,3'-Dimethylbenzidine	5	4.621	-	7.6	20	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	133	0
n-Nitrosodimethylamine	0.851	0.943	-	-10.8	20	162	0
Pyridine	1.392	1.432	-	-2.9	20	149	0
2-Fluorophenol	1.156	1.168	-	-1	20	144	0
Aniline	2.049	2.099	-	-2.4	20	150	0
2-Chlorophenol	1.288	1.248	-	3.1	20	145	0
Phenol-d6	1.583	1.673	-	-5.7	20	158	0
Phenol	1.642	1.765	-	-7.5	20	158	0
Bis(2-chloroethyl)ether	1.348	1.337	-	0.8	20	146	0
1,3-Dichlorobenzene	1.546	1.442	-	6.7	20	138	0
1,4-Dichlorobenzene	1.565	1.5	-	4.2	20	143	0
1,2-Dichlorobenzene	1.522	1.439	-	5.5	20	141	0
Benzyl alcohol	1.267	1.465	-	-15.6	20	169	0
Bis(2-chloroisopropyl)ethe	2.166	2.255	-	-4.1	20	156	0
2-Methylphenol	1.183	1.225	-	-3.6	20	151	0
Hexachloroethane	0.623	0.622	-	0.2	20	153	0
n-Nitrosodi-n-propylamine	1.057	1.25	-	-18.3	20	168	0
3-Methylphenol/4-Methylphe	1.279	1.295	-	-1.3	20	149	0
Nitrobenzene-d5	1.619	1.869	-	-15.4	20	172	0
Nitrobenzene	1.643	1.822	-	-10.9	20	167	0
Isophorone	2.76	3.354	-	-21.5*	20	172	0
2-Nitrophenol	0.692	0.724	-	-4.6	20	150	0
2,4-Dimethylphenol	1.301	1.451	-	-11.5	20	163	0
Bis(2-chloroethoxy)methane	1.778	1.832	-	-3	20	152	0
2,4-Dichlorophenol	1.233	1.215	-	1.5	20	142	0
1,2,4-Trichlorobenzene	1.51	1.374	-	9	20	140	0
IS1_Naphthalene-d8	1	1	-	0	20	143	0
Naphthalene	1.147	0.985	-	14.1	20	140	0
Benzoic Acid	5	4.783	-	4.3	20	146	0
4-Chloroaniline	0.169	0.179	-	-5.9	20	163	0
Hexachlorobutadiene	0.303	0.26	-	14.2	20	142	0
p-Chloro-m-cresol	0.343	0.375	-	-9.3	20	167	0
2-Methylnaphthalene	0.764	0.66	-	13.6	20	137	0
1-Methylnaphthalene	0.29	0.297	-	-2.4	20	160	0
Hexachlorocyclopentadiene	0.336	0.312	-	7.1	20	144	0
2,4,6-Trichlorophenol	0.301	0.271	-	10	20	137	0
2,4,5-Trichlorophenol	0.322	0.298	-	7.5	20	138	0
2-Fluorobiphenyl	1.027	0.855	-	16.7	20	133	0
2-Chloronaphthalene	0.813	0.742	-	8.7	20	144	0
2-Nitroaniline	0.245	0.22	-	10.2	20	135	0
1,4-Dinitrobenzene	0.129	0.128	-	0.8	20	150	0
1,3-Dinitrobenzene	0.147	0.139	-	5.4	20	140	0
Dimethyl phthalate	0.989	0.932	-	5.8	20	145	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV106	**Calibration Date**	: 08/27/24 06:53		
Lab File ID	: ABN0827	**Init. Calib. Date(s)**	: 06/24/24	06/25/24	
Sample No	: WG1964242-3	**Init. Calib. Times**	: 16:56	04:24	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.244	1.076	-	13.5	20	132	0
2,6-Dinitrotoluene	0.213	0.203	-	4.7	20	141	0
1,2-Dinitrobenzene	0.091	0.087	-	4.4	20	141	0
IS1_Acenaphthene-d10	1	1	-	0	20	149	0
3-Nitroaniline	0.319	0.304	-	4.7	20	142	0
Acenaphthene	1.153	0.995	-	13.7	20	142	0
2,4-Dinitrophenol	0.213	0.209	-	1.9	20	144	0
Dibenzofuran	1.936	1.666	-	13.9	20	142	0
2,4-Dinitrotoluene	0.475	0.421	-	11.4	20	136	0
4-Nitrophenol	0.323	0.376	-	-16.4	20	183	0
2,3,5,6-Tetrachlorophenol	0.452	0.412	-	8.8	20	140	0
2,3,4,6-Tetrachlorophenol	0.435	0.397	-	8.7	20	137	0
Diethyl phthalate	1.529	1.418	-	7.3	20	150	0
Fluorene	1.523	1.255	-	17.6	20	133	0
4-Chlorophenyl phenyl ethe	0.801	0.653	-	18.5	20	138	0
4-Nitroaniline	0.333	0.276	-	17.1	20	133	0
4,6-Dinitro-o-cresol	0.266	0.286	-	-7.5	20	153	0
NDPA/DPA	1.263	1.113	-	11.9	20	139	0
Azobenzene	1.446	1.497	-	-3.5	20	166	0
2,4,6-Tribromophenol	0.249	0.205	-	17.7	20	125	0
4-Bromophenyl phenyl ether	0.5	0.414	-	17.2	20	136	0
Hexachlorobenzene	0.569	0.455	-	20	20	134	0
Pentachlorophenol	0.361	0.324	-	10.2	20	130	0
IS1_Phenanthrene-d10	1	1	-	0	20	143	0
Phenanthrene	1.117	0.963	-	13.8	20	140	0
Anthracene	1.111	0.991	-	10.8	20	139	0
Carbazole	1.018	0.876	-	13.9	20	135	0
Di-n-butylphthalate	1.195	1.181	-	1.2	20	150	0
Fluoranthene	1.366	1.163	-	14.9	20	135	0
Benzidine	0.741	0.772	-	-4.2	20	151	0
Pyrene	1.44	1.226	-	14.9	20	135	0
4-Terphenyl-d14	1.076	0.879	-	18.3	20	131	0
Butyl benzyl phthalate	0.55	0.557	-	-1.3	20	159	0
IS1_Chrysene-d12	1	1	-	0	20	141	0
Benzo(a)anthracene	1.478	1.253	-	15.2	20	135	0
3,3'-Dichlorobenzidine	0.489	0.466	-	4.7	20	135	0
Chrysene	1.429	1.194	-	16.4	20	134	0
Bis(2-ethylhexyl)phthalate	0.817	0.876	-	-7.2	20	155	0
Di-n-octylphthalate	1.352	1.513	-	-11.9	20	165	0
Benzo(b)fluoranthene	1.43	1.174	-	17.9	20	134	0
Benzo(k)fluoranthene	1.356	1.216	-	10.3	20	135	0
Benzo(a)pyrene	1.242	1.107	-	10.9	20	135	0
IS1_Perylene-d12	1	1	-	0	20	141	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 06:53	
Lab File ID	: ABN0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-3		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.082	1.222	-	-12.9	20	165	0
Dibenzo(a,h)anthracene	1.042	0.986	-	5.4	20	139	0
Benzo(ghi)perylene	0.964	0.956	-	0.8	20	143	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 07:17	
Lab File ID	: AP90827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-4		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	113	0
Benzaldehyde	1.187	1.094	-	7.8	20	106	0
Acetophenone	2.158	1.959	-	9.2	20	104	0
m-Toluidine	1.957	1.83	-	6.5	20	107	0
2-Chloroaniline	1.709	1.43	-	16.3	20	96	0
IS2_Naphthalene-d8	1	1	-	0	20	111	0
a-Terpineol	0.4	0.383	-	4.3	20	107	0
3-Chloroaniline	0.201	0.205	-	-2	20	114	0
2,6-Dichlorophenol	0.362	0.312	-	13.8	20	92	0
1-chloro-2-nitrobenzene	0.18	0.176	-	2.2	20	105	0
Caprolactam	0.21	0.21	-	0	20	103	0
1,2,4,5-Tetrachlorobenzene	0.548	0.42	-	23.4*	20	88	0
Biphenyl	1.084	0.842	-	22.3*	20	88	0
IS2_Acenaphthene-d10	1	1	-	0	20	112	0
Dichloran	0.247	0.181	-	26.7*	20	77	0
Pentachloronitrobenzene	0.27	0.228	-	15.6	20	88	0
IS2_Phenanthrene-d10	1	1	-	0	20	102	0
Diphenamid	0.561	0.449	-	20	20	80	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: SV106		**Calibration Date**	: 08/27/24 07:40	
Lab File ID	: ADP0827		**Init. Calib. Date(s)**	: 06/24/24	06/25/24
Sample No	: WG1964242-5		**Init. Calib. Times**	: 16:56	04:24
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	128	0
1,4-Dioxane	0.584	0.63	-	-7.9	20	164	0
n-Decane	1.662	1.875	-	-12.8	20	155	0
IS3_Acenaphthene-d10	1	1	-	0	20	131	0
Atrazine	0.509	0.45	-	11.6	20	127	0
IS3_Phenanthrene-d10	1	1	-	0	20	119	0
n-Octadecane	0.498	0.543	-	-9	20	140	0
Parathion	0.124	0.139	-	-12.1	20	147	0
3,3'-Dimethylbenzidine	0.791	0.879	-	-11.1	20	130	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	133	0.00
2	t	n-Nitrosodimethylamine		0.851	0.943	-10.8	162	0.00
3	t	Pyridine		1.392	1.432	-2.9	149	0.00
4	S	2-Fluorophenol		1.156	1.168	-1.0	144	0.00
5	T	Aniline		2.049	2.099	-2.4	150	0.00
6	t	2-Chlorophenol		1.288	1.248	3.1	145	0.00
7	S	Phenol-d6		1.583	1.673	-5.7	158	0.00
8	T	Phenol		1.642	1.765	-7.5	158	0.00
9	T	Bis(2-chloroethyl)ether		1.348	1.337	0.8	146	0.00
10	T	1,3-Dichlorobenzene		1.546	1.442	6.7	138	0.00
11	T	1,4-Dichlorobenzene		1.565	1.500	4.2	143	0.00
12	T	1,2-Dichlorobenzene		1.522	1.439	5.5	141	0.00
13	t	Benzyl alcohol		1.267	1.465	-15.6	169	0.00
14	T	Bis(2-chloroisopropyl)ether		2.166	2.255	-4.1	156	0.00
15	T	2-Methylphenol		1.183	1.225	-3.6	151	0.00
16	T	Hexachloroethane		0.623	0.622	0.2	153	0.00
17	T	n-Nitrosodi-n-propylamine		1.057	1.250	-18.3	168	0.00
18	T	3-Methylphenol/4-Methylphen		1.279	1.295	-1.3	149	0.00
19	S	Nitrobenzene-d5		1.619	1.869	-15.4	172	0.00
20	T	Nitrobenzene		1.643	1.822	-10.9	167	0.00
21	T	Isophorone		2.760	3.354	-21.5#	172	0.00
22	T	2-Nitrophenol		0.692	0.724	-4.6	150	0.00
23	T	2,4-Dimethylphenol		1.301	1.451	-11.5	163	0.00
24	T	Bis(2-chloroethoxy)methane		1.778	1.832	-3.0	152	0.00
25	T	2,4-Dichlorophenol		1.233	1.215	1.5	142	0.00
26	T	1,2,4-Trichlorobenzene		1.510	1.374	9.0	140	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	143	0.00
36	T	Naphthalene		1.147	0.985	14.1	140	0.00
37	T	Benzoic Acid	*	5.000	4.783	4.3	146	0.00
38	T	4-Chloroaniline		0.169	0.179	-5.9	163	0.00
39	T	Hexachlorobutadiene		0.303	0.260	14.2	142	0.00
40	T	p-Chloro-m-cresol		0.343	0.375	-9.3	167	0.00
41	T	2-Methylnaphthalene		0.764	0.660	13.6	137	0.00
42	T	1-Methylnaphthalene		0.290	0.297	-2.4	160	0.00
43	T	Hexachlorocyclopentadiene		0.336	0.312	7.1	144	0.00
44	T	2,4,6-Trichlorophenol		0.301	0.271	10.0	137	0.00
45	T	2,4,5-Trichlorophenol		0.322	0.298	7.5	138	0.00
46	S	2-Fluorobiphenyl		1.027	0.855	16.7	133	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene	0.813	0.742	8.7	144	0.00
48	T	2-Nitroaniline	0.245	0.220	10.2	135	0.00
49	T	1,4-Dinitrobenzene	0.129	0.128	0.8	150	0.00
50	T	1,3-Dinitrobenzene	0.147	0.139	5.4	140	0.00
51	T	Dimethyl phthalate	0.989	0.932	5.8	145	0.00
52	T	Acenaphthylene	1.244	1.076	13.5	132	0.00
53	T	2,6-Dinitrotoluene	0.213	0.203	4.7	141	0.00
54	T	1,2-Dinitrobenzene	0.091	0.087	4.4	141	0.00
63	I	IS1_Acenaphthene-d10	1.000	1.000	0.0	149	0.00
64	T	3-Nitroaniline	0.319	0.304	4.7	142	0.00
65	T	Acenaphthene	1.153	0.995	13.7	142	0.00
66	T	2,4-Dinitrophenol	0.213	0.209	1.9	144	0.00
67	T	Dibenzofuran	1.936	1.666	13.9	142	0.00
68	T	2,4-Dinitrotoluene	0.475	0.421	11.4	136	0.00
69	T	4-Nitrophenol	0.323	0.376	-16.4	183	0.00
70	T	2,3,5,6-Tetrachlorophenol	0.452	0.412	8.8	140	0.00
71	T	2,3,4,6-Tetrachlorophenol	0.435	0.397	8.7	137	0.00
72	T	Diethyl phthalate	1.529	1.418	7.3	150	0.00
73	T	Fluorene	1.523	1.255	17.6	133	0.00
74	T	4-Chlorophenyl phenyl ether	0.801	0.653	18.5	138	0.00
75	T	4-Nitroaniline	0.333	0.276	17.1	133	0.00
76	T	4,6-Dinitro-o-cresol	0.266	0.286	-7.5	153	0.00
77	T	NDPA/DPA	1.263	1.113	11.9	139	0.00
78	T	Azobenzene	1.446	1.497	-3.5	166	0.00
79	S	2,4,6-Tribromophenol	0.249	0.205	17.7	125	0.00
80	T	4-Bromophenyl phenyl ether	0.500	0.414	17.2	136	0.00
81	T	Hexachlorobenzene	0.569	0.455	20.0	134	0.00
82	T	Pentachlorophenol	0.361	0.324	10.2	130	0.00
88	I	IS1_Phenanthrene-d10	1.000	1.000	0.0	143	0.00
89	T	Phenanthrene	1.117	0.963	13.8	140	0.00
90	T	Anthracene	1.111	0.991	10.8	139	0.00
91	T	Carbazole	1.018	0.876	13.9	135	0.00
92	T	Di-n-butylphthalate	1.195	1.181	1.2	150	0.00
93	T	Fluoranthene	1.366	1.163	14.9	135	0.00
94	T	Benzidine	0.741	0.772	-4.2	151	0.00
95	T	Pyrene	1.440	1.226	14.9	135	0.00
96	S	4-Terphenyl-d14	1.076	0.879	18.3	131	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	0.550	0.557	-1.3	159	0.00
104	I	IS1_Chrysene-d12	1.000	1.000	0.0	141	0.00
105	T	Benzo(a)anthracene	1.478	1.253	15.2	135	0.00
106	T	3,3'-Dichlorobenzidine	0.489	0.466	4.7	135	0.00
107	T	Chrysene	1.429	1.194	16.4	134	0.00
108	T	Bis(2-ethylhexyl)phthalate	0.817	0.876	-7.2	155	0.00
109	T	Di-n-octylphthalate	1.352	1.513	-11.9	165	0.00
110	T	Benzo(b)fluoranthene	1.430	1.174	17.9	134	0.00
111	T	Benzo(k)fluoranthene	1.356	1.216	10.3	135	0.00
112	T	Benzo(a)pyrene	1.242	1.107	10.9	135	0.00
113	I	IS1_Perylene-d12	1.000	1.000	0.0	141	0.00
114	T	Indeno(1,2,3-cd)pyrene	1.082	1.222	-12.9	165	0.00
115	T	Dibenzo(a,h)anthracene	1.042	0.986	5.4	139	0.00
116	T	Benzo(ghi)perylene	0.964	0.956	0.8	143	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.228	152	45917	4.000	ug/ml	# 0.00
35) IS1_Naphthalene-d8	7.669	136	173745	4.000	ug/ml	# 0.00
63) IS1_Acenaphthene-d10	9.434	164	117972	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	10.869	188	251960	4.000	ug/ml	# 0.00
104) IS1_Chrysene-d12	13.480	240	246745	4.000	ug/ml	0.00
113) IS1_Perylene-d12	14.927	264	274826	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	4.151	112	67058	5.053	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.65%#			
7) Phenol-d6	5.863	99	96013	5.285	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 264.25%#			
19) Nitrobenzene-d5	6.898	82	107247	5.772	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 577.20%#			
46) 2-Fluorobiphenyl	8.798	172	185718	4.163	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 416.30%#			
79) 2,4,6-Tribromophenol	10.204	330	30302	4.121	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 206.05%#			
96) 4-Terphenyl-d14	12.445	244	276784	4.085	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 408.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.858	74	54150	5.542	ug/ml#	77
3) Pyridine	1.893	79	82215	5.144	ug/ml#	65
5) Aniline	5.804	93	120479	5.123	ug/ml	93
6) 2-Chlorophenol	5.957	128	71617	4.844	ug/ml	91
8) Phenol	5.881	94	101293	5.375	ug/ml#	85
9) Bis(2-chloroethyl)ether	5.945	93	76767	4.960	ug/ml#	66
10) 1,3-Dichlorobenzene	6.145	146	82757	4.662	ug/ml	97
11) 1,4-Dichlorobenzene	6.245	146	86079	4.792	ug/ml	97
12) 1,2-Dichlorobenzene	6.428	146	82571	4.725	ug/ml	97
13) Benzyl alcohol	6.451	79	84089	5.779	ug/ml#	89
14) Bis(2-chloroisopropyl)...	6.628	45	129432	5.205	ug/ml#	55
15) 2-Methylphenol	6.628	108	70305	5.179	ug/ml	96
16) Hexachloroethane	6.822	117	35728	4.998	ug/ml#	61
17) n-Nitrosodi-n-propylamine	6.775	70	71731	5.912	ug/ml#	85
18) 3-Methylphenol/4-Methy...	6.822	108	74340	5.064	ug/ml#	89
20) Nitrobenzene	6.916	77	104570	5.544	ug/ml#	87
21) Isophorone	7.204	82	192502	6.076	ug/ml#	88
22) 2-Nitrophenol	7.281	139	41558	5.233	ug/ml#	77

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.392	107	83301	5.576	ug/ml	87
24) Bis(2-chloroethoxy)met...	7.481	93	105145	5.152	ug/ml	99
25) 2,4-Dichlorophenol	7.551	162	69756	4.928	ug/ml	99
26) 1,2,4-Trichlorobenzene	7.628	180	78835	4.548	ug/ml	97
36) Naphthalene	7.692	128	214023	4.297	ug/ml	99
37) Benzoic Acid	7.492	105	57182	4.783	ug/ml	92
38) 4-Chloroaniline	7.781	65	38931	5.302	ug/ml	74
39) Hexachlorobutadiene	7.869	225	56498	4.298	ug/ml	99
40) p-Chloro-m-cresol	8.316	107	81343	5.466	ug/ml	85
41) 2-Methylnaphthalene	8.410	142	143304	4.317	ug/ml#	89
42) 1-Methylnaphthalene	8.504	115	64403	5.109	ug/ml#	63
43) Hexachlorocyclopentadiene	8.592	237	67838	4.652	ug/ml	98
44) 2,4,6-Trichlorophenol	8.716	196	58808M3	4.505	ug/ml	
45) 2,4,5-Trichlorophenol	8.745	196	64822	4.637	ug/ml	97
47) 2-Chloronaphthalene	8.892	162	161105	4.564	ug/ml	97
48) 2-Nitroaniline	9.010	138	47771	4.492	ug/ml#	75
49) 1,4-Dinitrobenzene	9.145	168	27722	4.953	ug/ml	84
50) 1,3-Dinitrobenzene	9.216	168	30245	4.742	ug/ml#	1
51) Dimethyl phthalate	9.216	163	202325	4.710	ug/ml#	98
52) Acenaphthylene	9.292	152	233746	4.326	ug/ml	98
53) 2,6-Dinitrotoluene	9.257	165	44048	4.762	ug/ml	96
54) 1,2-Dinitrobenzene	9.298	168	18937	4.801	ug/ml#	1
64) 3-Nitroaniline	9.410	138	44757	4.752	ug/ml#	73
65) Acenaphthene	9.463	154	146705	4.315	ug/ml	95
66) 2,4-Dinitrophenol	9.516	184	30765	4.891	ug/ml#	91
67) Dibenzofuran	9.639	168	245720	4.303	ug/ml	99
68) 2,4-Dinitrotoluene	9.645	165	62100	4.434	ug/ml#	80
69) 4-Nitrophenol	9.610	65	55505m	5.819	ug/ml	
70) 2,3,5,6-Tetrachlorophenol	9.733	232	60735	4.554	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	9.775	232	58543	4.564	ug/ml	98
72) Diethyl phthalate	9.910	149	209053	4.634	ug/ml	99
73) Fluorene	9.969	166	185043	4.121	ug/ml	96
74) 4-Chlorophenyl phenyl ...	9.992	204	96307	4.075	ug/ml	95
75) 4-Nitroaniline	9.998	138	40742	4.155	ug/ml#	52
76) 4,6-Dinitro-o-cresol	10.039	198	42245	5.382	ug/ml#	75
77) NDPA/DPA	10.110	169	164129	4.408	ug/ml	98
78) Azobenzene	10.139	77	220810	5.178	ug/ml	98
80) 4-Bromophenyl phenyl e...	10.463	248	61036	4.139	ug/ml	91
81) Hexachlorobenzene	10.510	284	67109	4.001	ug/ml#	84
82) Pentachlorophenol	10.704	266	47811	4.488	ug/ml	99
89) Phenanthrene	10.892	178	303415	4.312	ug/ml	99

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	10.939	178	312262	4.463	ug/ml	99
91)	Carbazole	11.110	167	276036	4.306	ug/ml	98
92)	Di-n-butylphthalate	11.510	149	372074	4.942	ug/ml	99
93)	Fluoranthene	12.039	202	366224	4.257	ug/ml#	92
94)	Benzidine	12.198	184	243249	5.208	ug/ml#	95
95)	Pyrene	12.251	202	386127	4.257	ug/ml	99
97)	Butyl benzyl phthalate	12.969	149	175452	5.063	ug/ml	97
105)	Benzo(a)anthracene	13.469	228	386407	4.238	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.474	252	143628	4.761	ug/ml#	97
107)	Chrysene	13.504	228	368189	4.177	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.604	149	270240	5.361	ug/ml#	91
109)	Di-n-octylphthalate	14.274	149	466804	5.595	ug/ml#	78
110)	Benzo(b)fluoranthene	14.563	252	362179	4.105	ug/ml#	92
111)	Benzo(k)fluoranthene	14.592	252	375057	4.483	ug/ml#	92
112)	Benzo(a)pyrene	14.874	252	341290	4.456	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	15.886	276	419800	5.647	ug/mL#	82
115)	Dibenzo(a,h)anthracene	15.910	278	338689	4.732	ug/ml#	88
116)	Benzo(ghi)perylene	16.115	276	328251	4.955	ug/ml#	83

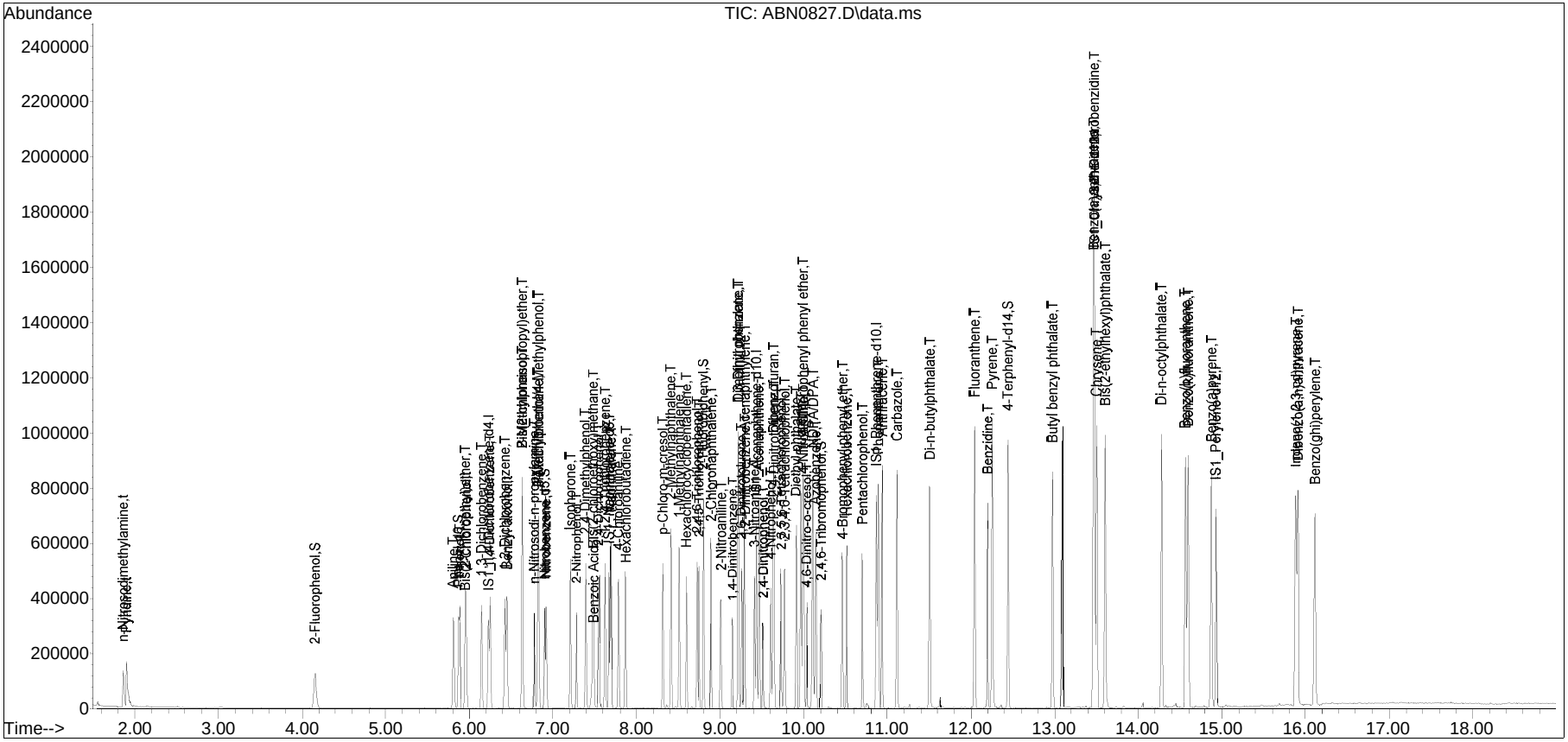
(#) = qualifier out of range (m) = manual integration (+) = signals summed

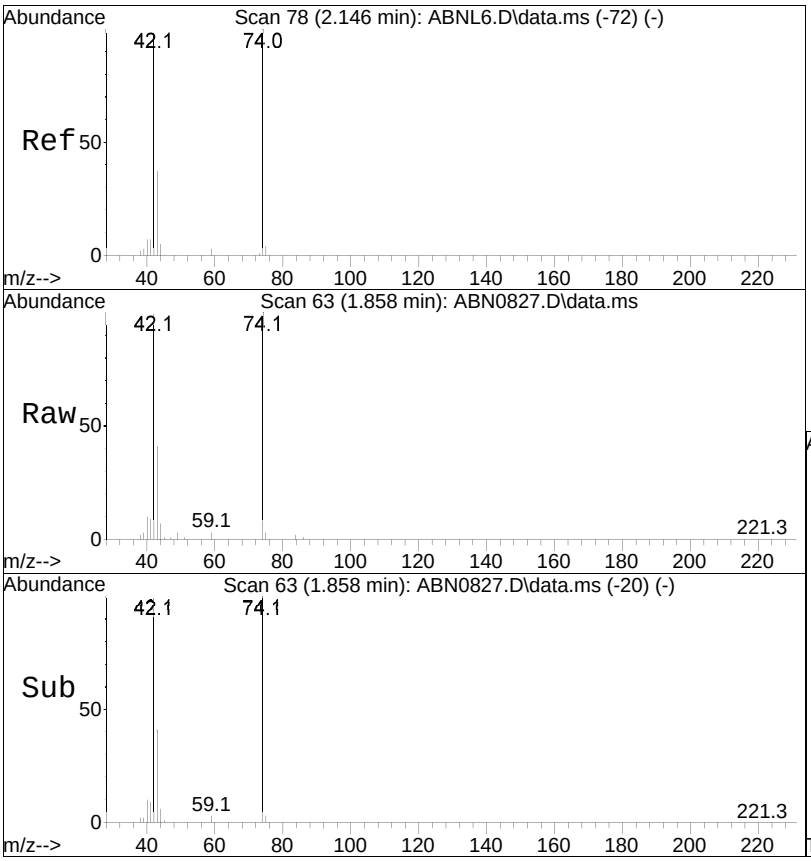
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : ABN0827.D
Acq On : 27 Aug 2024 6:53 am
Operator : SV106:im
Sample : WG1964242-3,32,,ABN 10908 kmh0802C
Misc : WG1964242,,ical21231
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Aug 27 13:29:38 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:28:57 2024
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

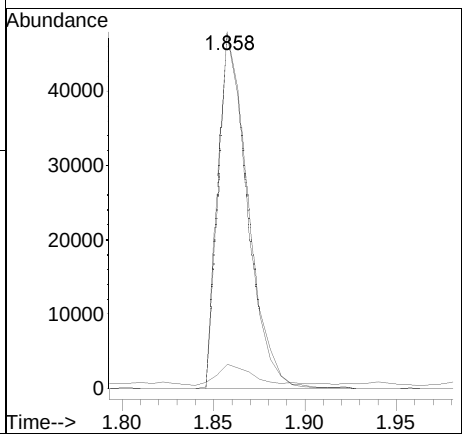


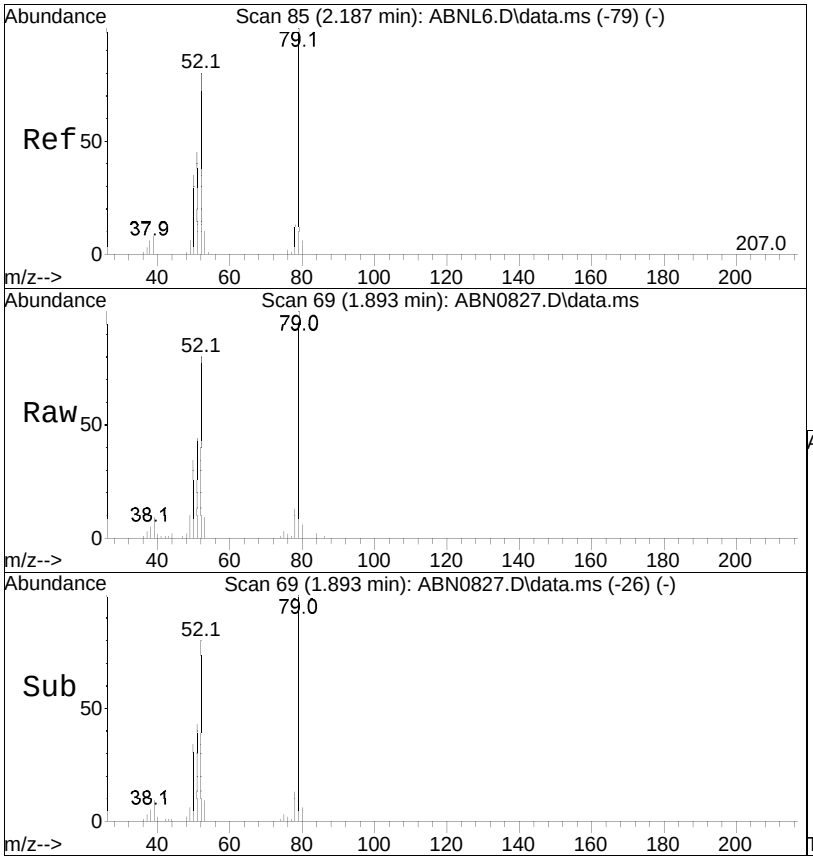


#2
n-Nitrosodimethylamine
Concen: 5.54 ug/ml
RT: 1.858 min Scan# 63
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 74 Resp: 54150

Ion	Ratio	Lower	Upper
74	100		
42	97.9	100.0	150.0#
44	7.1	6.7	10.1

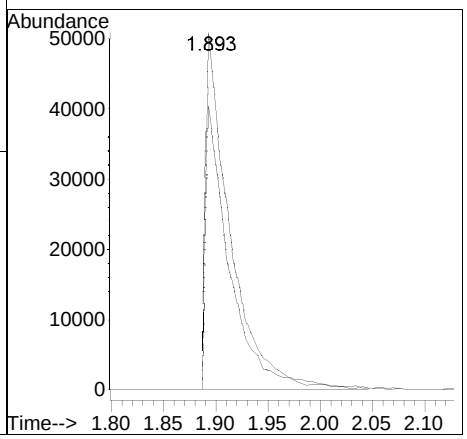


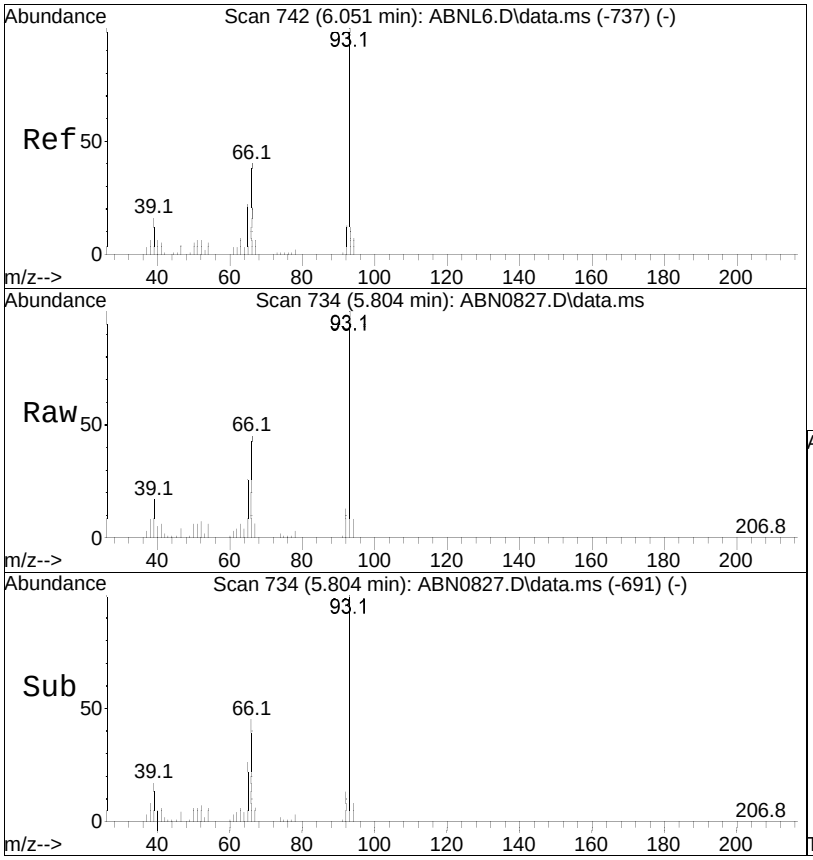


#3
Pyridine
Concen: 5.14 ug/ml
RT: 1.893 min Scan# 69
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 79 Resp: 82215

Ion	Ratio	Lower	Upper
79	100		
52	78.0	93.1	139.7#

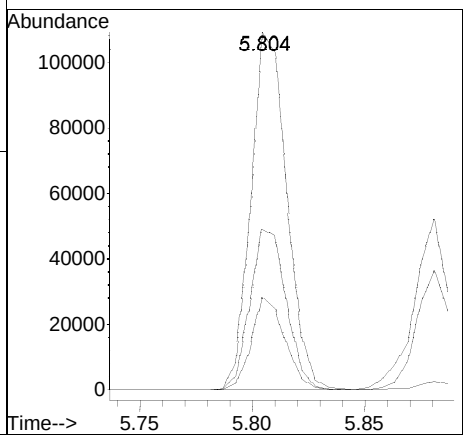


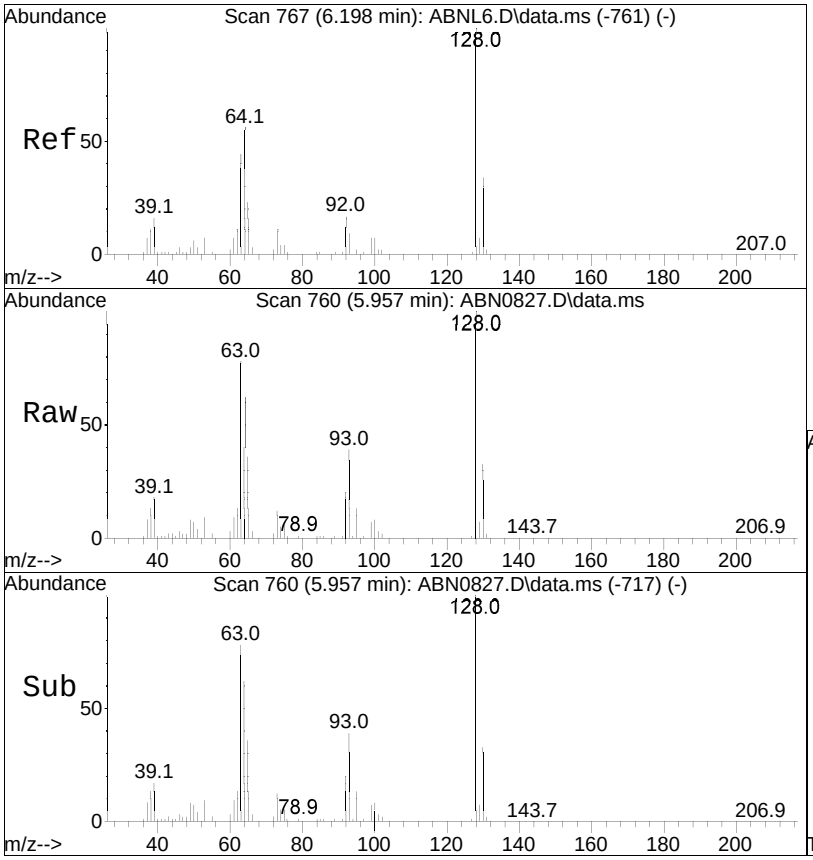


#5
Aniline
Concen: 5.12 ug/ml
RT: 5.804 min Scan# 734
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 93 Resp: 120479

Ion	Ratio	Lower	Upper
93	100		
66	45.5	32.6	49.0
65	24.3	17.6	26.4

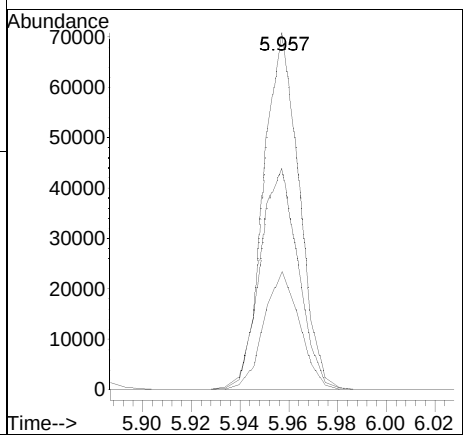


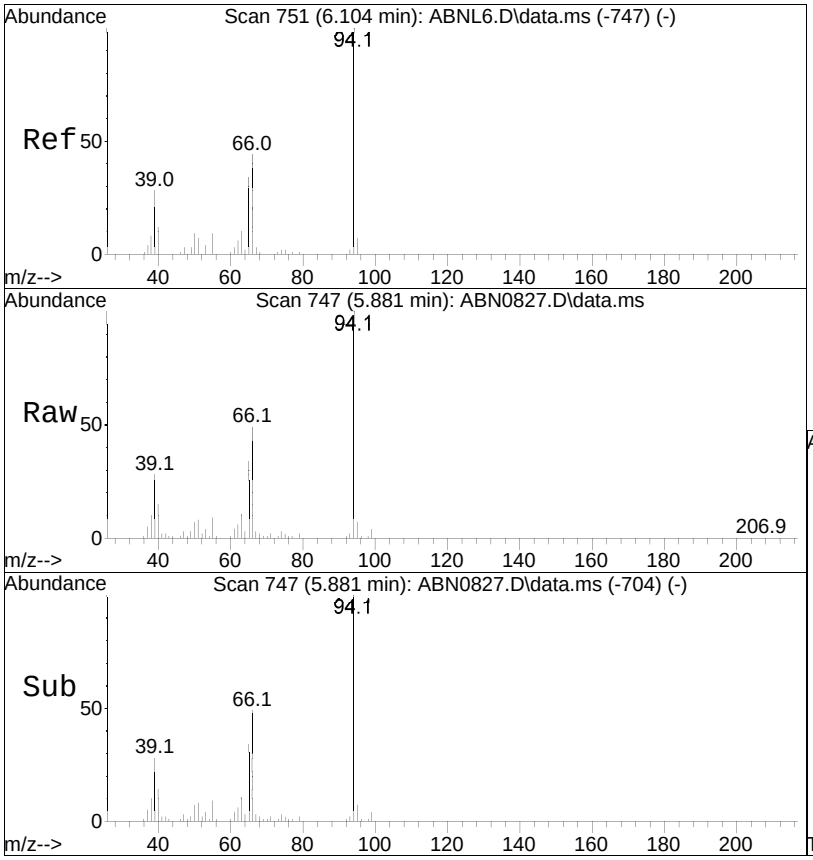


#6
2-Chlorophenol
Concen: 4.84 ug/ml
RT: 5.957 min Scan# 760
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:128 Resp: 71617

Ion	Ratio	Lower	Upper
128	100		
64	66.7	45.1	67.7
130	33.4	26.2	39.4

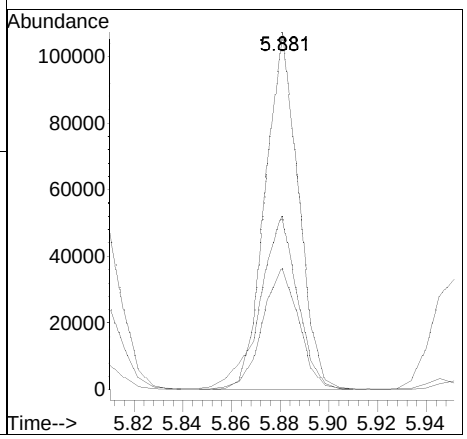


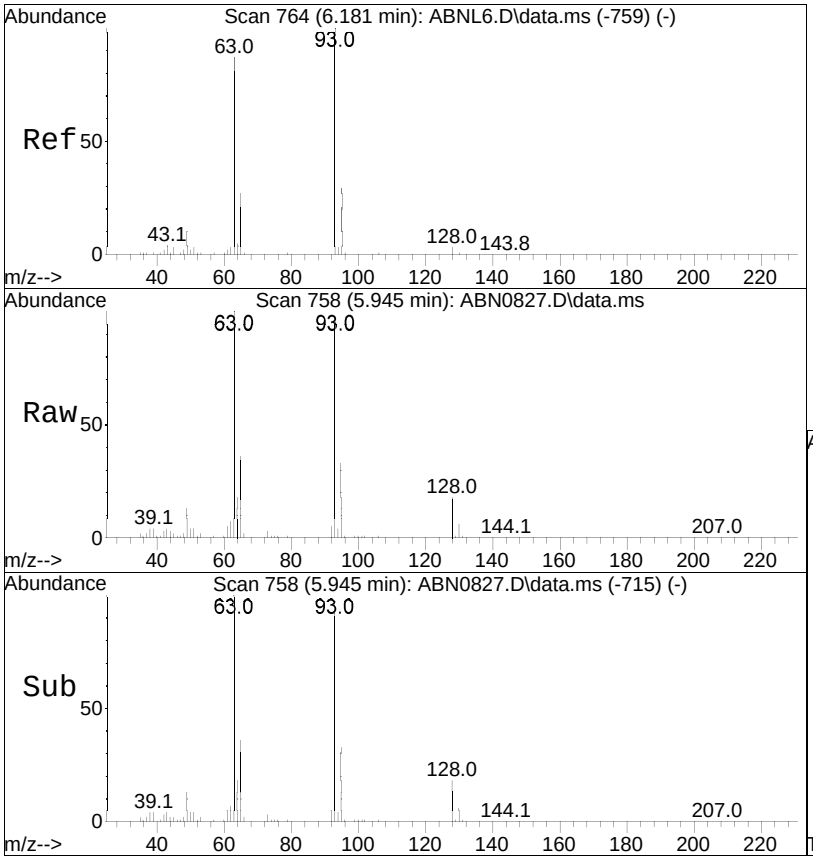


#8
Phenol
Concen: 5.37 ug/ml
RT: 5.881 min Scan# 747
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 94 Resp: 101293

Ion	Ratio	Lower	Upper
94	100		
65	37.4	26.0	39.0
66	55.1	33.8	50.8#

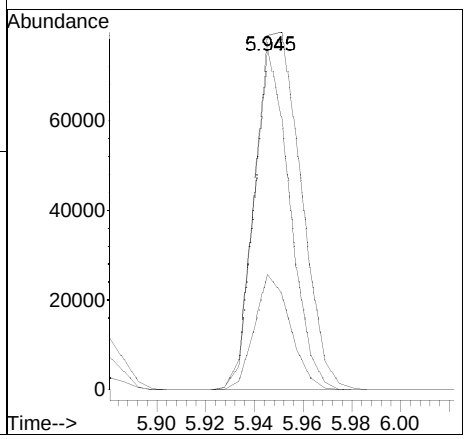


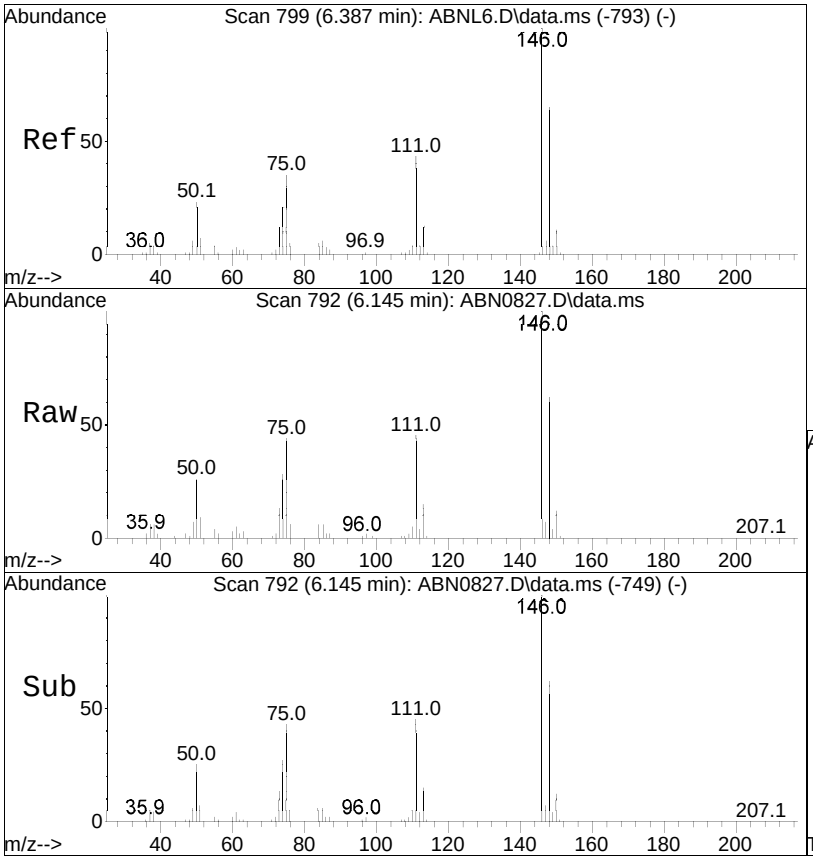


#9
Bis(2-chloroethyl)ether
Concen: 4.96 ug/ml
RT: 5.945 min Scan# 758
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 93 Resp: 76767

Ion	Ratio	Lower	Upper
93	100		
63	135.5	74.6	111.8#
95	34.2	25.9	38.9

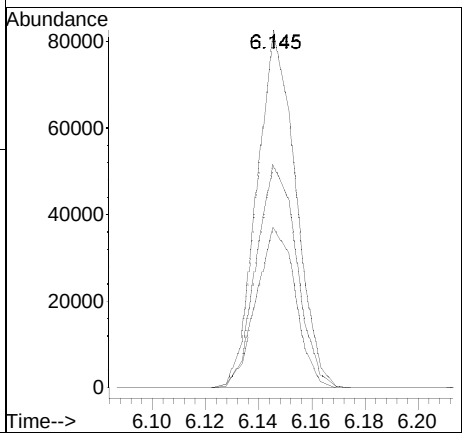


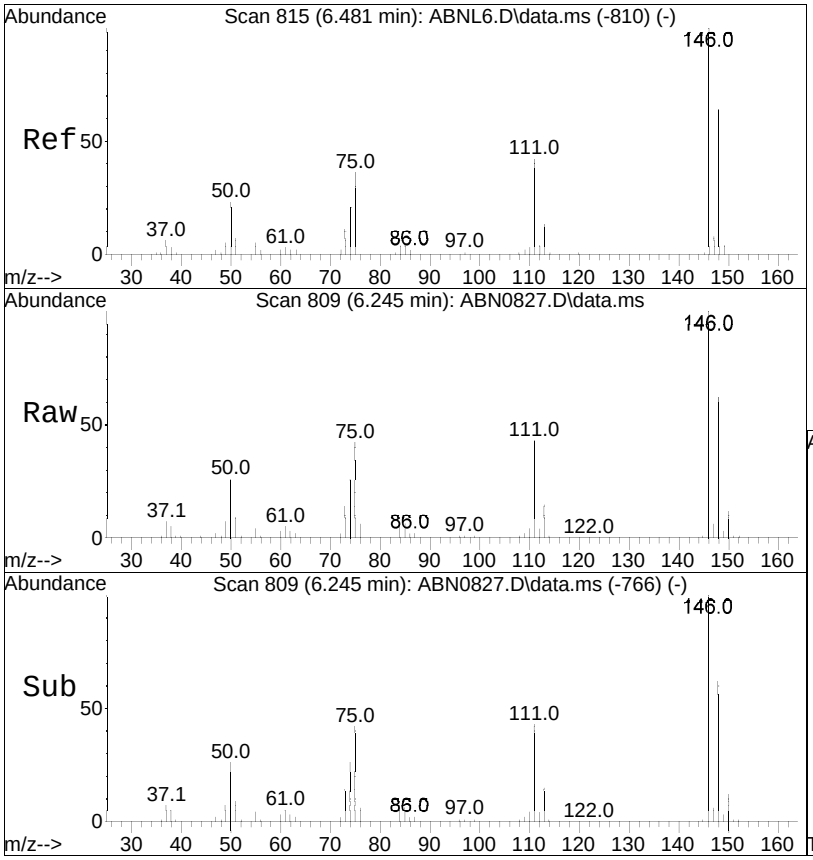


#10
1,3-Dichlorobenzene
Concen: 4.66 ug/ml
RT: 6.145 min Scan# 792
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:146 Resp: 82757

Ion	Ratio	Lower	Upper
146	100		
111	45.6	34.3	51.5
148	64.7	50.8	76.2

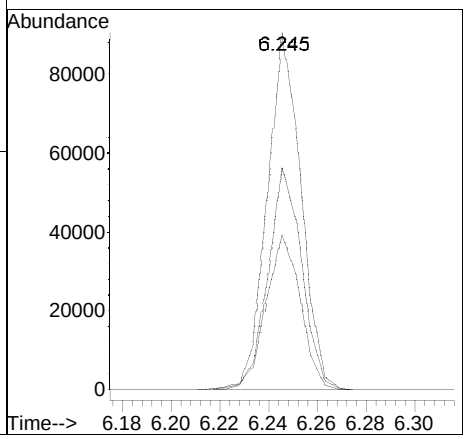


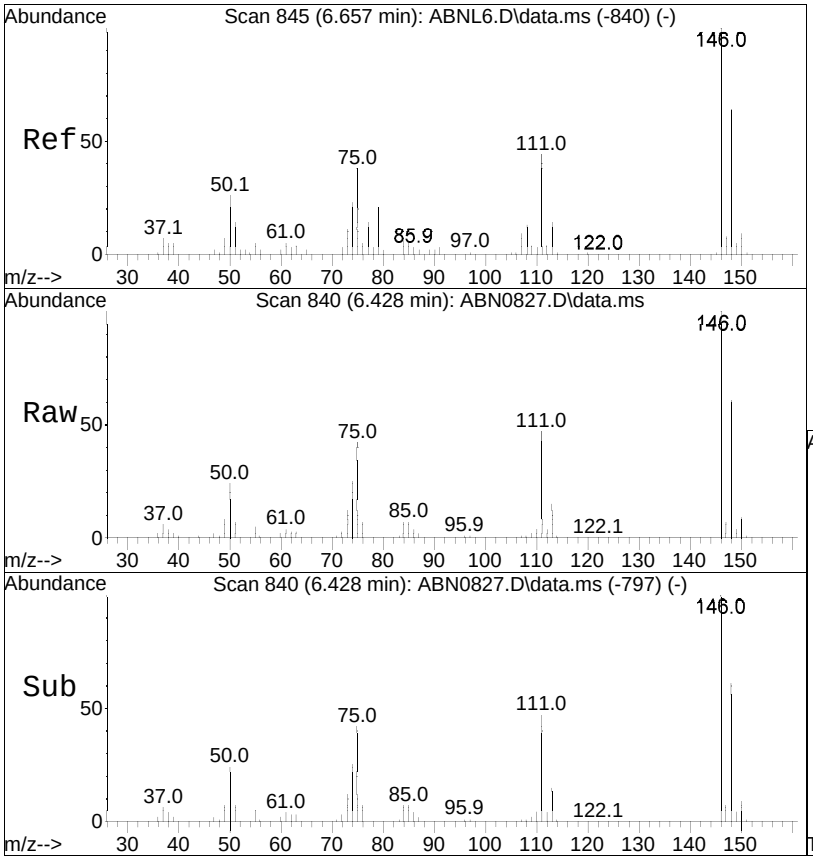


#11
1,4-Dichlorobenzene
Concen: 4.79 ug/ml
RT: 6.245 min Scan# 809
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:146 Resp: 86079

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.7	76.1
111	45.0	33.4	50.0

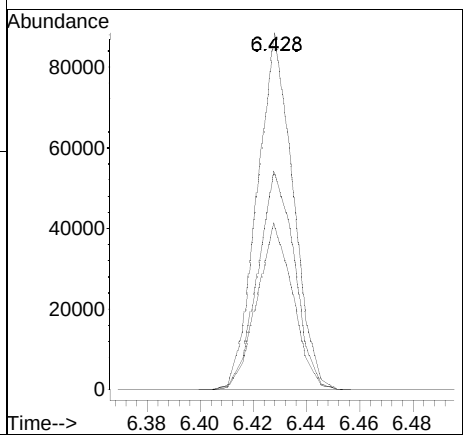


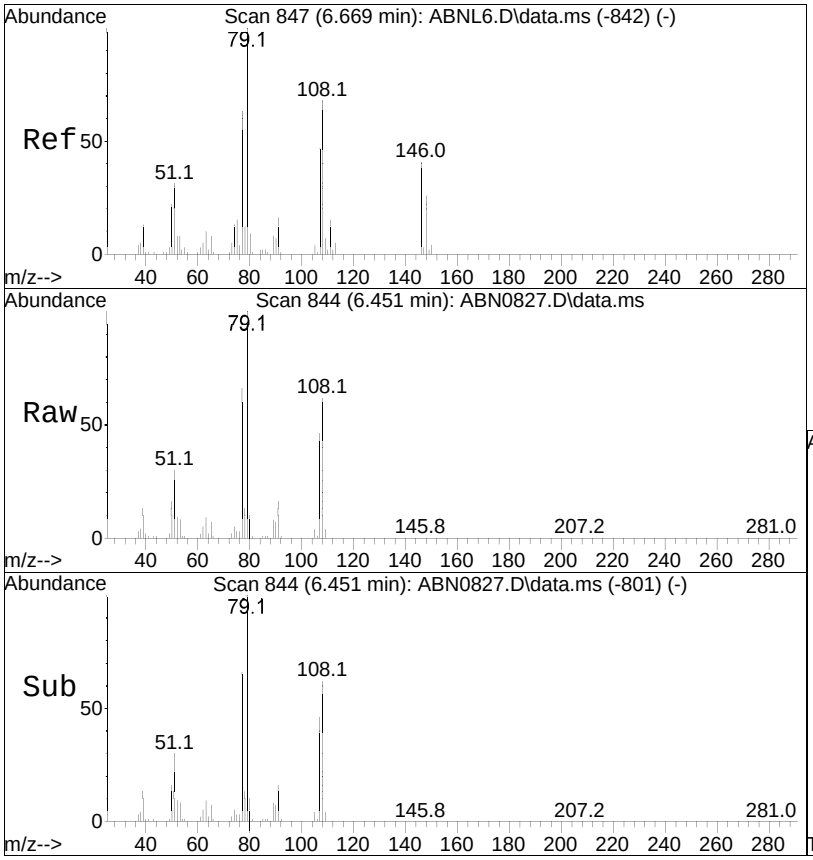


#12
1,2-Dichlorobenzene
Concen: 4.73 ug/ml
RT: 6.428 min Scan# 840
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:146 Resp: 82571

Ion	Ratio	Lower	Upper
146	100		
111	47.0	34.6	52.0
148	62.5	50.2	75.4

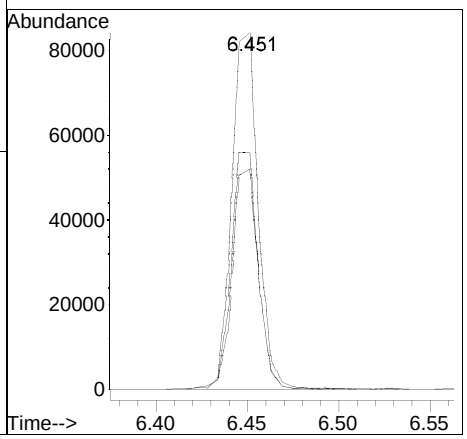


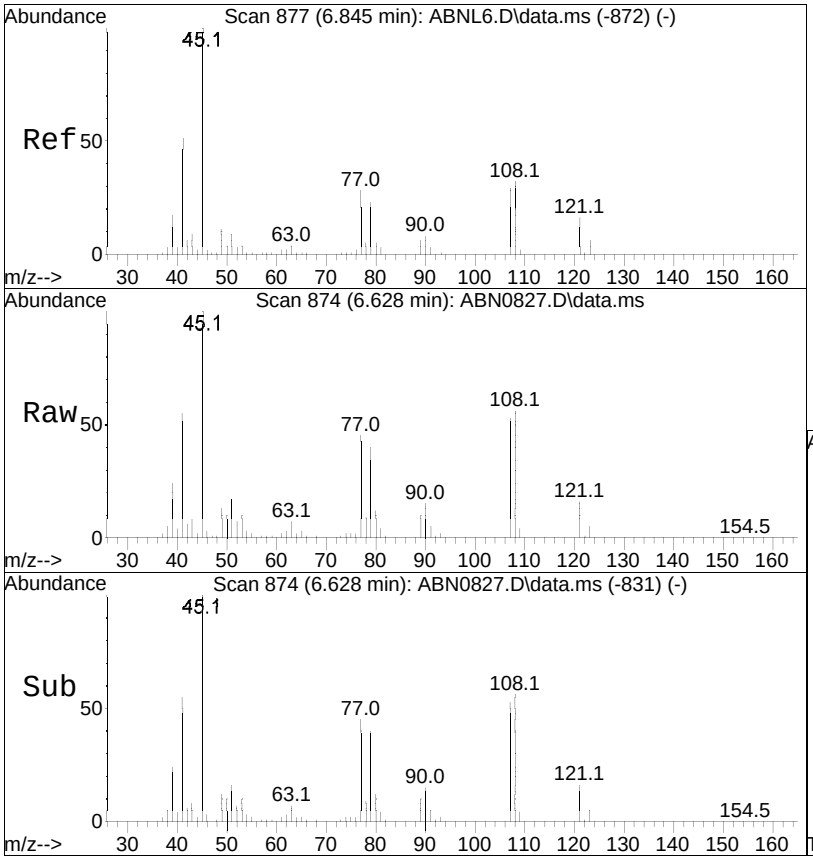


#13
Benzyl alcohol
Concen: 5.78 ug/ml
RT: 6.451 min Scan# 844
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 79 Resp: 84089

Ion	Ratio	Lower	Upper
79	100		
77	67.7	54.9	82.3
108	61.8	63.1	94.7#

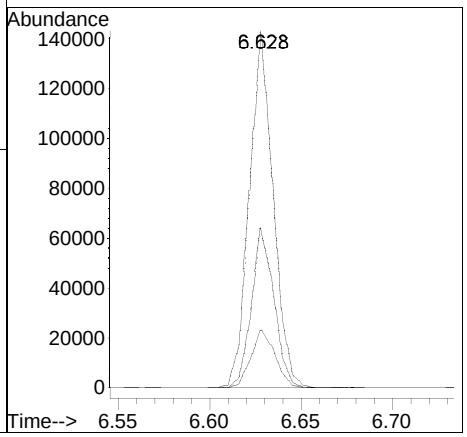


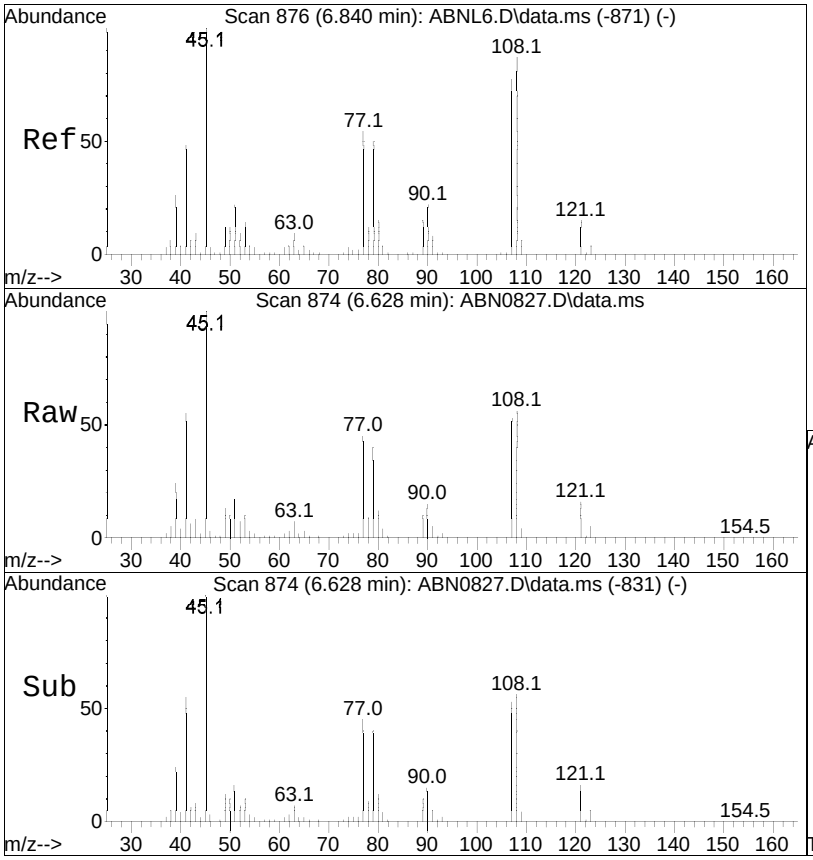


#14
Bis(2-chloroisopropyl)ether
Concen: 5.21 ug/ml
RT: 6.628 min Scan# 874
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 45 Resp: 129432

Ion	Ratio	Lower	Upper
45	100		
121	16.7	9.8	14.6#
77	42.6	6.1	9.1#

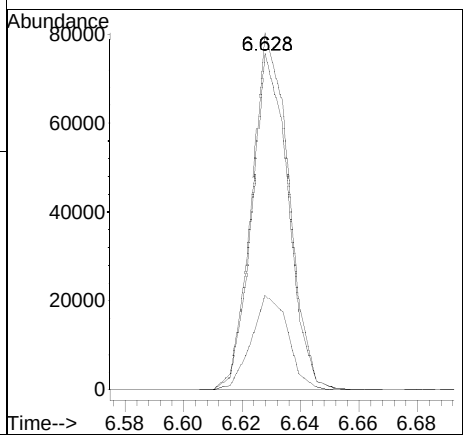


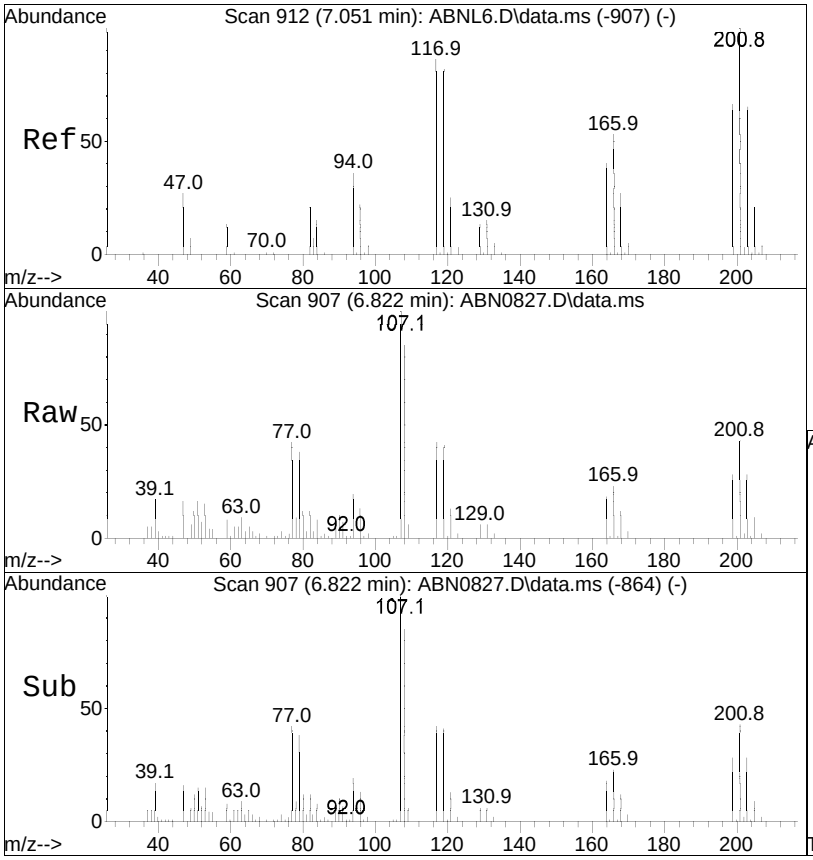


#15
2-Methylphenol
Concen: 5.18 ug/ml
RT: 6.628 min Scan# 874
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:108 Resp: 70305

Ion	Ratio	Lower	Upper
108	100		
107	92.0	70.7	106.1
90	26.4	18.7	28.1

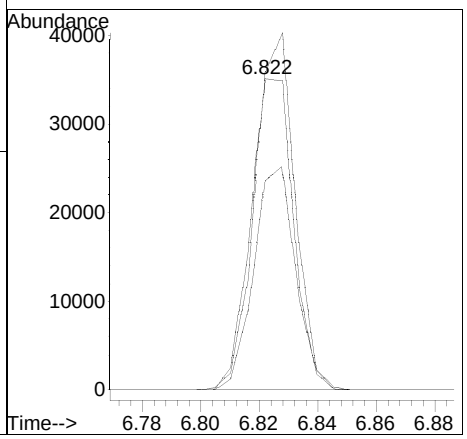


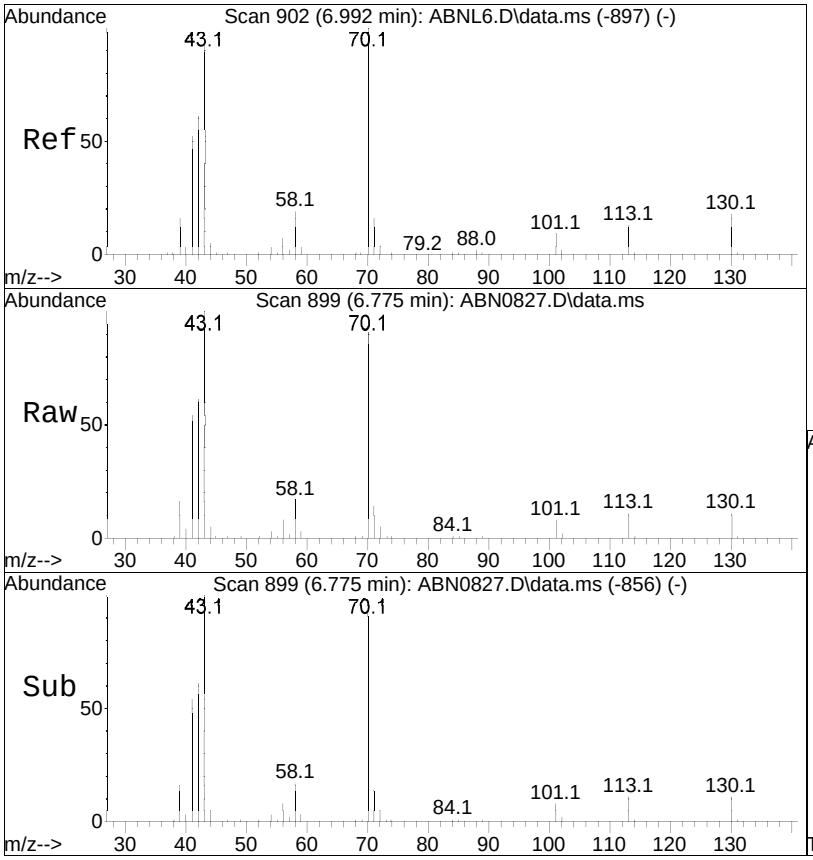


#16
Hexachloroethane
Concen: 5.00 ug/ml
RT: 6.822 min Scan# 907
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:117 Resp: 35728

Ion	Ratio	Lower	Upper
117	100		
201	107.7	58.6	87.8#
199	70.2	36.9	55.3#

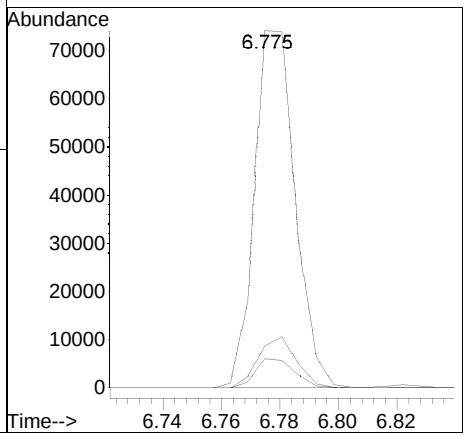


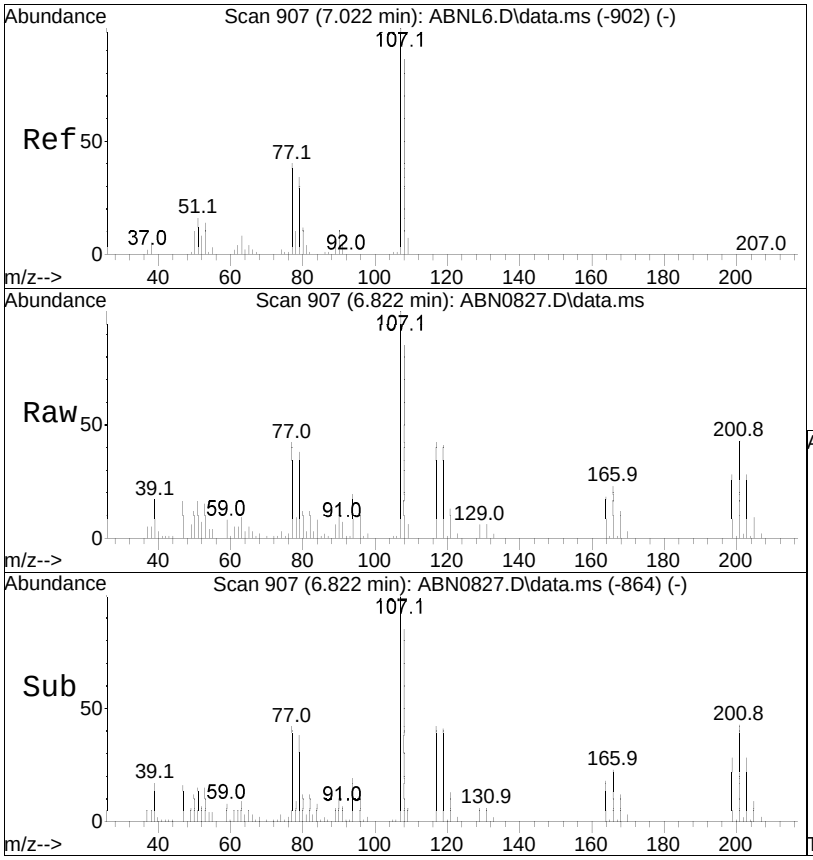


#17
n-Nitrosodi-n-propylamine
Concen: 5.91 ug/ml
RT: 6.775 min Scan# 899
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 70 Resp: 71731

Ion	Ratio	Lower	Upper
70	100		
130	13.5	18.2	27.4#
101	8.0	7.8	11.8

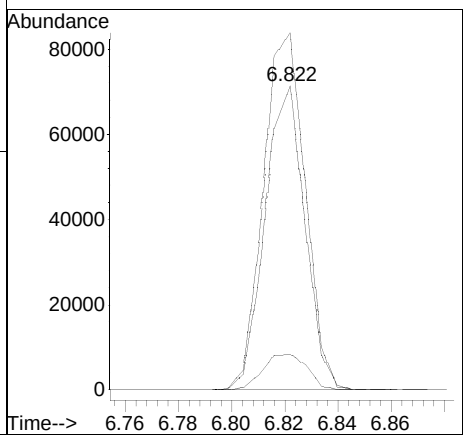


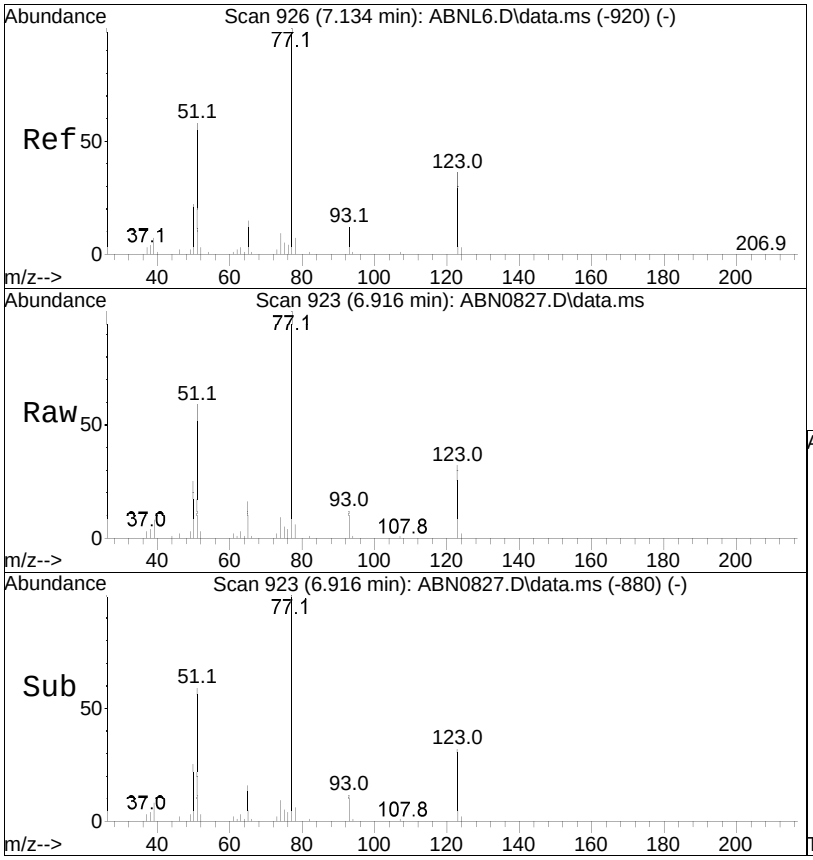


#18
3-Methylphenol/4-Methylphenol
Concen: 5.06 ug/ml
RT: 6.822 min Scan# 907
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:108 Resp: 74340

Ion	Ratio	Lower	Upper
108	100		
107	123.1	88.6	132.8
90	13.2	8.8	13.2#

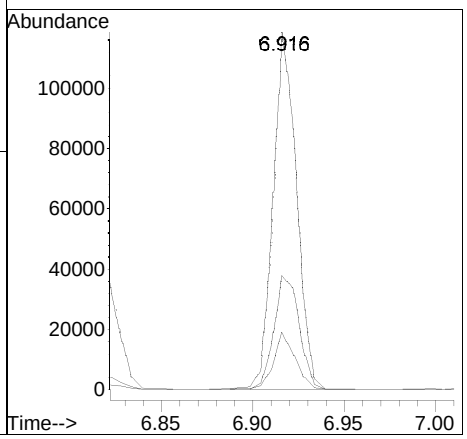


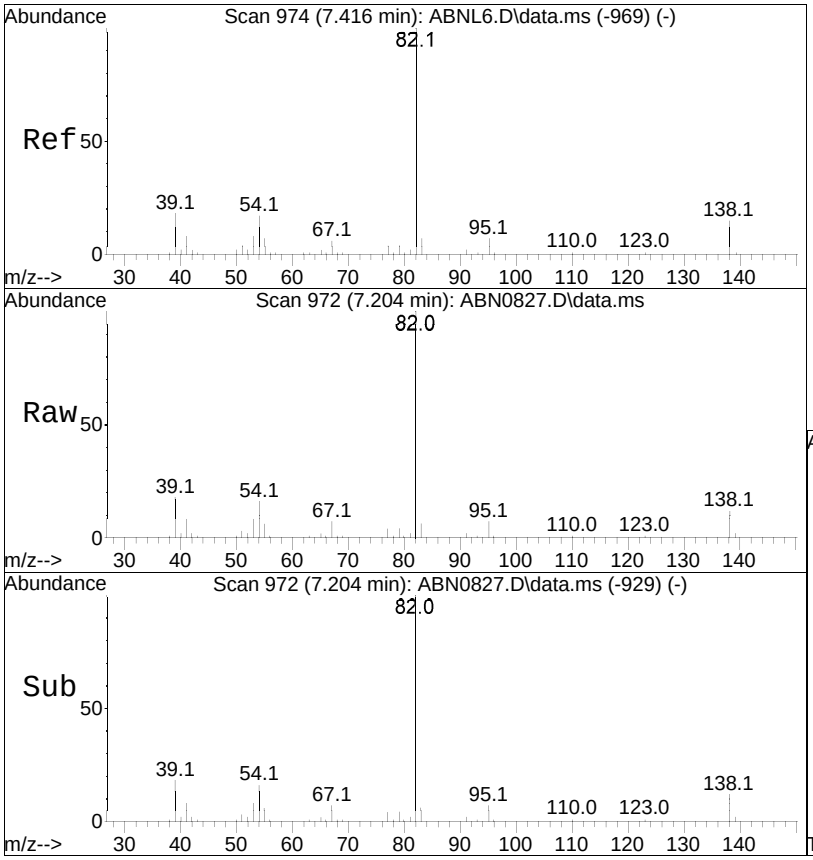


#20
Nitrobenzene
Concen: 5.54 ug/ml
RT: 6.916 min Scan# 923
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 77 Resp: 104570

Ion	Ratio	Lower	Upper
77	100		
123	34.7	36.3	54.5#
65	15.1	11.6	17.4

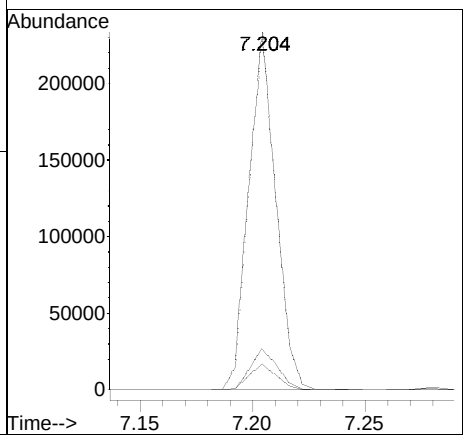


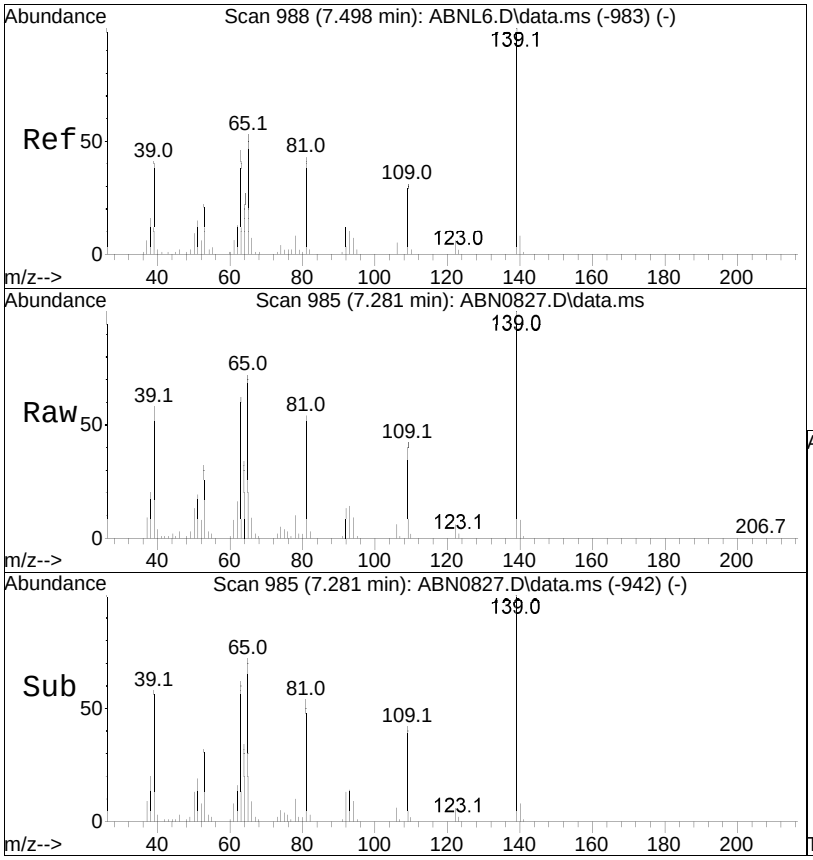


#21
Isophorone
Concen: 6.08 ug/ml
RT: 7.204 min Scan# 972
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 82 Resp: 192502

Ion	Ratio	Lower	Upper
82	100		
138	11.7	14.7	22.1#
95	7.4	5.2	7.8

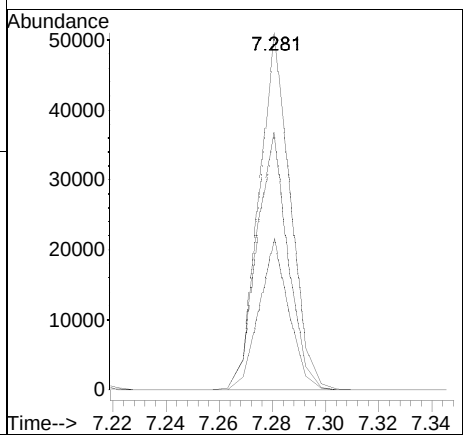


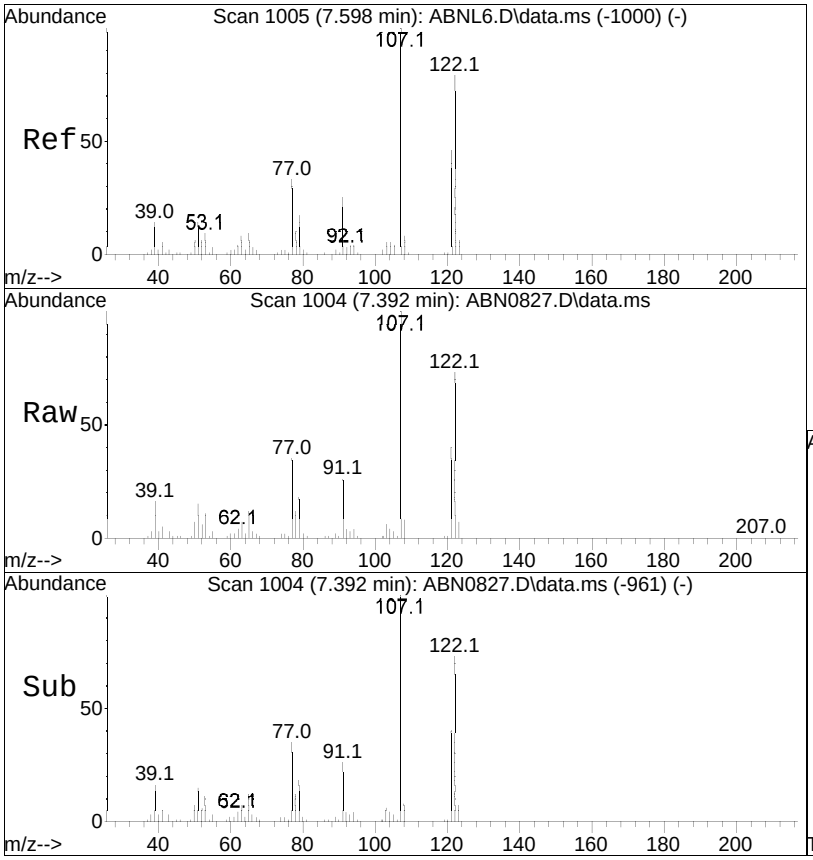


#22
2-Nitrophenol
Concen: 5.23 ug/ml
RT: 7.281 min Scan# 985
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:139 Resp: 41558

Ion	Ratio	Lower	Upper
139	100		
109	40.2	19.4	29.0#
65	72.0	46.1	69.1#

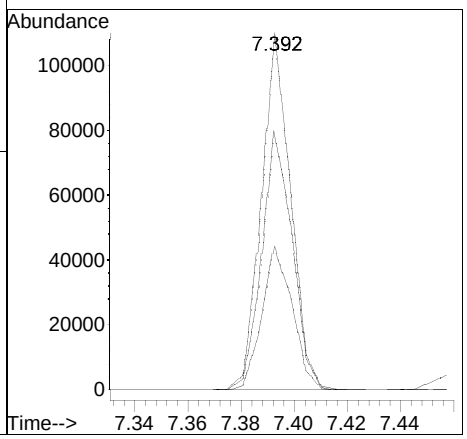


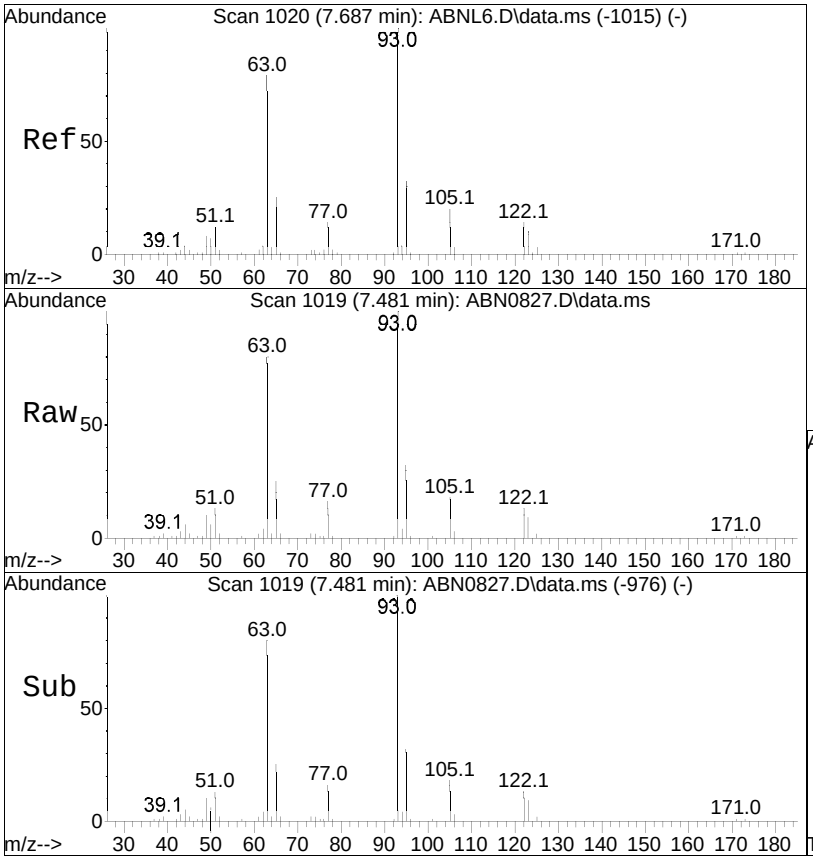


#23
2,4-Dimethylphenol
Concen: 5.58 ug/ml
RT: 7.392 min Scan# 1004
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:107 Resp: 83301

Ion	Ratio	Lower	Upper
107	100		
121	42.1	40.0	60.0
122	75.4	70.2	105.4

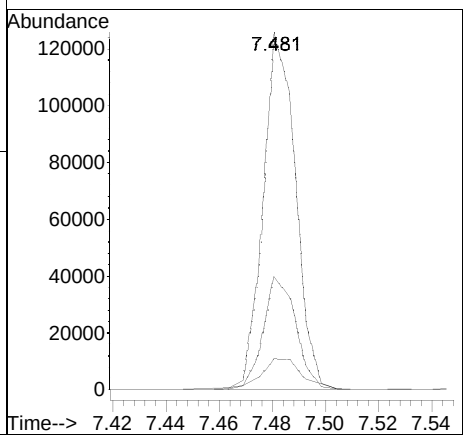


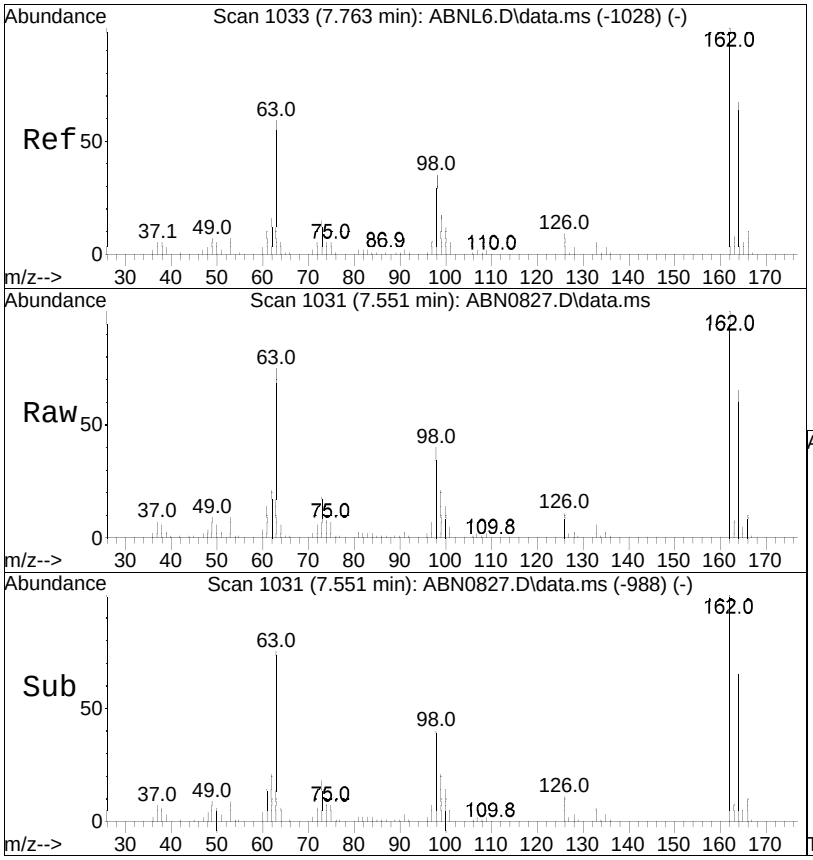


#24
Bis(2-chloroethoxy)methane
Concen: 5.15 ug/ml
RT: 7.481 min Scan# 1019
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 93 Resp: 105145

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.8
123	11.3	10.1	15.1

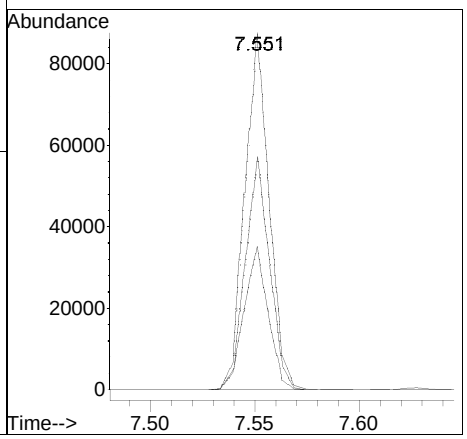


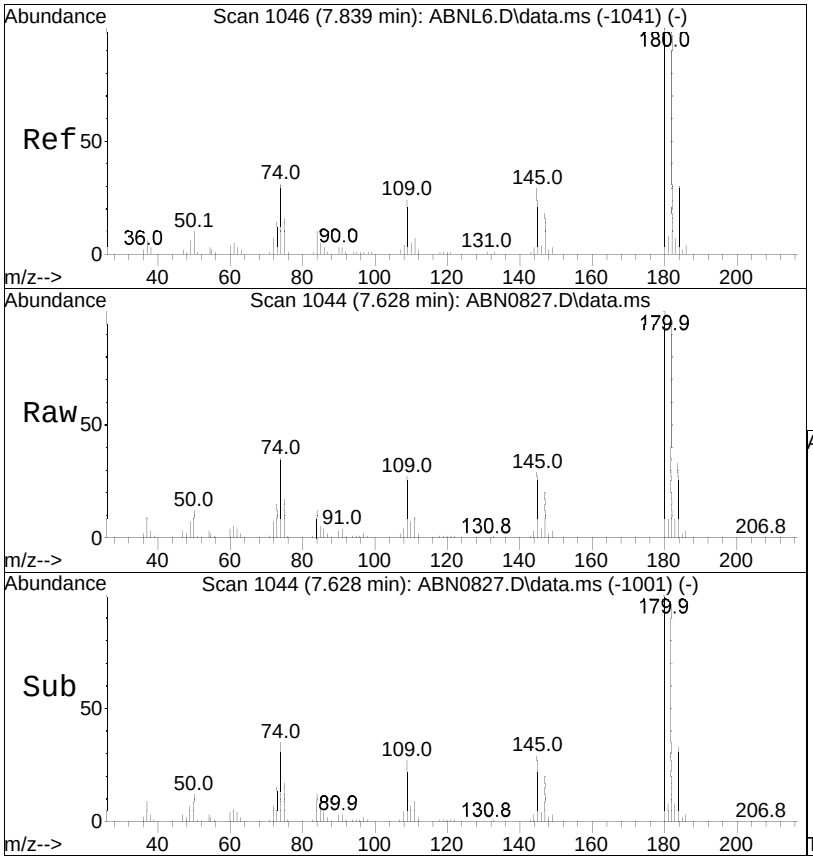


#25
2,4-Dichlorophenol
Concen: 4.93 ug/ml
RT: 7.551 min Scan# 1031
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:162 Resp: 69756

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.0	76.4
98	40.4	32.2	48.2

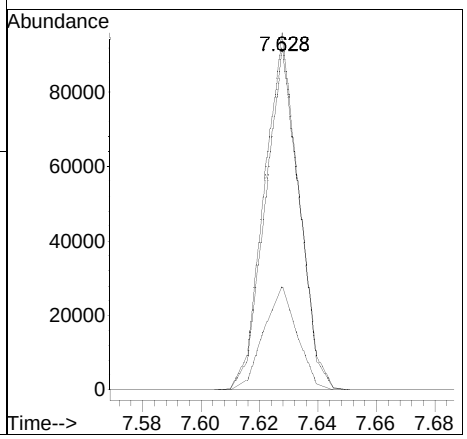


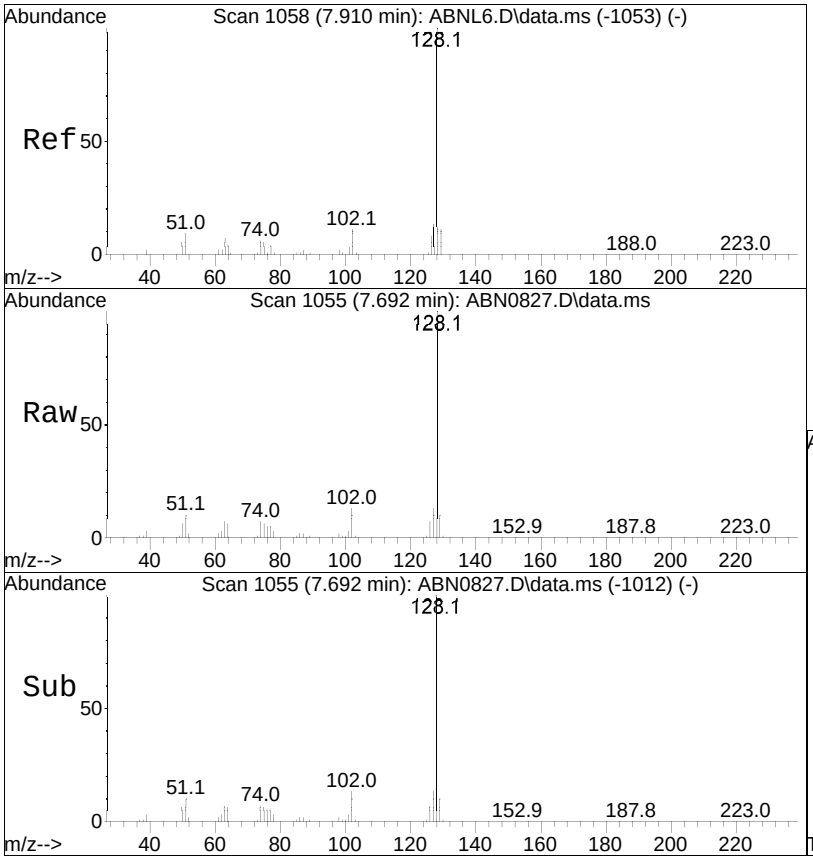


#26
1,2,4-Trichlorobenzene
Concen: 4.55 ug/ml
RT: 7.628 min Scan# 1044
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:180 Resp: 78835

Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.0	114.0
145	27.9	25.7	38.5

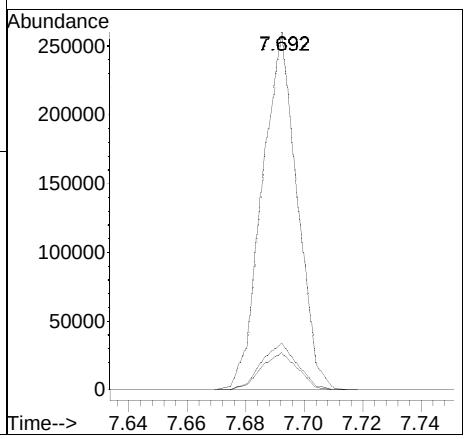


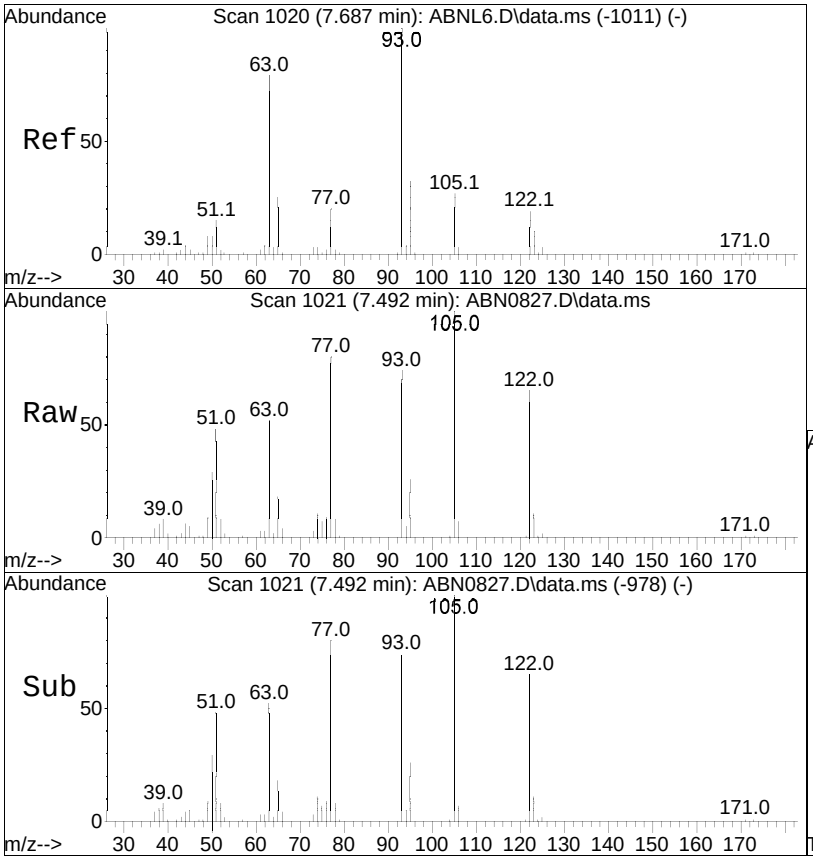


#36
Naphthalene
Concen: 4.30 ug/ml
RT: 7.692 min Scan# 1055
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:128 Resp: 214023

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	10.3	15.5

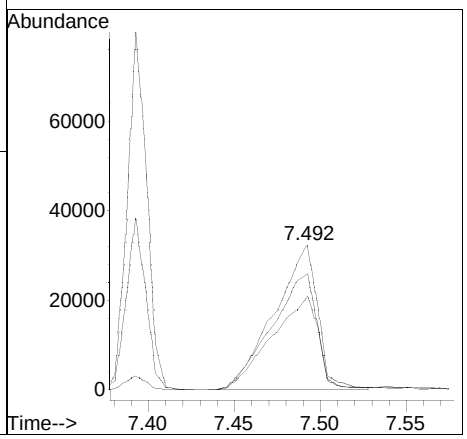


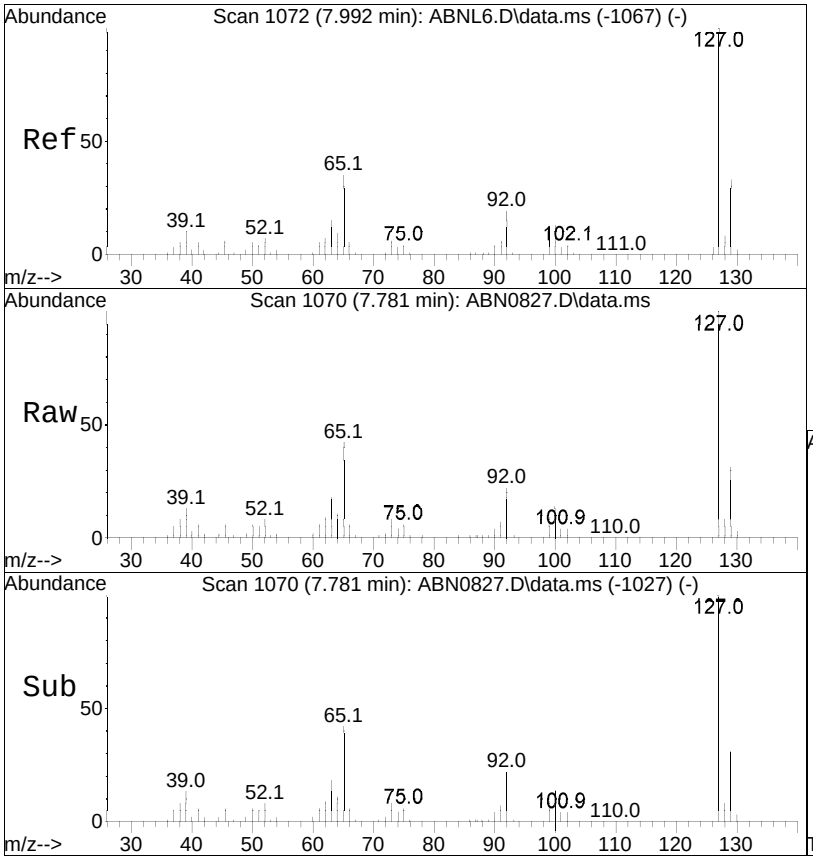


#37
Benzoic Acid
Concen: 4.78 ug/ml
RT: 7.492 min Scan# 1021
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:105 Resp: 57182

Ion	Ratio	Lower	Upper
105	100		
122	70.5	59.9	89.9
77	85.1	60.1	90.1

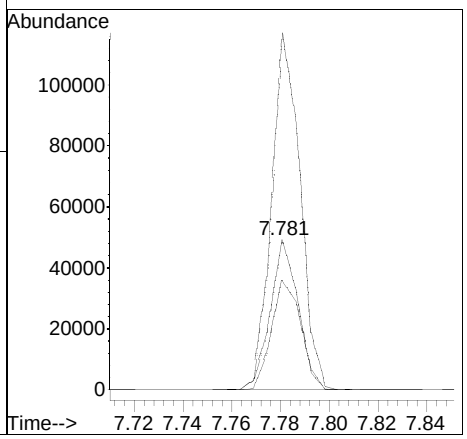


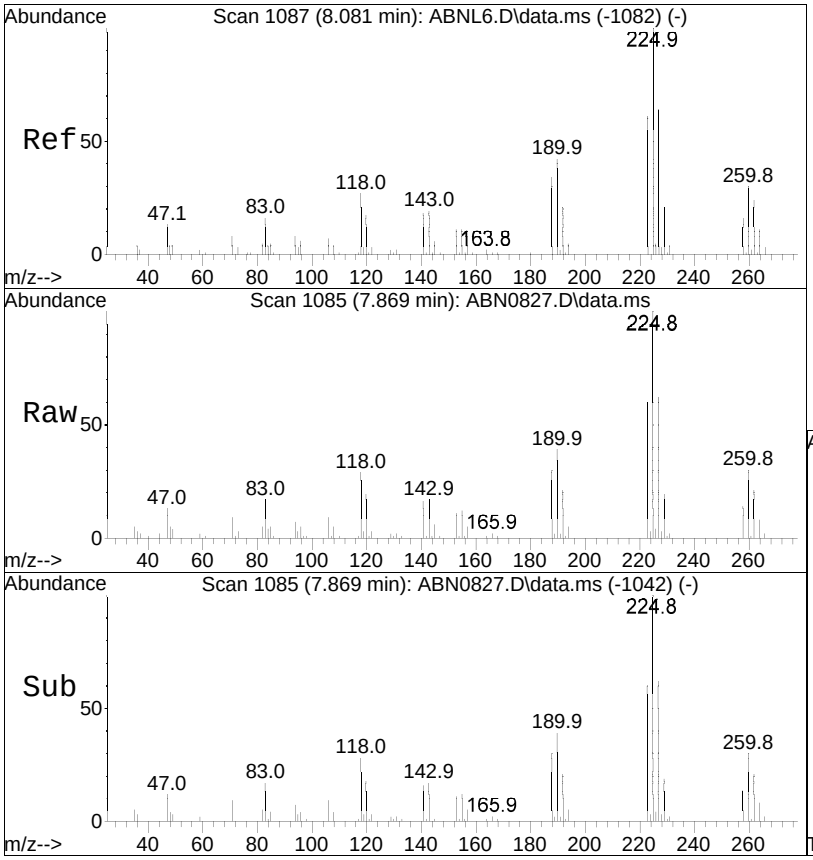


#38
4-Chloroaniline
Concen: 5.30 ug/ml
RT: 7.781 min Scan# 1070
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 65 Resp: 38931

Ion	Ratio	Lower	Upper
65	100		
127	242.2	237.6	356.4
129	77.3	76.3	114.5

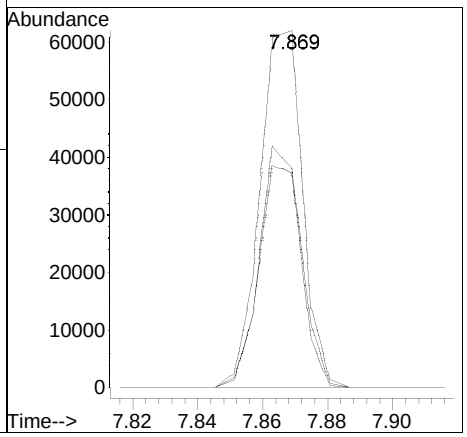


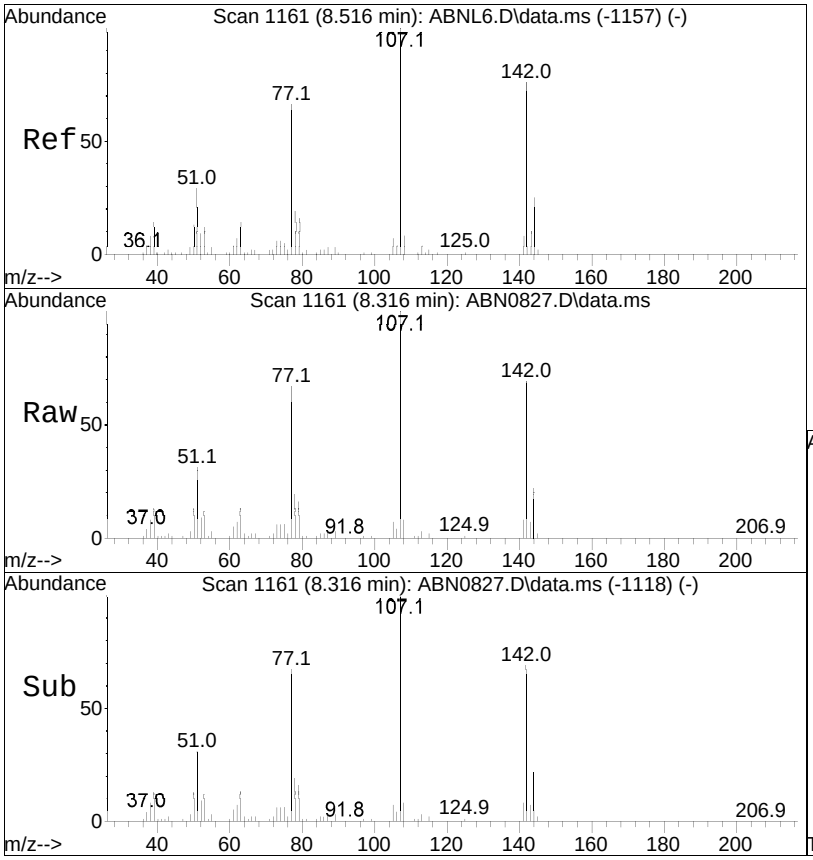


#39
Hexachlorobutadiene
Concen: 4.30 ug/ml
RT: 7.869 min Scan# 1085
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:225 Resp: 56498

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.3	75.5
227	66.3	52.2	78.2

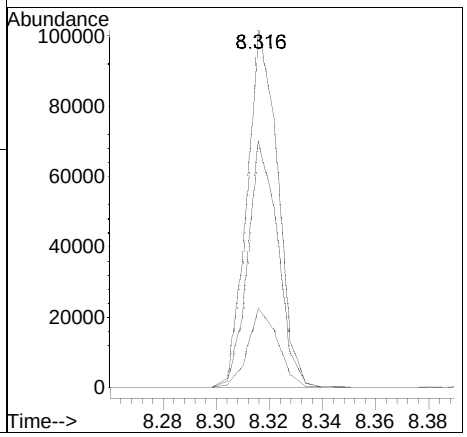


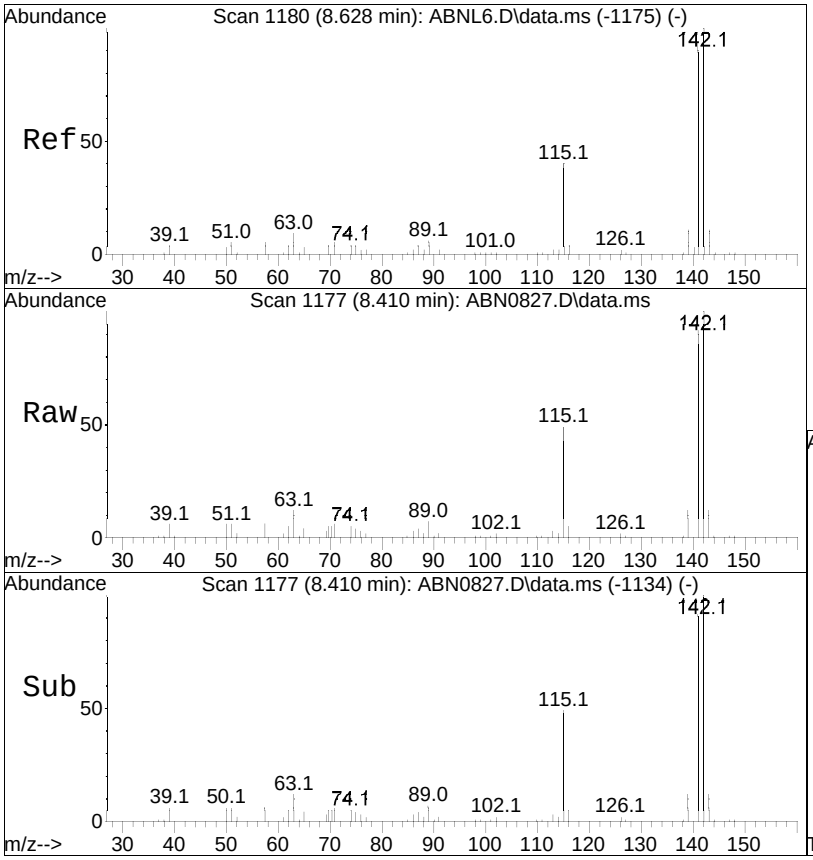


#40
p-Chloro-m-cresol
Concen: 5.47 ug/ml
RT: 8.316 min Scan# 1161
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:107 Resp: 81343

Ion	Ratio	Lower	Upper
107	100		
144	21.7	20.9	31.3
142	67.1	66.1	99.1

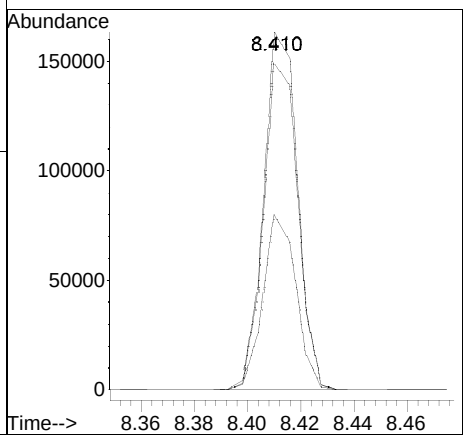


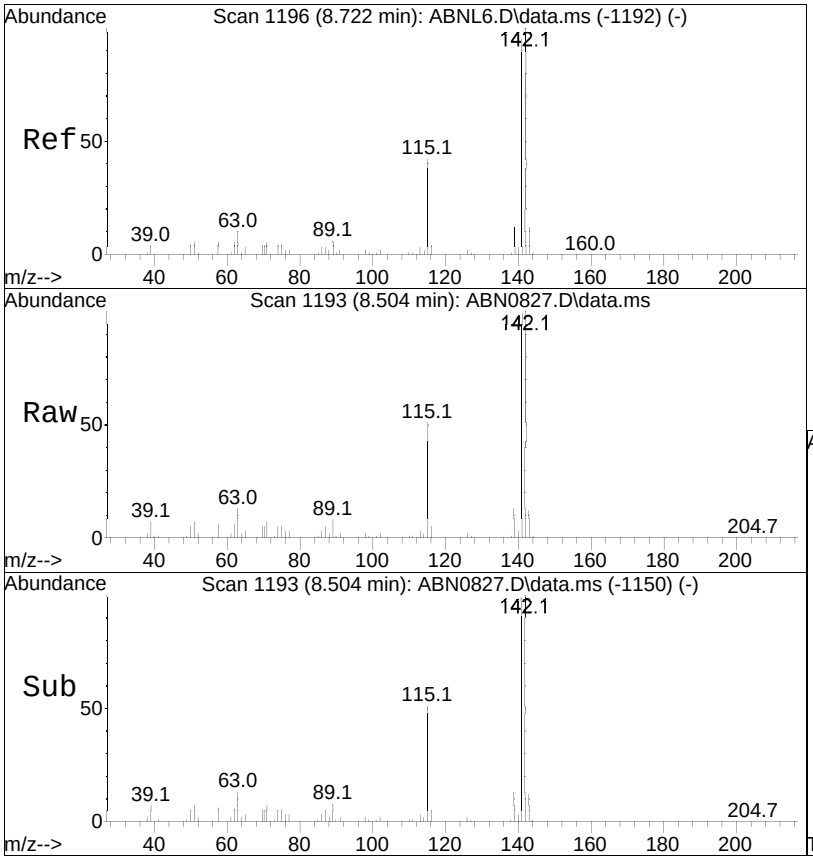


#41
2-Methylnaphthalene
Concen: 4.32 ug/ml
RT: 8.410 min Scan# 1177
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:142 Resp: 143304

Ion	Ratio	Lower	Upper
142	100		
141	92.2	69.6	104.4
115	47.8	26.6	40.0#

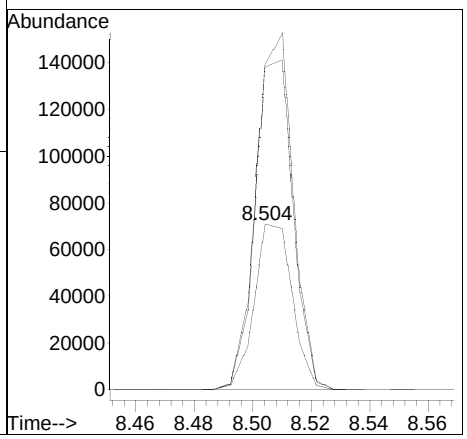


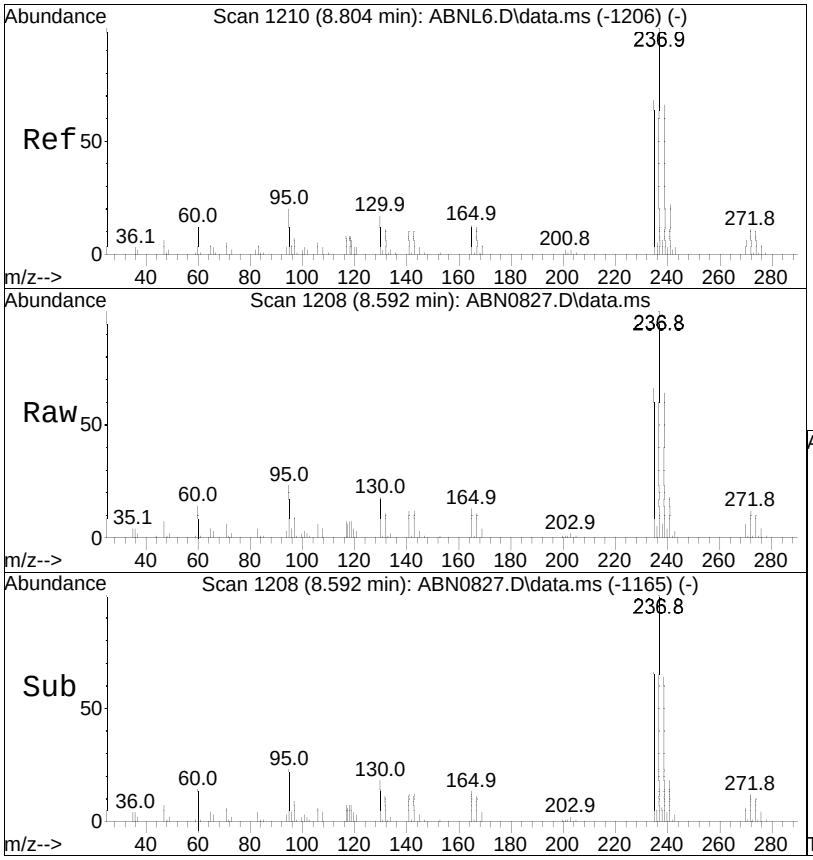


#42
1-Methylnaphthalene
Concen: 5.11 ug/ml
RT: 8.504 min Scan# 1193
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:115 Resp: 64403

Ion	Ratio	Lower	Upper
115	100		
141	198.0	207.8	311.6#
142	209.6	226.8	340.2#

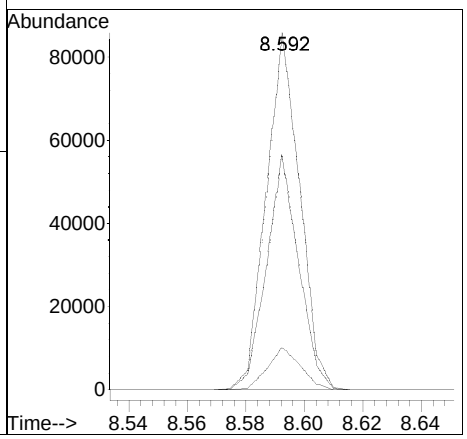


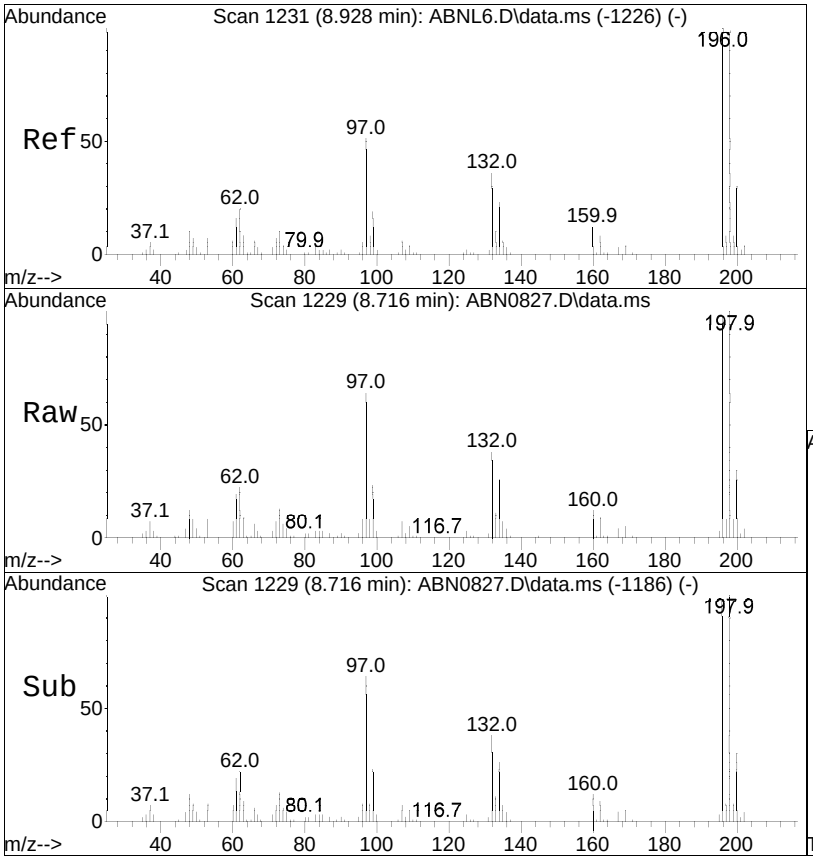


#43
Hexachlorocyclopentadiene
Concen: 4.65 ug/ml
RT: 8.592 min Scan# 1208
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:237 Resp: 67838

Ion	Ratio	Lower	Upper
237	100		
235	63.6	49.7	74.5
272	11.7	9.8	14.6

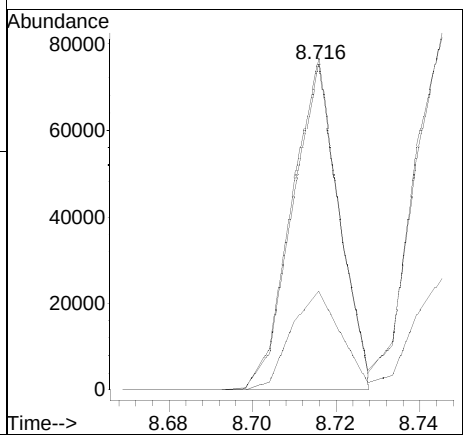


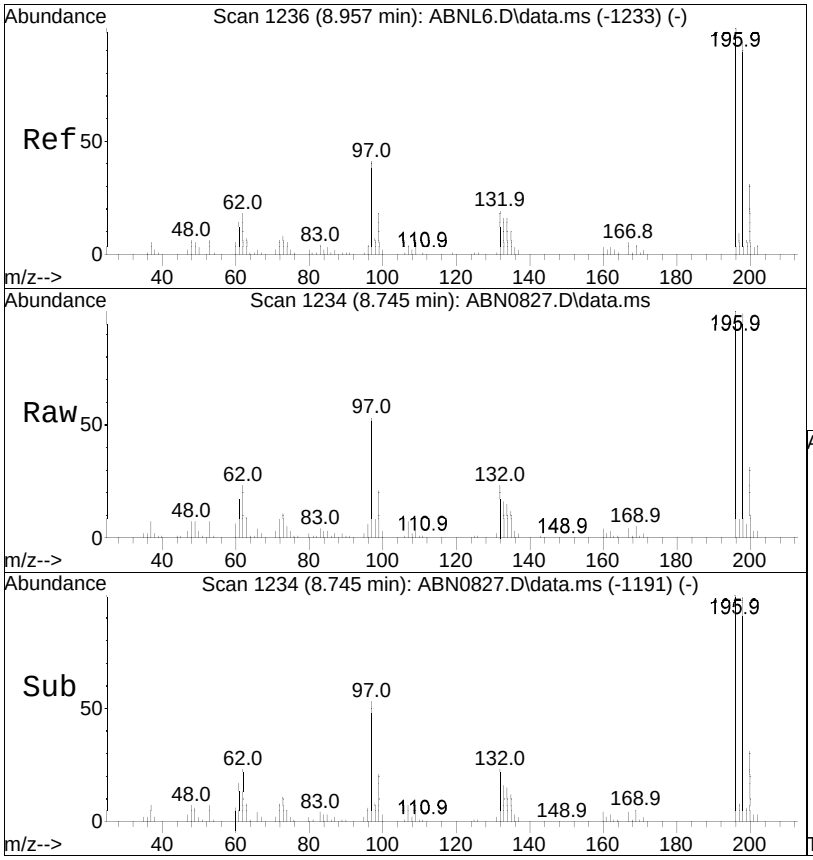


#44
2,4,6-Trichlorophenol
Concen: 4.50 ug/ml M3
RT: 8.716 min Scan# 1229
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:196 Resp: 58808

Ion	Ratio	Lower	Upper
196	100		
198	103.7	77.5	116.3
200	32.3	23.8	35.6

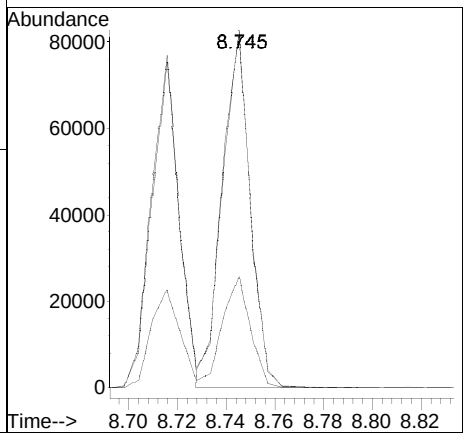


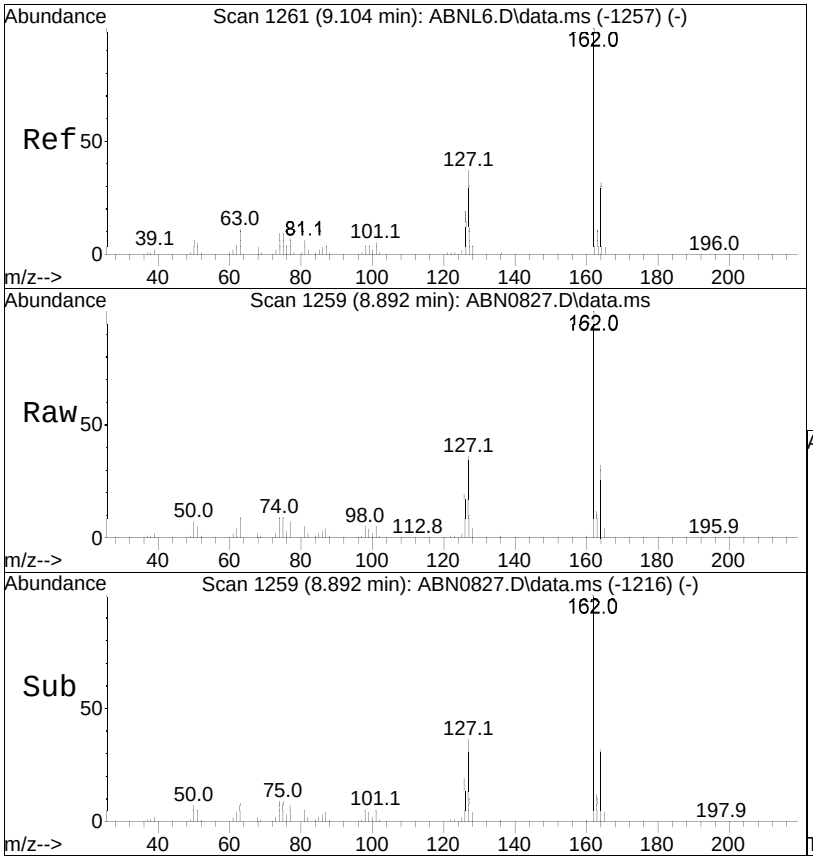


#45
2,4,5-Trichlorophenol
Concen: 4.64 ug/ml
RT: 8.745 min Scan# 1234
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:196 Resp: 64822

Ion	Ratio	Lower	Upper
196	100		
200	31.9	25.4	38.0
198	100.7	78.0	117.0

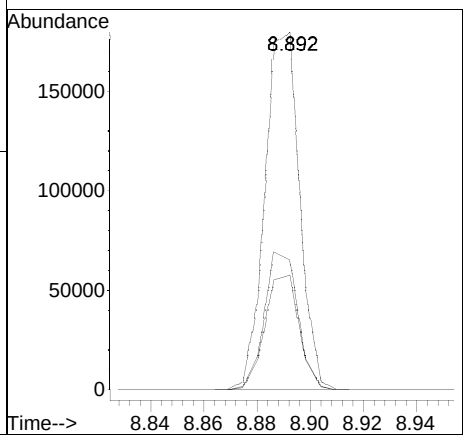


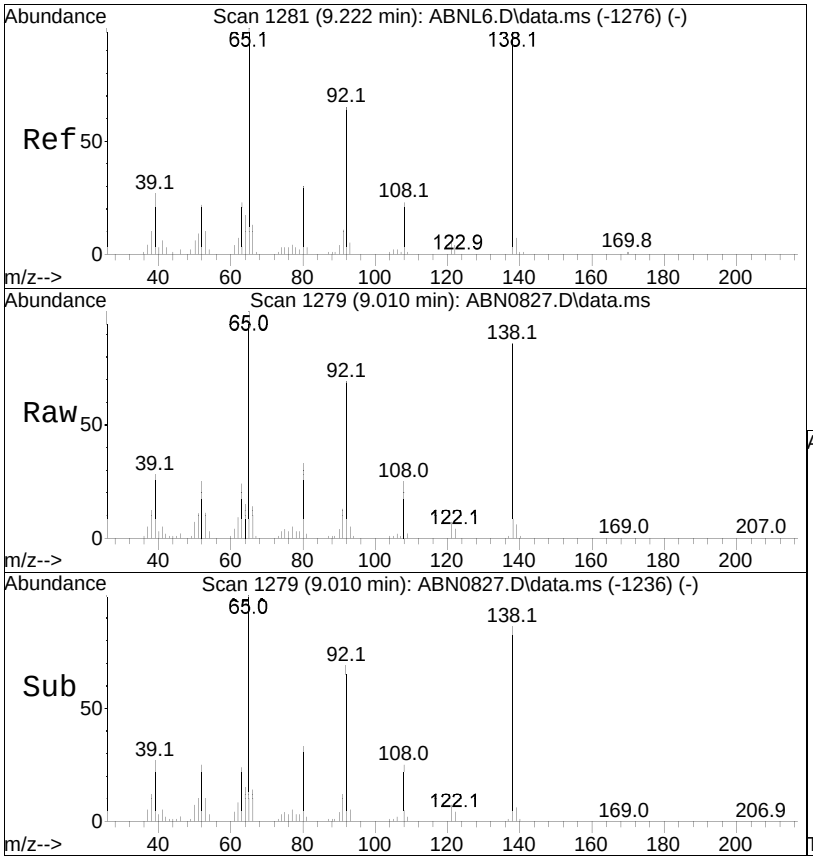


#47
2-Chloronaphthalene
Concen: 4.56 ug/ml
RT: 8.892 min Scan# 1259
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:162 Resp: 161105

Ion	Ratio	Lower	Upper
162	100		
127	37.4	32.2	48.4
164	31.9	25.7	38.5

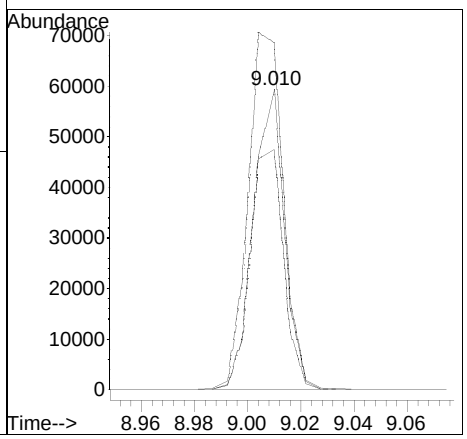


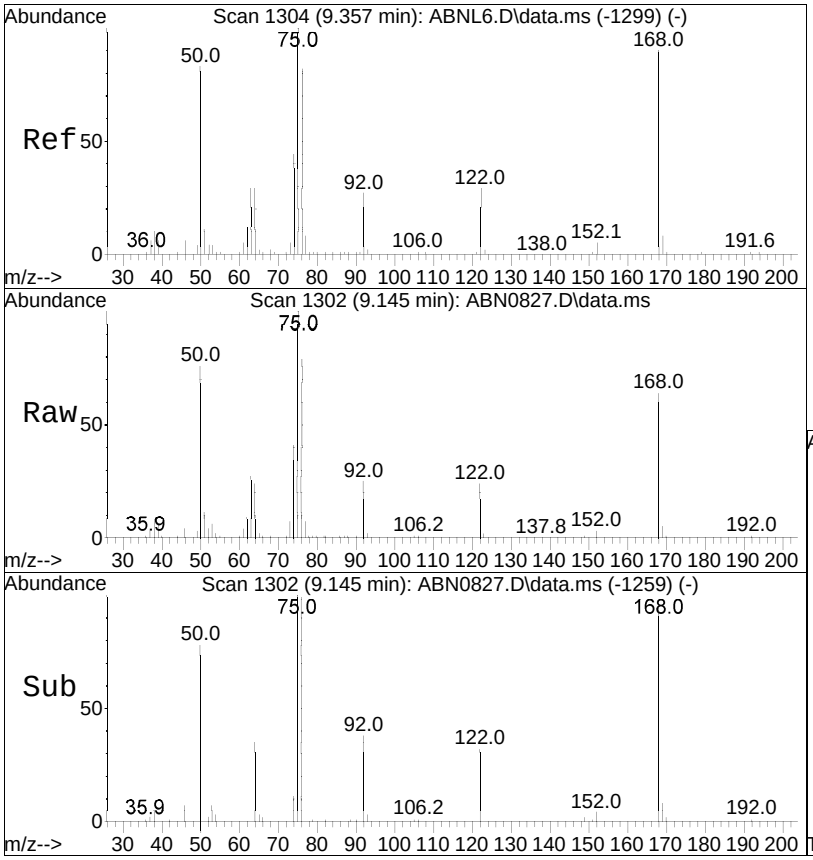


#48
2-Nitroaniline
Concen: 4.49 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:138 Resp: 47771

Ion	Ratio	Lower	Upper
138	100		
92	86.6	53.5	80.3#
65	134.8	86.3	129.5#

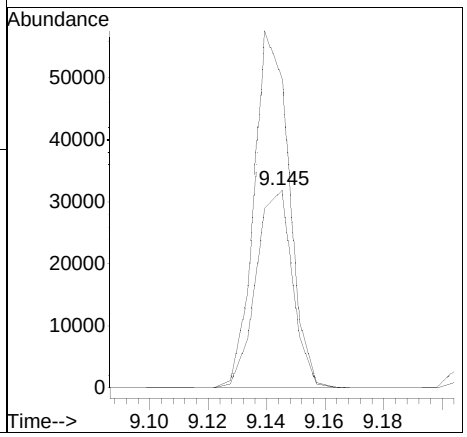


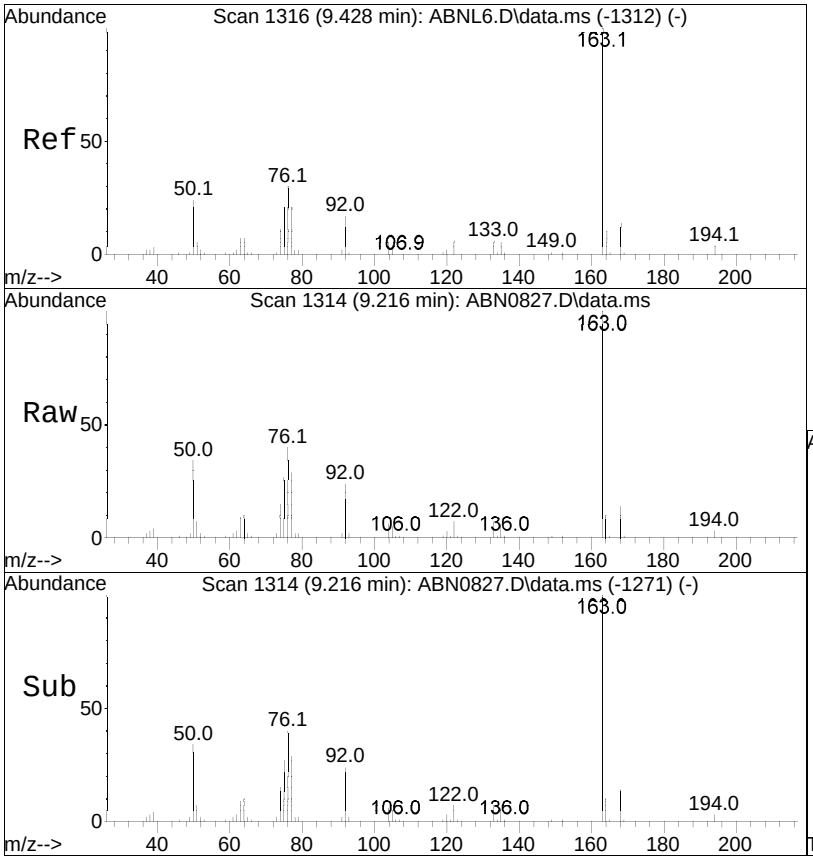


#49
1,4-Dinitrobenzene
Concen: 4.95 ug/ml
RT: 9.145 min Scan# 1302
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:168 Resp: 27722

Ion	Ratio	Lower	Upper
168	100		
75	172.3	121.8	182.8

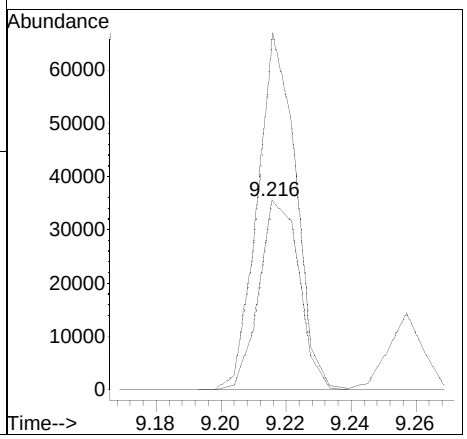


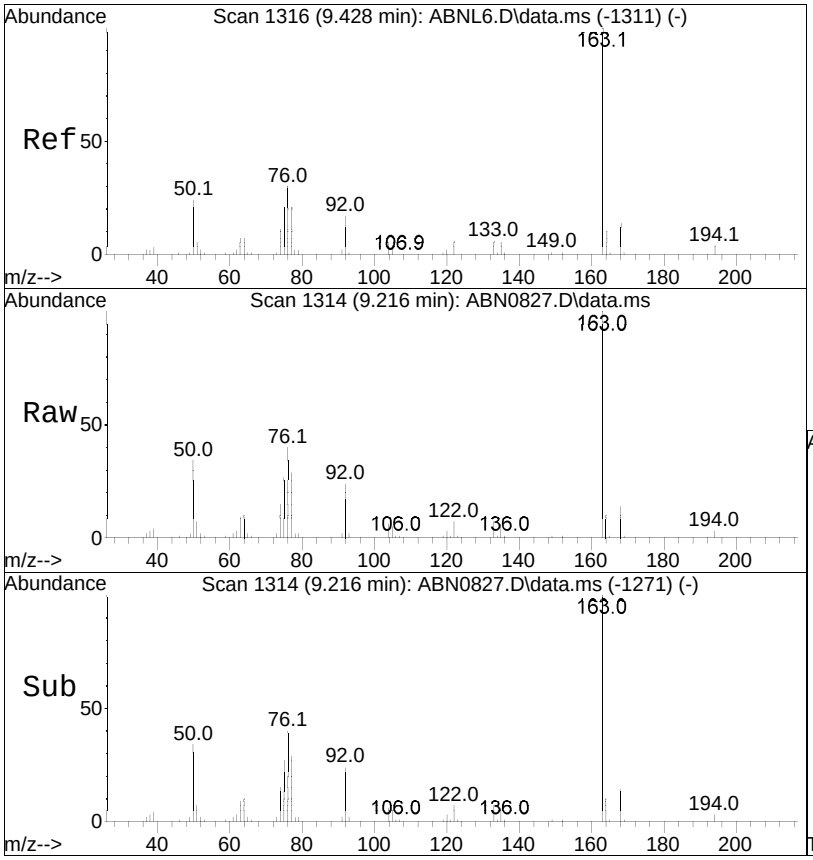


#50
1,3-Dinitrobenzene
Concen: 4.74 ug/ml
RT: 9.216 min Scan# 1314
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:168 Resp: 30245

Ion	Ratio	Lower	Upper
168	100		
75	179.9	22.7	34.1#

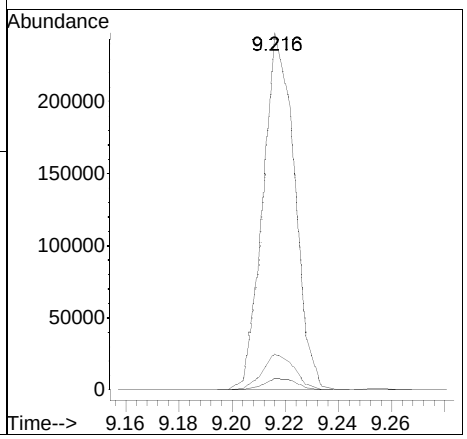


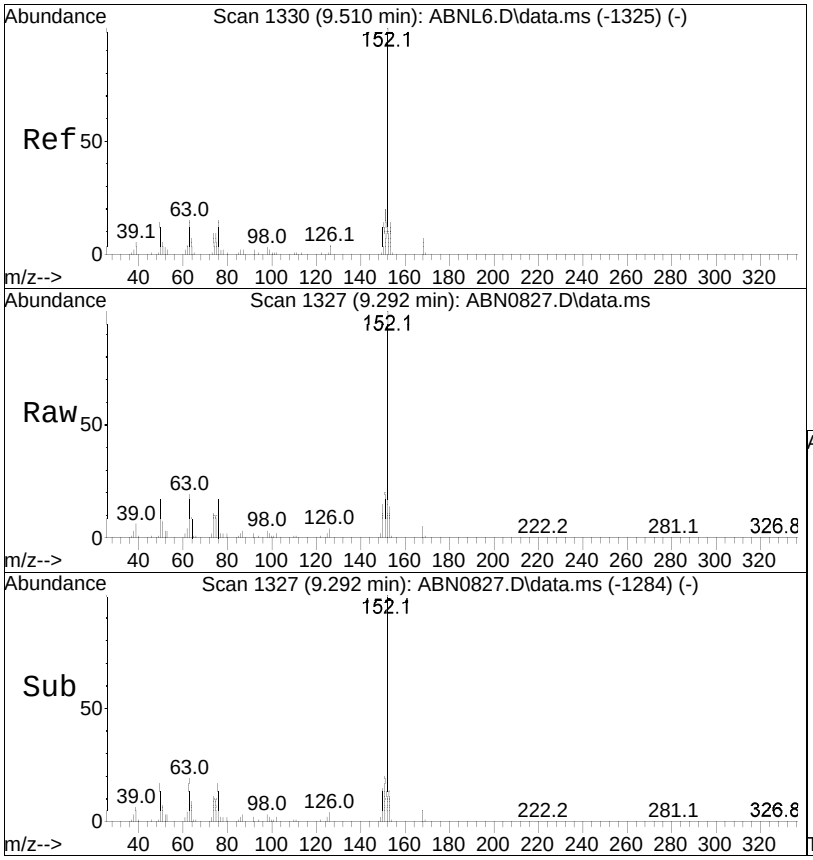


#51
Dimethyl phthalate
Concen: 4.71 ug/ml
RT: 9.216 min Scan# 1314
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:163 Resp: 202325

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.2	7.9	11.9

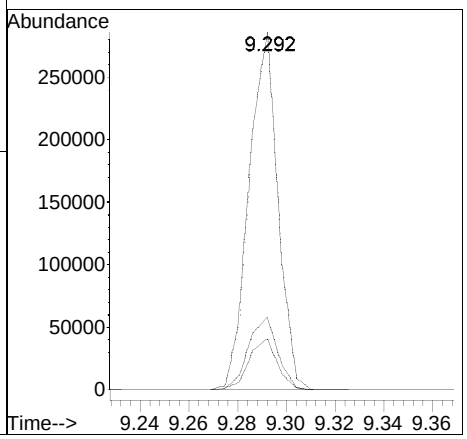


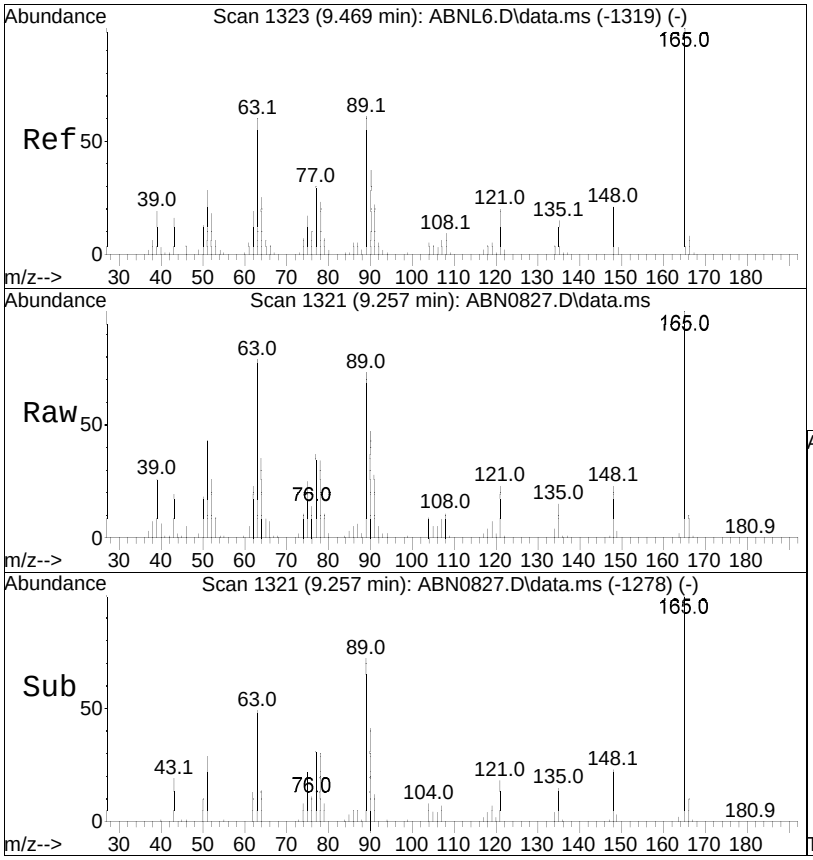


#52
Acenaphthylene
Concen: 4.33 ug/ml
RT: 9.292 min Scan# 1327
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:152 Resp: 233746

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.8	23.6
153	14.1	10.5	15.7

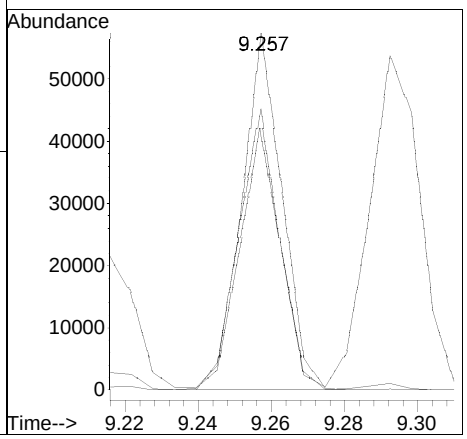


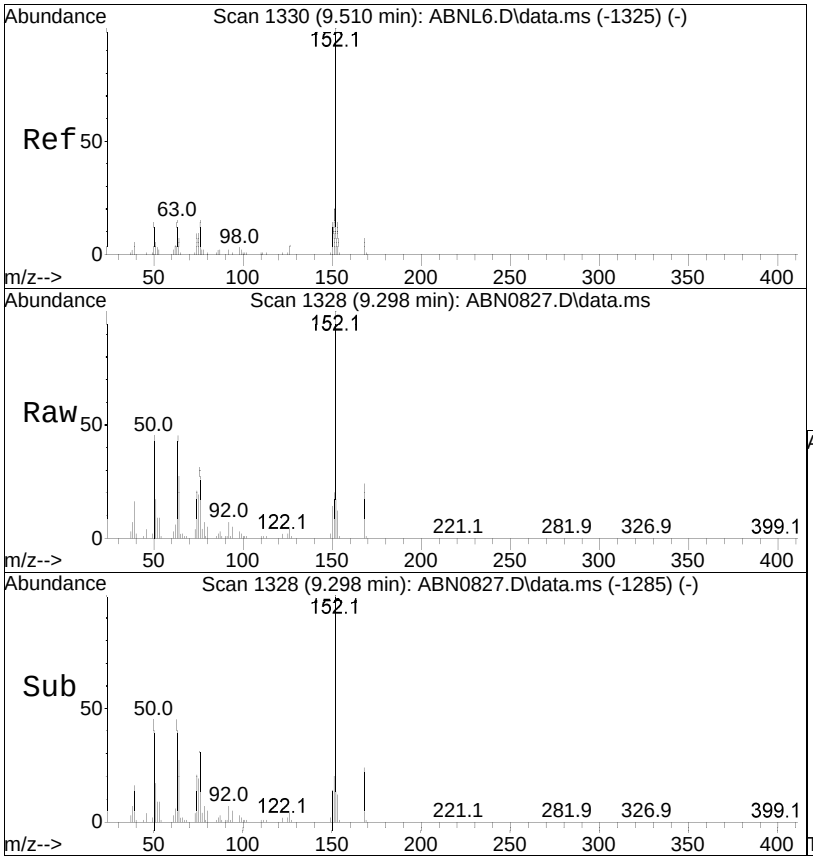


#53
2,6-Dinitrotoluene
Concen: 4.76 ug/ml
RT: 9.257 min Scan# 1321
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:165 Resp: 44048

Ion	Ratio	Lower	Upper
165	100		
89	74.5	54.2	81.2
63	79.6	64.2	96.2

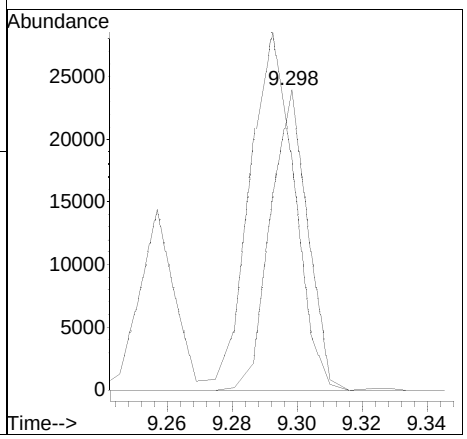


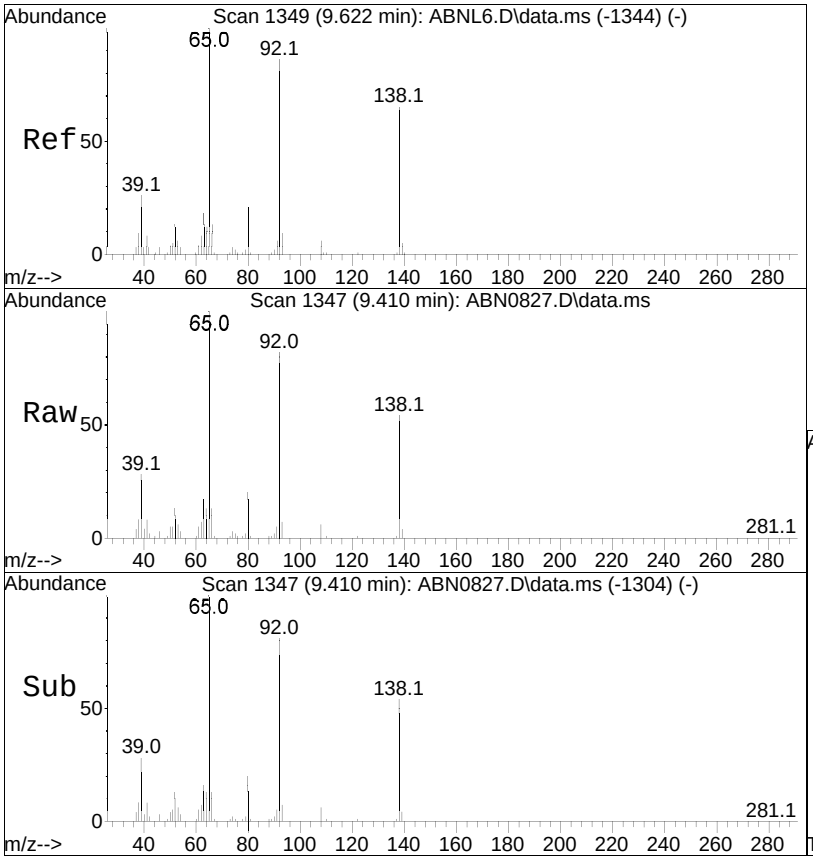


#54
1,2-Dinitrobenzene
Concen: 4.80 ug/ml
RT: 9.298 min Scan# 1328
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:168 Resp: 18937

Ion	Ratio	Lower	Upper
168	100		
75	144.1	30.9	46.3#

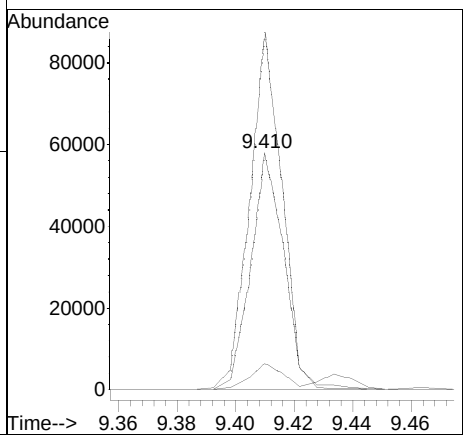


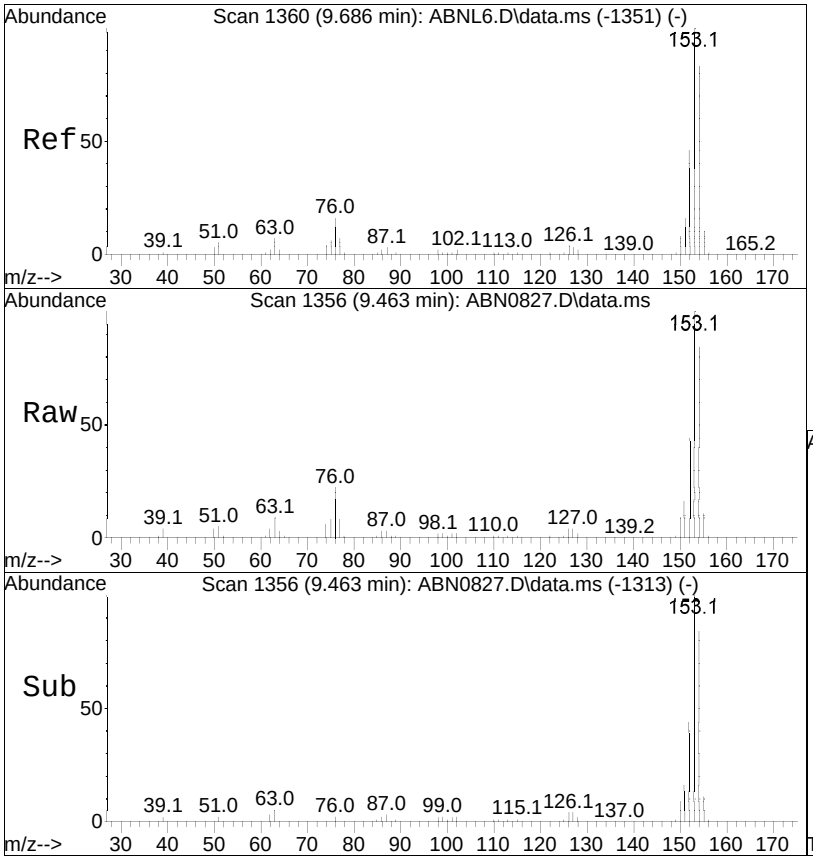


#64
3-Nitroaniline
Concen: 4.75 ug/ml
RT: 9.410 min Scan# 1347
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:138 Resp: 44757

Ion	Ratio	Lower	Upper
138	100		
92	149.4	93.4	140.2#
108	11.3	9.5	14.3

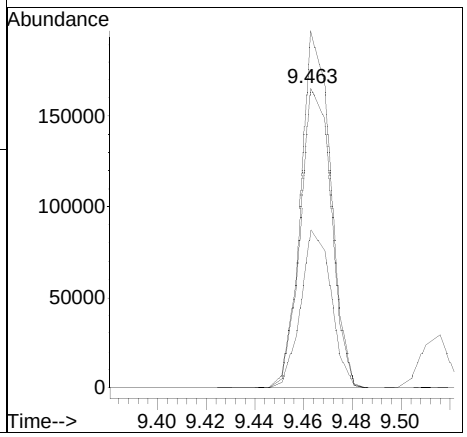


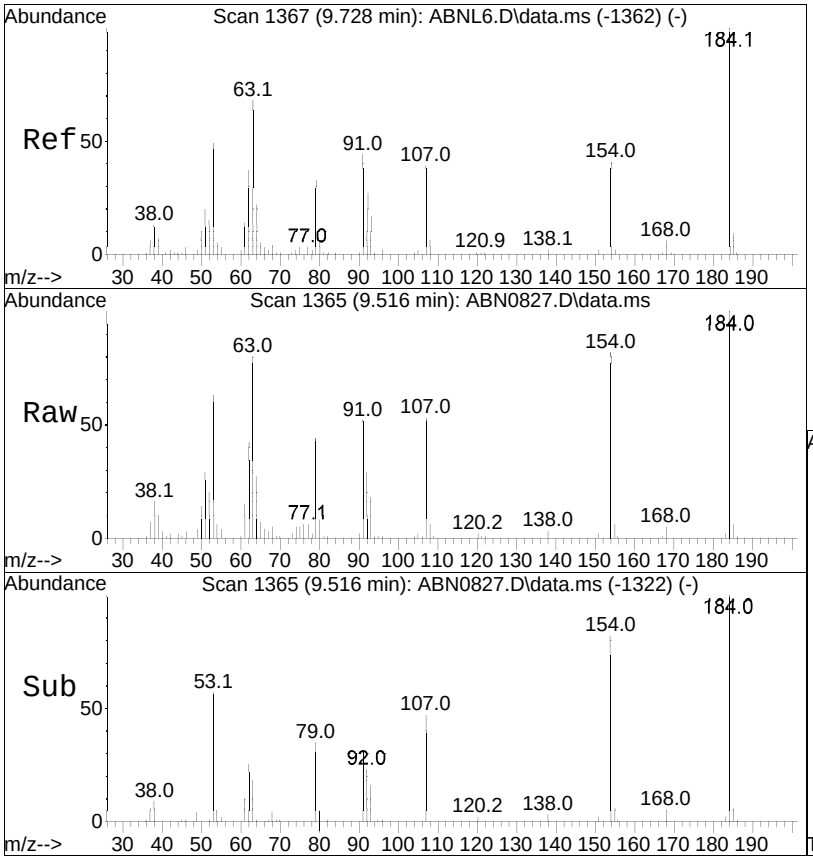


#65
Acenaphthene
Concen: 4.32 ug/ml
RT: 9.463 min Scan# 1356
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:154 Resp: 146705

Ion	Ratio	Lower	Upper
154	100		
153	114.4	85.3	127.9
152	51.9	41.4	62.0

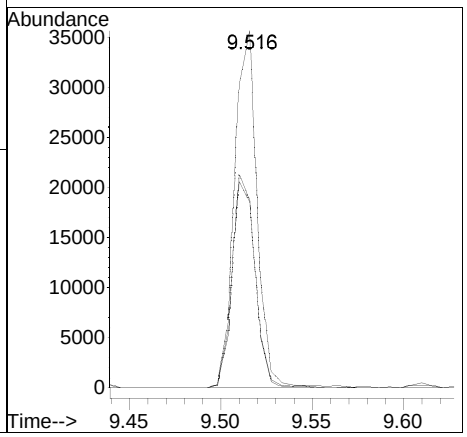


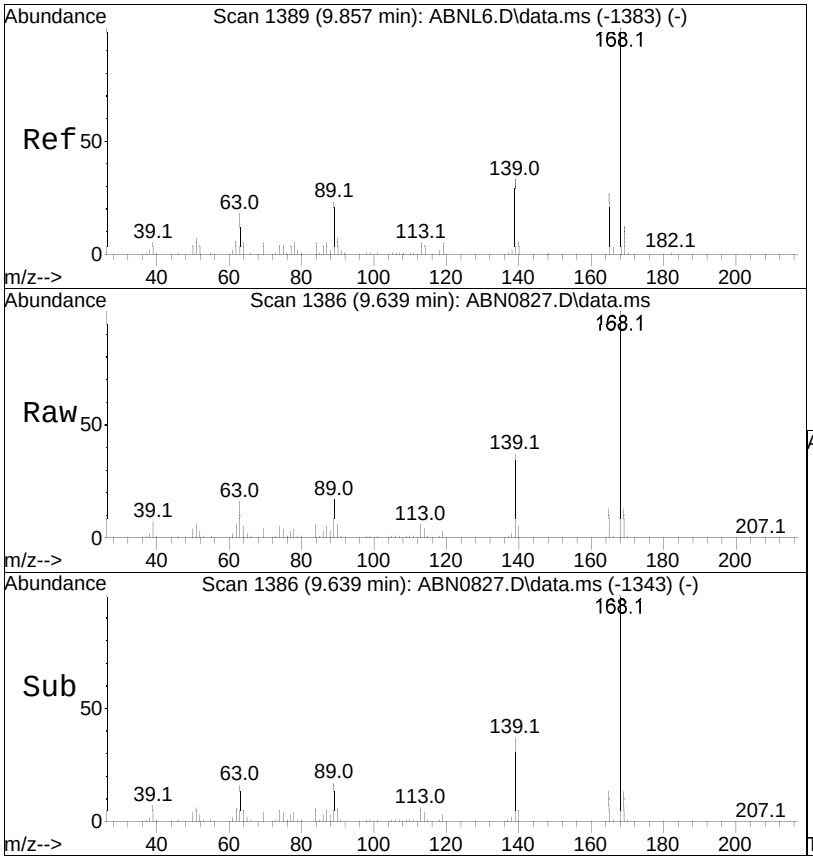


#66
2,4-Dinitrophenol
Concen: 4.89 ug/ml
RT: 9.516 min Scan# 1365
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:184 Resp: 30765

Ion	Ratio	Lower	Upper
184	100		
107	59.3	37.7	56.5#
91	59.6	46.3	69.5

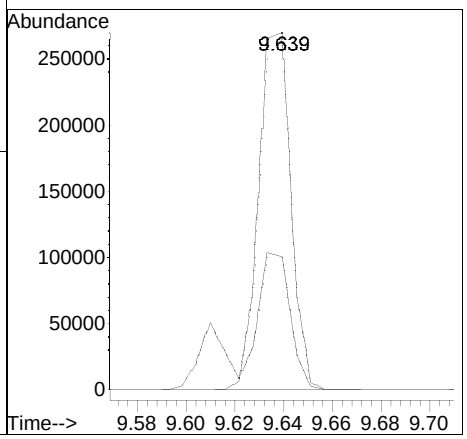


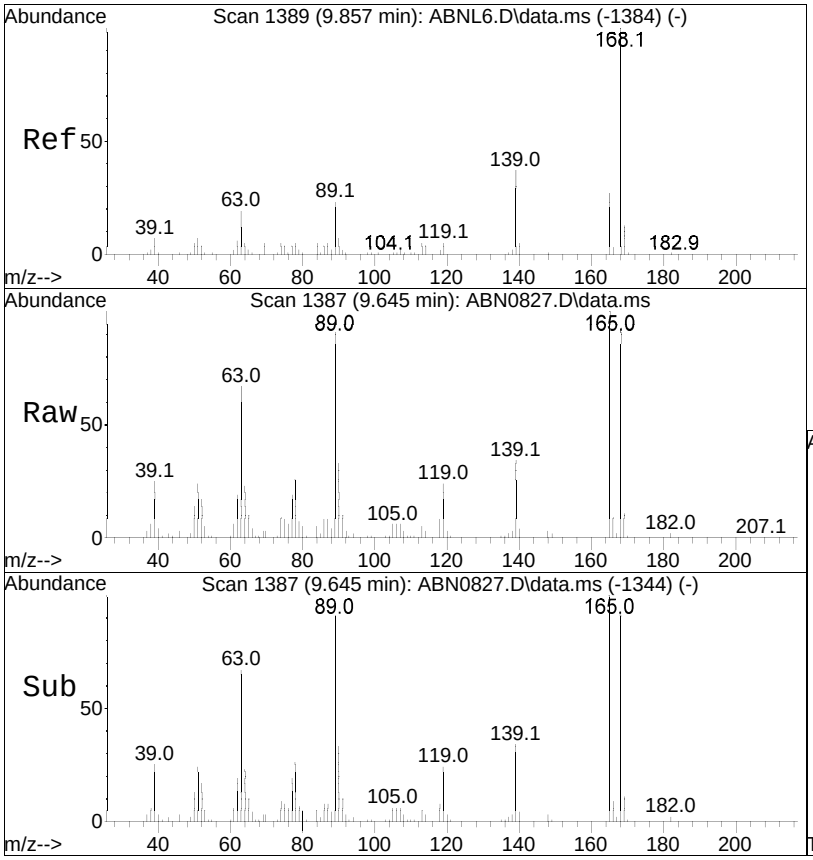


#67
Dibenzofuran
Concen: 4.30 ug/ml
RT: 9.639 min Scan# 1386
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:168 Resp: 245720

Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.4	47.2

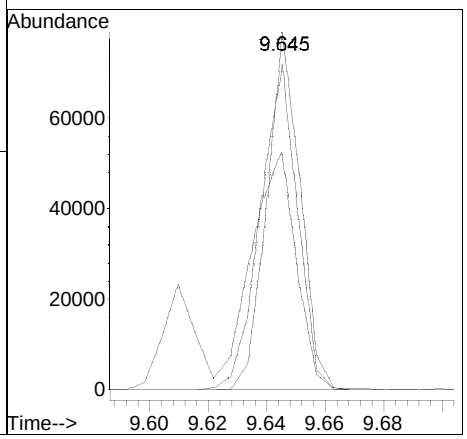


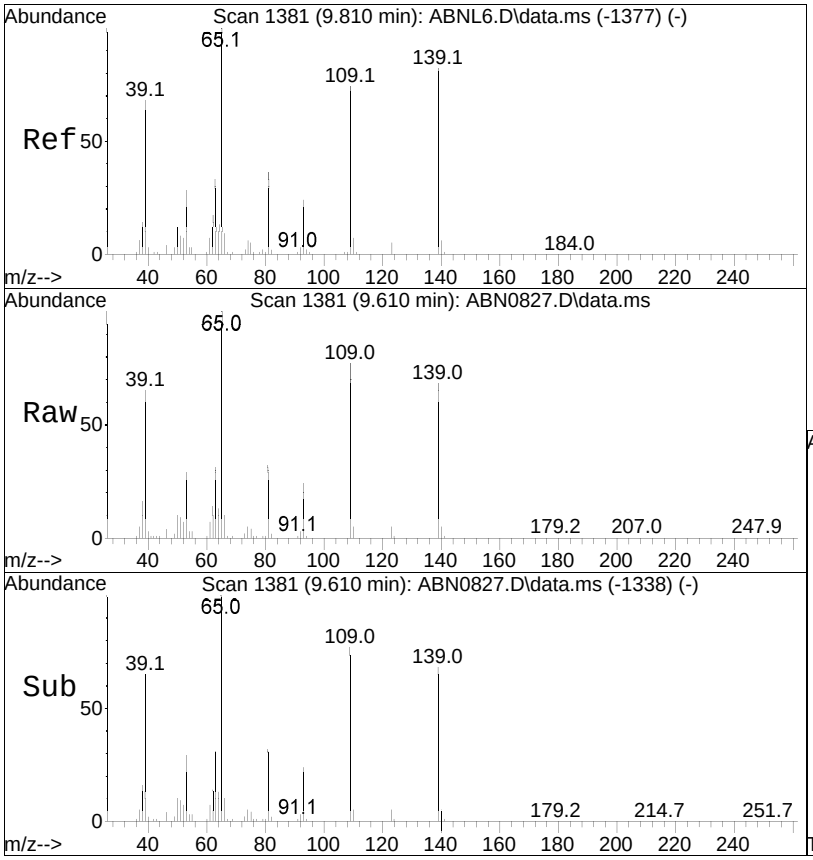


#68
2,4-Dinitrotoluene
Concen: 4.43 ug/ml
RT: 9.645 min Scan# 1387
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:165 Resp: 62100

Ion	Ratio	Lower	Upper
165	100		
89	101.9	72.0	108.0
63	89.4	52.7	79.1#

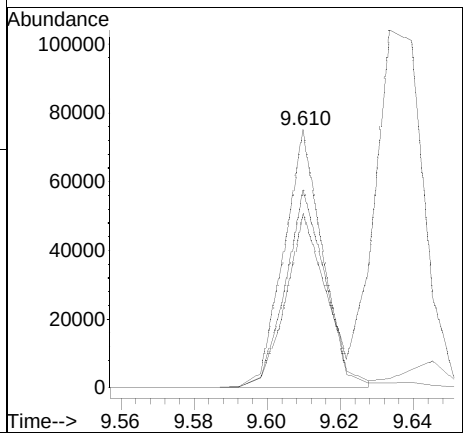


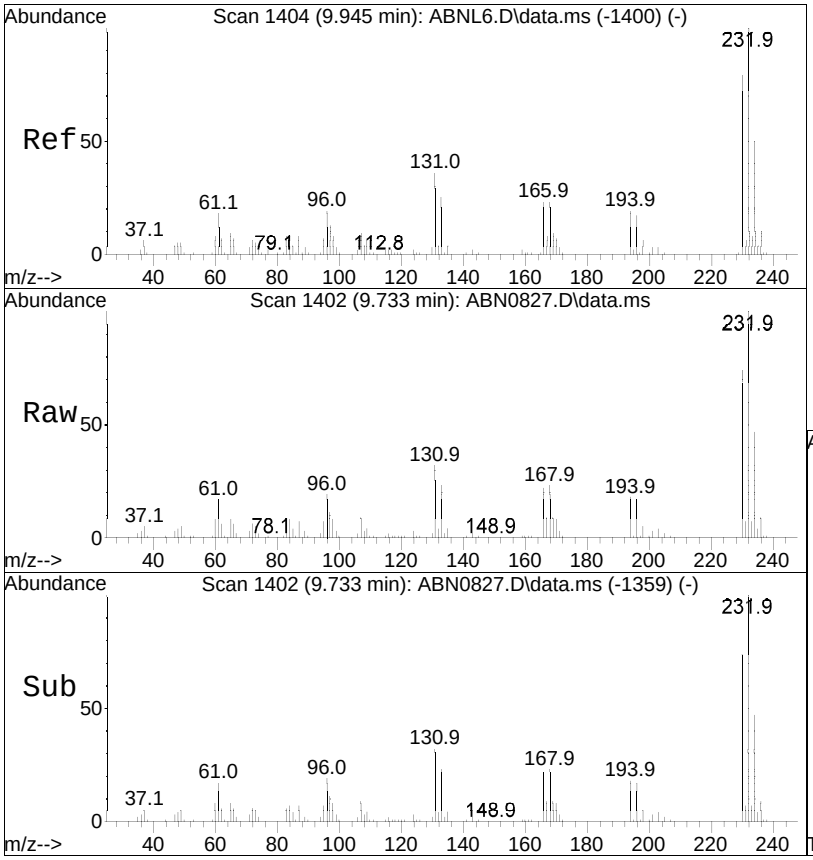


#69
4-Nitrophenol
Concen: 5.82 ug/ml m
RT: 9.610 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 65 Resp: 55505

Ion	Ratio	Lower	Upper
65	100		
109	80.0	47.4	71.2#
139	70.8	76.6	115.0#

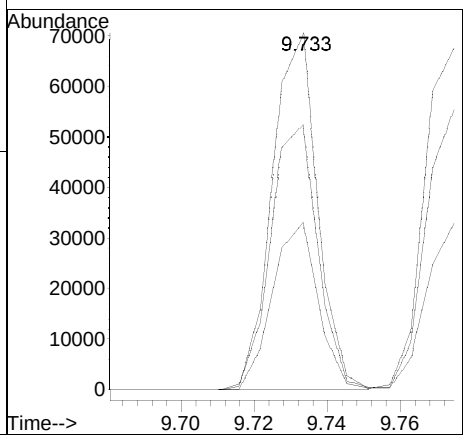


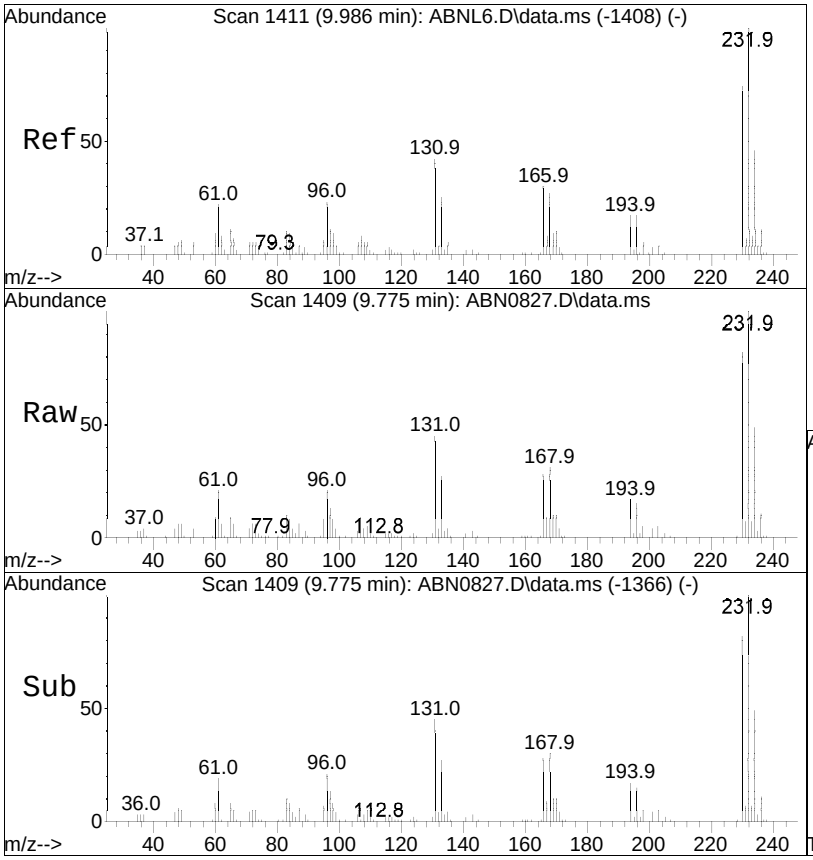


#70
2,3,5,6-Tetrachlorophenol
Concen: 4.55 ug/ml
RT: 9.733 min Scan# 1402
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:232 Resp: 60735

Ion	Ratio	Lower	Upper
232	100		
230	78.1	64.2	96.4
234	48.0	38.1	57.1

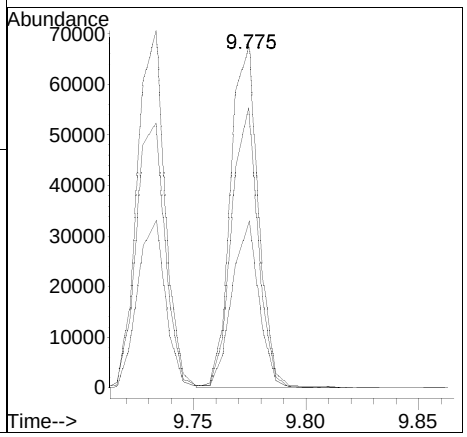


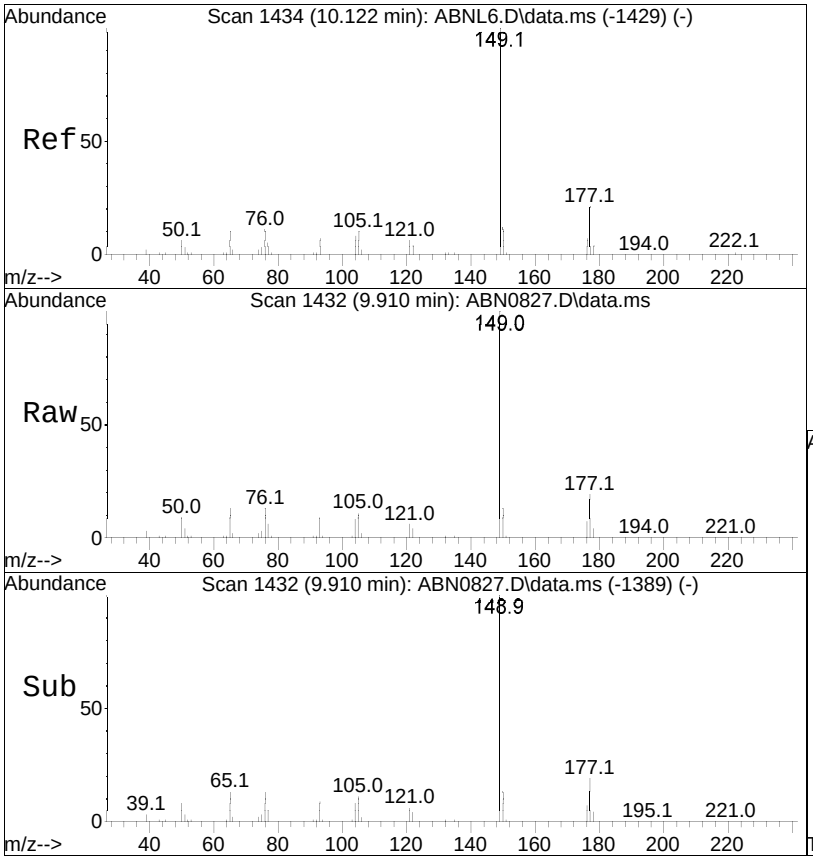


#71
2,3,4,6-Tetrachlorophenol
Concen: 4.56 ug/ml
RT: 9.775 min Scan# 1409
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:232 Resp: 58543

Ion	Ratio	Lower	Upper
232	100		
230	77.9	61.8	92.8
234	47.1	36.2	54.2

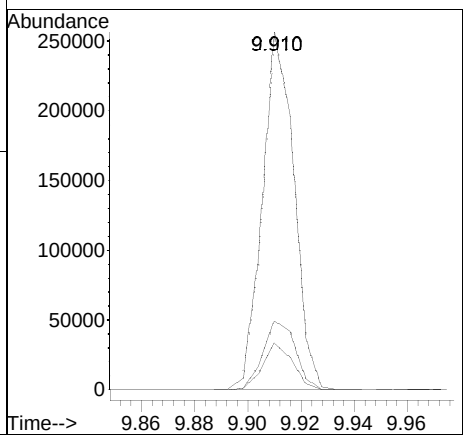


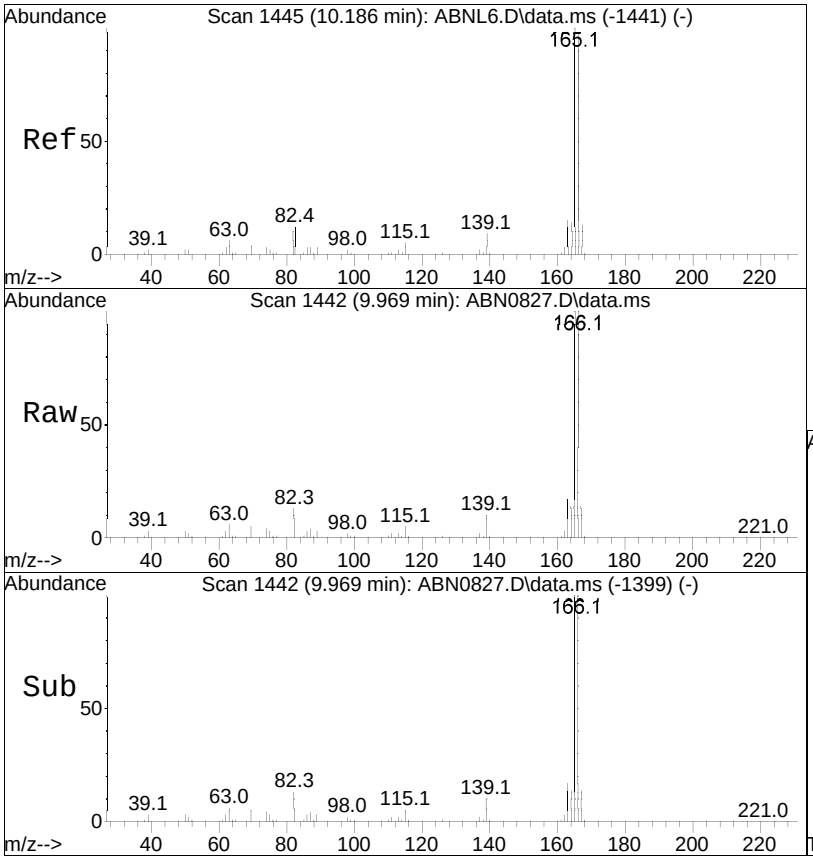


#72
Diethyl phthalate
Concen: 4.63 ug/ml
RT: 9.910 min Scan# 1432
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:149 Resp: 209053

Ion	Ratio	Lower	Upper
149	100		
177	20.0	16.1	24.1
150	12.7	9.4	14.2

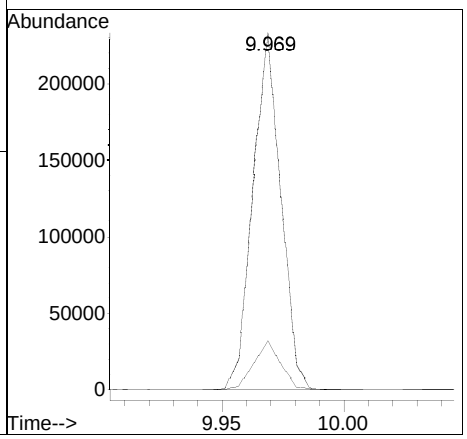


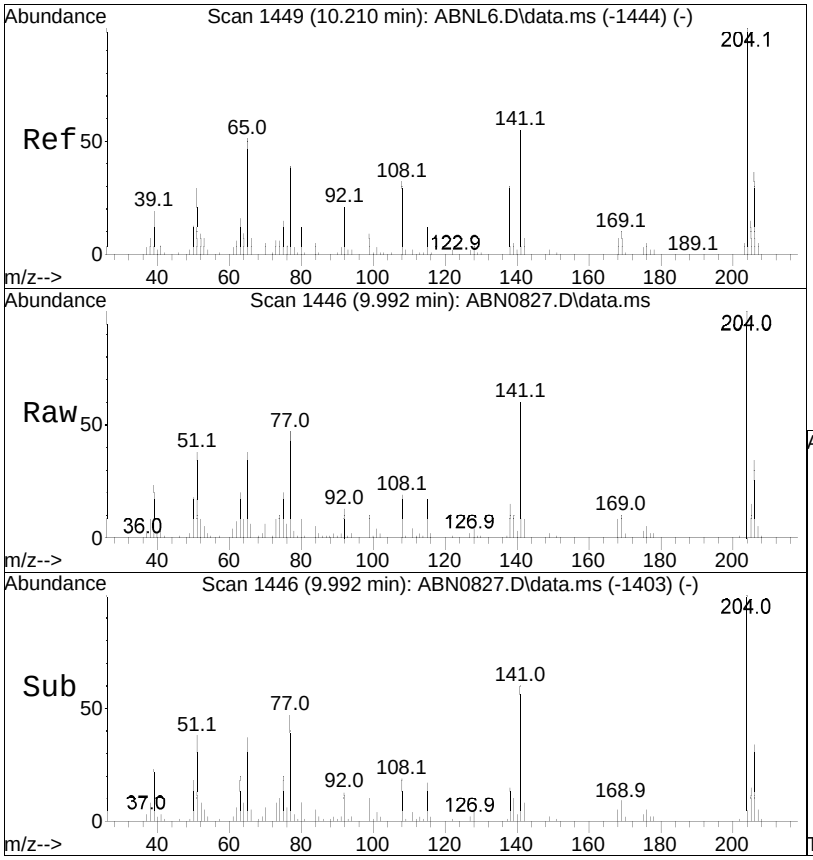


#73
Fluorene
Concen: 4.12 ug/ml
RT: 9.969 min Scan# 1442
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:166 Resp: 185043

Ion	Ratio	Lower	Upper
166	100		
165	99.9	76.2	114.2
167	13.7	10.6	15.8

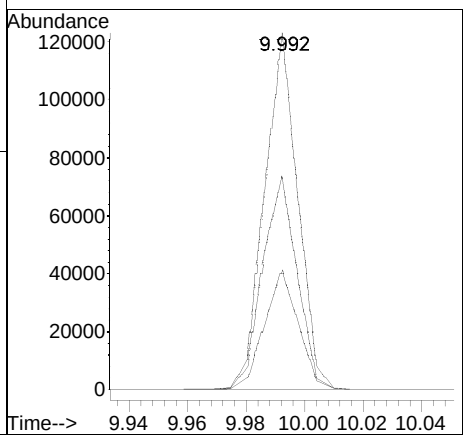


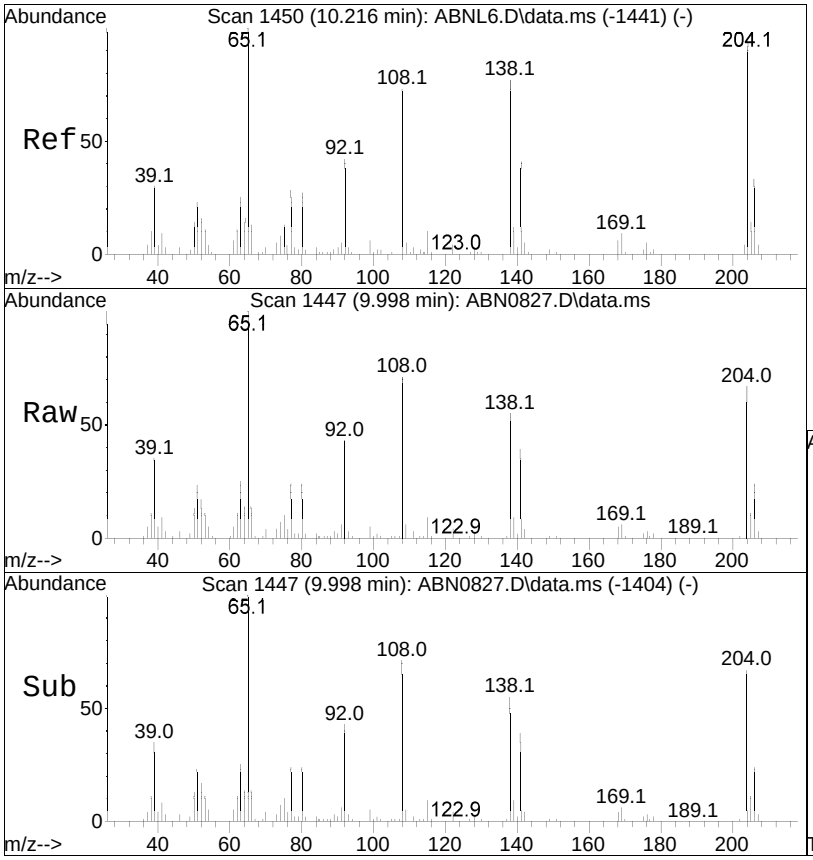


#74
4-Chlorophenyl phenyl ether
Concen: 4.07 ug/ml
RT: 9.992 min Scan# 1446
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:204 Resp: 96307

Ion	Ratio	Lower	Upper
204	100		
206	34.3	25.8	38.6
141	62.1	53.6	80.4

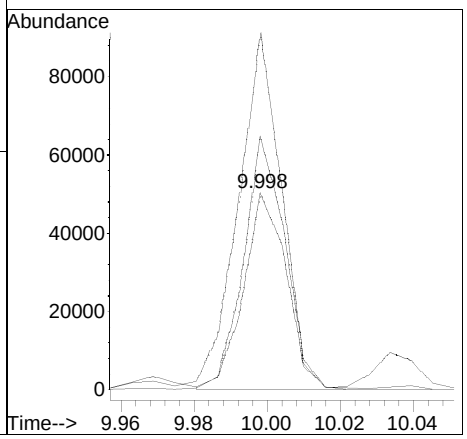


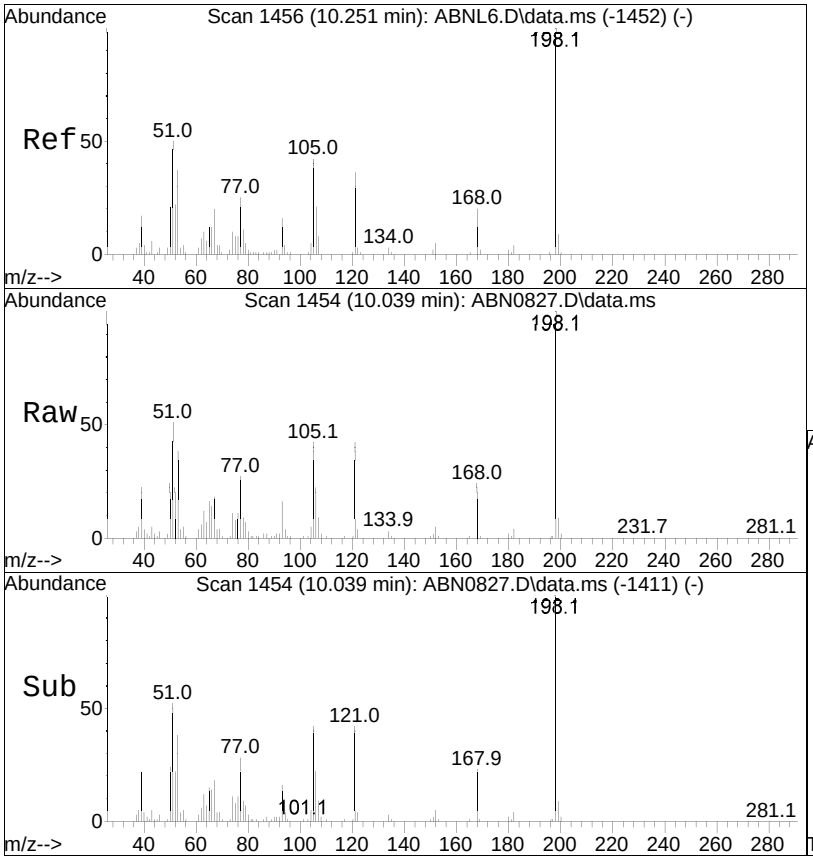


#75
4-Nitroaniline
Concen: 4.15 ug/ml
RT: 9.998 min Scan# 1447
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:138 Resp: 40742

Ion	Ratio	Lower	Upper
138	100		
108	125.4	52.1	78.1#
65	187.8	115.0	172.6#

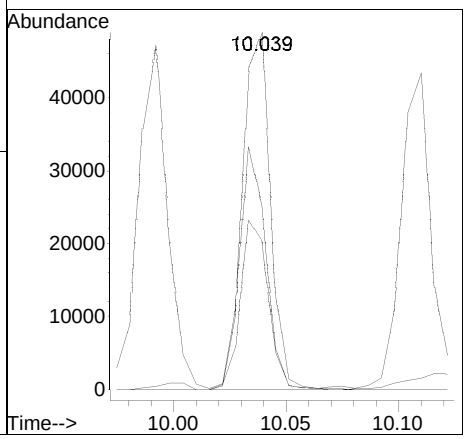


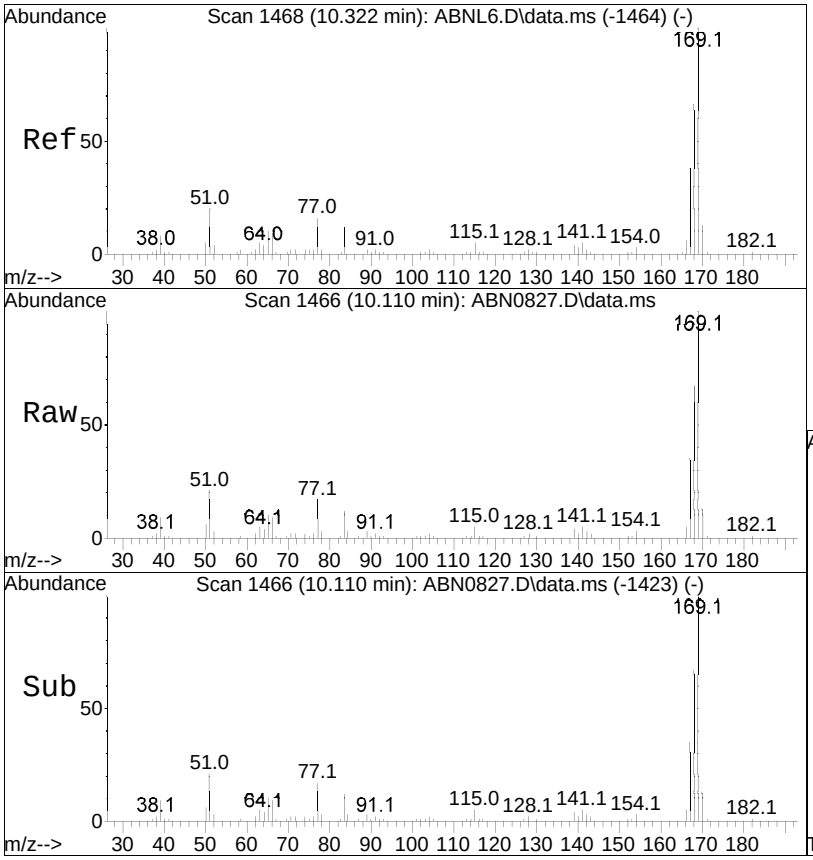


#76
4,6-Dinitro-o-cresol
Concen: 5.38 ug/ml
RT: 10.039 min Scan# 1454
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:198 Resp: 42245

Ion	Ratio	Lower	Upper
198	100		
51	64.3	76.0	114.0#
105	47.2	45.6	68.4

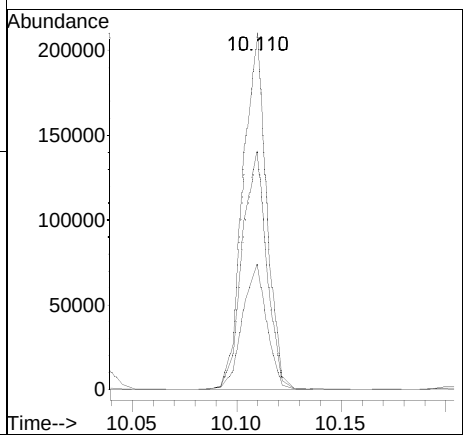


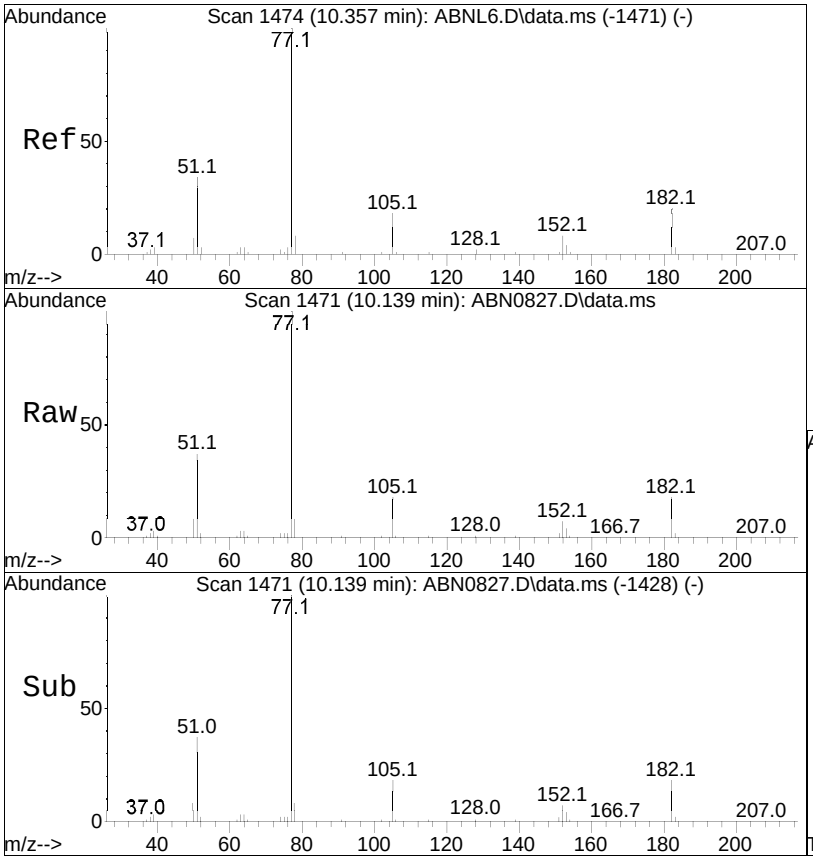


#77
NDPA/DPA
Concen: 4.41 ug/ml
RT: 10.110 min Scan# 1466
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:169 Resp: 164129

Ion	Ratio	Lower	Upper
169	100		
168	69.4	54.0	81.0
167	36.5	28.6	42.8

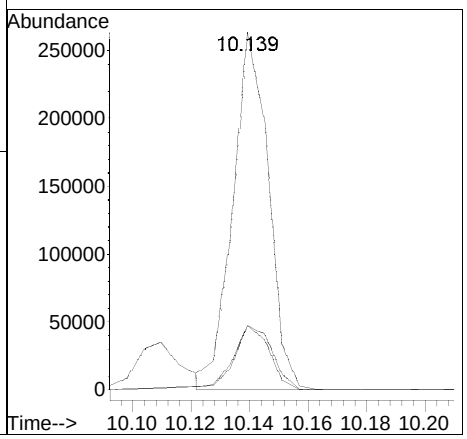


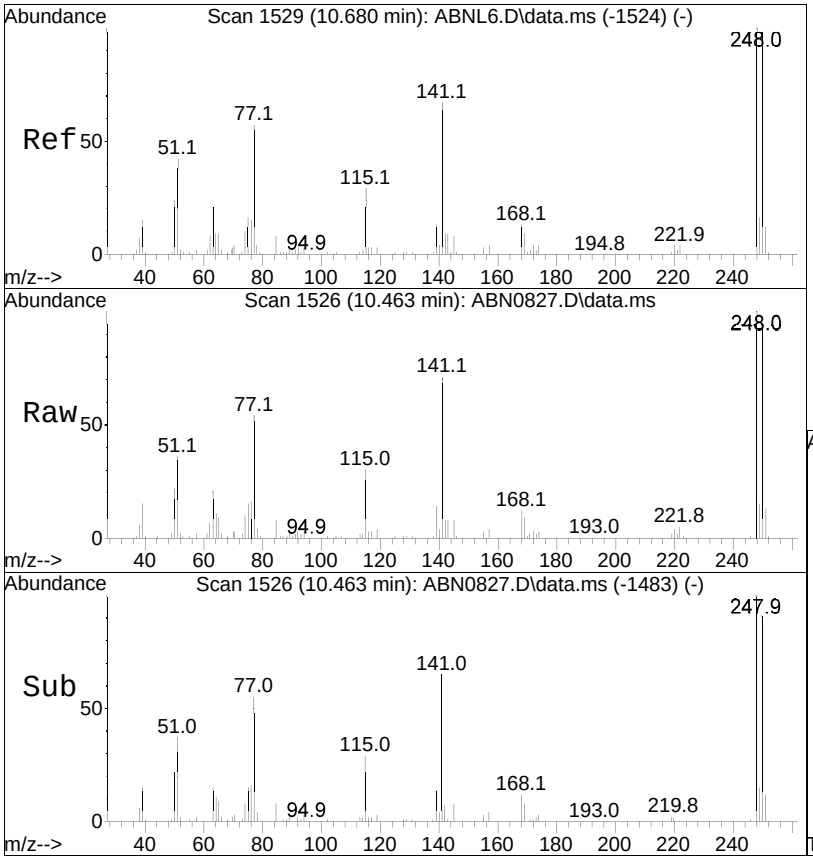


#78
Azobenzene
Concen: 5.18 ug/ml
RT: 10.139 min Scan# 1471
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion: 77 Resp: 220810

Ion	Ratio	Lower	Upper
77	100		
182	20.3	17.4	26.2
105	19.6	15.4	23.2

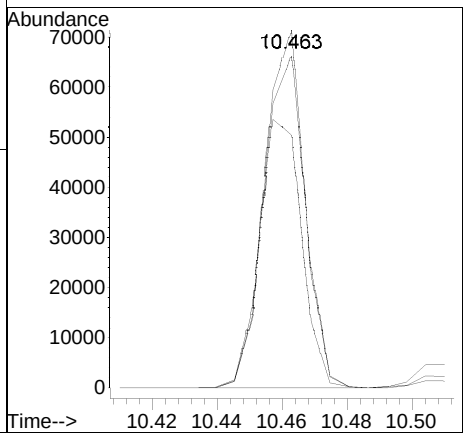


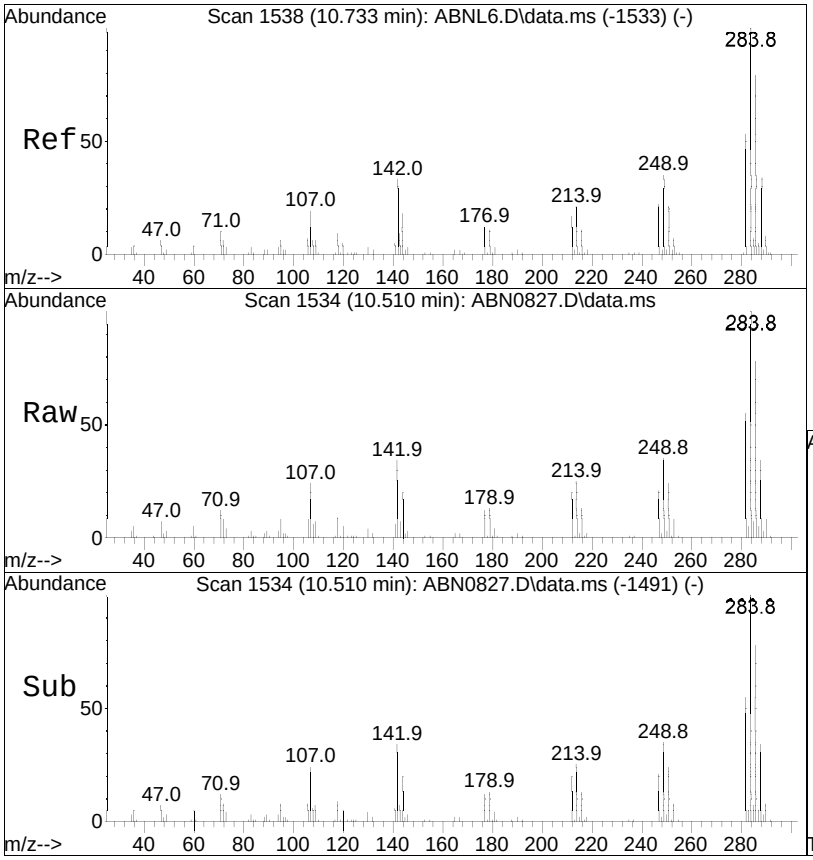


#80
4-Bromophenyl phenyl ether
Concen: 4.14 ug/ml
RT: 10.463 min Scan# 1526
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:248 Resp: 61036

Ion	Ratio	Lower	Upper
248	100		
141	79.2	76.6	114.8
250	96.1	77.3	115.9

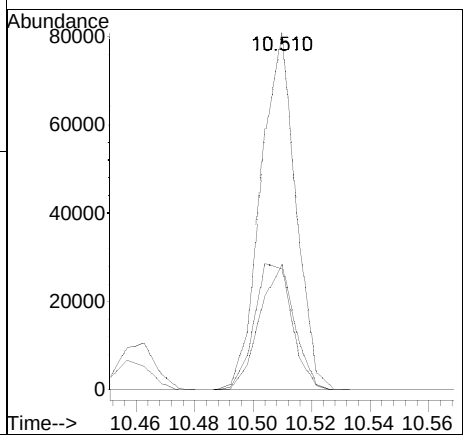


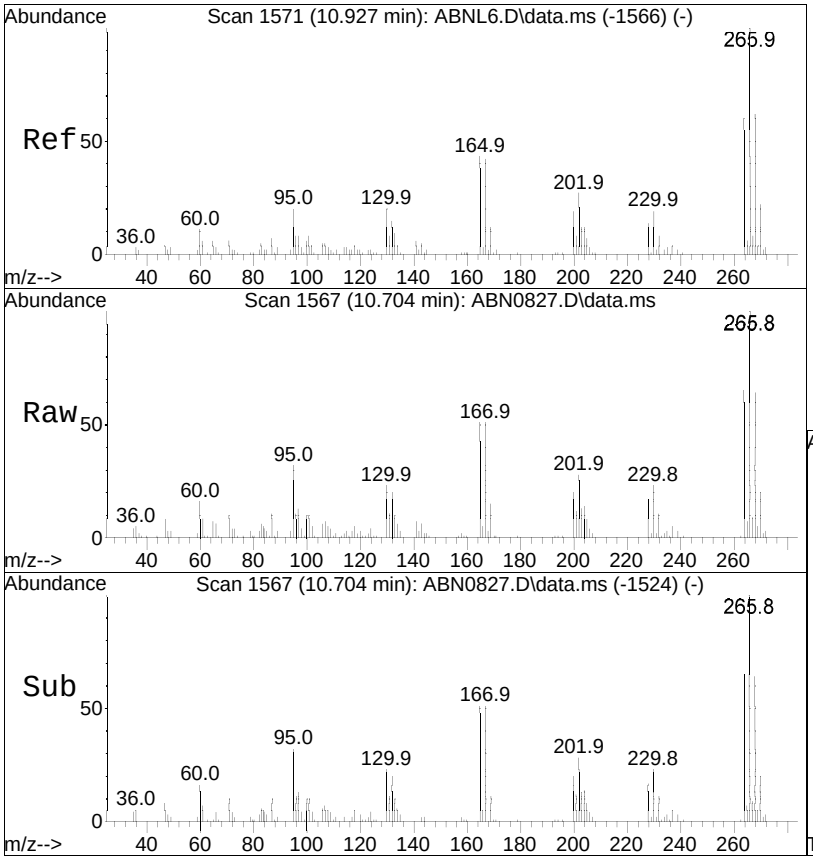


#81
Hexachlorobenzene
Concen: 4.00 ug/ml
RT: 10.510 min Scan# 1534
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:284 Resp: 67109

Ion	Ratio	Lower	Upper
284	100		
142	38.2	41.9	62.9#
249	35.3	24.1	36.1

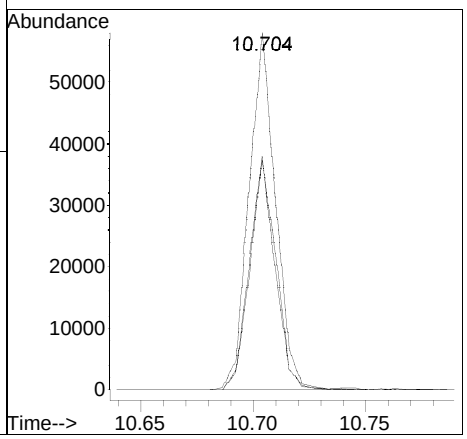


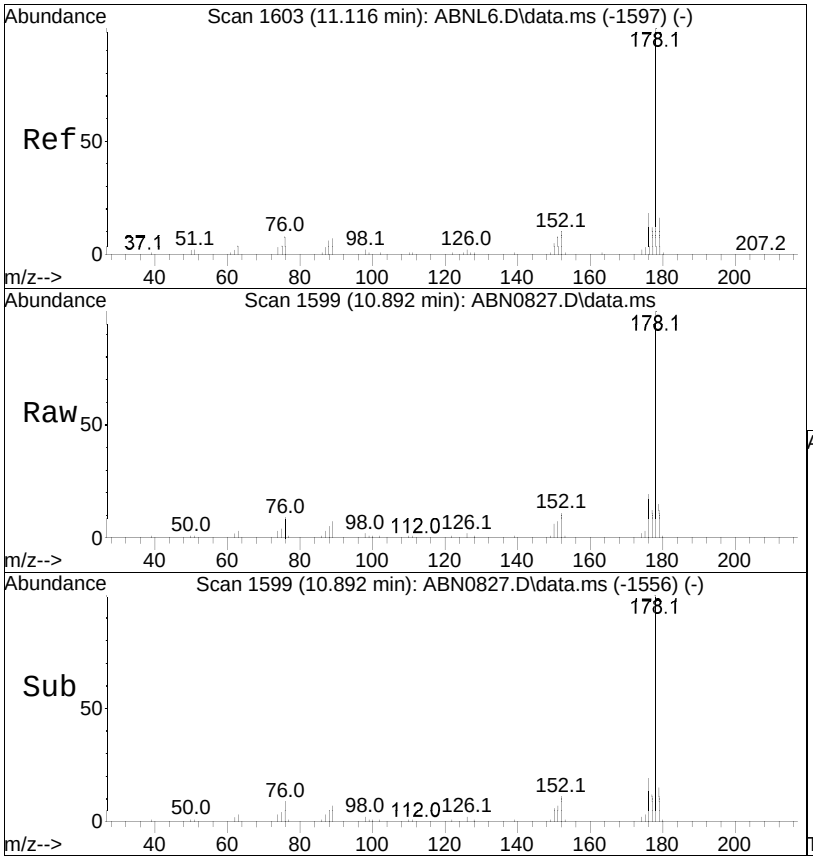


#82
Pentachlorophenol
Concen: 4.49 ug/ml
RT: 10.704 min Scan# 1567
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:266 Resp: 47811

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.7	74.5
268	63.6	50.5	75.7

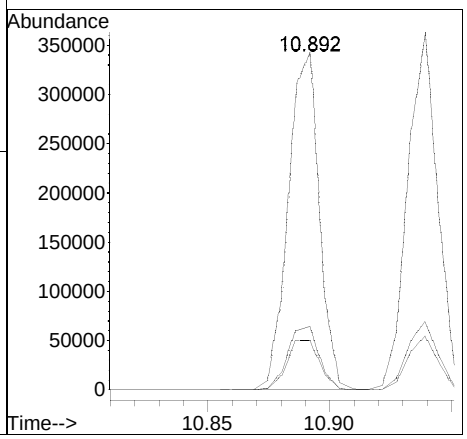


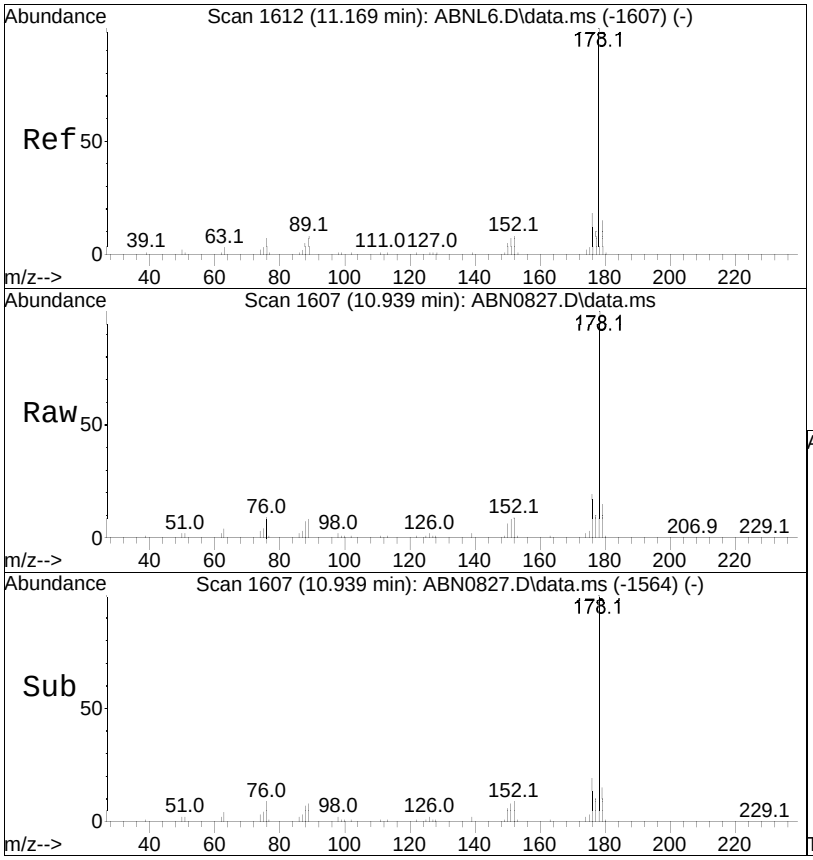


#89
Phenanthrene
Concen: 4.31 ug/ml
RT: 10.892 min Scan# 1599
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:178 Resp: 303415

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.2
176	19.1	15.4	23.2

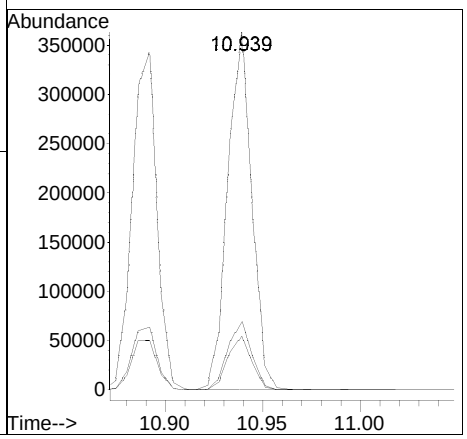


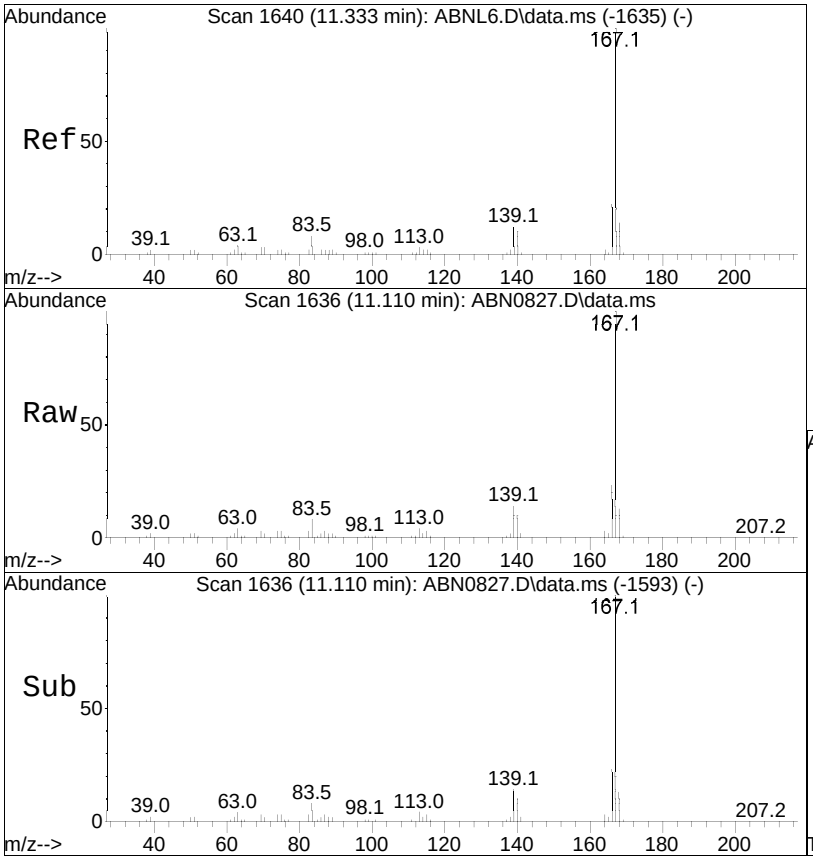


#90
Anthracene
Concen: 4.46 ug/ml
RT: 10.939 min Scan# 1607
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:178 Resp: 312262

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.0	18.0
176	19.2	14.6	22.0

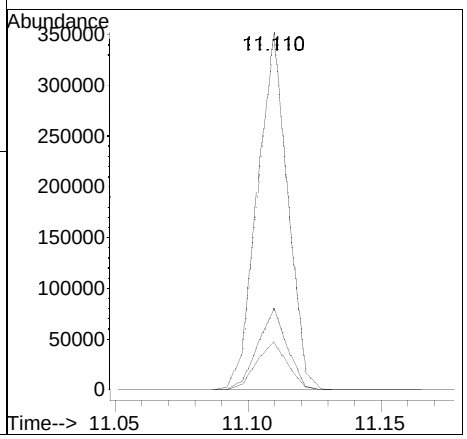


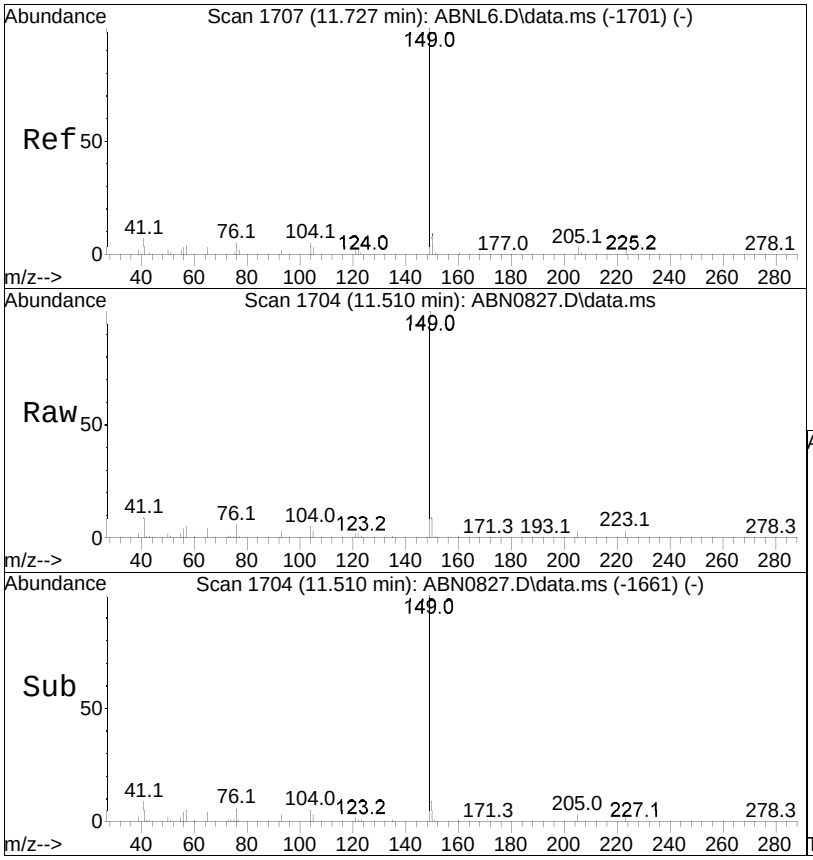


#91
Carbazole
Concen: 4.31 ug/ml
RT: 11.110 min Scan# 1636
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:167 Resp: 276036

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	22.3	17.4	26.0

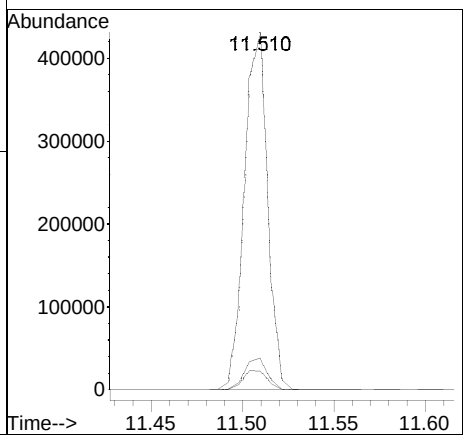


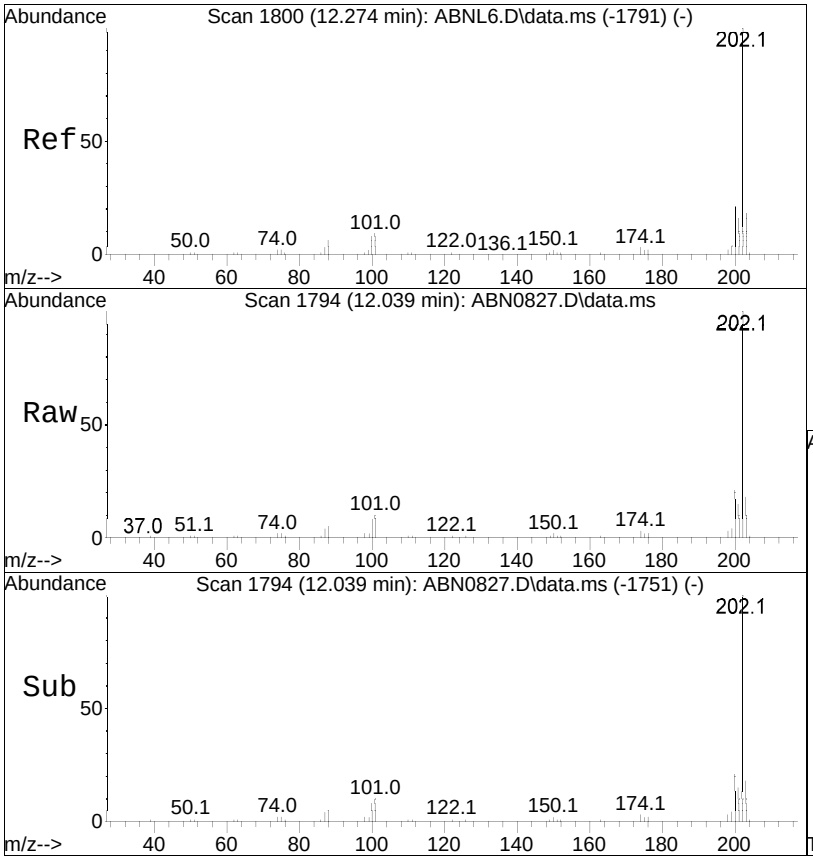


#92
Di-n-butylphthalate
Concen: 4.94 ug/ml
RT: 11.510 min Scan# 1704
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:149 Resp: 372074

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	6.0	4.5	6.7

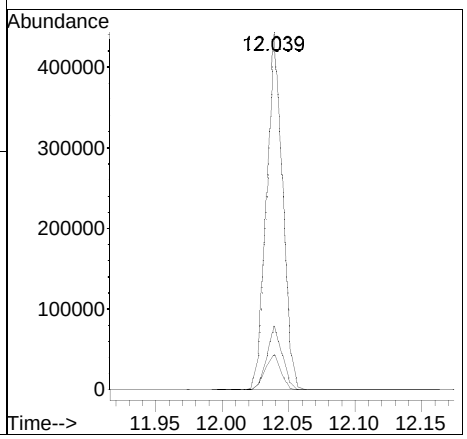


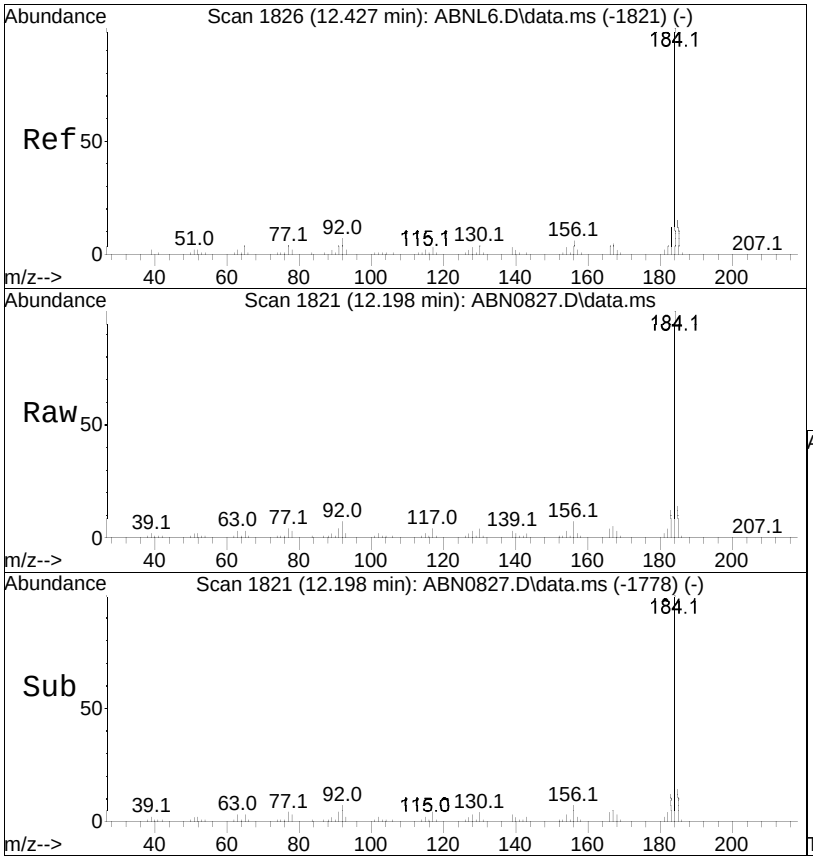


#93
Fluoranthene
Concen: 4.26 ug/ml
RT: 12.039 min Scan# 1794
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:202 Resp: 366224

Ion	Ratio	Lower	Upper
202	100		
101	9.9	13.5	20.3#
203	17.3	13.6	20.4

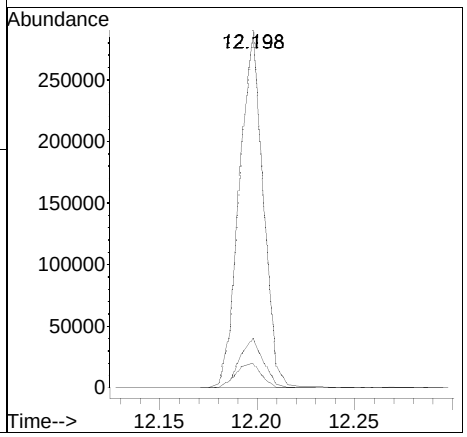


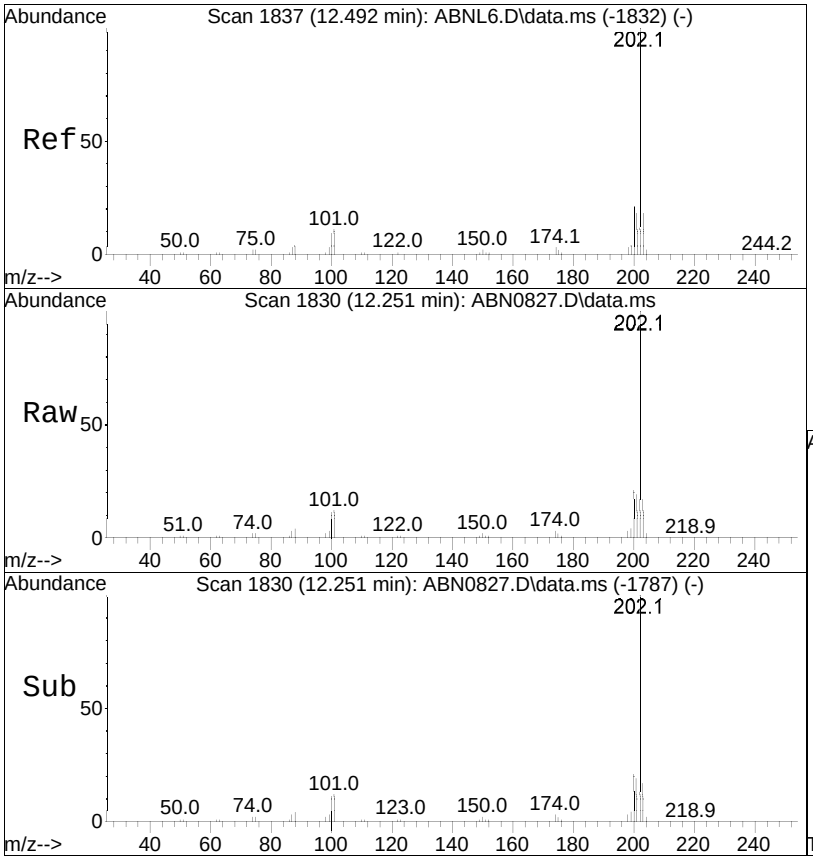


#94
Benzidine
Concen: 5.21 ug/ml
RT: 12.198 min Scan# 1821
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:184 Resp: 243249

Ion	Ratio	Lower	Upper
184	100		
92	7.4	9.1	13.7#
185	14.1	11.1	16.7

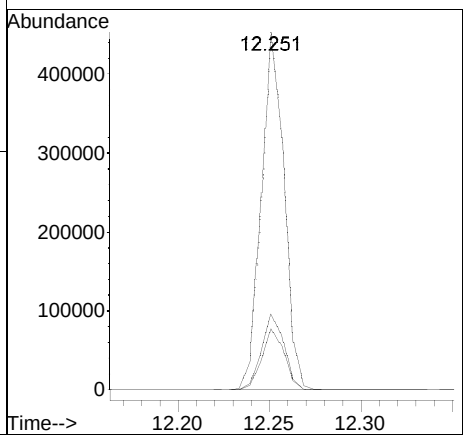


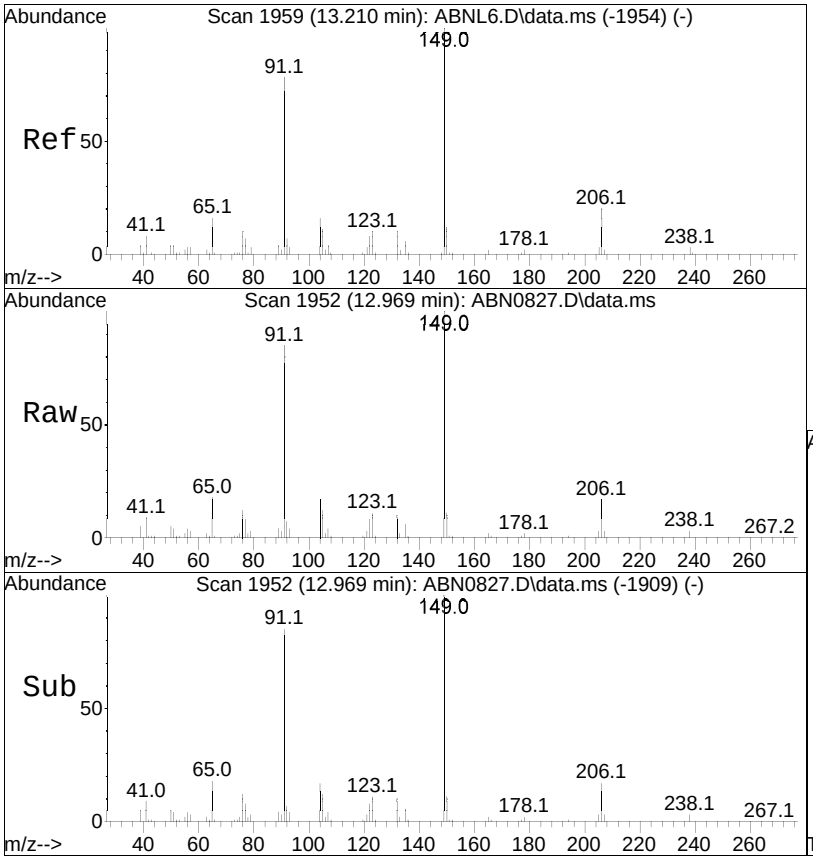


#95
Pyrene
Concen: 4.26 ug/ml
RT: 12.251 min Scan# 1830
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:202 Resp: 386127

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.7	25.1
203	17.1	14.2	21.4

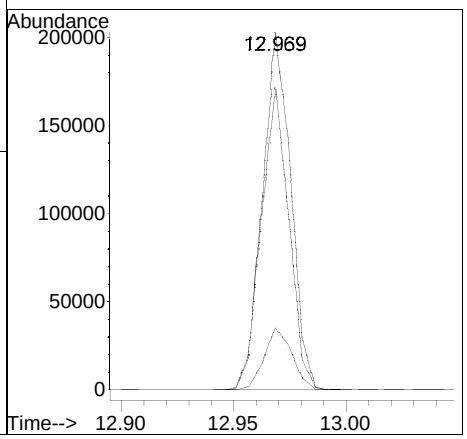


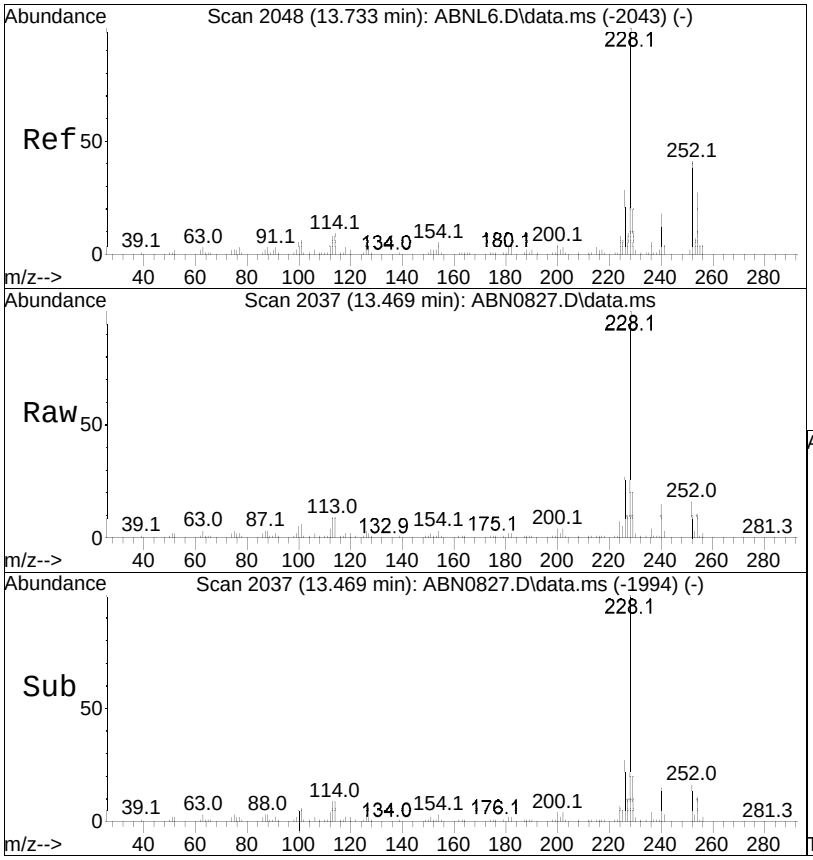


#97
Butyl benzyl phthalate
Concen: 5.06 ug/ml
RT: 12.969 min Scan# 1952
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:149 Resp: 175452

Ion	Ratio	Lower	Upper
149	100		
91	82.7	63.3	94.9
206	17.2	13.9	20.9

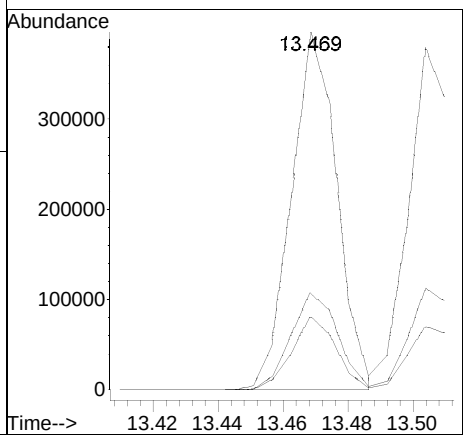


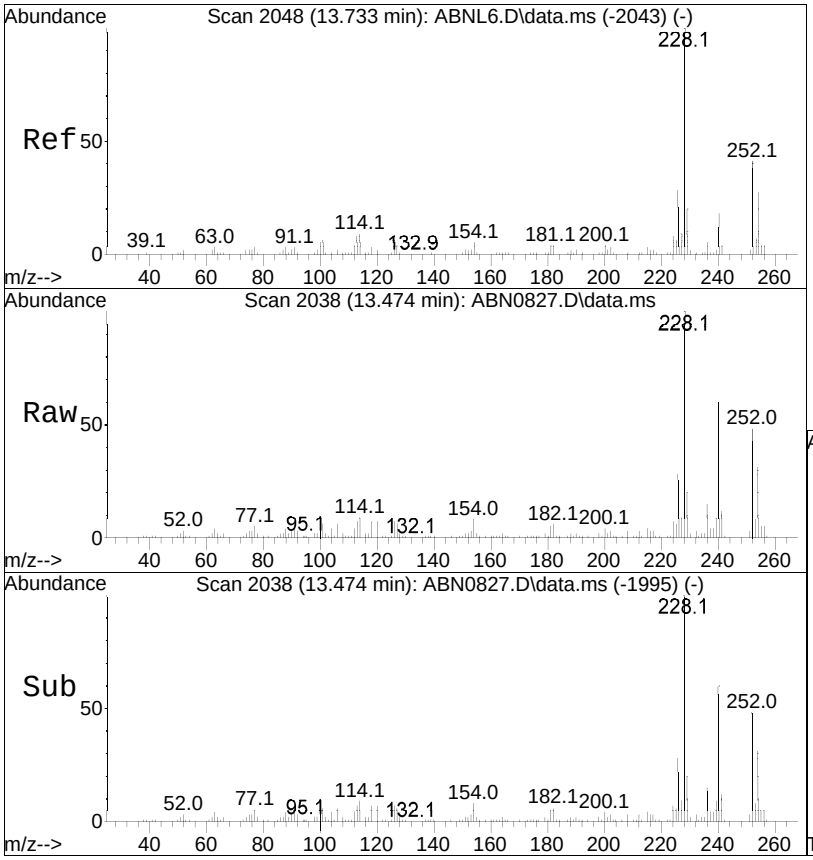


#105
Benzo(a)anthracene
Concen: 4.24 ug/ml
RT: 13.469 min Scan# 2037
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:228 Resp: 386407

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	19.9	15.6	23.4

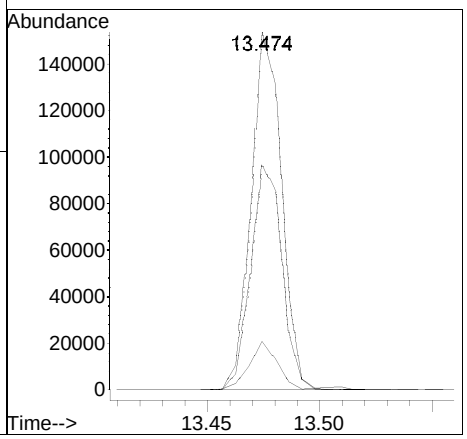


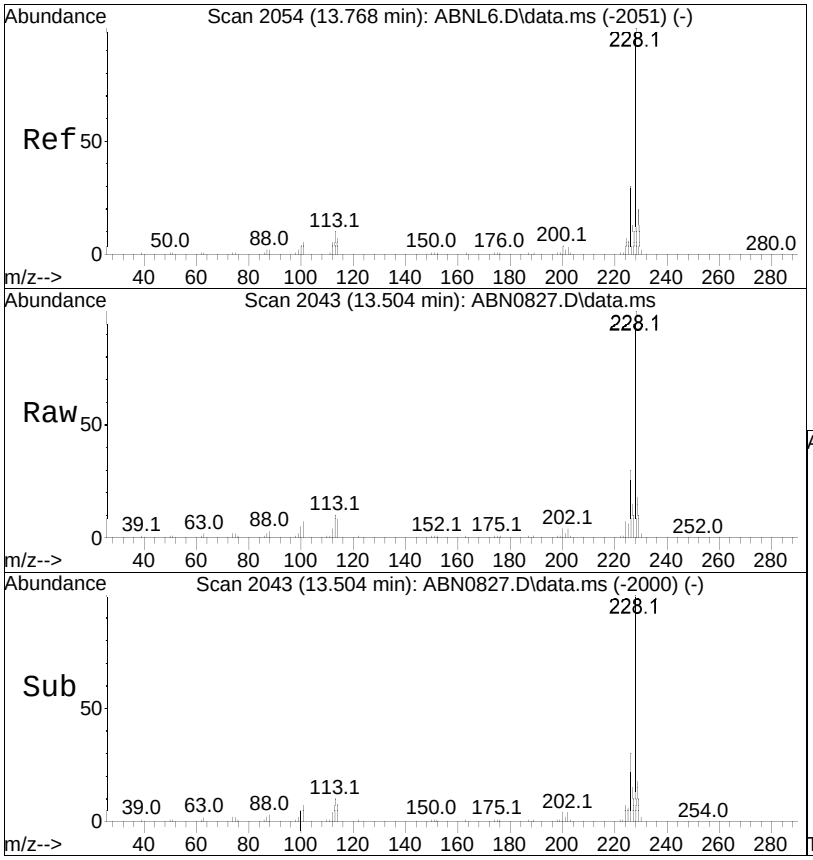


#106
3,3'-Dichlorobenzidine
Concen: 4.76 ug/ml
RT: 13.474 min Scan# 2038
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:252 Resp: 143628

Ion	Ratio	Lower	Upper
252	100		
126	13.0	14.5	21.7#
254	64.6	51.2	76.8

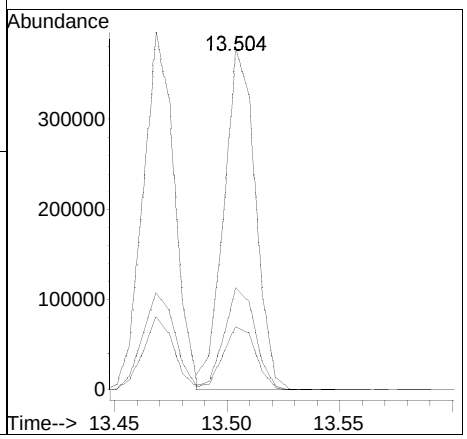


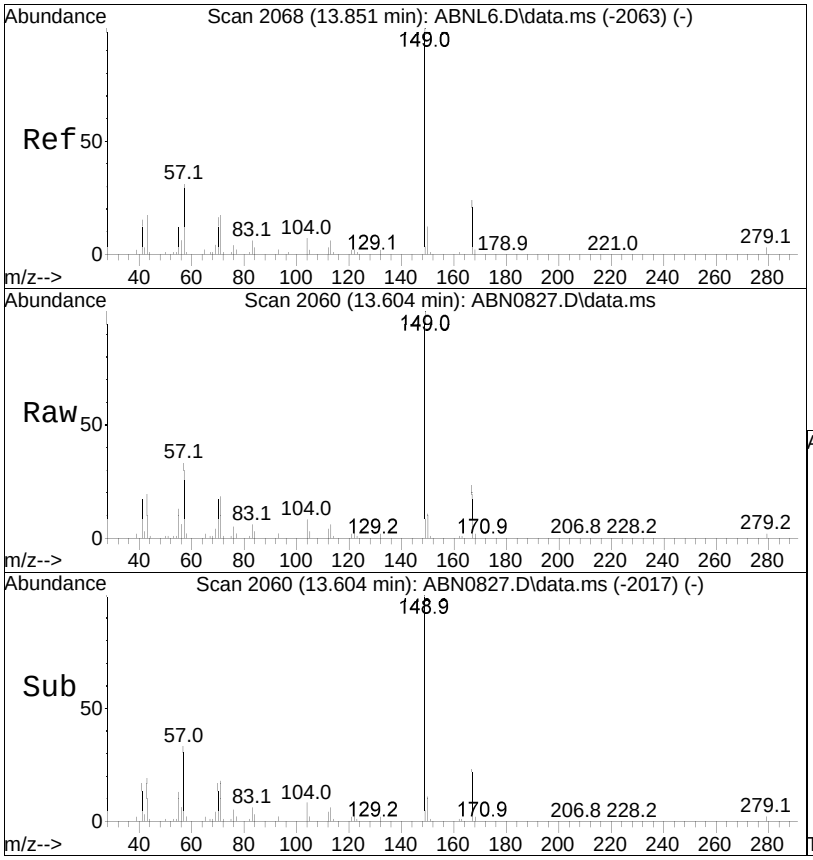


#107
Chrysene
Concen: 4.18 ug/ml
RT: 13.504 min Scan# 2043
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:228 Resp: 368189

Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	19.2	15.8	23.8

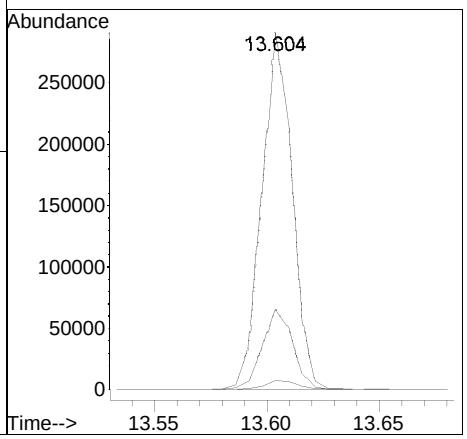


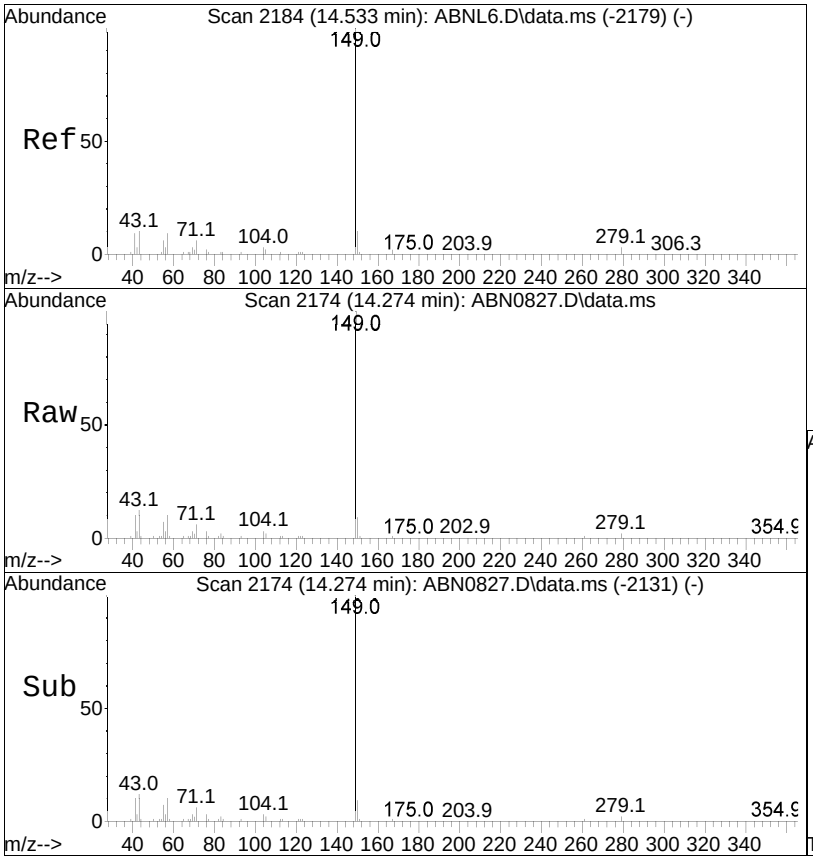


#108
Bis(2-ethylhexyl)phthalate
Concen: 5.36 ug/ml
RT: 13.604 min Scan# 2060
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:149 Resp: 270240

Ion	Ratio	Lower	Upper
149	100		
167	22.6	22.1	33.1
279	2.6	3.0	4.4#

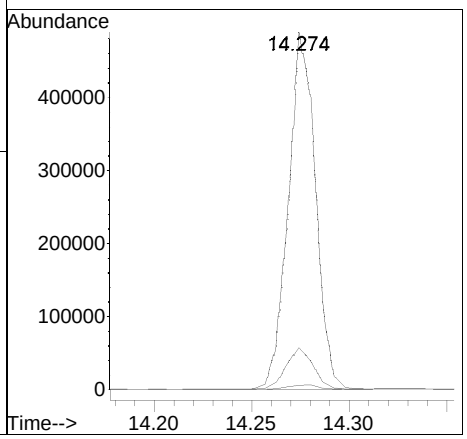


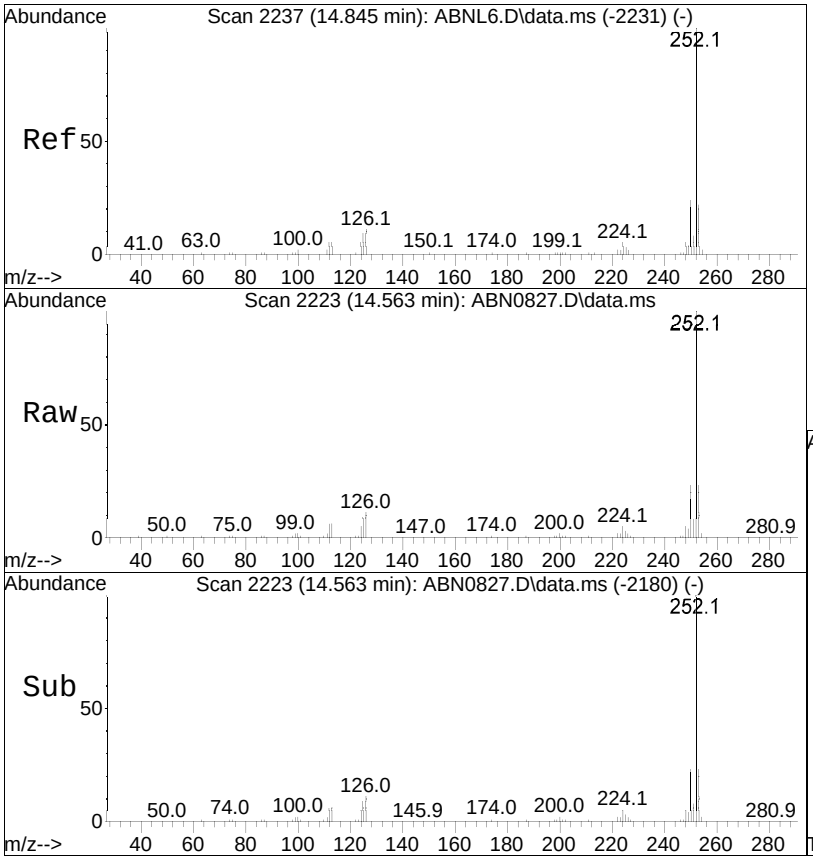


#109
Di-n-octylphthalate
Concen: 5.60 ug/ml
RT: 14.274 min Scan# 2174
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:149 Resp: 466804

Ion	Ratio	Lower	Upper
149	100		
43	11.8	18.8	28.2#
167	1.3	1.3	1.9

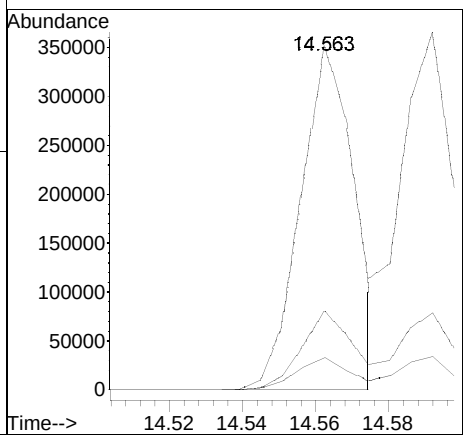


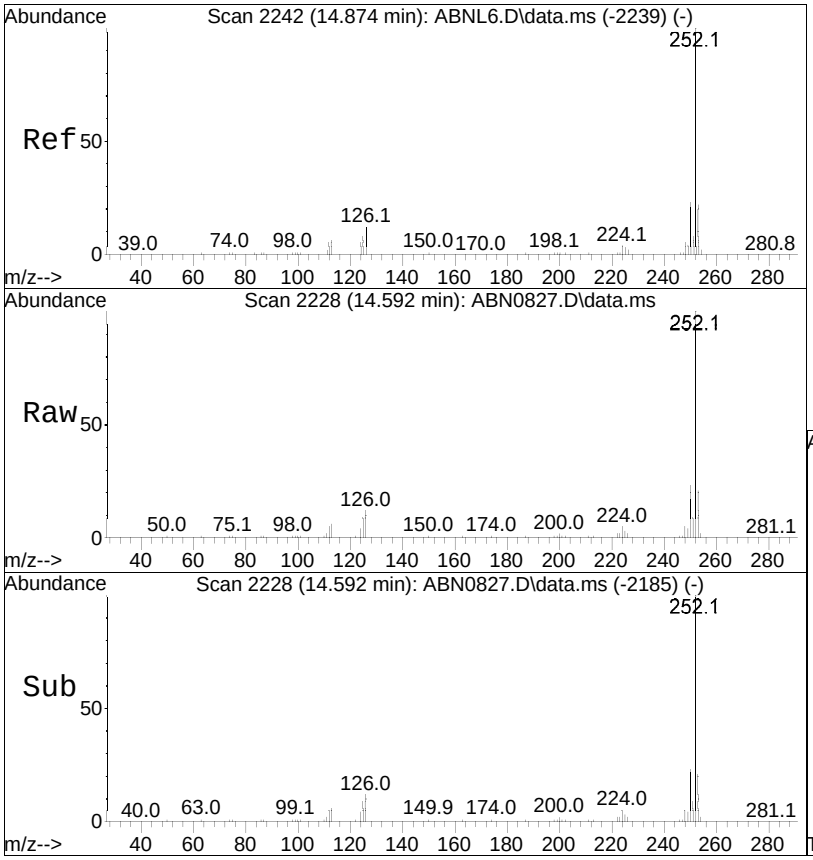


#110
Benzo(b)fluoranthene
Concen: 4.11 ug/ml
RT: 14.563 min Scan# 2223
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:252 Resp: 362179

Ion	Ratio	Lower	Upper
252	100		
125	9.4	13.3	19.9#
253	21.9	17.1	25.7

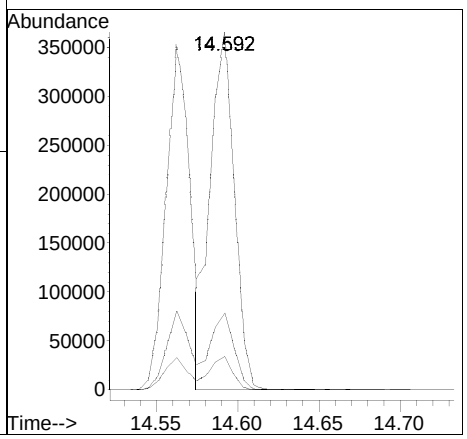


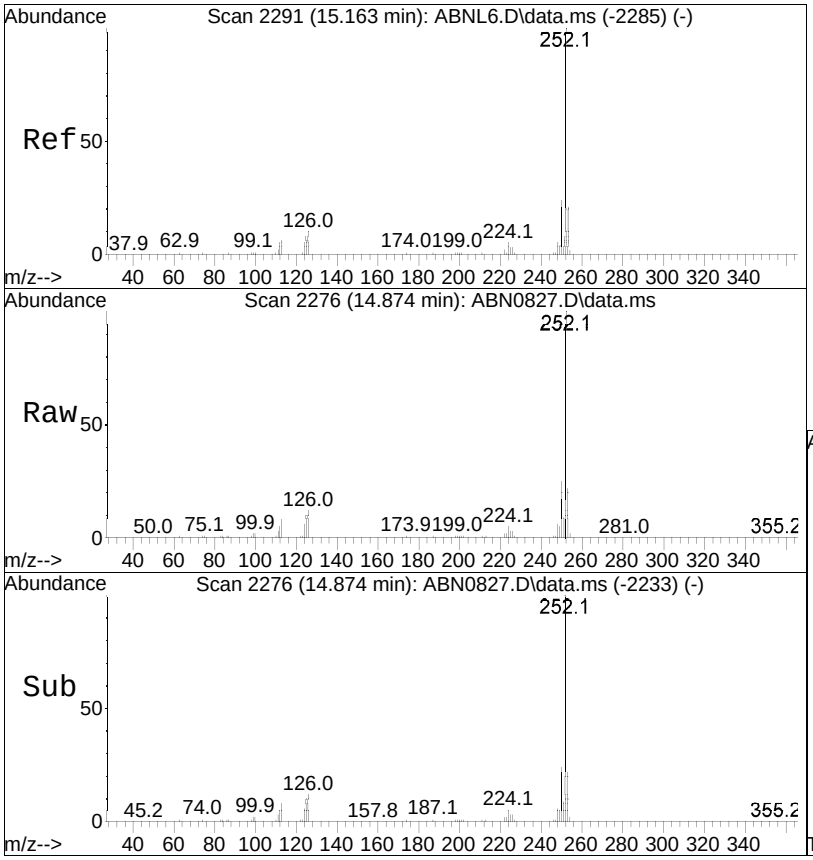


#111
Benzo(k)fluoranthene
Concen: 4.48 ug/ml
RT: 14.592 min Scan# 2228
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:252 Resp: 375057

Ion	Ratio	Lower	Upper
252	100		
125	8.9	13.0	19.6#
253	21.3	16.8	25.2

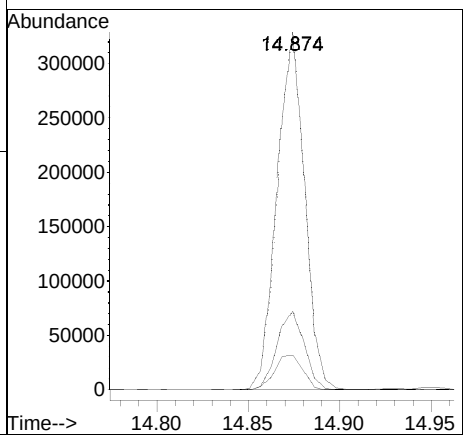


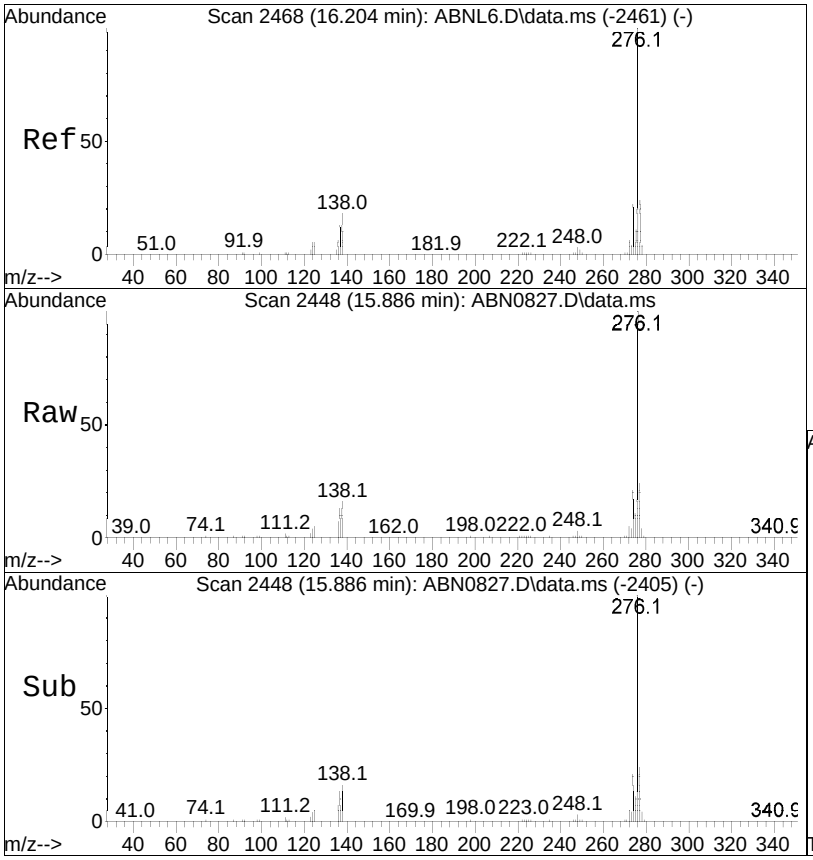


#112
Benzo(a)pyrene
Concen: 4.46 ug/ml
RT: 14.874 min Scan# 2276
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:252 Resp: 341290

Ion	Ratio	Lower	Upper
252	100		
125	10.2	14.2	21.2#
253	22.2	16.9	25.3

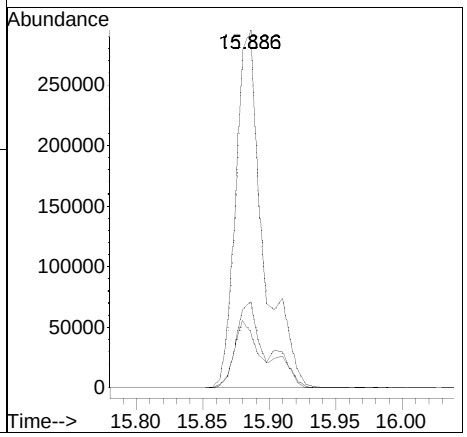


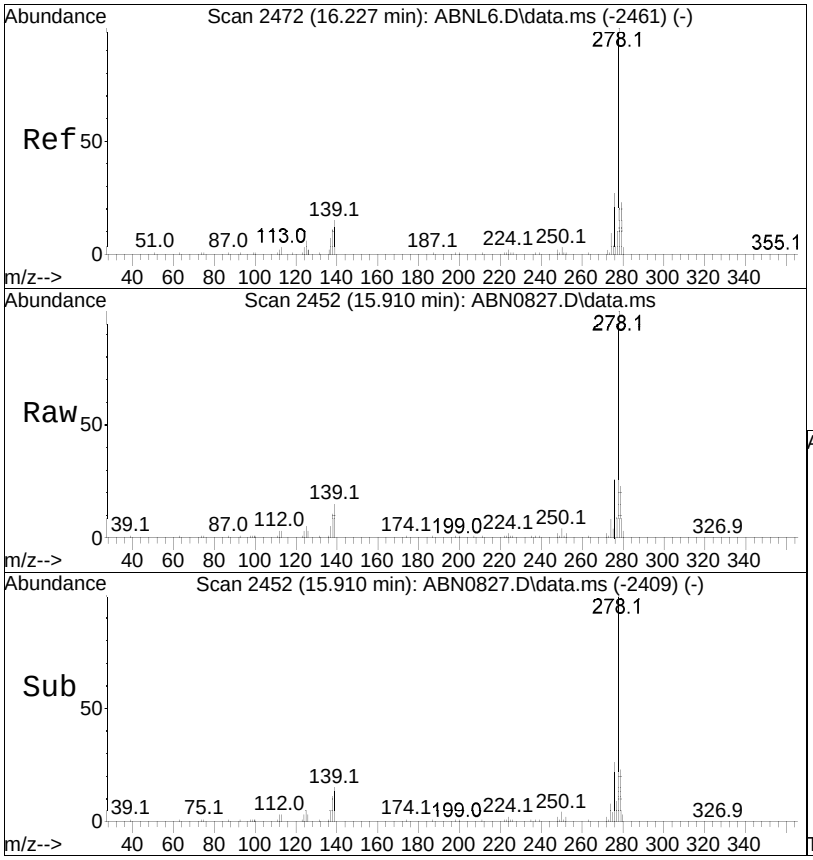


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.65 ug/mL
RT: 15.886 min Scan# 2448
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:276 Resp: 419800

Ion	Ratio	Lower	Upper
276	100		
138	16.6	25.1	37.7#
277	26.5	18.6	28.0

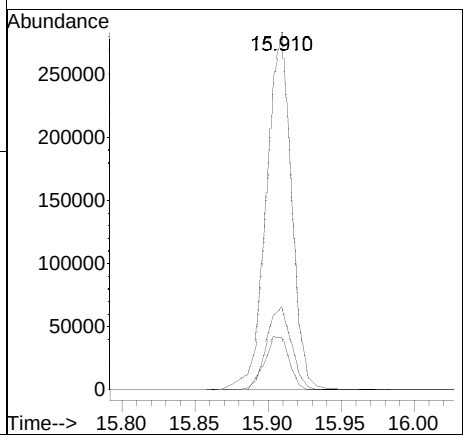


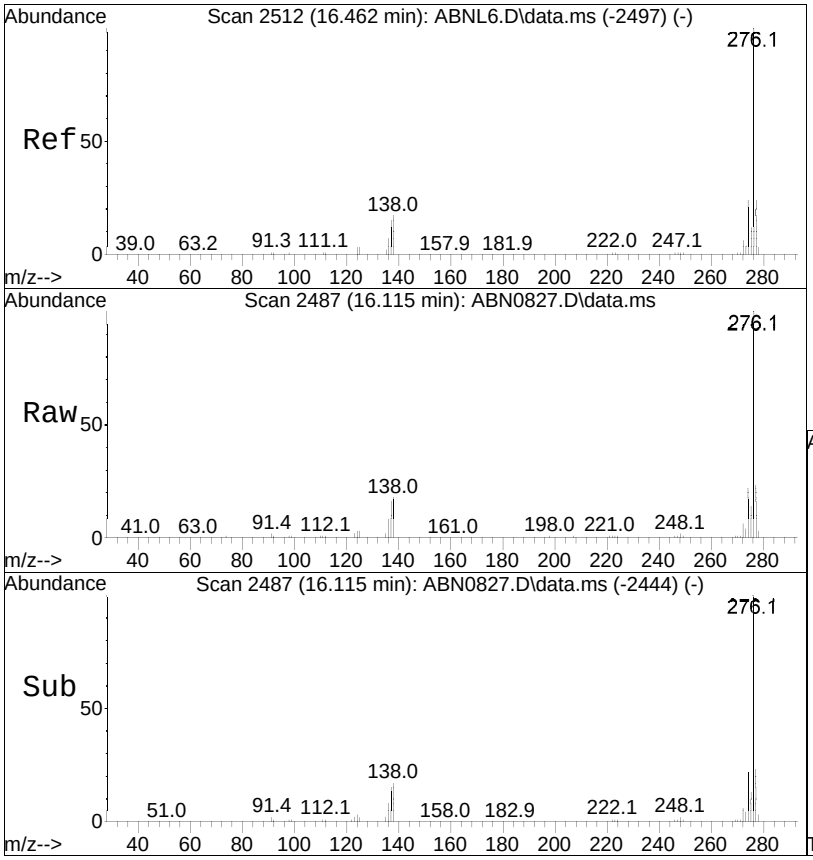


#115
Dibenzo(a,h)anthracene
Concen: 4.73 ug/ml
RT: 15.910 min Scan# 2452
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:278 Resp: 338689

Ion	Ratio	Lower	Upper
278	100		
139	14.7	20.8	31.2#
279	23.2	18.3	27.5

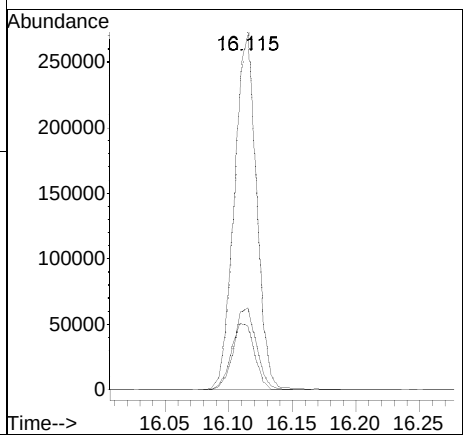




#116
Benzo(ghi)perylene
Concen: 4.96 ug/ml
RT: 16.115 min Scan# 2487
Delta R.T. 0.000 min
Lab File: ABN0827.D
Acq: 27 Aug 2024 6:53 am

Tgt Ion:276 Resp: 328251

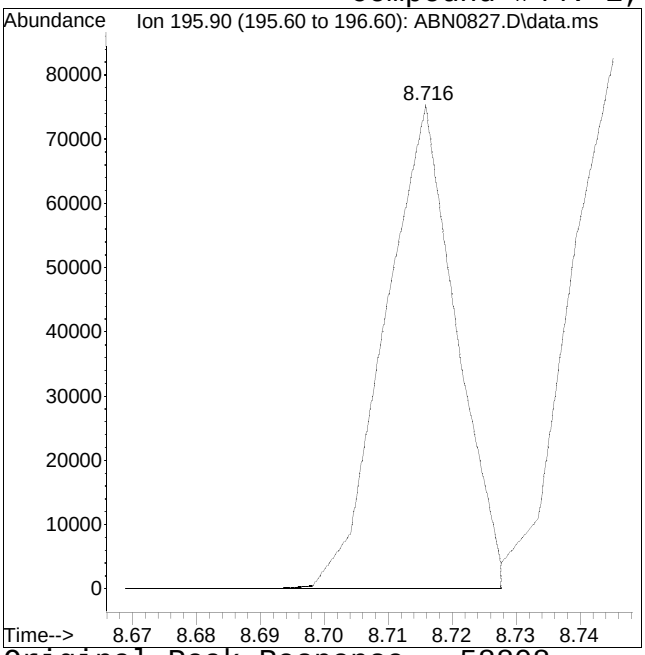
Ion	Ratio	Lower	Upper
276	100		
138	19.7	29.2	43.8#
277	23.3	18.8	28.2



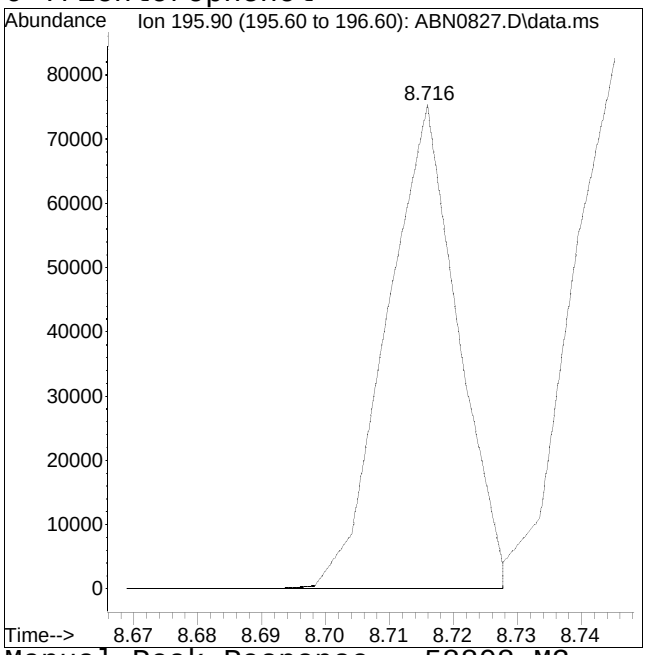
Manual Integration Report

Data Path : I:\8270\SV106\240827RVT\ QMethod : FS240624SV106.m
Data File : ABN0827.D Operator : SV106:im
Date Inj'd : 8/27/2024 6:53 am Instrument : SV 106
Sample : WG1964242-3,32,,ABN 10908 Quant Date : 8/27/2024 7:47 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 58808



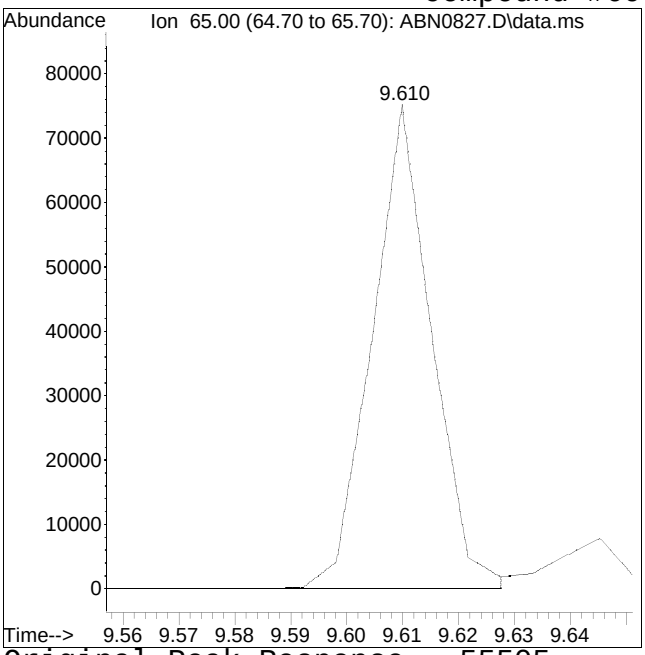
Manual Peak Response = 58808 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

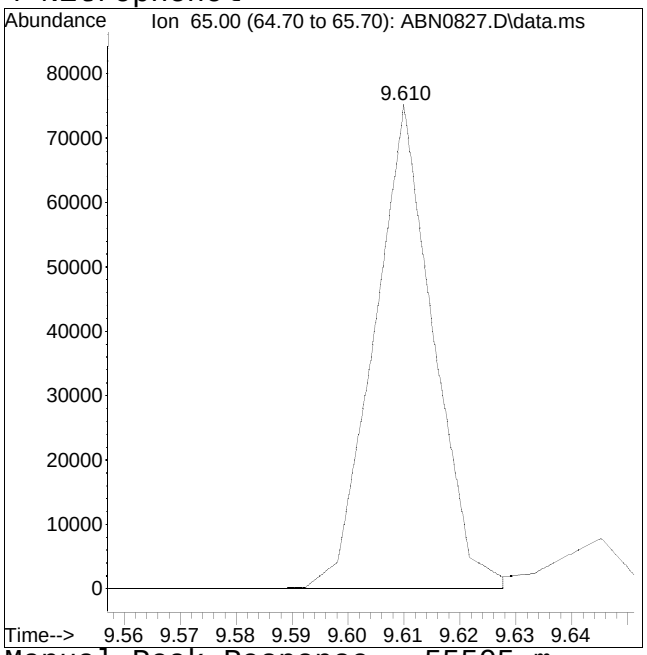
Manual Integration Report

Data Path : I:\8270\SV106\240827RVT\ QMethod : FS240624SV106.m
Data File : ABN0827.D Operator : SV106:im
Date Inj'd : 8/27/2024 6:53 am Instrument : SV 106
Sample : WG1964242-3,32,,ABN 10908 Quant Date : 8/27/2024 7:47 am

Compound #69: 4-Nitrophenol



Original Peak Response = 55505



Manual Peak Response = 55505 m

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240827RVT\
Data File : AP90827.D
Acq On : 27 Aug 2024 7:17 am
Operator : SV106:im
Sample : WG1964242-4,32,,AP9 10909 HNY0826A
Misc : WG1964242,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 27 13:32:05 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:49:39 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00
28	T	Benzaldehyde	1.187	1.094	7.8	106	0.00
29	T	Acetophenone	2.158	1.959	9.2	104	0.00
30	T	m-Toluidine	1.957	1.830	6.5	107	0.00
31	T	2-Chloroaniline	1.709	1.430	16.3	96	0.00
55	I	IS2_Naphthalene-d8	1.000	1.000	0.0	111	0.00
56	T	a-Terpineol	0.400	0.383	4.3	107	0.00
57	T	3-Chloroaniline	0.201	0.205	-2.0	114	0.00
58	T	2,6-Dichlorophenol	0.362	0.312	13.8	92	0.00
59	T	1-chloro-2-nitrobenzene	0.180	0.176	2.2	105	0.00
60	T	Caprolactam	0.210	0.210	0.0	103	0.00
61	T	1,2,4,5-Tetrachlorobenzene	0.548	0.420	23.4#	88	0.00
62	T	Biphenyl	1.084	0.842	22.3#	88	0.00
83	I	IS2_Acenaphthene-d10	1.000	1.000	0.0	112	0.00
84	T	Dichloran	0.247	0.181	26.7#	77	0.00
85	T	Pentachloronitrobenzene	0.270	0.228	15.6	88	0.00
98	I	IS2_Phenanthrene-d10	1.000	1.000	0.0	102	0.00
99	T	Diphenamid	0.561	0.449	20.0	80	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : AP90827.D
Acq On : 27 Aug 2024 7:17 am
Operator : SV106:im
Sample : WG1964242-4,32,,AP9 10909 HNY0826A
Misc : WG1964242,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 27 13:32:05 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:49:39 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.228	152	36294	4.000	ug/ml	# 0.00
55) IS2_Naphthalene-d8	7.669	136	126390	4.000	ug/ml	# 0.00
83) IS2_Acenaphthene-d10	9.433	164	82293	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	10.868	188	176190	4.000	ug/ml	# 0.00
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.634	105	49639	4.607	ug/ml	88
29) Acetophenone	6.739	105	88883	4.539	ug/ml#	86
30) m-Toluidine	6.845	106	83024	4.676	ug/ml	94
31) 2-Chloroaniline	7.251	127	64884	4.184	ug/ml	96
56) a-Terpineol	7.751	59	60521	4.787	ug/ml	89
57) 3-Chloroaniline	7.763	65	32388	5.108	ug/ml#	52
58) 2,6-Dichlorophenol	7.786	162	49350	4.319	ug/ml	96
59) 1-chloro-2-nitrobenzene	8.057	111	27860	4.893	ug/ml#	1
60) Caprolactam	8.098	55	33160	4.997	ug/ml#	81
61) 1,2,4,5-Tetrachloroben...	8.592	216	66349	3.828	ug/ml	97
62) Biphenyl	8.886	154	133095	3.885	ug/ml	99
84) Dichloran	10.569	206	18604	3.659	ug/ml#	80
85) Pentachloronitrobenzene	10.721	237	23489	4.227	ug/ml#	78
99) Diphenamid	11.780	167	98883	4.000	ug/ml	96

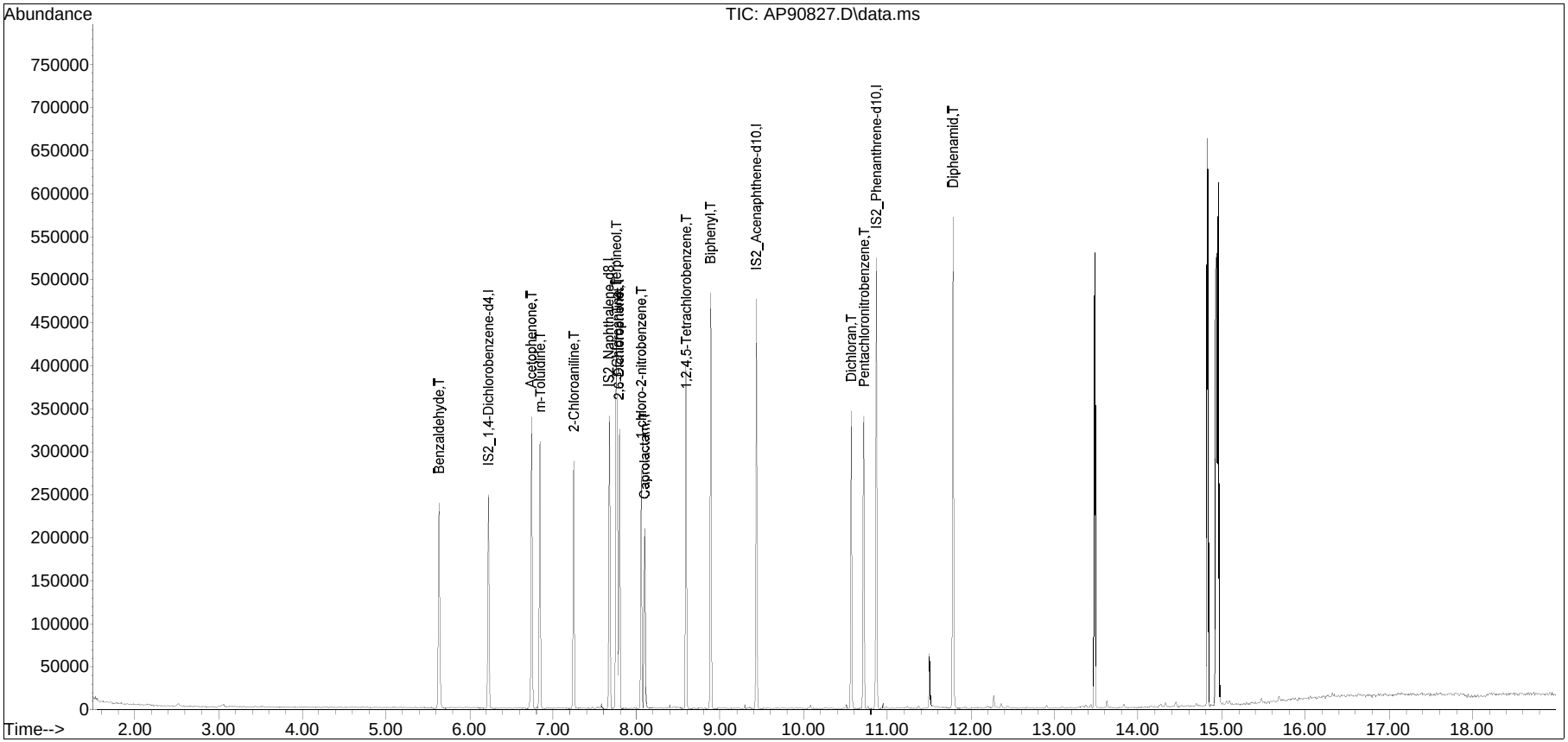
(#) = qualifier out of range (m) = manual integration (+) = signals summed

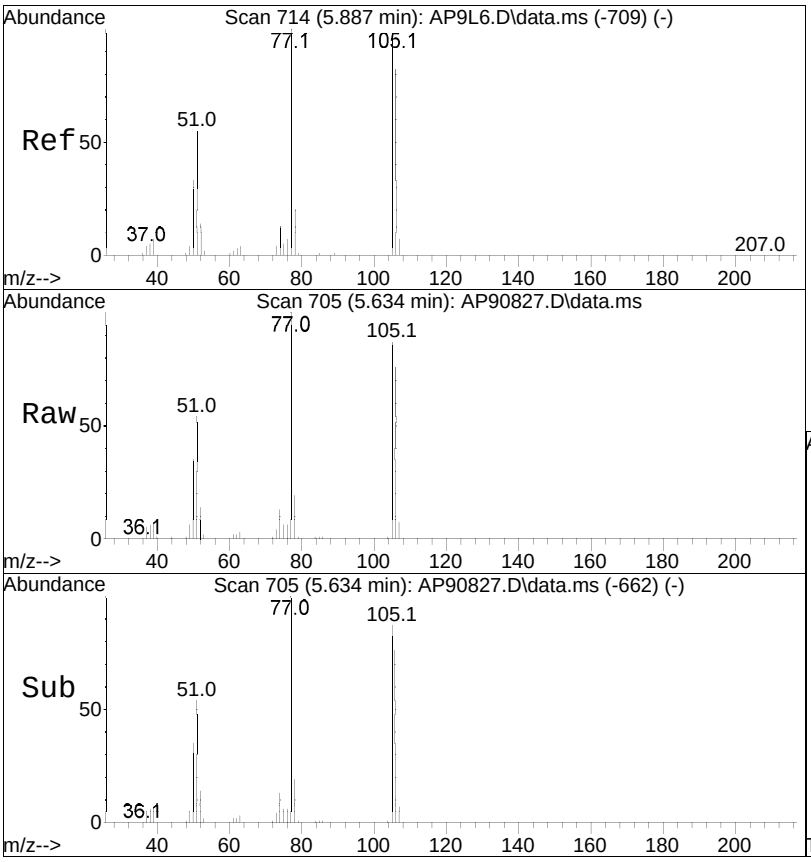
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : AP90827.D
Acq On : 27 Aug 2024 7:17 am
Operator : SV106:im
Sample : WG1964242-4,32,,AP9 10909 HNY0826A
Misc : WG1964242,,ical21231
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Aug 27 13:32:05 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 07:49:39 2024
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

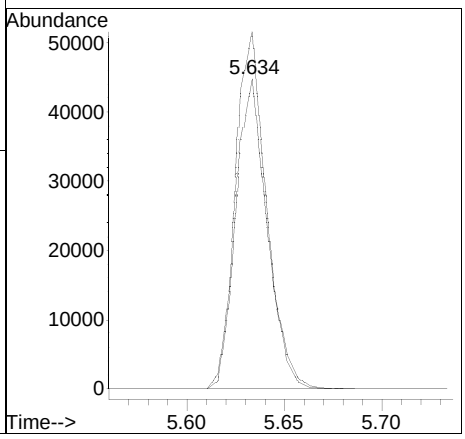


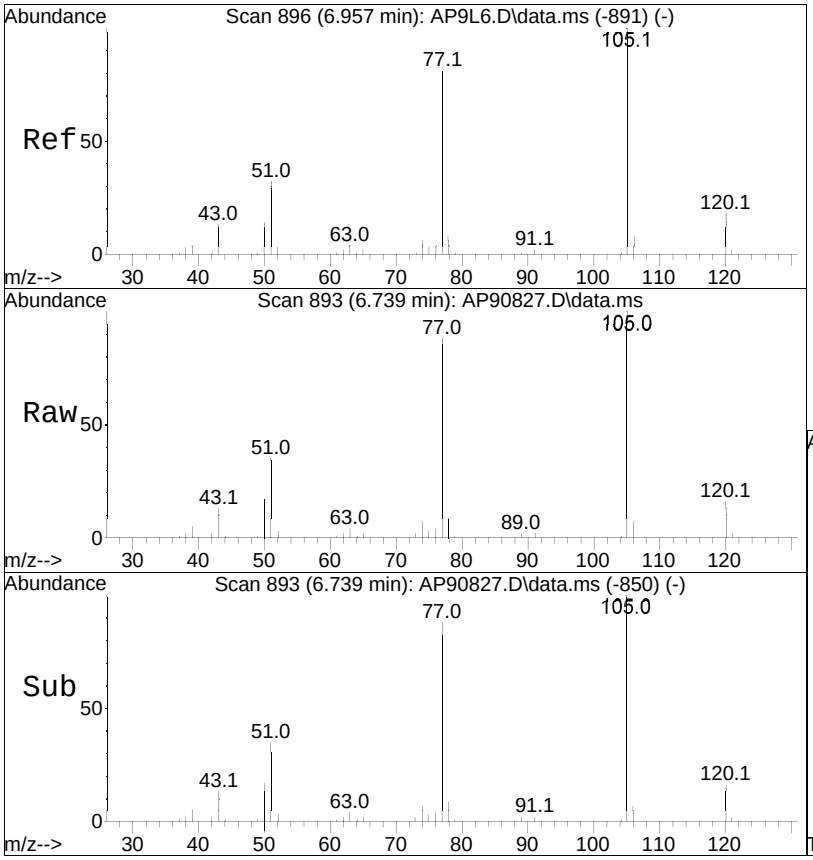


#28
Benzaldehyde
Concen: 4.61 ug/ml
RT: 5.634 min Scan# 705
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:105 Resp: 49639

Ion	Ratio	Lower	Upper
105	100		
77	115.5	82.2	123.4

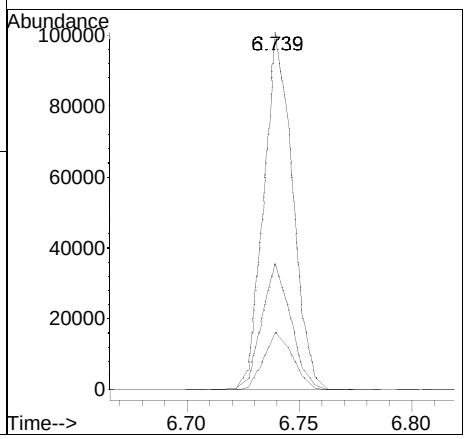


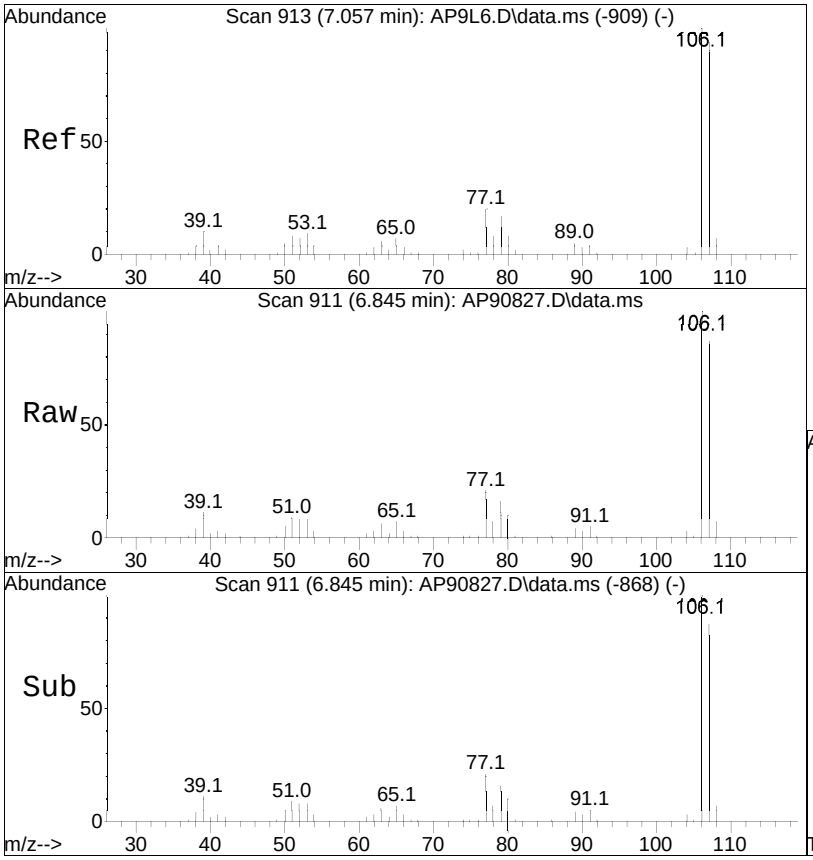


#29
Acetophenone
Concen: 4.54 ug/ml
RT: 6.739 min Scan# 893
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:105 Resp: 88883

Ion	Ratio	Lower	Upper
105	100		
120	16.5	20.5	30.7#
51	36.3	34.9	52.3

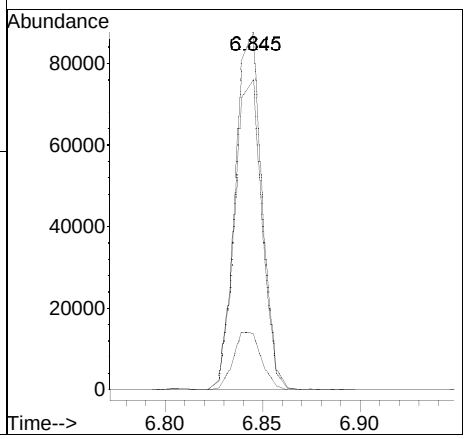


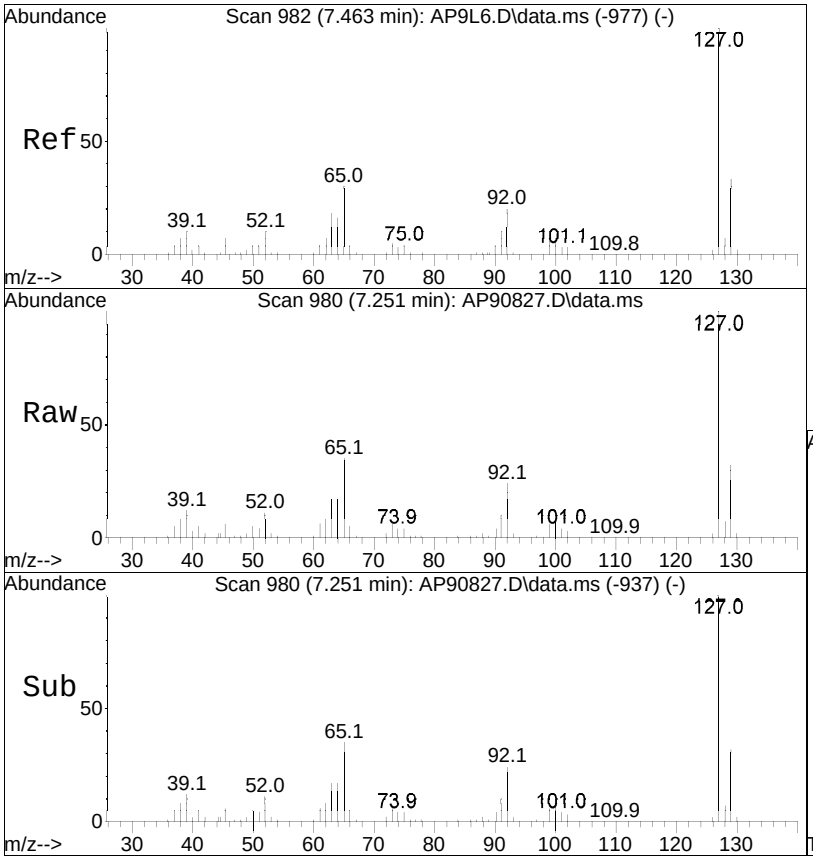


#30
m-Toluidine
Concen: 4.68 ug/ml
RT: 6.845 min Scan# 911
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:106 Resp: 83024

Ion	Ratio	Lower	Upper
106	100		
107	88.6	75.7	113.5
79	16.9	11.8	17.8

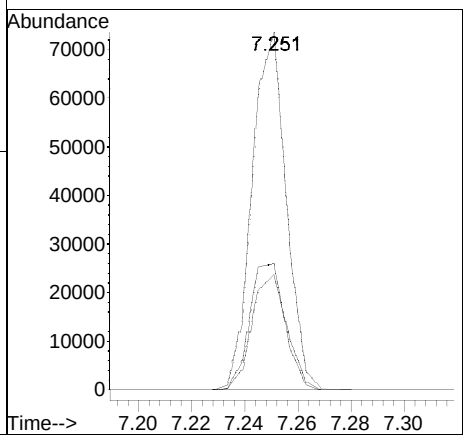


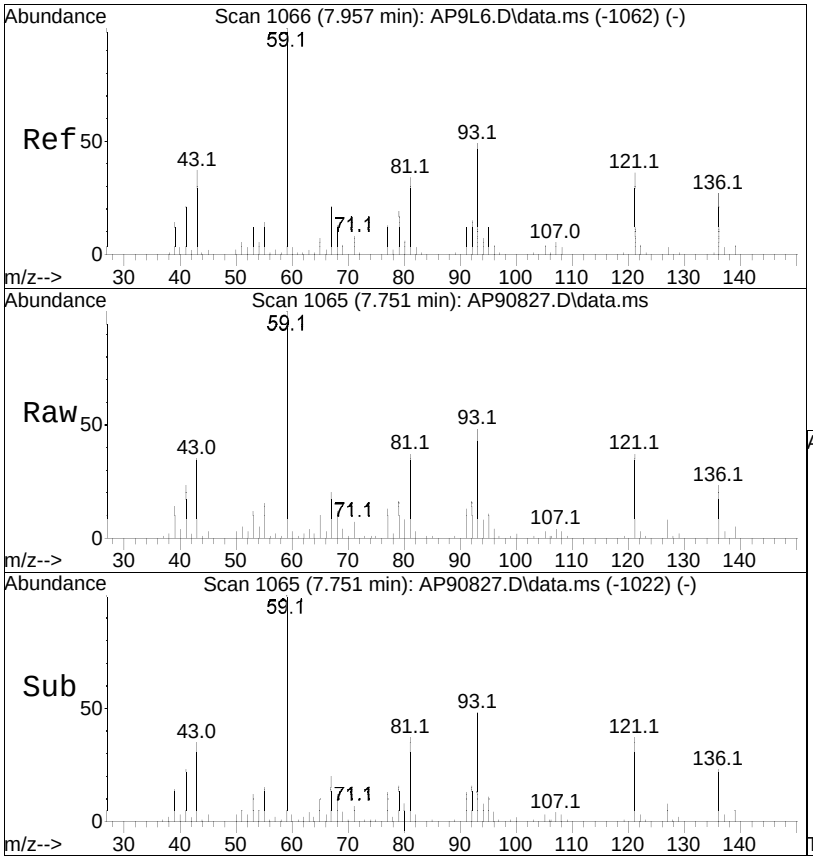


#31
2-Chloroaniline
Concen: 4.18 ug/ml
RT: 7.251 min Scan# 980
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:127 Resp: 64884

Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.9	38.9
65	36.8	26.3	39.5

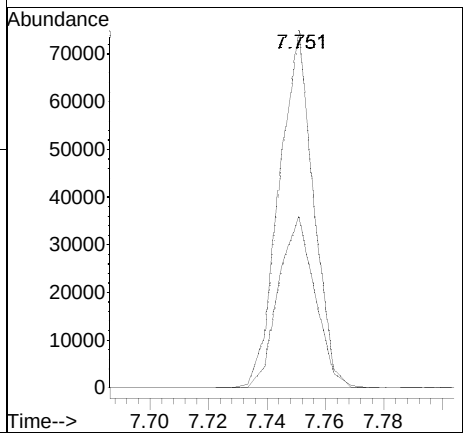


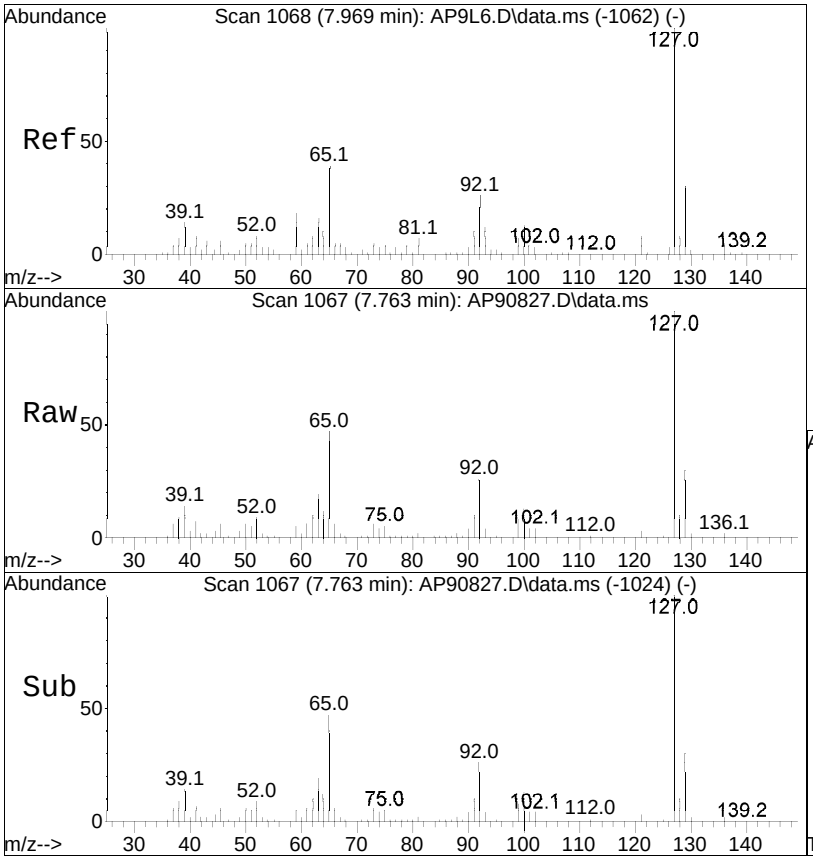


#56
a-Terpineol
Concen: 4.79 ug/ml
RT: 7.751 min Scan# 1065
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion: 59 Resp: 60521

Ion	Ratio	Lower	Upper
59	100		
93	51.6	35.6	53.4

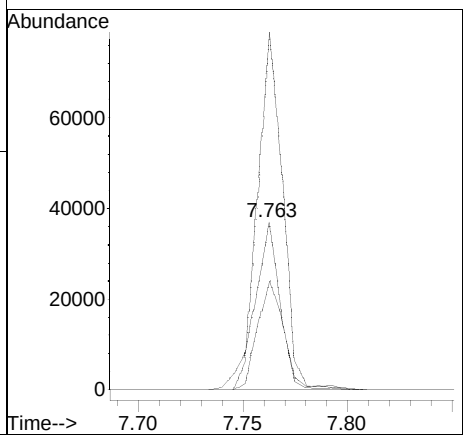


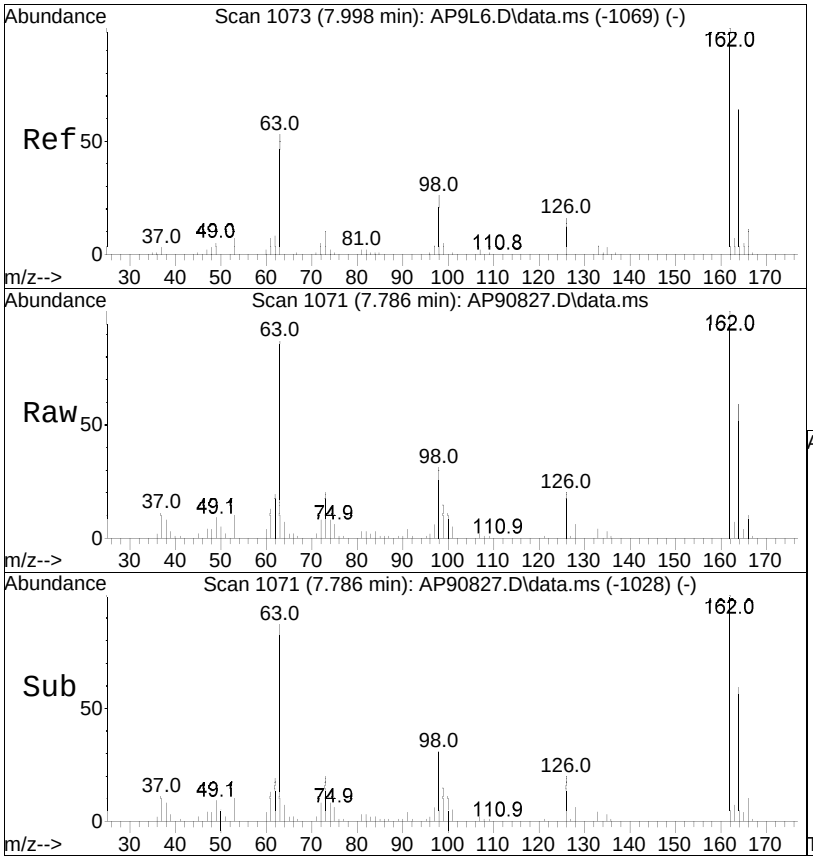


#57
3-Chloroaniline
Concen: 5.11 ug/ml
RT: 7.763 min Scan# 1067
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion: 65 Resp: 32388

Ion	Ratio	Lower	Upper
65	100		
127	200.2	243.2	364.8#
129	63.7	78.8	118.2#

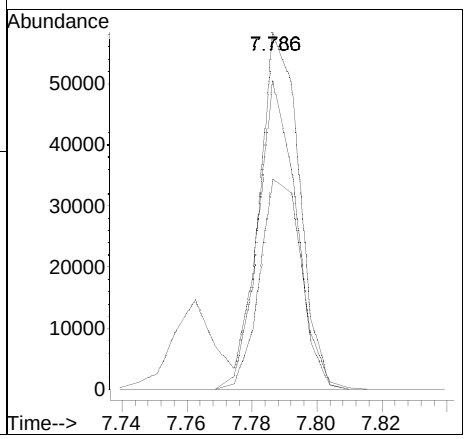


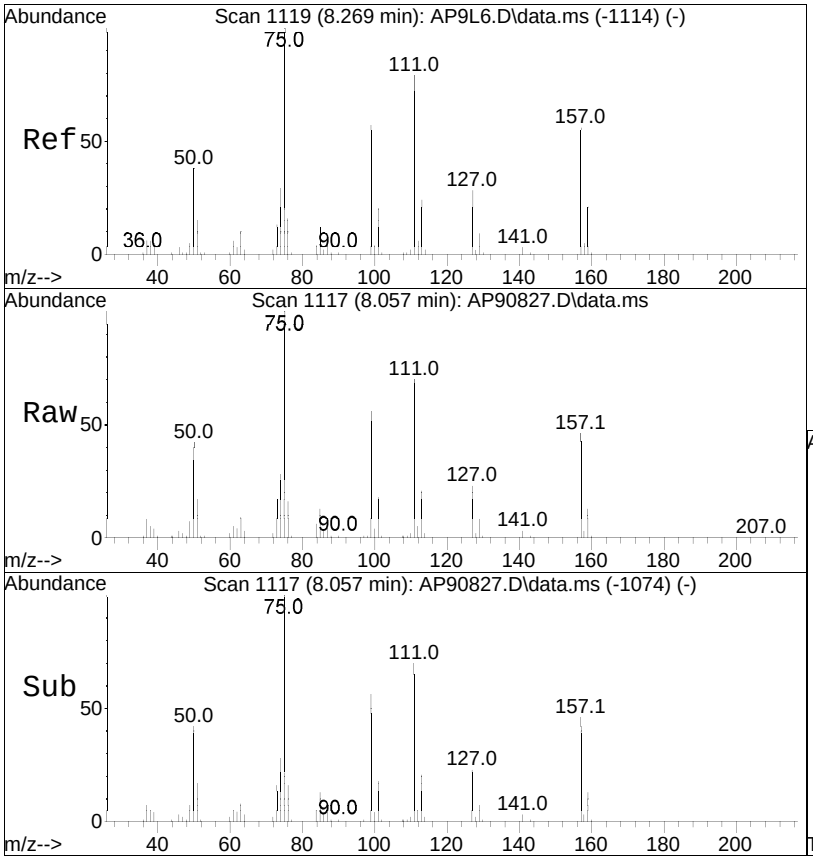


#58
2,6-Dichlorophenol
Concen: 4.32 ug/ml
RT: 7.786 min Scan# 1071
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:162 Resp: 49350

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.1	76.7
63	81.1	60.8	91.2

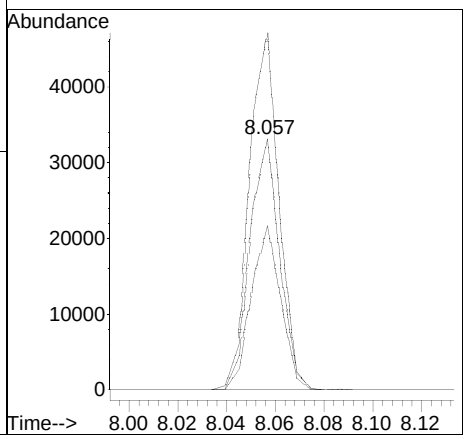


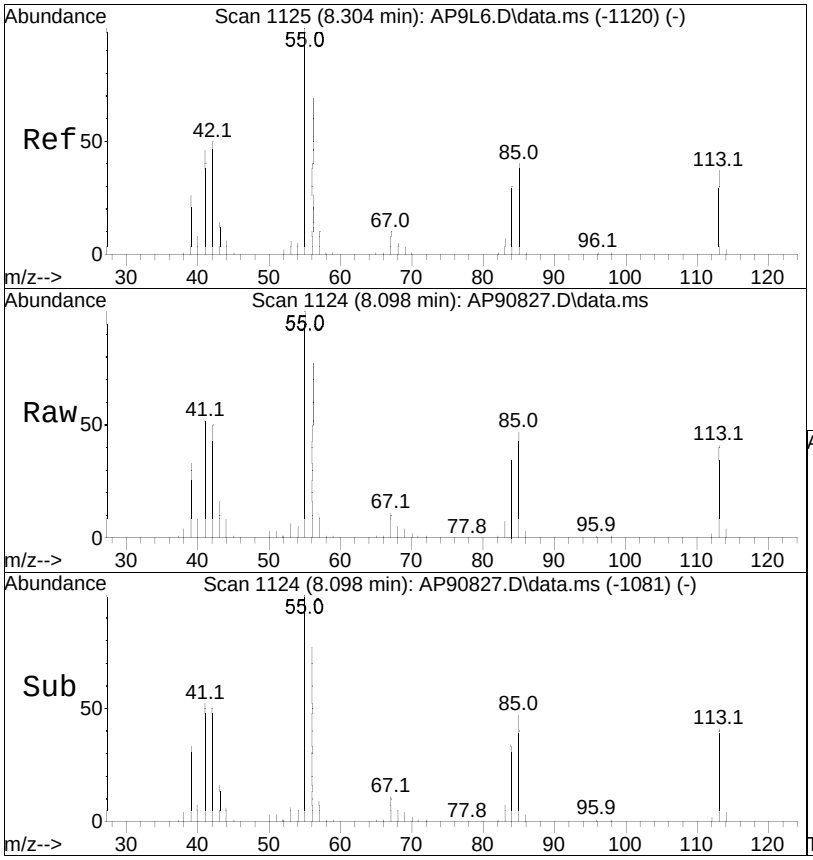


#59
1-chloro-2-nitrobenzene
Concen: 4.89 ug/ml
RT: 8.057 min Scan# 1117
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:111 Resp: 27860

Ion	Ratio	Lower	Upper
111	100		
157	65.0	0.0	0.0#
75	141.9	28.2	42.2#

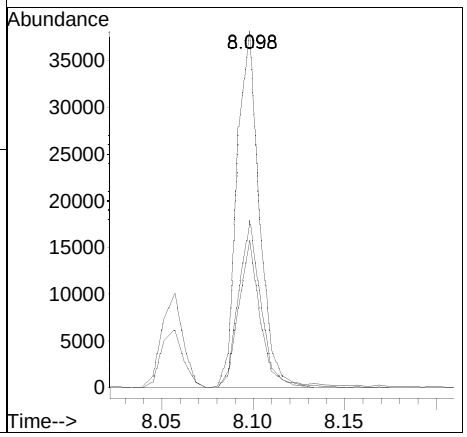


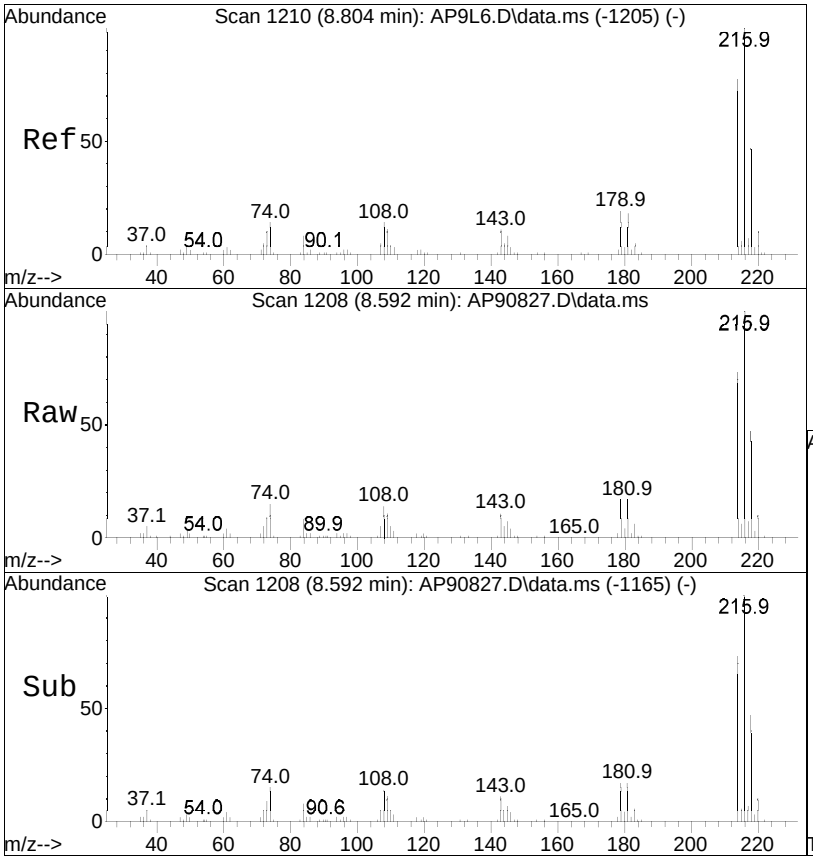


#60
Caprolactam
Concen: 5.00 ug/ml
RT: 8.098 min Scan# 1124
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion: 55 Resp: 33160

Ion	Ratio	Lower	Upper
55	100		
85	46.4	19.8	29.6#
113	39.1	29.6	44.4

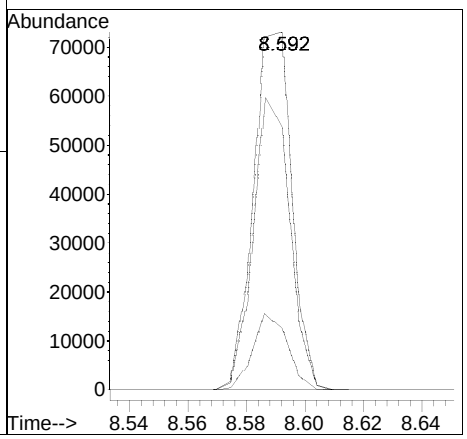


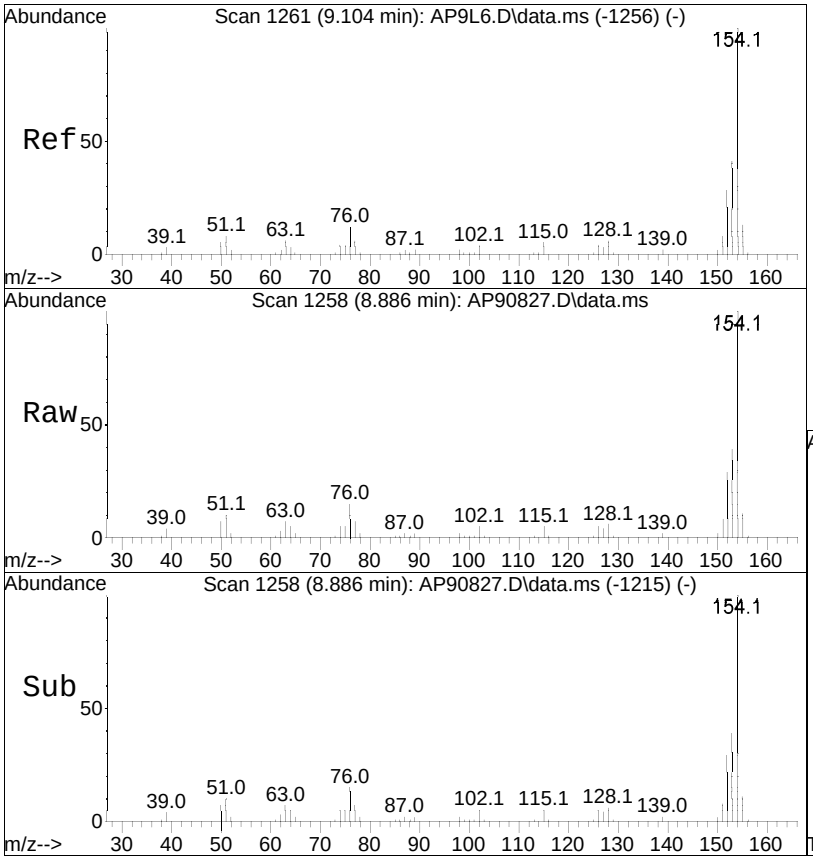


#61
1,2,4,5-Tetrachlorobenzene
Concen: 3.83 ug/ml
RT: 8.592 min Scan# 1208
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:216 Resp: 66349

Ion	Ratio	Lower	Upper
216	100		
214	78.0	63.7	95.5
179	19.5	19.0	28.6

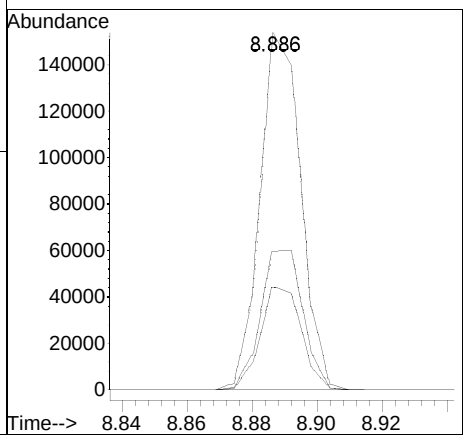


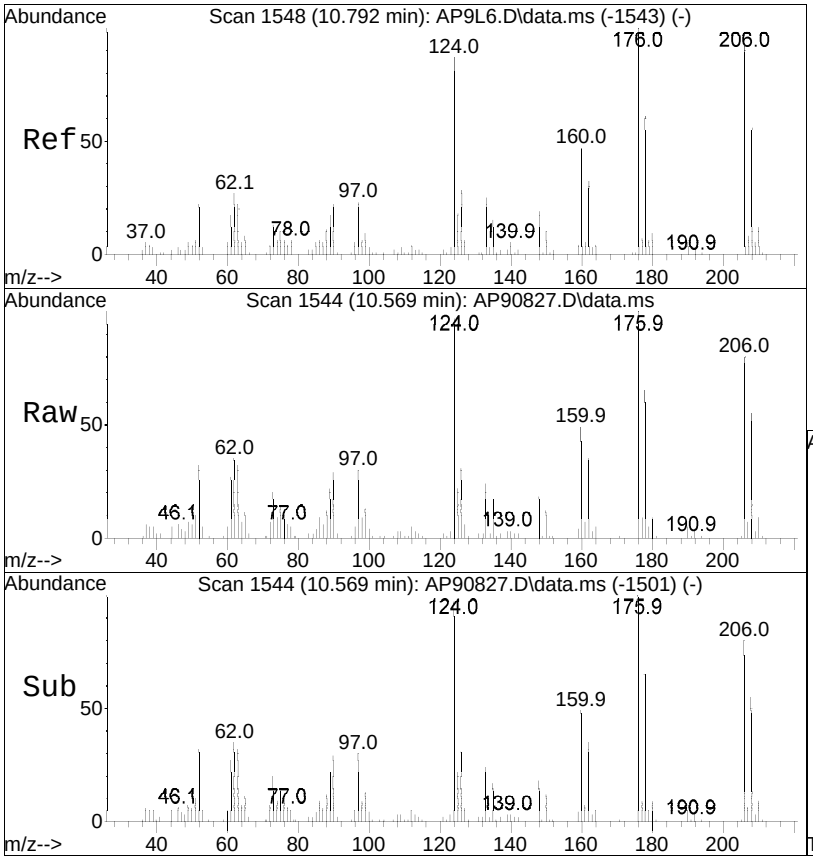


#62
Biphenyl
Concen: 3.89 ug/ml
RT: 8.886 min Scan# 1258
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:154 Resp: 133095

Ion	Ratio	Lower	Upper
154	100		
153	40.9	32.3	48.5
152	29.1	22.5	33.7

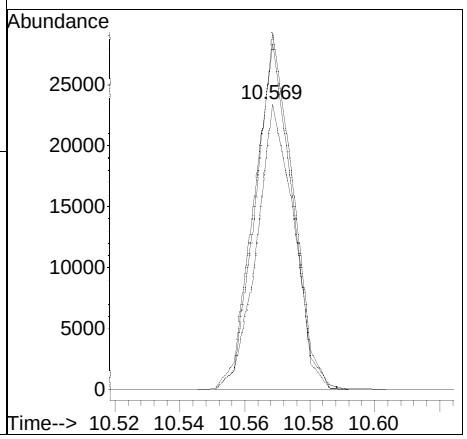


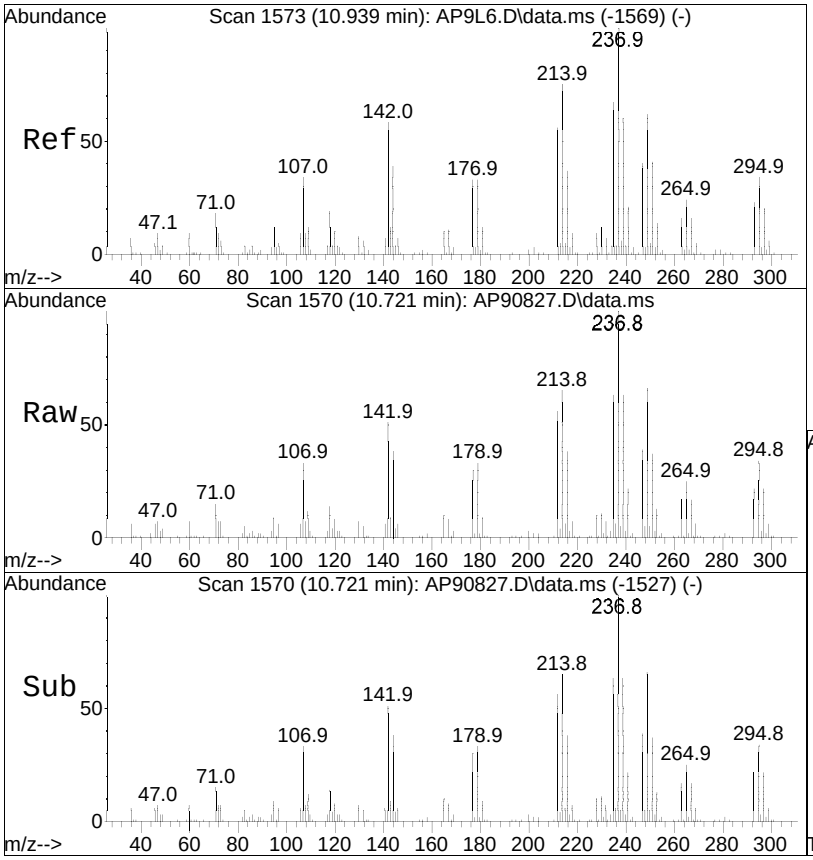


#84
Dichloran
Concen: 3.66 ug/ml
RT: 10.569 min Scan# 1544
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:206 Resp: 18604

Ion	Ratio	Lower	Upper
206	100		
176	124.1	104.6	157.0
124	121.9	130.5	195.7#

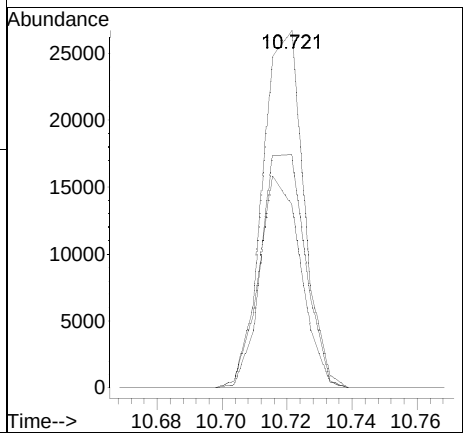


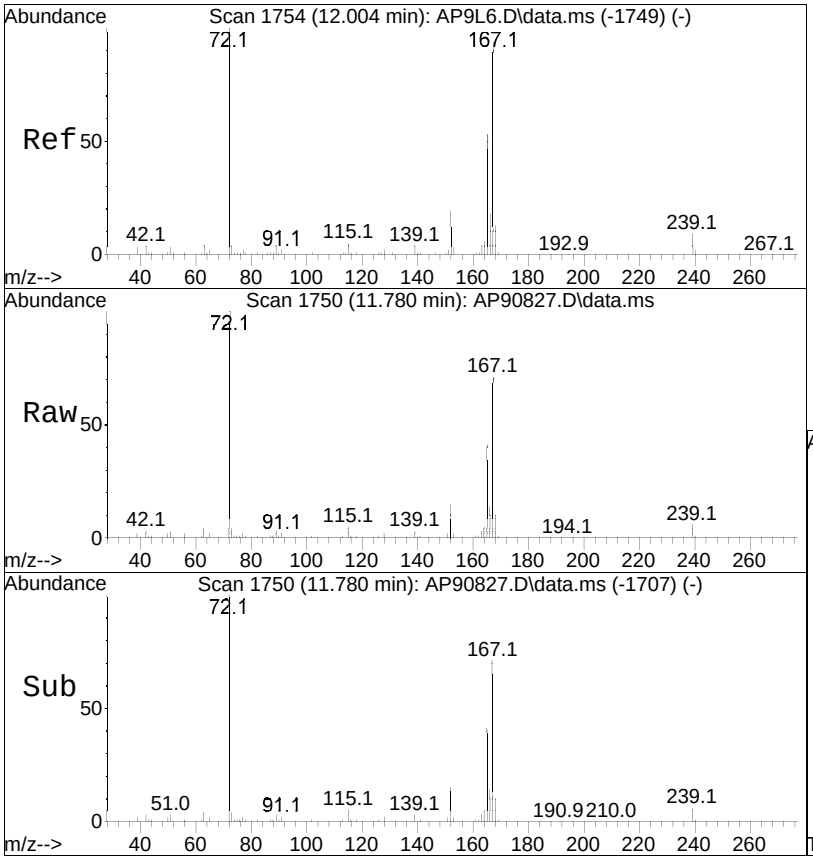


#85
Pentachloronitrobenzene
Concen: 4.23 ug/ml
RT: 10.721 min Scan# 1570
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:237 Resp: 23489

Ion	Ratio	Lower	Upper
237	100		
142	60.6	77.0	115.4#
214	69.8	58.2	87.4

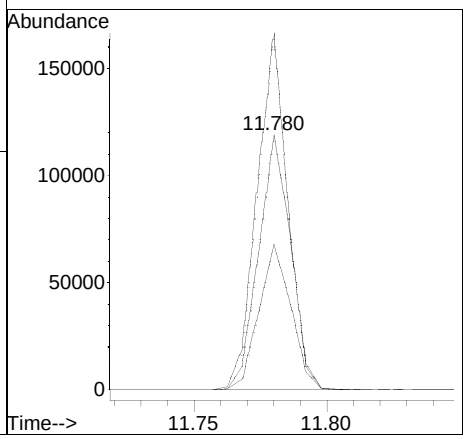




#99
Diphenamid
Concen: 4.00 ug/ml
RT: 11.780 min Scan# 1750
Delta R.T. 0.000 min
Lab File: AP90827.D
Acq: 27 Aug 2024 7:17 am

Tgt Ion:167 Resp: 98883

Ion	Ratio	Lower	Upper
167	100		
72	133.1	109.7	164.5
165	57.1	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\240827RVT\	QMethod	: FS240624SV106.m
Data File	: AP90827.D	Operator	: SV106:im
Date Inj'd	: 8/27/2024 7:17 am	Instrument	: SV 106
Sample	: WG1964242-4,32,,AP9 10909	Quant Date	: 8/27/2024 7:50 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\240827RVT\
Data File : ADP0827.D
Acq On : 27 Aug 2024 7:40 am
Operator : SV106:im
Sample : WG1964242-5,32,,ADP 10751 kmh0802B
Misc : WG1964242,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 27 08:07:23 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	128	0.00
33	t	1,4-Dioxane	0.584	0.630	-7.9	164	0.00
34	T	n-Decane	1.662	1.875	-12.8	155	0.00
86	I	IS3_Acenaphthene-d10	1.000	1.000	0.0	131	0.00
87	T	Atrazine	0.509	0.450	11.6	127	0.00
100	I	IS3_Phenanthrene-d10	1.000	1.000	0.0	119	0.00
101	T	n-Octadecane	0.498	0.543	-9.0	140	0.00
102	T	Parathion	0.124	0.139	-12.1	147	0.00
103	T	3,3'-Dimethylbenzidine	0.791	0.879	-11.1	130	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : ADP0827.D
Acq On : 27 Aug 2024 7:40 am
Operator : SV106:im
Sample : WG1964242-5,32,,ADP 10751 kmh0802B
Misc : WG1964242,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 27 08:07:23 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.228	152	41791	4.000	ug/ml	# 0.00
86) IS3_Acenaphthene-d10	9.433	164	99896	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	10.868	188	214594	4.000	ug/ml	# 0.00
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.640	88	32934	5.393	ug/ml	# 73
34) n-Decane	6.128	57	97959	5.641	ug/ml	# 41
87) Atrazine	10.651	200	56135	4.419	ug/ml	94
101) n-Octadecane	10.863	57	145591	5.455	ug/ml	# 1
102) Parathion	11.663	109	37369	5.610	ug/ml	90
103) 3,3'-Dimethylbenzidine	12.927	212	235854	5.560	ug/ml	99

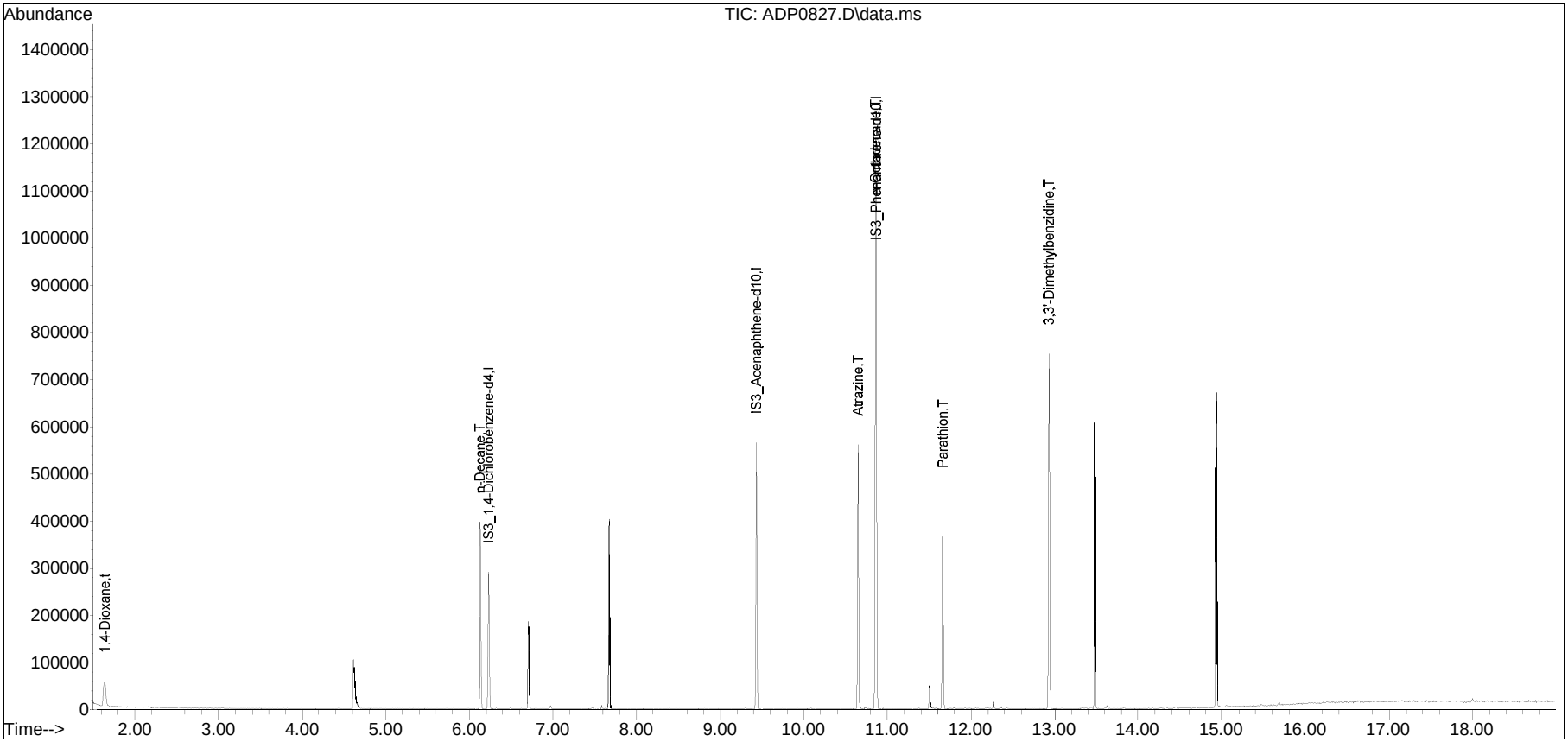
(#) = qualifier out of range (m) = manual integration (+) = signals summed

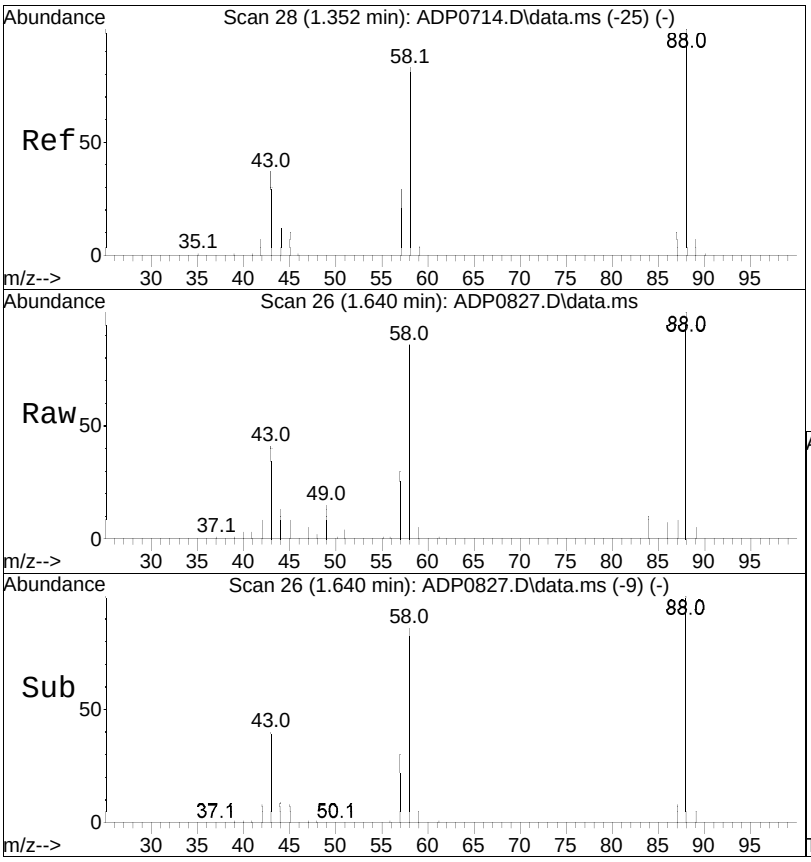
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : ADP0827.D
Acq On : 27 Aug 2024 7:40 am
Operator : SV106:im
Sample : WG1964242-5,32,,ADP 10751 kmh0802B
Misc : WG1964242,,ical21231
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Aug 27 08:07:23 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:43 2024
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

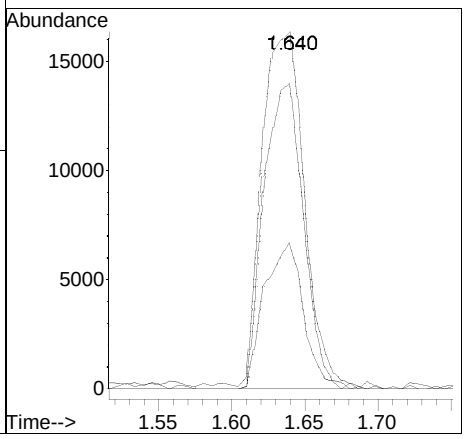


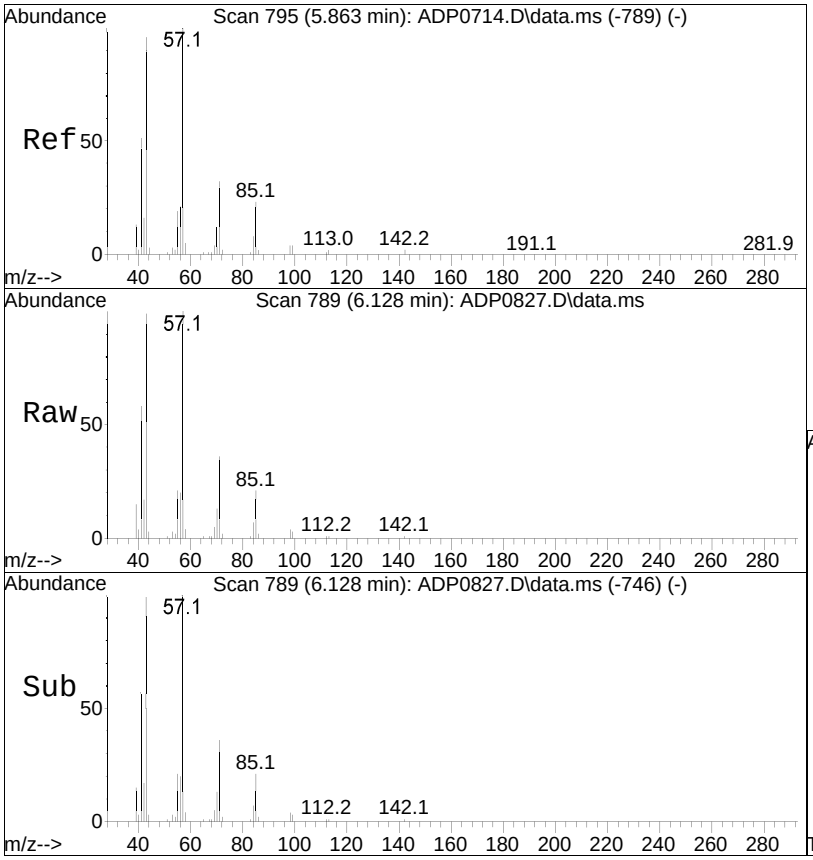


#33
1,4-Dioxane
Concen: 5.39 ug/ml
RT: 1.640 min Scan# 26
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion: 88 Resp: 32934

Ion	Ratio	Lower	Upper
88	100		
58	79.2	44.8	67.2#
43	37.2	22.4	33.6#

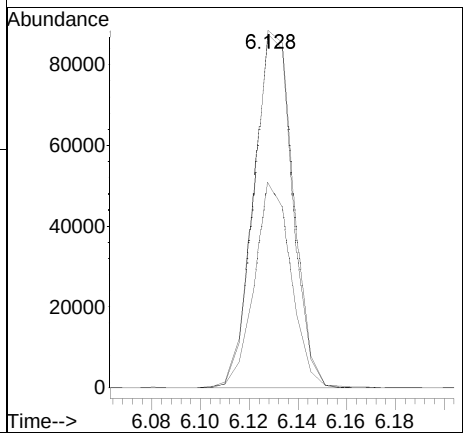


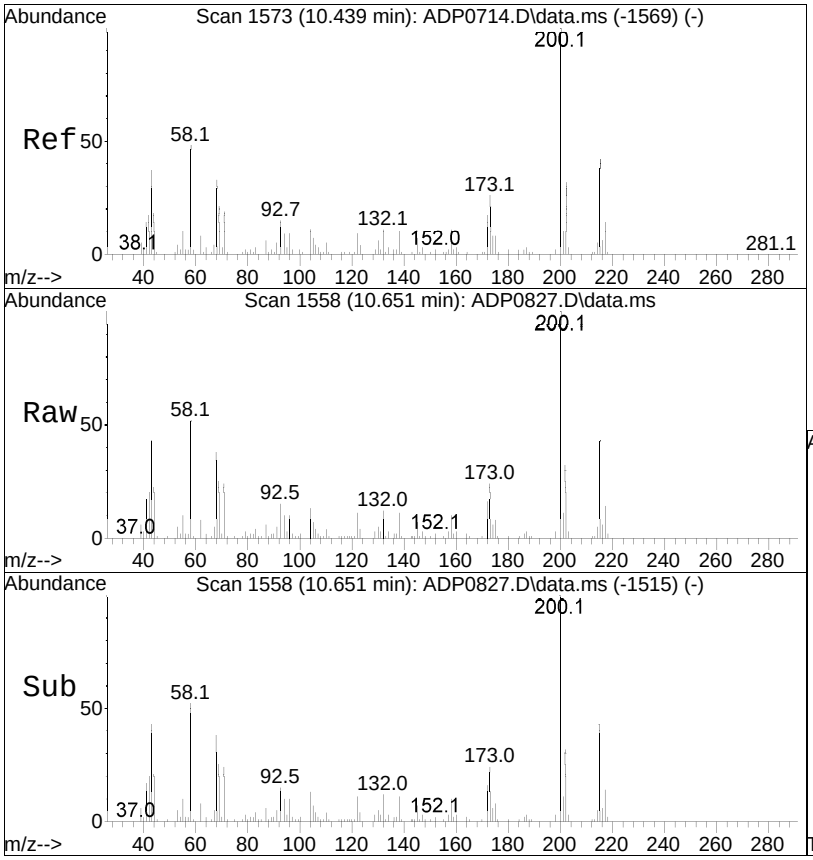


#34
n-Decane
Concen: 5.64 ug/ml
RT: 6.128 min Scan# 789
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion: 57 Resp: 97959

Ion	Ratio	Lower	Upper
57	100		
43	98.6	0.2	0.2#
41	54.3	0.2	0.2#

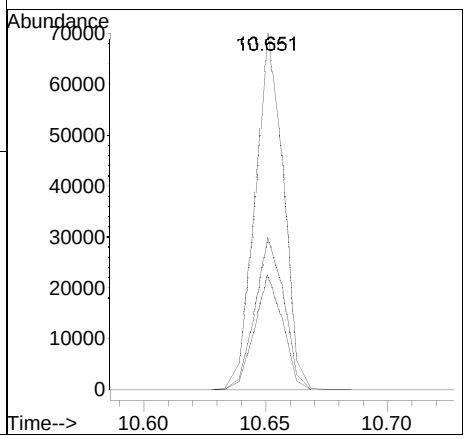


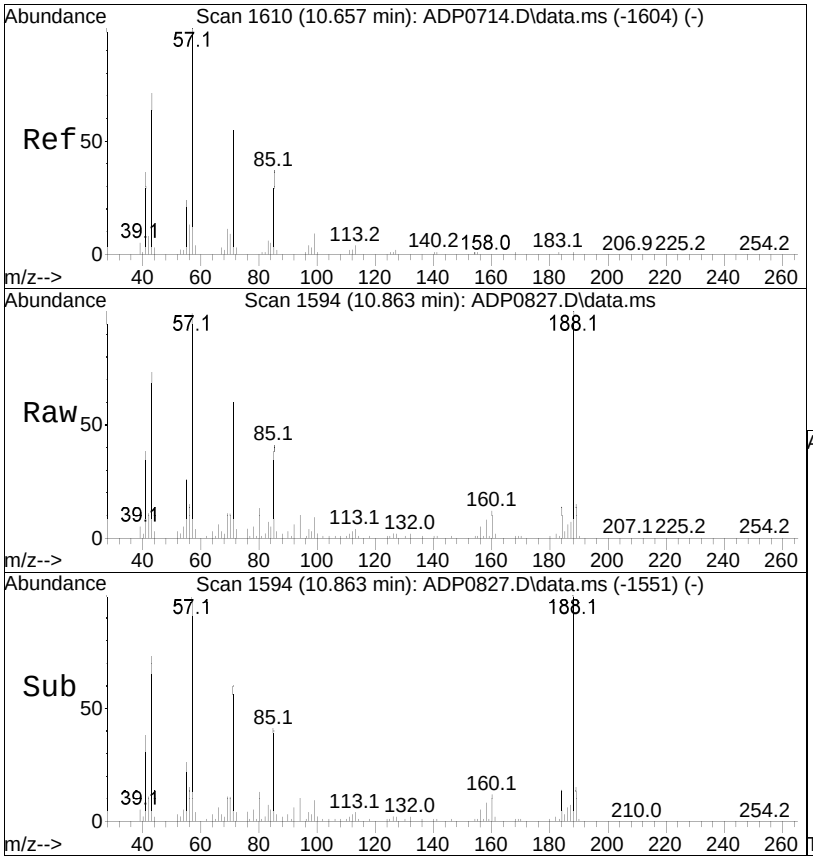


#87
Atrazine
Concen: 4.42 ug/ml
RT: 10.651 min Scan# 1558
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion:200 Resp: 56135

Ion	Ratio	Lower	Upper
200	100		
202	32.2	25.8	38.6
215	43.7	40.2	60.4

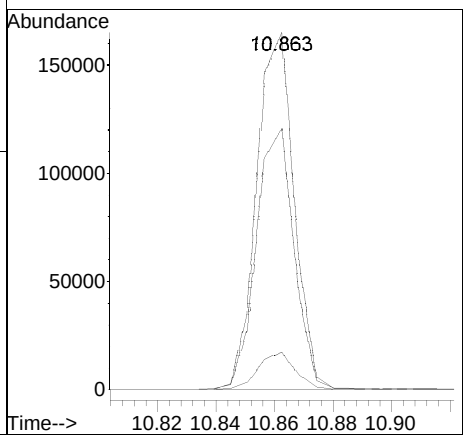


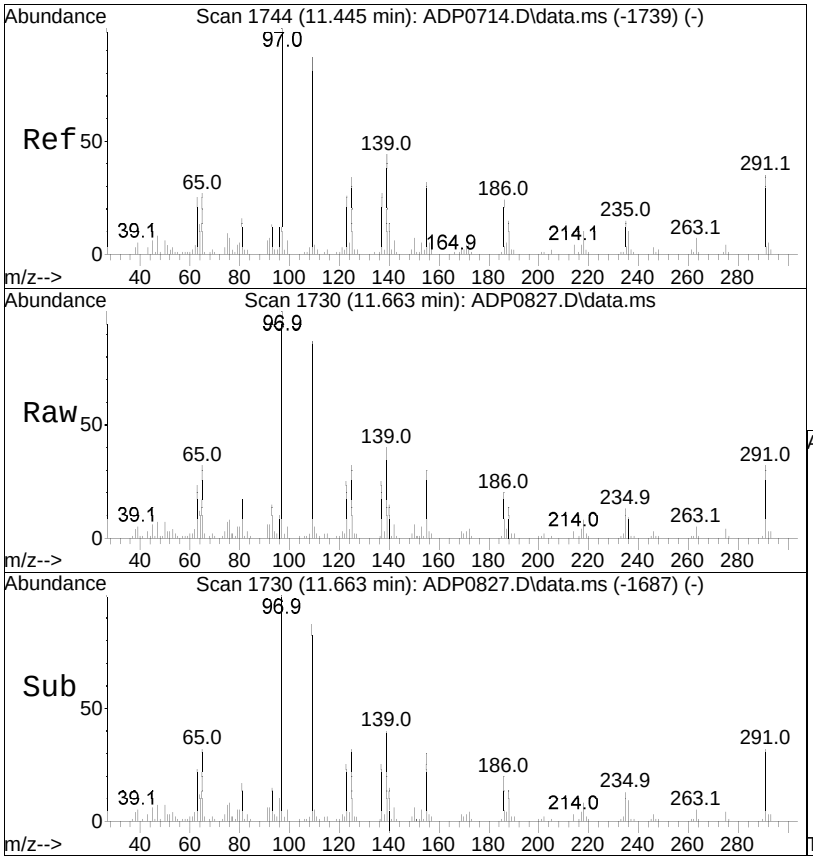


#101
n-Octadecane
Concen: 5.45 ug/ml
RT: 10.863 min Scan# 1594
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion: 57 Resp: 145591

Ion	Ratio	Lower	Upper
57	100		
43	74.2	9.0	13.6#
70	10.4	0.2	0.2#

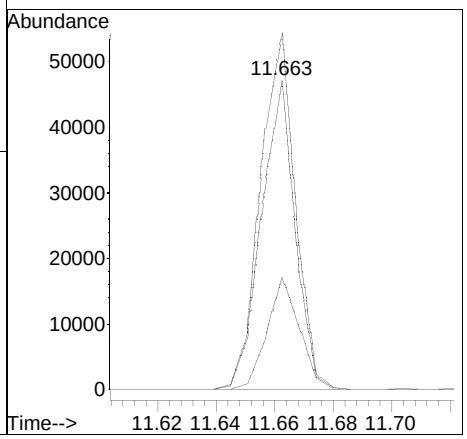


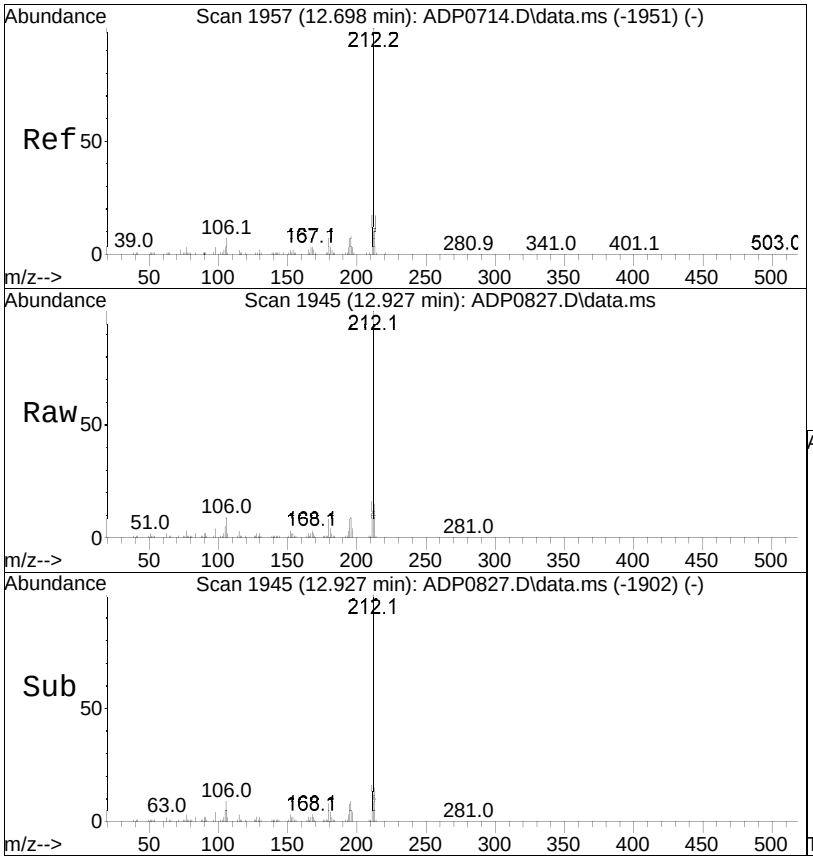


#102
Parathion
Concen: 5.61 ug/ml
RT: 11.663 min Scan# 1730
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion:109 Resp: 37369

Ion	Ratio	Lower	Upper
109	100		
97	119.4	87.4	131.2
291	34.8	34.2	51.2

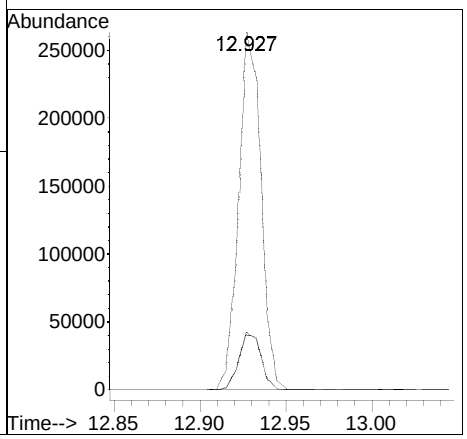




#103
3,3'-Dimethylbenzidine
Concen: 5.56 ug/ml
RT: 12.927 min Scan# 1945
Delta R.T. 0.000 min
Lab File: ADP0827.D
Acq: 27 Aug 2024 7:40 am

Tgt Ion:212 Resp: 235854

Ion	Ratio	Lower	Upper
212	100		
211	16.1	12.9	19.3
213	15.9	13.2	19.8



Manual Integration Report

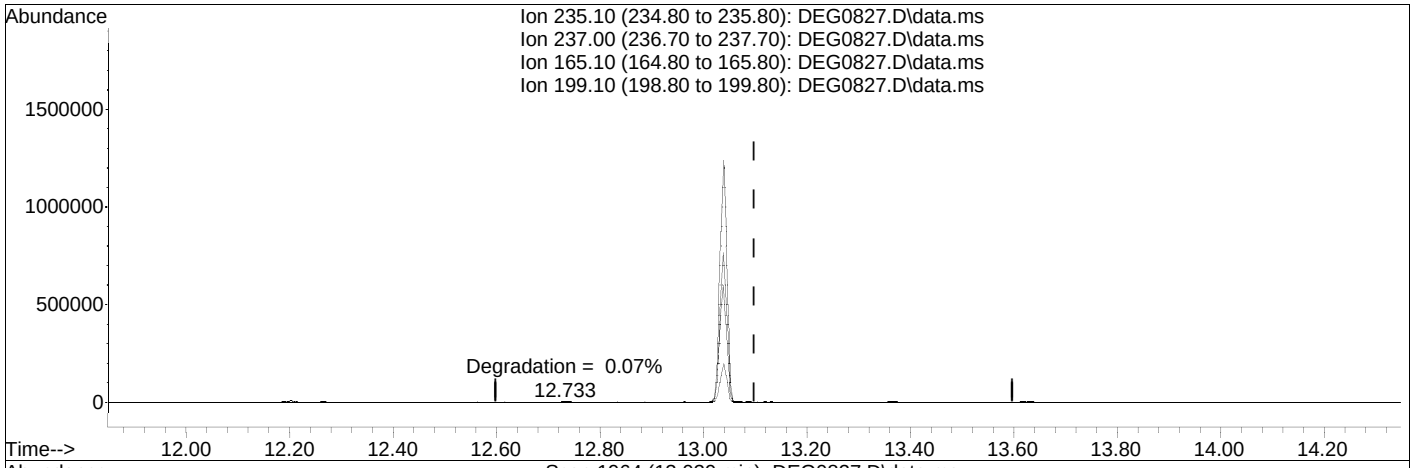
Data Path	: I:\8270\SV106\240827RVT\	QMethod	: FS240624SV106.m
Data File	: ADP0827.D	Operator	: SV106:im
Date Inj'd	: 8/27/2024 7:40 am	Instrument	: SV 106
Sample	: WG1964242-5,32,,ADP 10751	Quant Date	: 8/27/2024 8:07 am

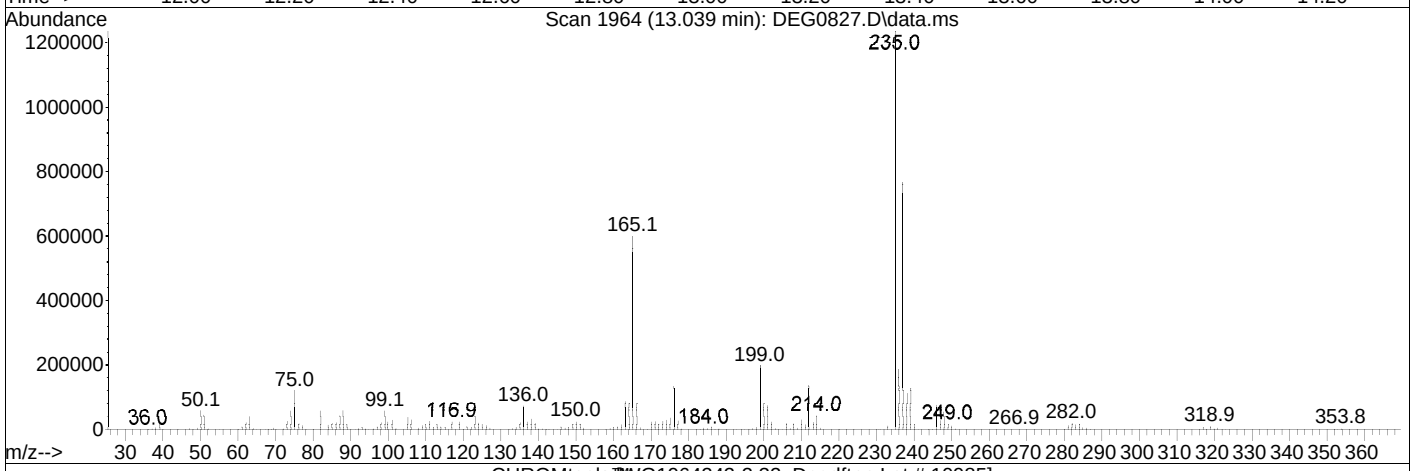
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240827RVT\
Data File : DEG0827.D
Acq On : 27 Aug 2024 6:29 am
Operator : SV106:im
Sample : WG1964242-2,32,,Degdftpp Lot # 10985
Misc : WG1964242,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 07:02:50 2024
Quant Method : I:\8270\SV106\240827RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 14:43:15 2024
Response via : Initial Calibration





CHROMtools [WG1964242-2,32,,Degdftpp Lot # 10985]

(6) DDT (T)

13.039min (-0.059) 175.93

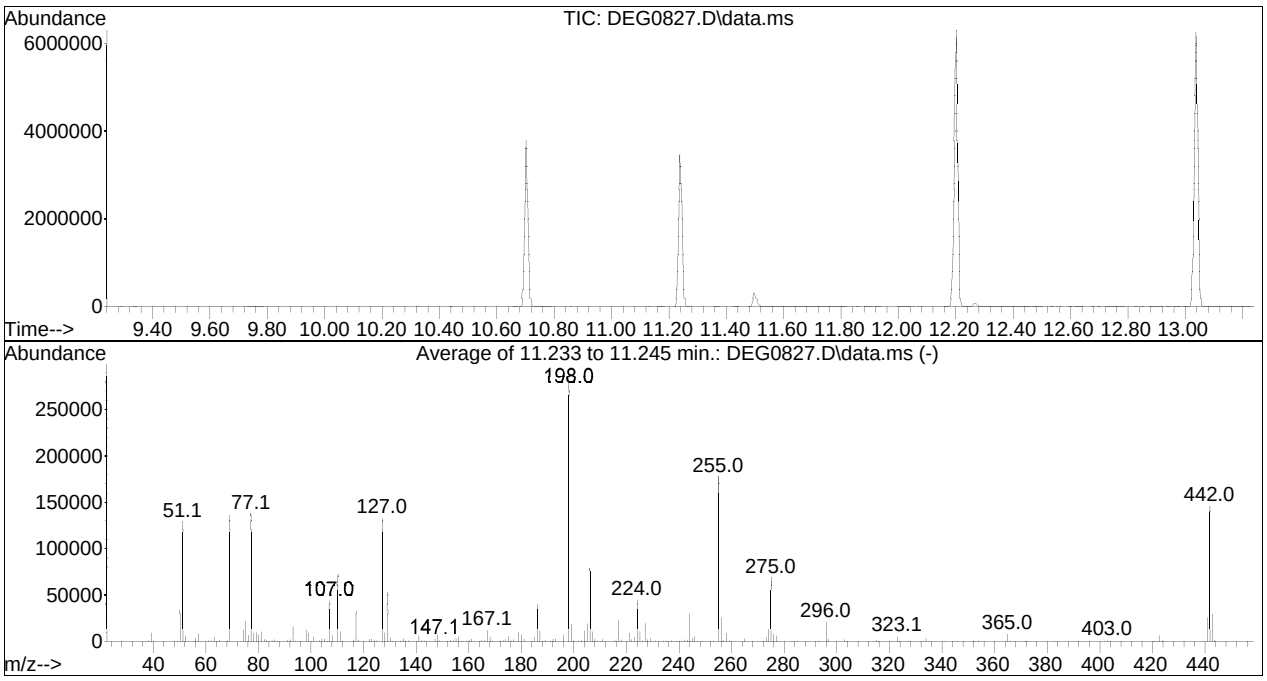
response 1072406

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	62.96
165.10	44.50	49.42
199.10	14.80	16.27

Data Path : I:\8270\SV106\240827RVT\
Data File : DEG0827.D
Acq On : 27 Aug 2024 6:29 am
Operator : SV106:gmr
Sample : WG1964242-1,32,,Degdftpp Lot # 10985
Misc : WG1964242,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Aug 27 07:49:37 2024



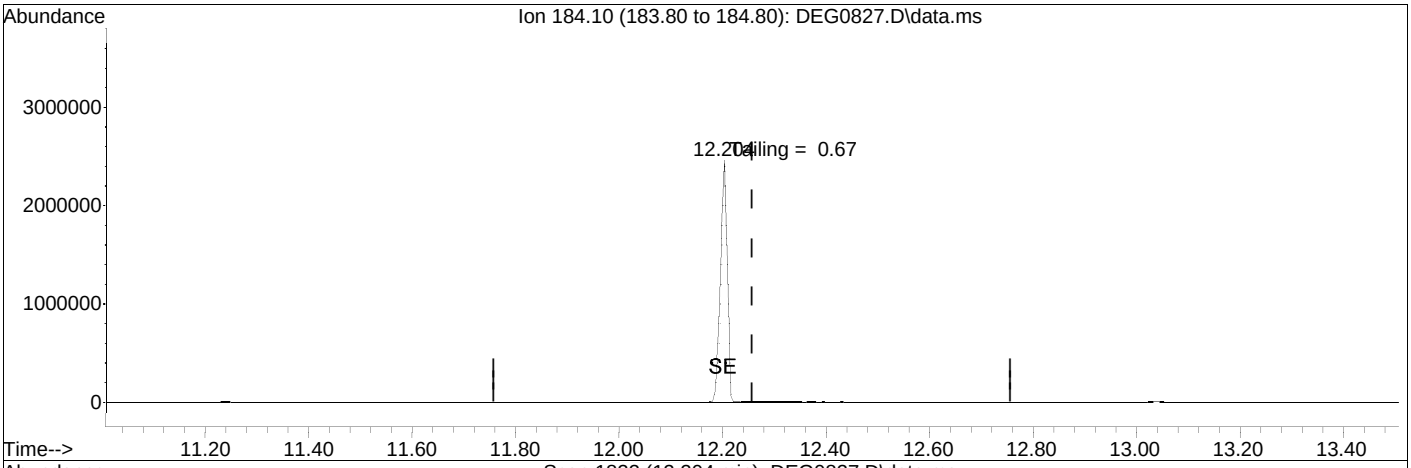
Spectrum Information: Average of 11.233 to 11.245 min.

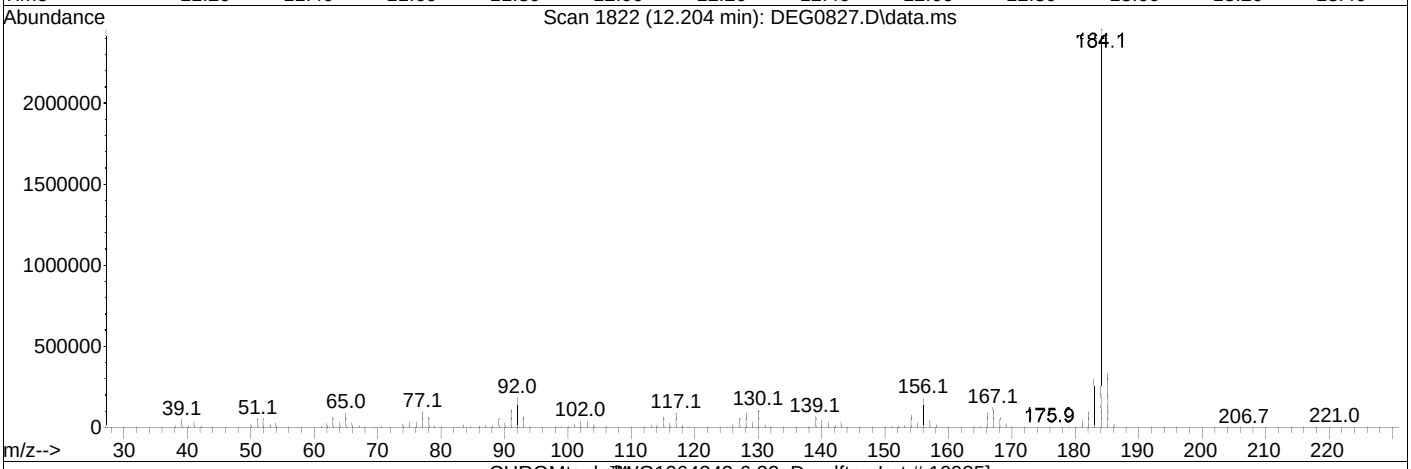
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.4	129051	PASS
68	69	0.00	2	1.2	1656	PASS
69	69	100	100	100.0	135536	PASS
70	69	0.00	2	0.2	304	PASS
127	198	10	80	46.6	132677	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	284480	PASS
199	198	5	9	6.6	18712	PASS
275	198	10	60	24.2	68941	PASS
365	198	1	100	2.9	8361	PASS
441	442	0.01	24	17.4	25386	PASS
442	198	50	100	51.3	145867	PASS
443	442	15	24	19.9	29068	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240827RVT\
Data File : DEG0827.D
Acq On : 27 Aug 2024 6:29 am
Operator : SV106:im
Sample : WG1964242-6,32,,Degdftpp Lot # 10985
Misc : WG1964242,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 07:02:50 2024
Quant Method : I:\8270\SV106\240827RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 14:43:15 2024
Response via : Initial Calibration





CHROMtools [WG1964242-6,32,,Degdftpp Lot # 10985]

(3) Benzidine (T)

12.204min (-0.053) 205.05

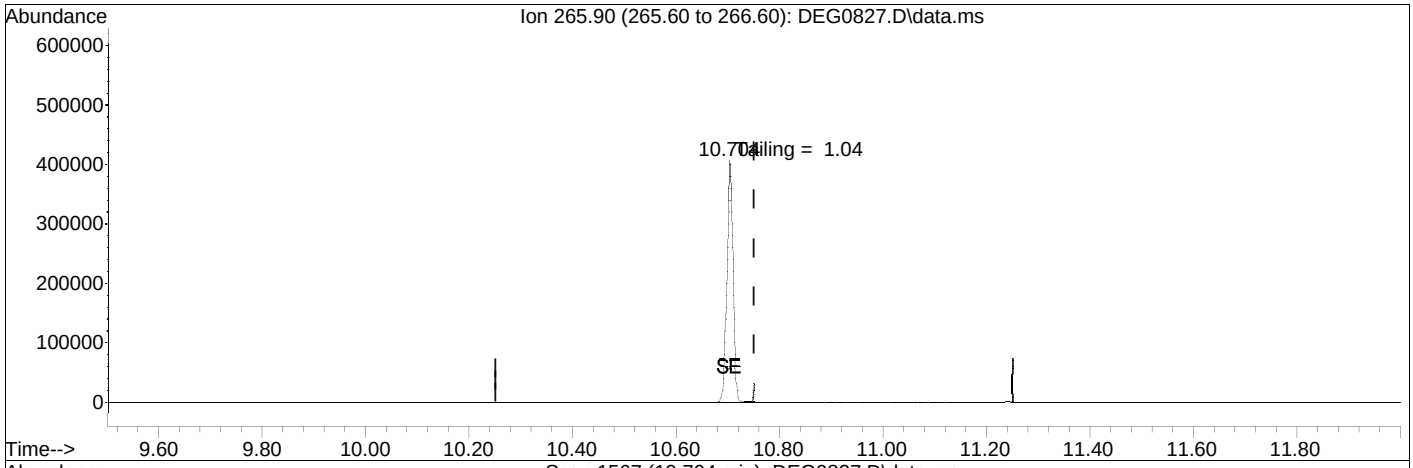
response 2087415

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\240827RVT\
Data File : DEG0827.D
Acq On : 27 Aug 2024 6:29 am
Operator : SV106:im
Sample : WG1964242-7,32,,Degdftpp Lot # 10985
Misc : WG1964242,,ical21231
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Aug 27 07:02:50 2024
Quant Method : I:\8270\SV106\240827RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 14:43:15 2024
Response via : Initial Calibration



CHROMtools [WG1964242-7,32,,Degdftpp Lot # 10985]

(1) Pentachlorophenol (T)

10.704min (-0.047) 152.49

response 320281

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 14:05:25 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.096	152	21362	4.000	ug/ml		0.00
Standard Area 1 = 18365			Recovery = 116.32%				
27) IS2_1,4-Dichlorobenzen...	4.096	152	21362	4.000	ug/ml		0.00
Standard Area 3 = 20040			Recovery = 106.60%				
32) IS3_1,4-Dichlorobenzen...	4.096	152	21362	4.000	ug/ml		0.00
Standard Area 2 = 22466			Recovery = 95.09%				
35) IS1_Naphthalene-d8	5.336	136	80033	4.000	ug/ml		0.00
Standard Area 1 = 70878			Recovery = 112.92%				
55) IS2_Naphthalene-d8	5.336	136	80033	4.000	ug/ml	#	0.00
Standard Area 3 = 76372			Recovery = 104.79%				
63) IS1_Acenaphthene-d10	7.023	164	53296	4.000	ug/ml		0.00
Standard Area 1 = 50962			Recovery = 104.58%				
83) IS2_Acenaphthene-d10	7.023	164	53296	4.000	ug/ml		0.00
Standard Area 3 = 52785			Recovery = 100.97%				
86) IS3_Acenaphthene-d10	7.023	164	53296	4.000	ug/ml		0.00
Standard Area 2 = 54458			Recovery = 97.87%				
88) IS1_Phenanthrene-d10	8.428	188	119233	4.000	ug/ml	#	0.00
Standard Area 1 = 124226			Recovery = 95.98%				
100) IS3_Phenanthrene-d10	8.428	188	119233	4.000	ug/ml	#	0.00
Standard Area 2 = 124030			Recovery = 96.13%				
104) IS1_Chrysene-d12	10.974	240	133817	4.000	ug/ml	#	0.00
Standard Area 1 = 140160			Recovery = 95.47%				
113) IS1_Perylene-d12	12.376	264	167675	4.000	ug/ml		0.00
Standard Area 1 = 176971			Recovery = 94.75%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.787	112	5530	1.007	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 50.35%				
7) Phenol-d6	3.803	99	4574	0.660	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.00%				
19) Nitrobenzene-d5	4.652	82	4543	0.628	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.80%				
46) 2-Fluorobiphenyl	6.411	172	12818	0.639	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.90%				
79) 2,4,6-Tribromophenol	7.779	330	5886	1.690	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 84.50%				

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 14:05:25 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.998	244	26179	0.844	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 84.40%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
28) Benzaldehyde	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	d
53) 2,6-Dinitrotoluene	0.000	0	N.D.	d
60) Caprolactam	0.000	0	N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
62) Biphenyl	0.000	0	N.D.	
64) 3-Nitroaniline	0.000	0	N.D.	
66) 2,4-Dinitrophenol	0.000	0	N.D.	
67) Dibenzofuran	0.000	0	N.D.	
68) 2,4-Dinitrotoluene	0.000	0	N.D.	d
69) 4-Nitrophenol	0.000	0	N.D.	
71) 2,3,4,6-Tetrachlorophenol	0.000	0	N.D.	
72) Diethyl phthalate	0.000	0	N.D.	

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 14:05:25 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75)	4-Nitroaniline	0.000		0		N.D.	
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	d

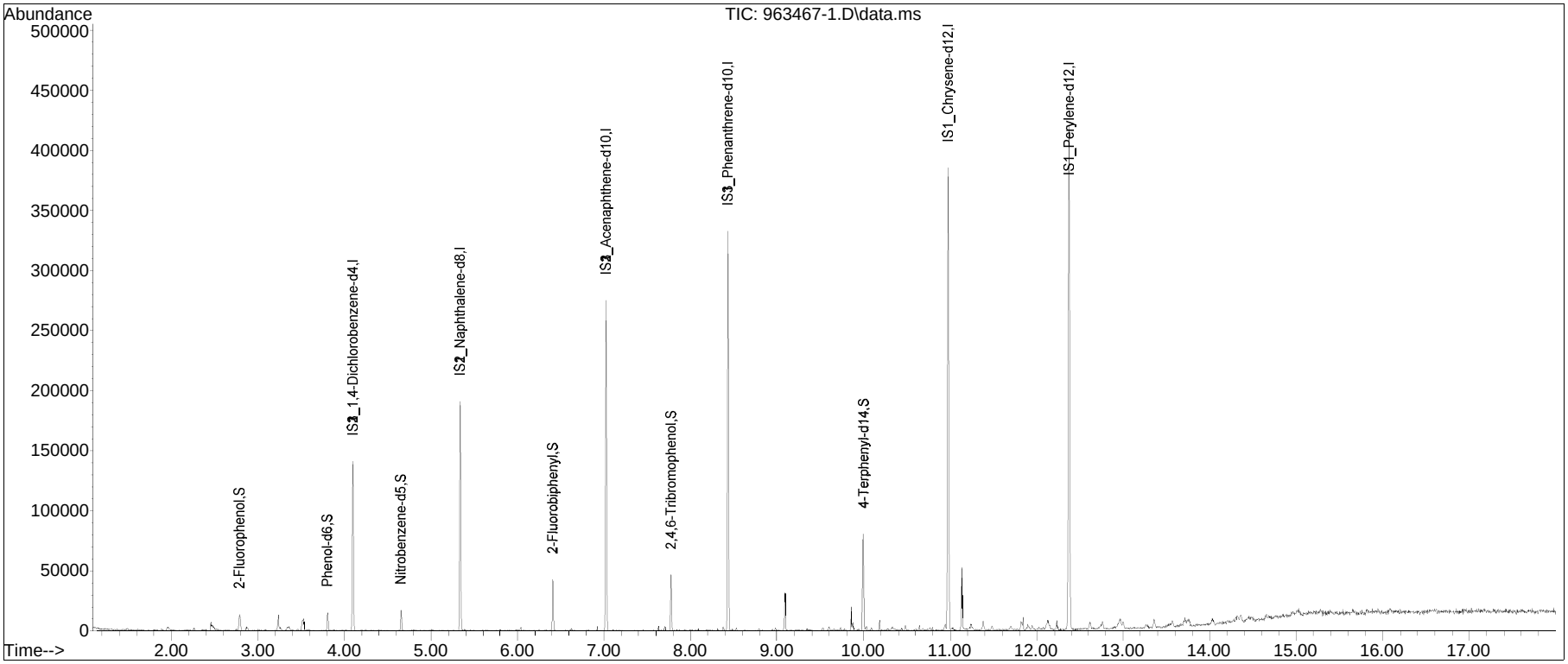
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 26 14:05:25 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5aRVT\AP90825a.D•



Manual Integration Report

Data Path	: I:\8270\Dakota\240825aRVT\	QMethod	: FS240618RVT_14D_Dakota.m
Data File	: 963467-1.D	Operator	: Dakota:mrg
Date Inj'd	: 8/25/2024 11:29 pm	Instrument	: Dakota
Sample	: WG1963467-1,32,,mrg	Quant Date	: 8/25/2024 11:47 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 963467-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.458	439	441	444	rBV2	6123	4582	1.09%	0.240%
2	2.787	541	547	557	rBB4	13649	15631	3.73%	0.818%
3	2.871	567	574	581	rBB5	3508	4754	1.13%	0.249%
4	3.235	683	691	697	rBV3	12956	14174	3.38%	0.742%
5	3.514	775	781	783	rBV2	8045	7193	1.72%	0.376%
6	3.527	783	785	792	rVB3	9268	7687	1.83%	0.402%
7	3.803	869	874	879	rBV2	14914	12145	2.90%	0.635%
8	4.096	962	968	978	rVB	141243	117664	28.06%	6.157%
9	4.652	1143	1147	1152	rBV	16823	11577	2.76%	0.606%
10	5.336	1361	1367	1375	rBV	190478	151363	36.10%	7.920%
11	6.411	1708	1713	1718	rBV2	42609	31169	7.43%	1.631%
12	7.023	1904	1910	1917	rVB	275203	214508	51.16%	11.224%
13	7.776	2146	2152	2158	rBV2	46799	35825	8.54%	1.875%
14	8.428	2355	2362	2369	rBV2	332891	267360	63.77%	13.989%
15	9.090	2568	2575	2581	rBV4	31350	25916	6.18%	1.356%
16	9.849	2815	2819	2824	rBV3	19597	15899	3.79%	0.832%
17	9.874	2824	2827	2832	rVB2	6156	4425	1.06%	0.232%
18	9.998	2861	2867	2873	rBV	80211	64917	15.48%	3.397%
19	10.184	2923	2927	2933	rVB3	8302	6660	1.59%	0.348%
20	10.943	3163	3171	3174	rBV4	5465	5563	1.33%	0.291%
21	10.974	3174	3181	3188	rVB	384721	342249	81.63%	17.908%
22	11.135	3226	3233	3243	rBV	51933	50224	11.98%	2.628%
23	11.810	3444	3450	3456	rBV4	7023	8793	2.10%	0.460%
24	11.838	3456	3459	3463	rVB4	9819	7297	1.74%	0.382%
25	12.121	3543	3550	3552	rBV3	6511	6270	1.50%	0.328%
26	12.223	3575	3583	3591	rBV3	7607	8851	2.11%	0.463%
27	12.376	3622	3632	3642	rBV	419846	419268	100.00%	21.938%
28	12.621	3703	3711	3718	rBV5	6432	8624	2.06%	0.451%

LSC Area Percent Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Title : Semivolatiles by GC/MS by modified 8270

29	12.764	3753	3757	3763	rVB6	6342	6375	1.52%	0.334%
30	12.997	3828	3832	3840	rVB3	5619	7090	1.69%	0.371%
31	13.358	3942	3948	3957	rBV4	7536	9815	2.34%	0.514%
32	13.563	4010	4014	4022	rVB7	4966	6246	1.49%	0.327%
33	14.309	4253	4254	4263	rBV8	3447	4413	1.05%	0.231%
34	14.355	4263	4269	4275	rVB7	5121	6647	1.59%	0.348%

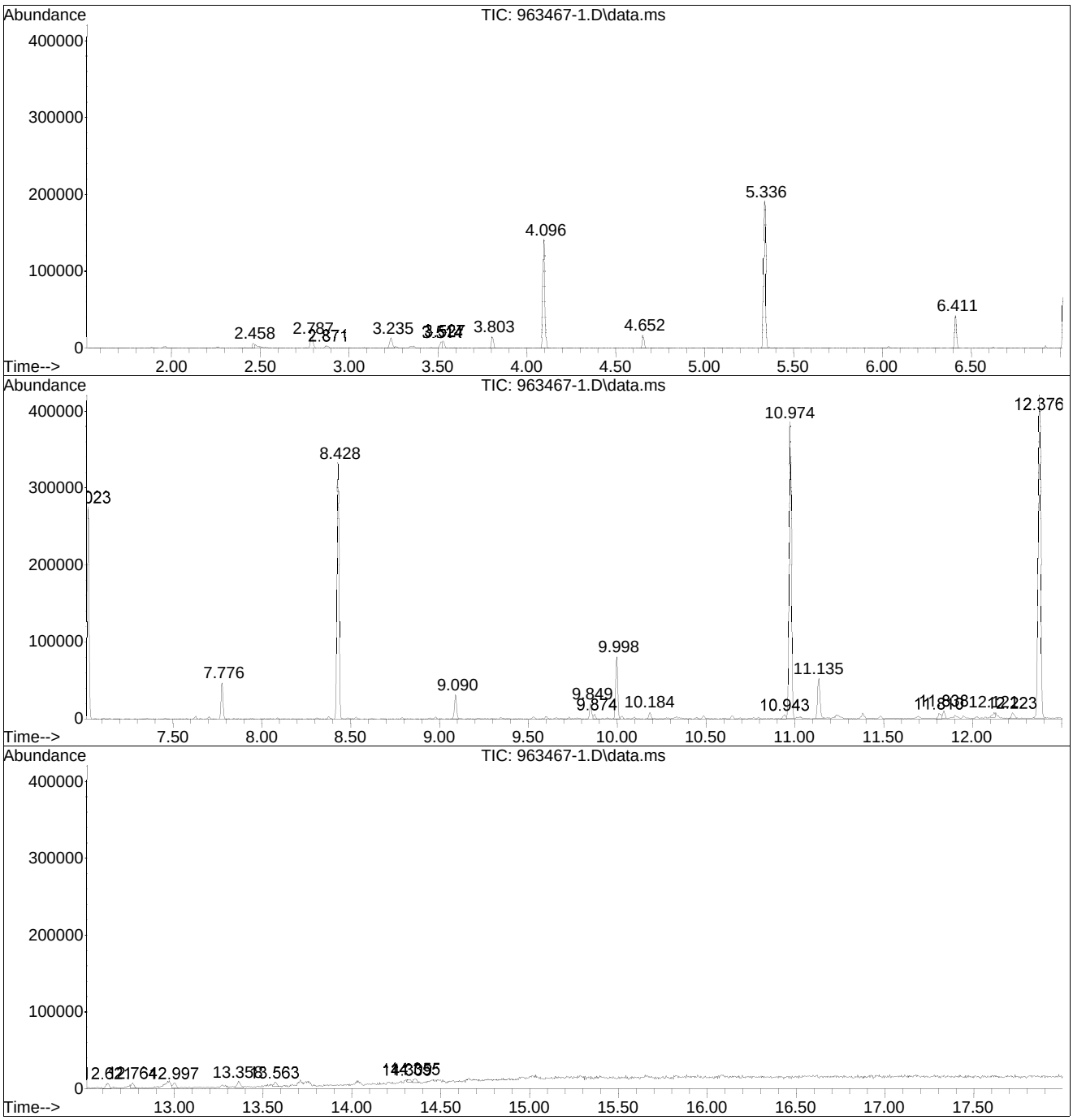
Sum of corrected areas: 1911174

LSC Report - Integrated Chromatogram

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

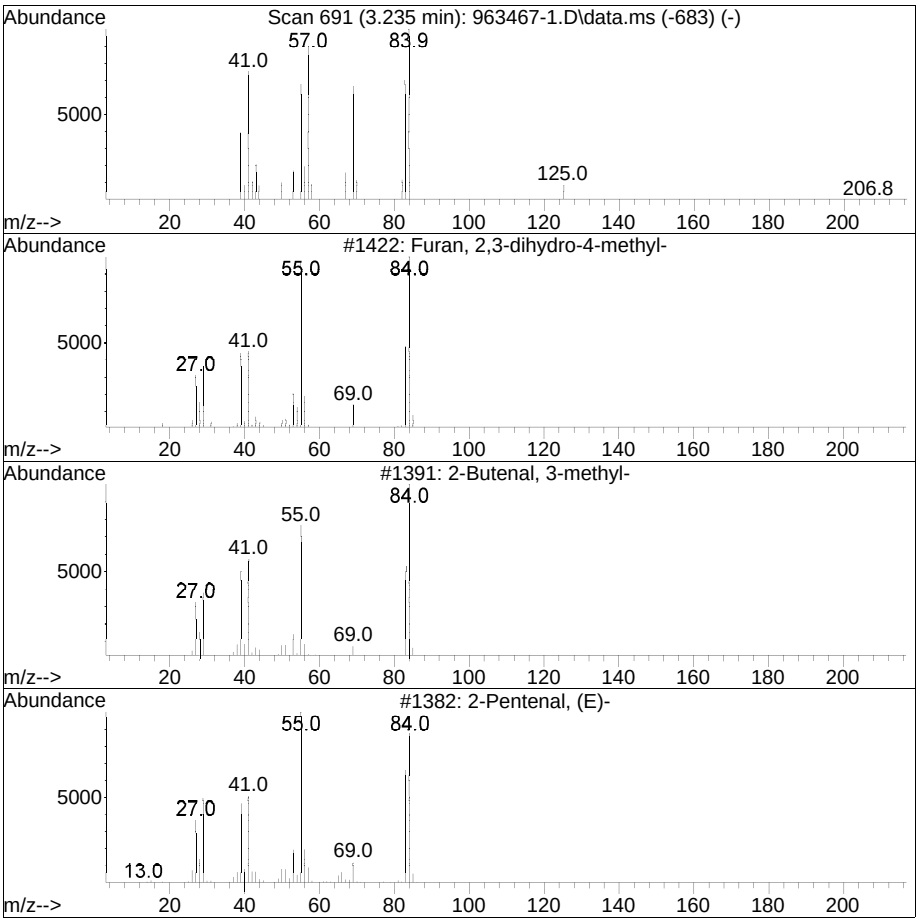
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

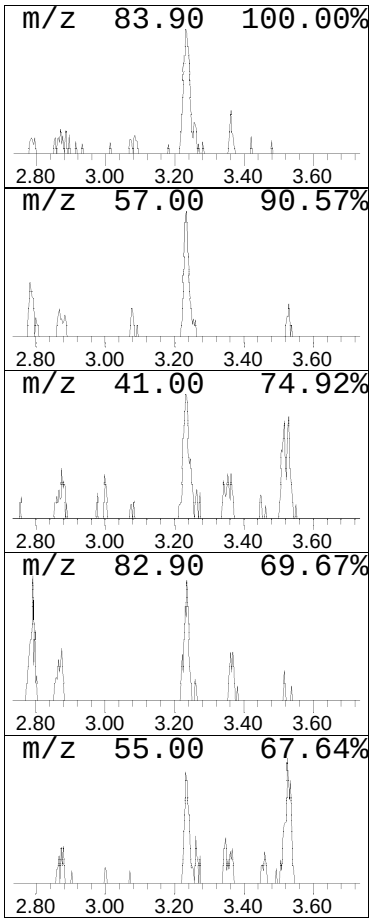
****

Peak Number 1 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.235	0.48 ug/ml	14174	IS2_1,4-Dichlorobenzene-d4	4.096

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, 2,3-dihydro-4-methyl-	84	C5H8O	034314-83-5	53
2	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	53
3	2-Pentenal, (E)-	84	C5H8O	001576-87-0	50
4	2-Ethylacrolein	84	C5H8O	000922-63-4	50
5	Cyclobutaneethanol, .beta.-methy...	112	C7H12O	116203-80-6	42





Library Search Compound Report

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

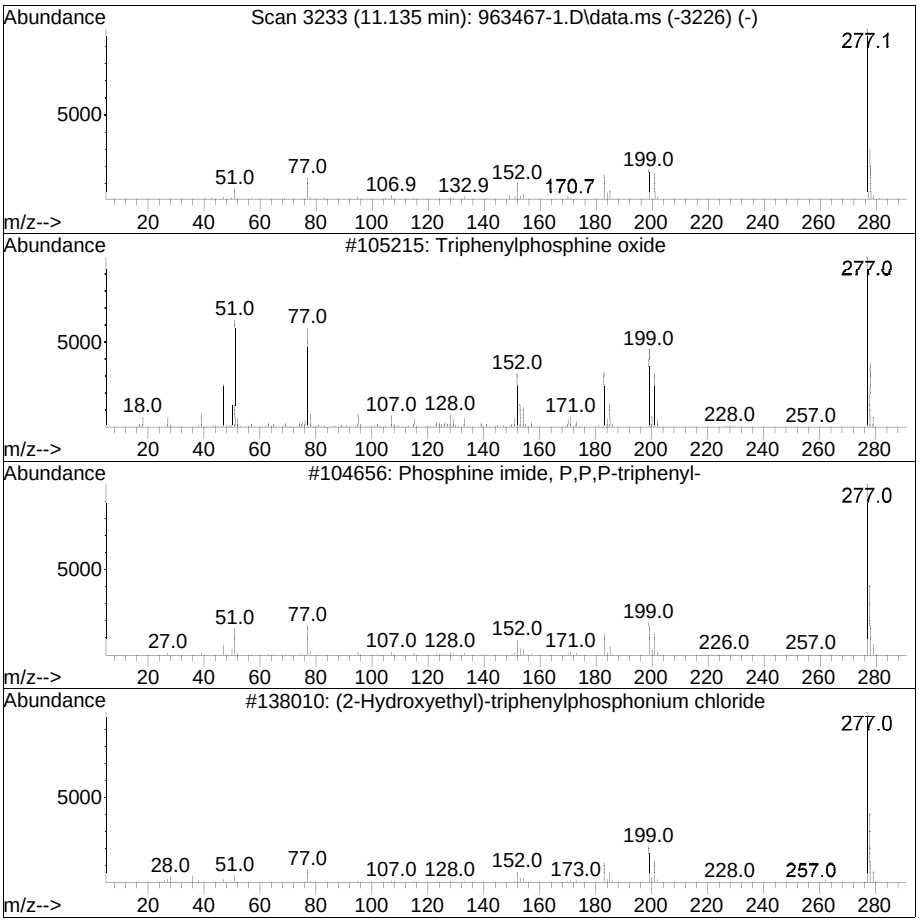
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

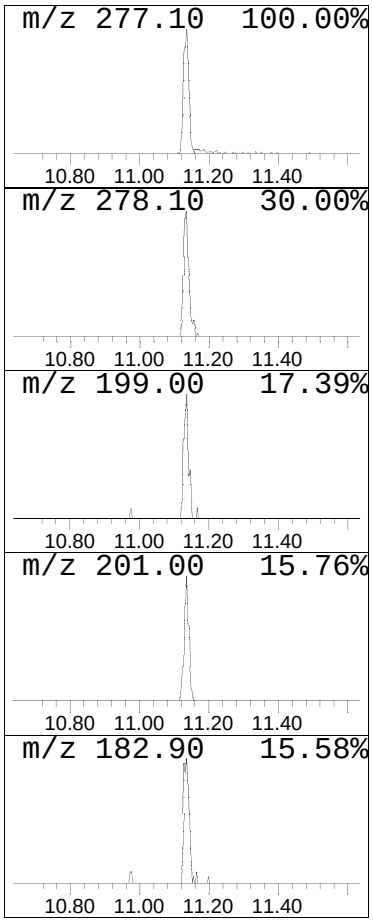
****

Peak Number 2 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.136	0.59 ug/ml	50224	IS1_Chrysene-d12	10.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	70
2	Phosphine imide, P,P,P-triphenyl-	277	C18H16NP	002240-47-3	64
3	(2-Hydroxyethyl)-triphenylphosph...	342	C20H20ClOP	023250-03-5	64
4	Vanadium, cycloheptatrienyl-(pen...	277	C17H22V	1000155-20-5	59
5	Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	53





Tentatively Identified Compound (LSC) summary

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-1.D
Acq On : 25 Aug 2024 11:29 pm
Operator : Dakota:mrg
Sample : WG1963467-1,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 4 Sample Multiplier: 1

Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown	3.235	0.5	ug/ml	14174	1	4.096	117664	4.0
Unknown	11.136	0.6	ug/ml	50224	12	10.974	342249	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 13:40:27 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.228	152	35598	4.000	ug/ml	# 0.00
Standard Area 1 = 45917			Recovery = 77.53%			
27) IS2_1,4-Dichlorobenzen...	6.228	152	35598	4.000	ug/ml	# 0.00
Standard Area 3 = 36294			Recovery = 98.08%			
32) IS3_1,4-Dichlorobenzen...	6.228	152	35598	4.000	ug/ml	# 0.00
Standard Area 2 = 41791			Recovery = 85.18%			
35) IS1_Naphthalene-d8	7.675	136	130112	4.000	ug/ml	# 0.00
Standard Area 1 = 173745			Recovery = 74.89%			
55) IS2_Naphthalene-d8	7.675	136	130112	4.000	ug/ml	# 0.00
Standard Area 3 = 126390			Recovery = 102.94%			
63) IS1_Acenaphthene-d10	9.433	164	78802	4.000	ug/ml	0.00
Standard Area 1 = 117972			Recovery = 66.80%			
83) IS2_Acenaphthene-d10	9.433	164	78802	4.000	ug/ml	0.00
Standard Area 3 = 82293			Recovery = 95.76%			
86) IS3_Acenaphthene-d10	9.433	164	78802	4.000	ug/ml	0.00
Standard Area 2 = 99896			Recovery = 78.88%			
88) IS1_Phenanthrene-d10	10.869	188	157376	4.000	ug/ml	# 0.00
Standard Area 1 = 251960			Recovery = 62.46%			
100) IS3_Phenanthrene-d10	10.869	188	157376	4.000	ug/ml	# 0.00
Standard Area 2 = 214594			Recovery = 73.34%			
104) IS1_Chrysene-d12	13.480	240	169854	4.000	ug/ml	0.00
Standard Area 1 = 246745			Recovery = 68.84%			
113) IS1_Perylene-d12	14.933	264	193010	4.000	ug/ml	0.00
Standard Area 1 = 274826			Recovery = 70.23%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.163	112	11299	1.098	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.90%			
7) Phenol-d6	5.869	99	9624	0.683	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.15%			
19) Nitrobenzene-d5	6.904	82	13586	0.943	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 94.30%			
46) 2-Fluorobiphenyl	8.804	172	21487	0.643	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.30%			
79) 2,4,6-Tribromophenol	10.204	330	5825	1.186	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.30%			

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 13:40:27 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.451	244	31300	0.740	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 74.00%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
28) Benzaldehyde	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	d
53) 2,6-Dinitrotoluene	0.000	0	N.D.	d
60) Caprolactam	0.000	0	N.D.	d
61) 1,2,4,5-Tetrachloroben...	0.000	0	N.D.	
62) Biphenyl	0.000	0	N.D.	
64) 3-Nitroaniline	0.000	0	N.D.	
66) 2,4-Dinitrophenol	0.000	0	N.D.	
67) Dibenzofuran	0.000	0	N.D.	
68) 2,4-Dinitrotoluene	0.000	0	N.D.	d
69) 4-Nitrophenol	0.000	0	N.D.	
71) 2,3,4,6-Tetrachlorophenol	0.000	0	N.D.	
72) Diethyl phthalate	0.000	0	N.D.	d

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 13:40:27 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
87) Atrazine	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	11.510	149	2043	0.043	ug/ml#	79
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.604	149	1295	0.037	ug/ml#	52
109) Di-n-octylphthalate	0.000		0	N.D.	d	

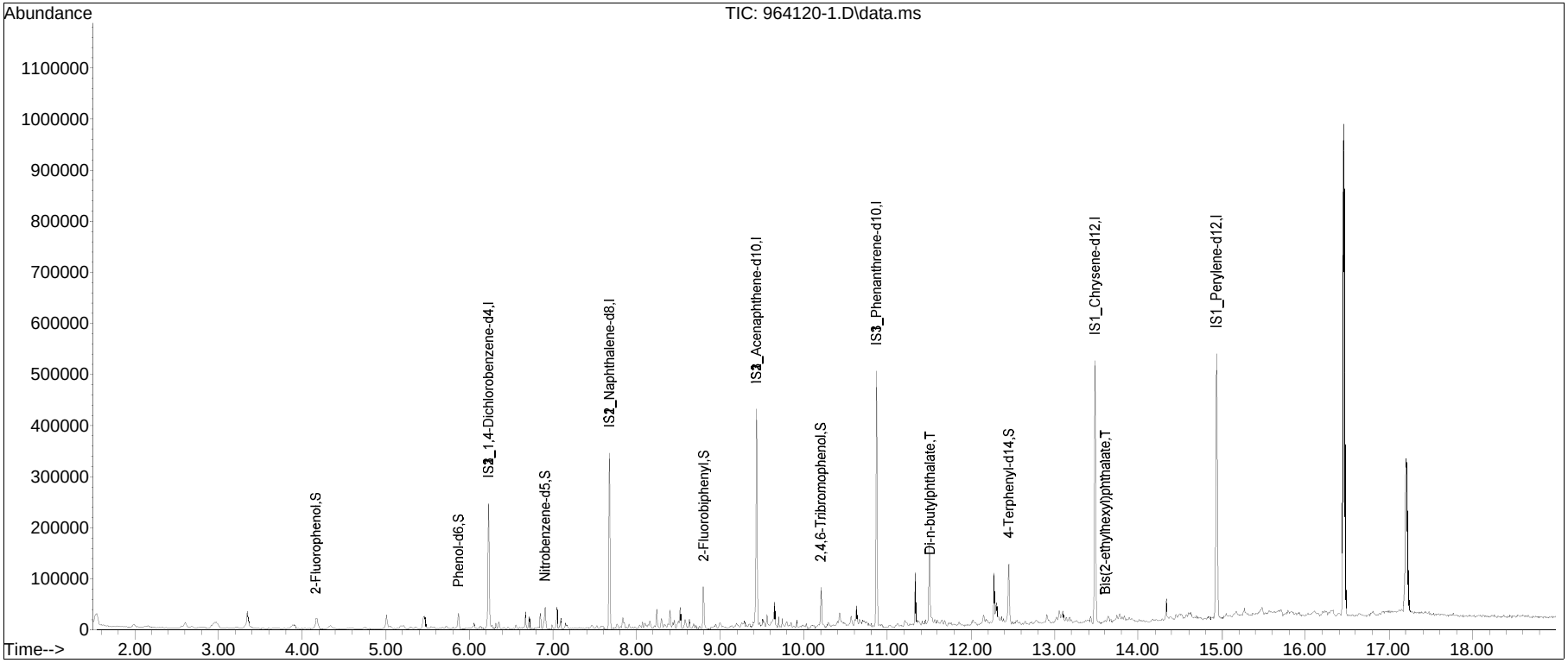
(#) = qualifier out of range (m) = manual integration (+) = signals summed

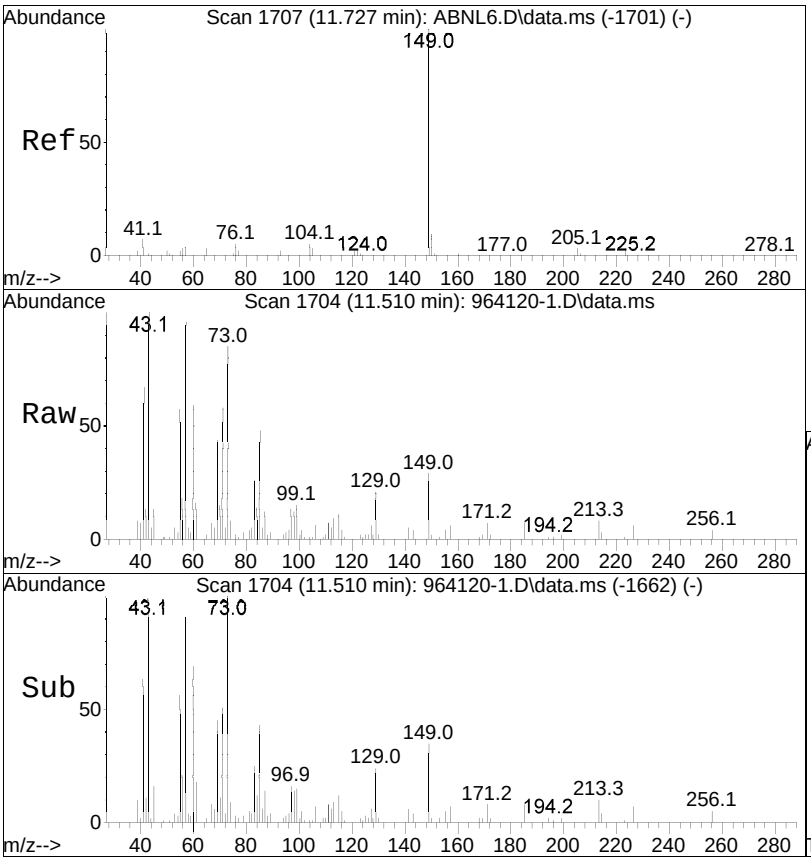
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 27 13:40:27 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90827.D•

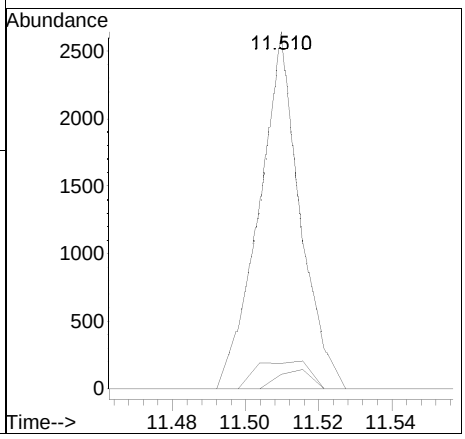


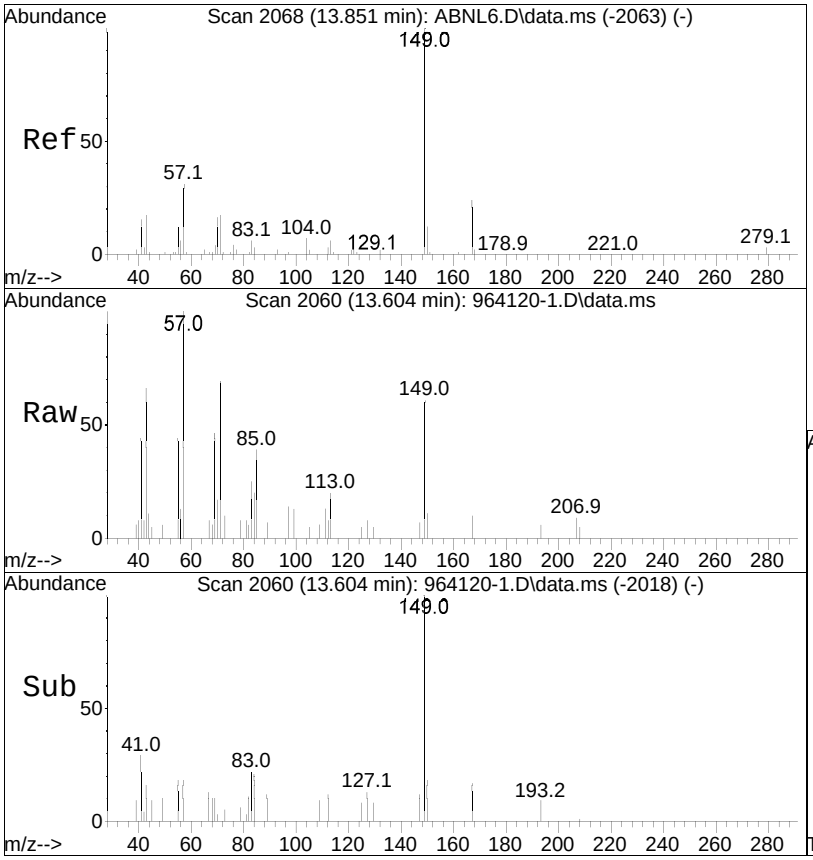


#92
Di-n-butylphthalate
Concen: 0.04 ug/ml
RT: 11.510 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 964120-1.D
Acq: 27 Aug 2024 10:27 am

Tgt Ion:149 Resp: 2043

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#

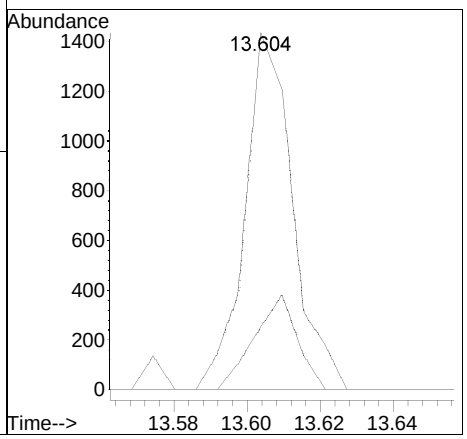




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.04 ug/ml
RT: 13.604 min Scan# 2060
Delta R.T. -0.000 min
Lab File: 964120-1.D
Acq: 27 Aug 2024 10:27 am

Tgt Ion:149 Resp: 1295

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\240827RVT\	QMethod	: FS240624SV106.m
Data File	: 964120-1.D	Operator	: SV106:im
Date Inj'd	: 8/27/2024 10:27 am	Instrument	: SV 106
Sample	: WG1964120-1,32,,gmr	Quant Date	: 8/27/2024 10:46 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

Signal : TIC: 964120-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.604	185	190	196	rVB6	10136	19661	1.43%	0.308%
2	2.957	239	250	251	rBV7	11901	27926	2.02%	0.437%
3	2.975	251	253	262	rVB8	12442	26518	1.92%	0.415%
4	3.340	305	315	329	rBV2	31831	78822	5.71%	1.233%
5	4.169	448	456	467	rVB2	20744	50650	3.67%	0.792%
6	4.345	476	486	492	rBV8	6717	18924	1.37%	0.296%
7	5.010	592	599	604	rBV2	25987	46887	3.40%	0.733%
8	5.463	667	676	681	rBV4	24340	54949	3.98%	0.859%
9	5.869	738	745	749	rVB3	31311	37962	2.75%	0.594%
10	6.051	770	776	783	rBV2	10696	16189	1.17%	0.253%
11	6.228	798	806	811	rBV	245810	259146	18.78%	4.053%
12	6.669	877	881	886	rVB	31369	35494	2.57%	0.555%
13	6.716	886	889	893	rVB	23444	21210	1.54%	0.332%
14	6.851	909	912	915	rVB	31026	27040	1.96%	0.423%
15	6.904	915	921	925	rBV2	42076	48852	3.54%	0.764%
16	7.045	940	945	949	rBV2	41898	45280	3.28%	0.708%
17	7.092	949	953	958	rVV	20333	23335	1.69%	0.365%
18	7.151	958	963	971	rVB4	11769	19157	1.39%	0.300%
19	7.675	1048	1052	1055	rBV	343887	307619	22.30%	4.811%
20	7.839	1077	1080	1082	rBV	20043	20562	1.49%	0.322%
21	8.163	1133	1135	1142	rVB	14223	15762	1.14%	0.247%
22	8.245	1146	1149	1152	rVV	35554	28937	2.10%	0.453%
23	8.298	1154	1158	1162	rBV	18693	20961	1.52%	0.328%
24	8.398	1173	1175	1178	rVB	32406	26413	1.91%	0.413%
25	8.498	1187	1192	1193	rBV3	14991	19873	1.44%	0.311%
26	8.522	1193	1196	1200	rVB	39995	40114	2.91%	0.627%
27	8.575	1200	1205	1210	rBV3	17241	23577	1.71%	0.369%
28	8.622	1210	1213	1219	rBV2	17281	21206	1.54%	0.332%

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

29	8.798	1240	1243	1250	rVB	81821	81029	5.87%	1.267%
30	9.004	1274	1278	1282	rBV5	10561	17478	1.27%	0.273%
31	9.433	1346	1351	1355	rVB	422620	393912	28.55%	6.161%
32	9.563	1370	1373	1376	rBV2	23207	20657	1.50%	0.323%
33	9.645	1378	1387	1393	rVB2	47803	71882	5.21%	1.124%
34	9.698	1393	1396	1399	rBV	19644	17153	1.24%	0.268%
35	9.745	1402	1404	1410	rVB2	15151	14827	1.07%	0.232%
36	9.916	1430	1433	1438	rBV4	14895	14101	1.02%	0.221%
37	10.204	1479	1482	1485	rVV2	73912	57062	4.14%	0.892%
38	10.427	1517	1520	1523	rBV2	19236	19770	1.43%	0.309%
39	10.563	1537	1543	1548	rVB4	18112	23513	1.70%	0.368%
40	10.627	1548	1554	1558	rBV2	38310	55586	4.03%	0.869%
41	10.869	1591	1595	1599	rBV	499206	419742	30.43%	6.565%
42	11.204	1649	1652	1655	rBV4	11945	17025	1.23%	0.266%
43	11.327	1669	1673	1678	rBV2	102839	105559	7.65%	1.651%
44	11.504	1697	1703	1707	rBV2	154592	147451	10.69%	2.306%
45	11.686	1732	1734	1739	rVB3	11524	13979	1.01%	0.219%
46	12.145	1809	1812	1815	rBV4	15288	17782	1.29%	0.278%
47	12.268	1829	1833	1836	rBV	94963	99628	7.22%	1.558%
48	12.304	1836	1839	1842	rVB	27678	30711	2.23%	0.480%
49	12.451	1858	1864	1869	rVB	118667	131582	9.54%	2.058%
50	12.780	1914	1920	1924	rBV9	7356	14033	1.02%	0.219%
51	12.904	1938	1941	1945	rBV5	14896	17071	1.24%	0.267%
52	13.021	1955	1961	1963	rBV6	11144	17249	1.25%	0.270%
53	13.051	1963	1966	1969	rVV4	21298	27510	1.99%	0.430%
54	13.098	1969	1974	1978	rVB5	18632	32463	2.35%	0.508%
55	13.433	2029	2031	2035	rVB3	15069	14787	1.07%	0.231%
56	13.480	2035	2039	2044	rBV	514409	509941	36.96%	7.976%
57	13.639	2062	2066	2069	rBV5	10713	14789	1.07%	0.231%
58	14.327	2179	2183	2190	rBV2	41292	54969	3.98%	0.860%
59	14.933	2281	2286	2291	rBV	518642	558740	40.50%	8.739%
60	15.268	2338	2343	2346	rBV7	14593	24315	1.76%	0.380%

LSC Area Percent Report

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 500 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Title : Semivolatiles by GC/MS by modified 8270

61	16.456	2539	2545	2553	rVB	963437	1379546	100.00%	21.577%
62	17.203	2665	2672	2682	rVB	302803	574855	41.67%	8.991%

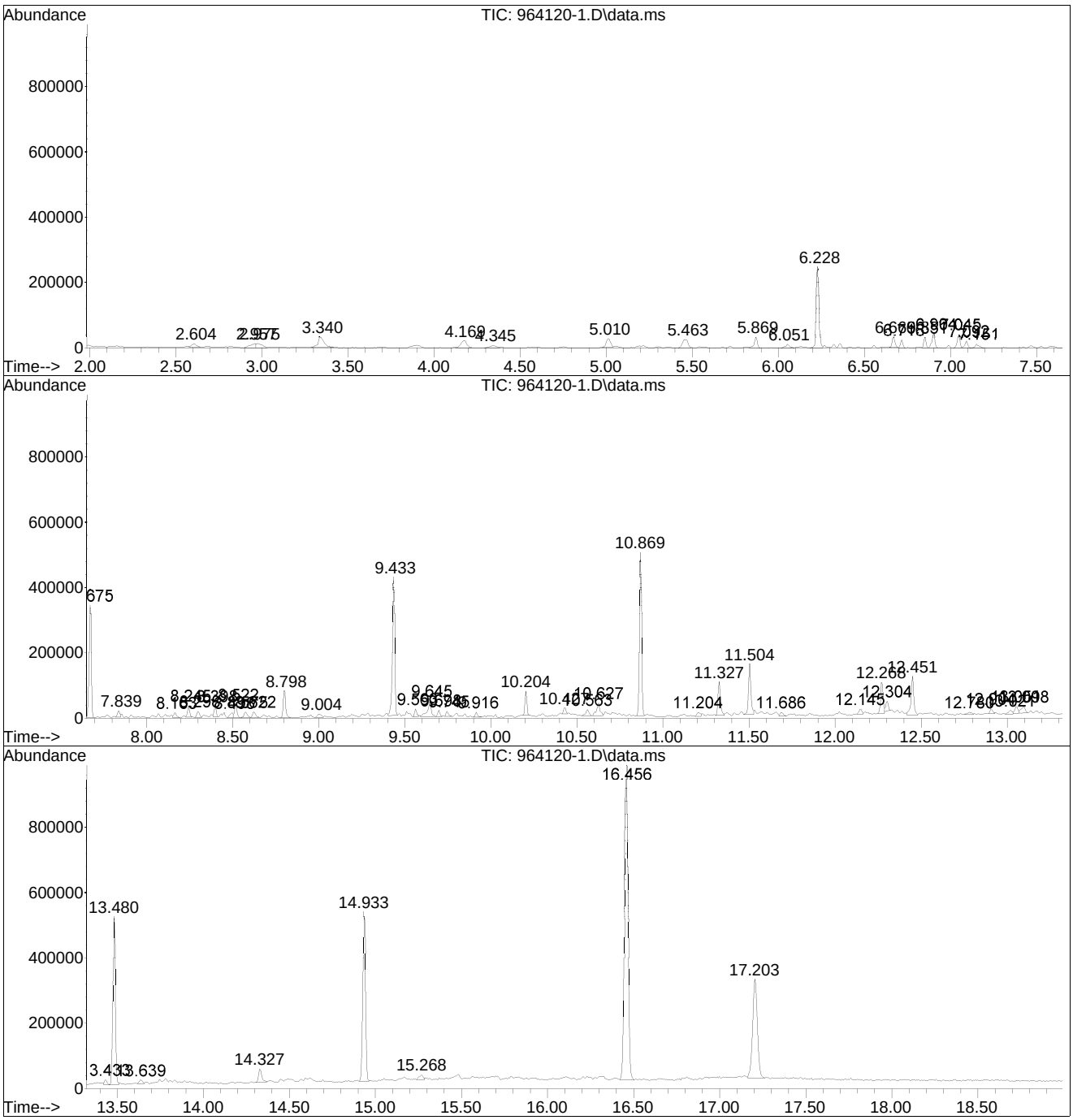
Sum of corrected areas: 6393723

LSC Report - Integrated Chromatogram

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

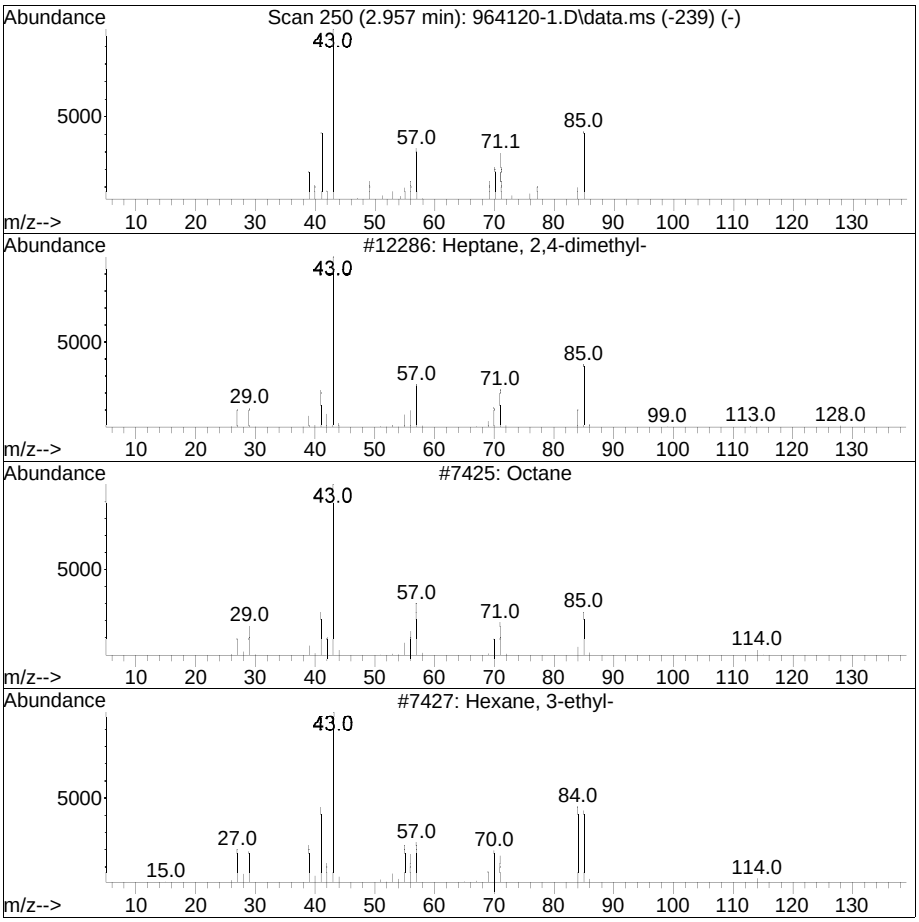
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

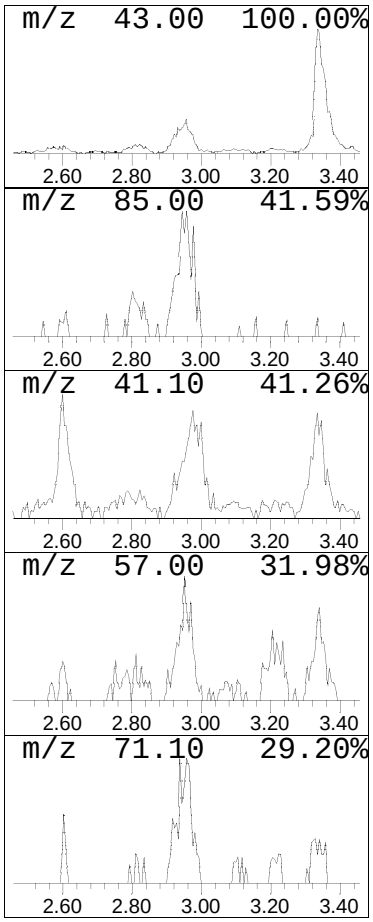
****

Peak Number 1 Unknown Alkane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.957	0.43 ug/ml	27926	IS2_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47
2	Octane	114	C8H18	000111-65-9	47
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	37
5	Octane, 4-methyl-	128	C9H20	002216-34-4	35





Library Search Compound Report

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

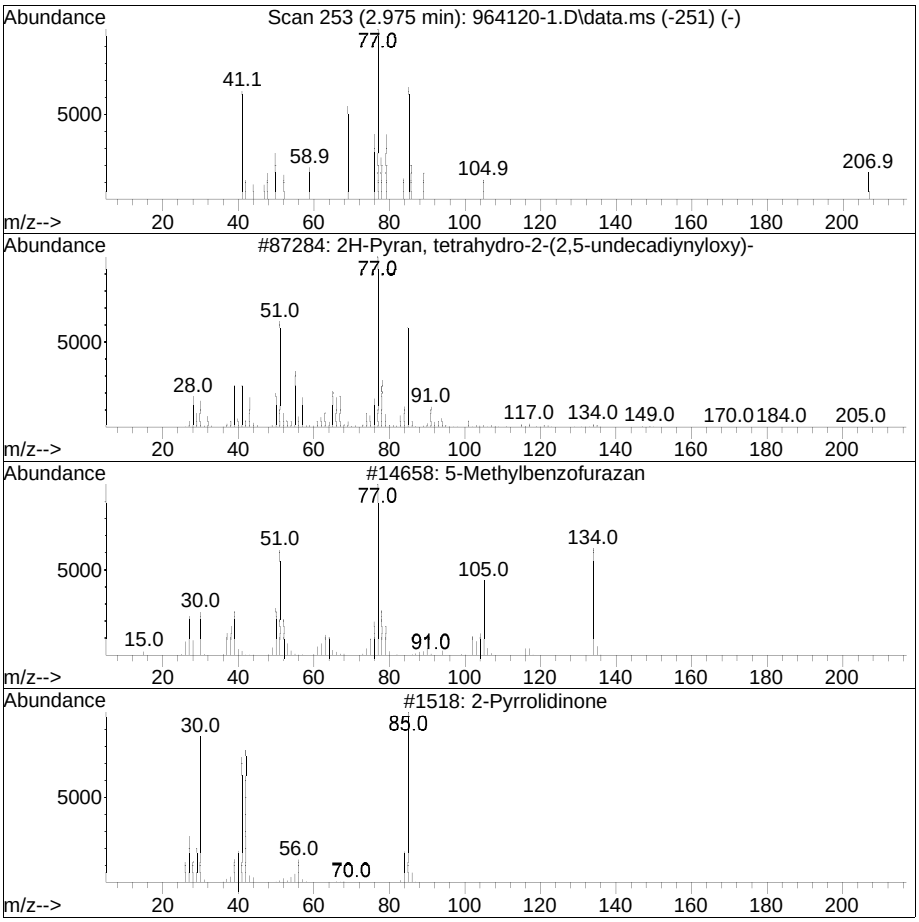
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

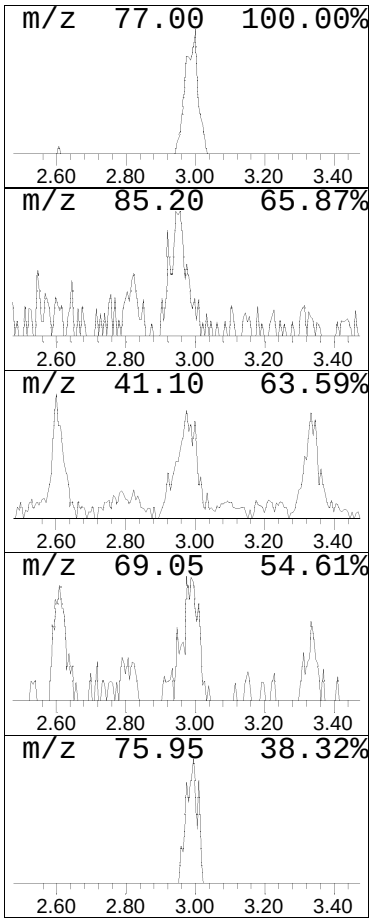
****

Peak Number 2 Unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.975	0.41 ug/ml	26518	IS2_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-(2,5-unde...	248	C16H24O2	055947-04-1	25
2	5-Methylbenzofurazan	134	C7H6N2O	020304-86-3	12
3	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
4	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	9
5	Ethyl .beta.-benzamidostyryl(phe...	391	C23H22NO3P	1000222-82-4	9





Library Search Compound Report

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

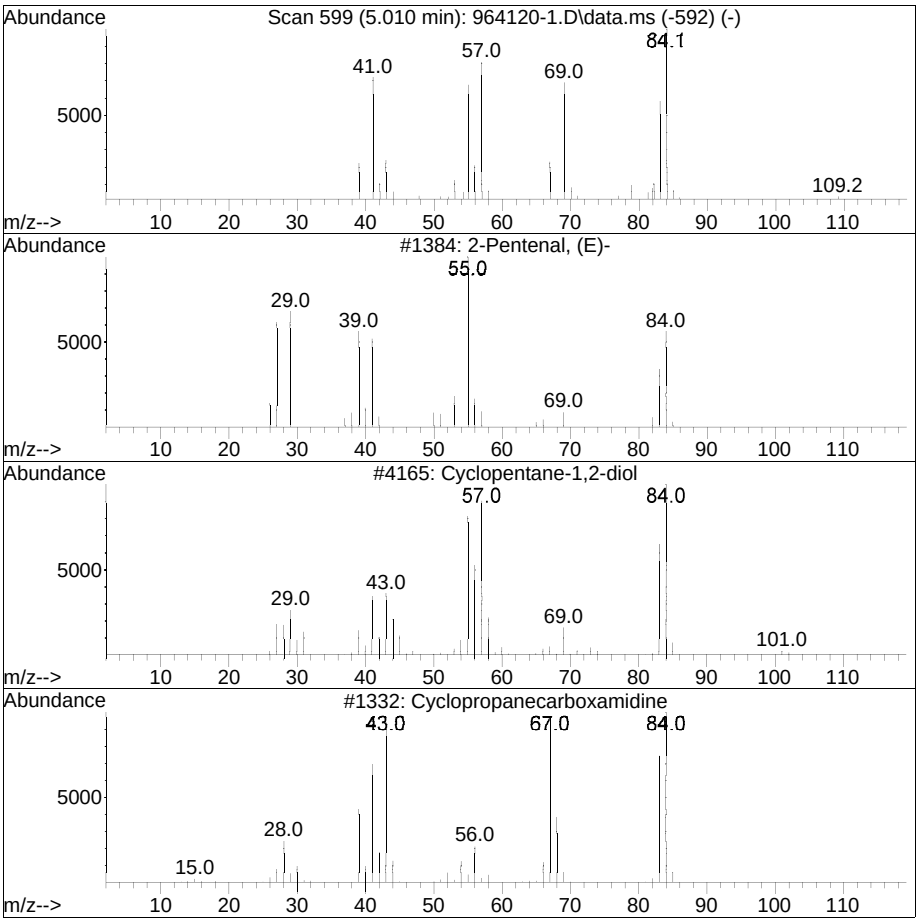
TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

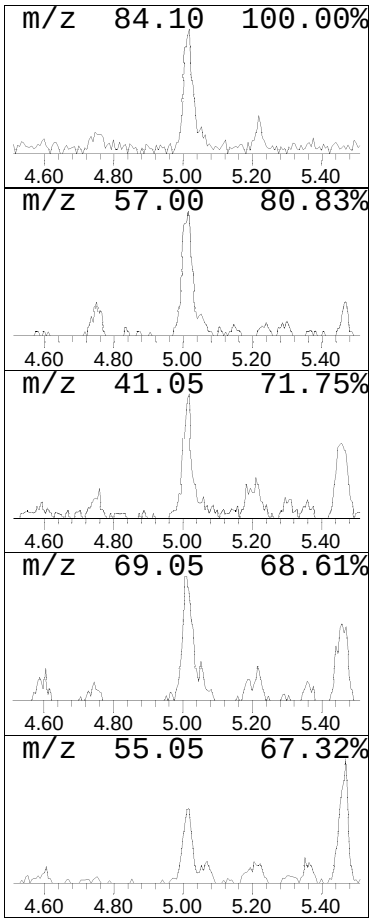
****

Peak Number 4 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	0.72 ug/ml	46887	IS2_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenal, (E)-	84	C5H8O	001576-87-0	53
2	Cyclopentane-1,2-diol	102	C5H10O2	1000194-24-0	53
3	Cyclopropanecarboxamidine	84	C4H8N2	054070-74-5	50
4	2-Butenal, 3-methyl-	84	C5H8O	000107-86-8	49
5	1H-Imidazole, 4,5-dihydro-2-methyl-	84	C4H8N2	000534-26-9	47





Library Search Compound Report

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Data File : 964120-1.D
Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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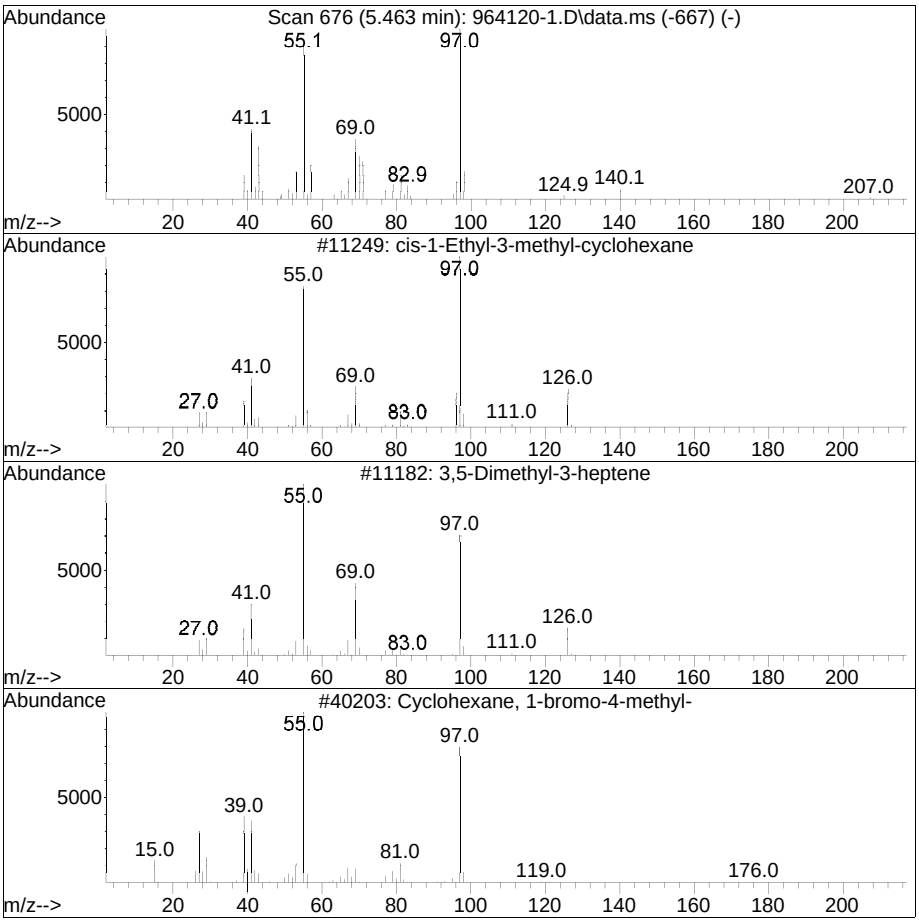
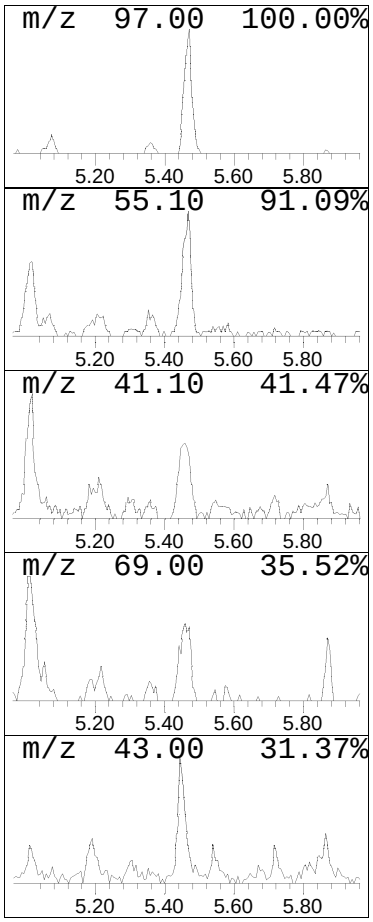
Peak Number 5 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.463	0.85 ug/ml	54949	IS2_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
2	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	50
3	Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	50
4	2-Pentene, 2,3,4-trimethyl-	112	C8H16	000565-77-5	50
5	Cyclohexane, 1-methyl-3-(1-methy...	140	C10H20	016580-24-8	50





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ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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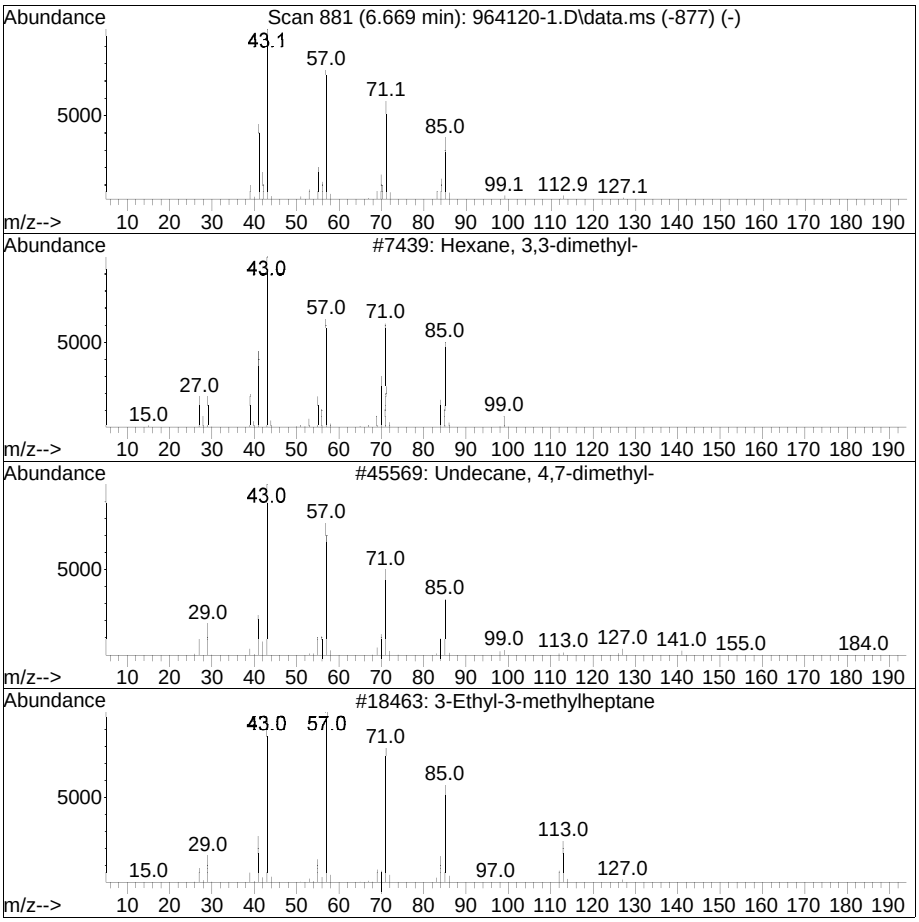
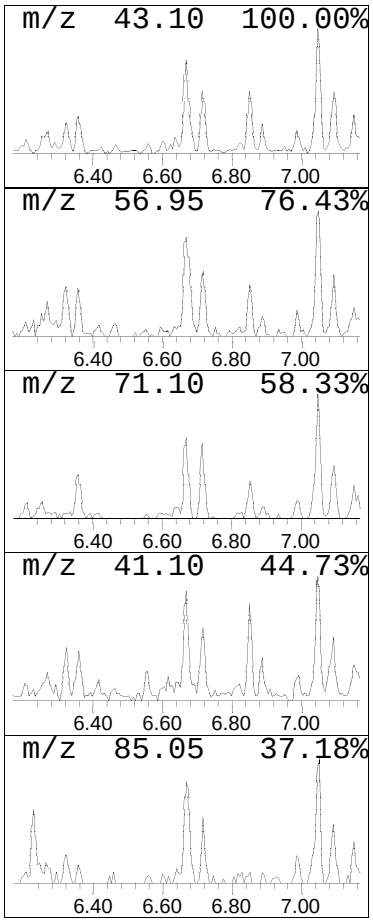
Peak Number 6 Unknown Alkane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.669	0.55 ug/ml	35494	IS3_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	78
2	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	72
3	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59
4	Octane, 6-ethyl-2-methyl-	156	C11H24	062016-19-7	59
5	Hexadecane	226	C16H34	000544-76-3	59





Library Search Compound Report

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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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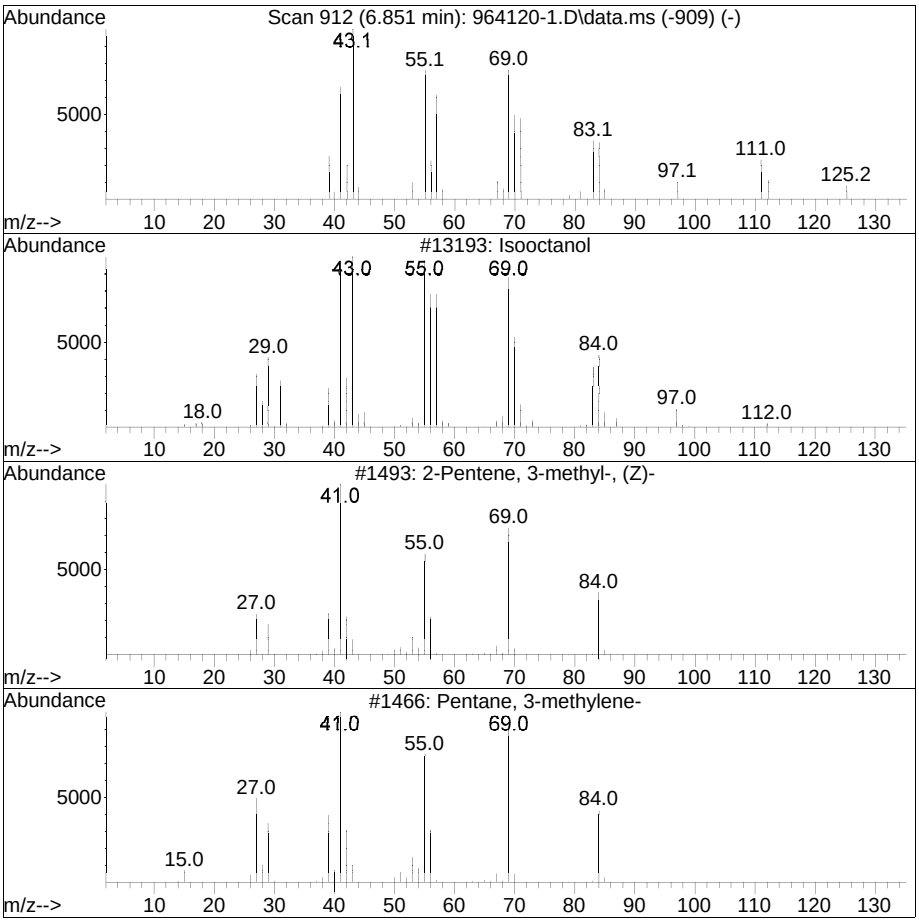
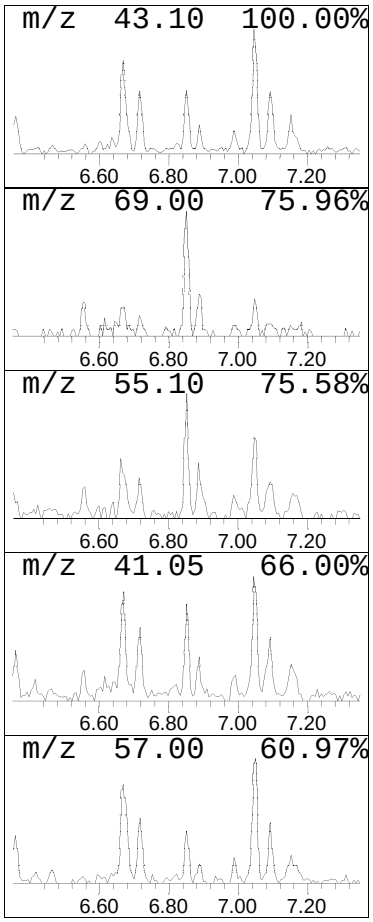
Peak Number 7 Unknown Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.851	0.42 ug/ml	27040	IS3_1,4-Dichlorobenzene-d4	6.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isooctanol	130	C8H18O	026952-21-6	50
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	45
3	Pentane, 3-methylene-	84	C6H12	000760-21-4	38
4	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	38
5	Cyanamide, dimethyl-	70	C3H6N2	001467-79-4	35





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Acq On : 27 Aug 2024 10:27 am
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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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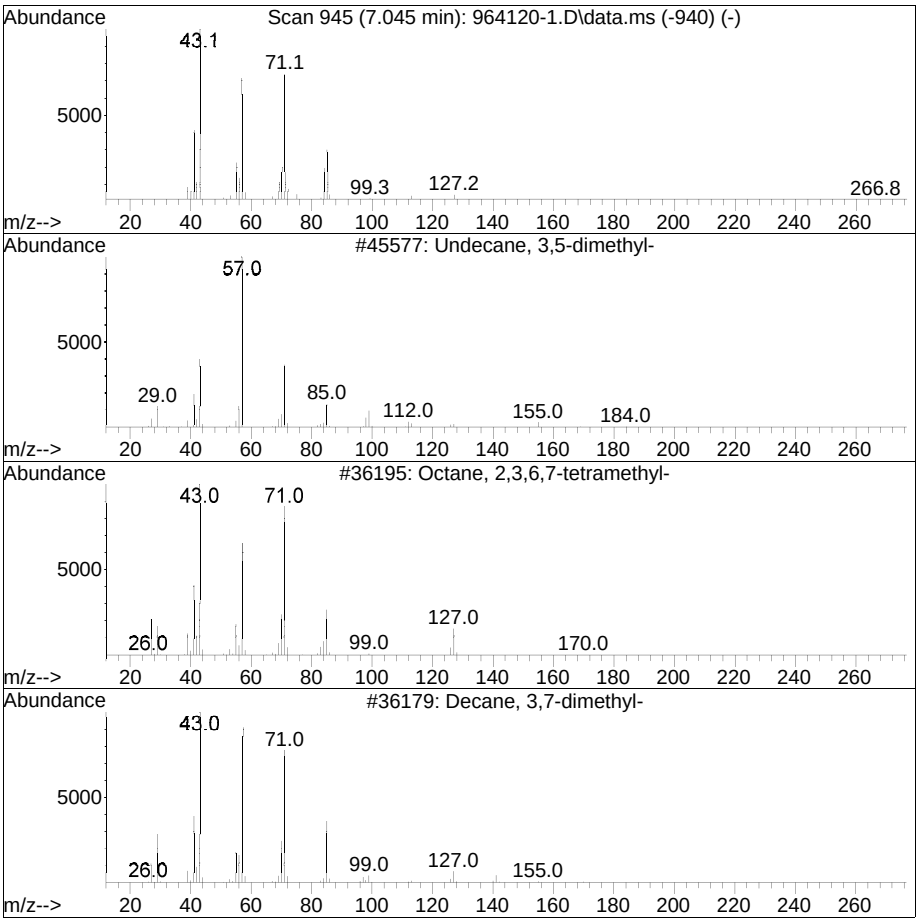
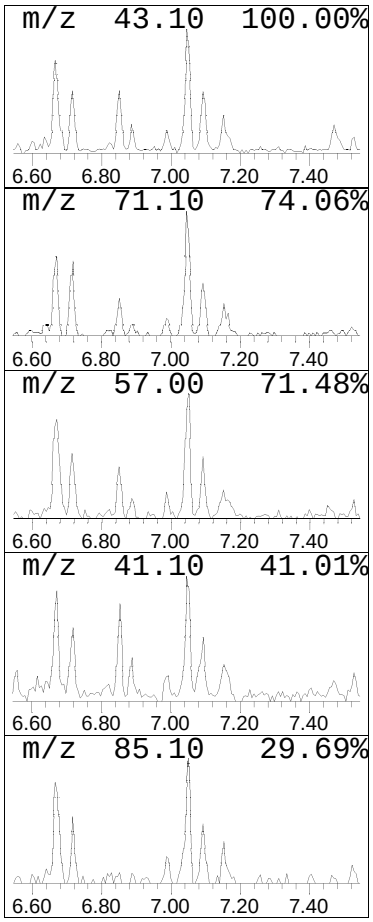
Peak Number 8 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.045	0.59 ug/ml	45280	IS1_Naphthalene-d8	7.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64
2	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	64
3	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	64
4	l-Threitol, 2-O-nonyl-	248	C13H28O4	163776-15-6	59
5	Butanoic acid, 1-methyloctyl ester	214	C13H26O2	069727-42-0	59





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Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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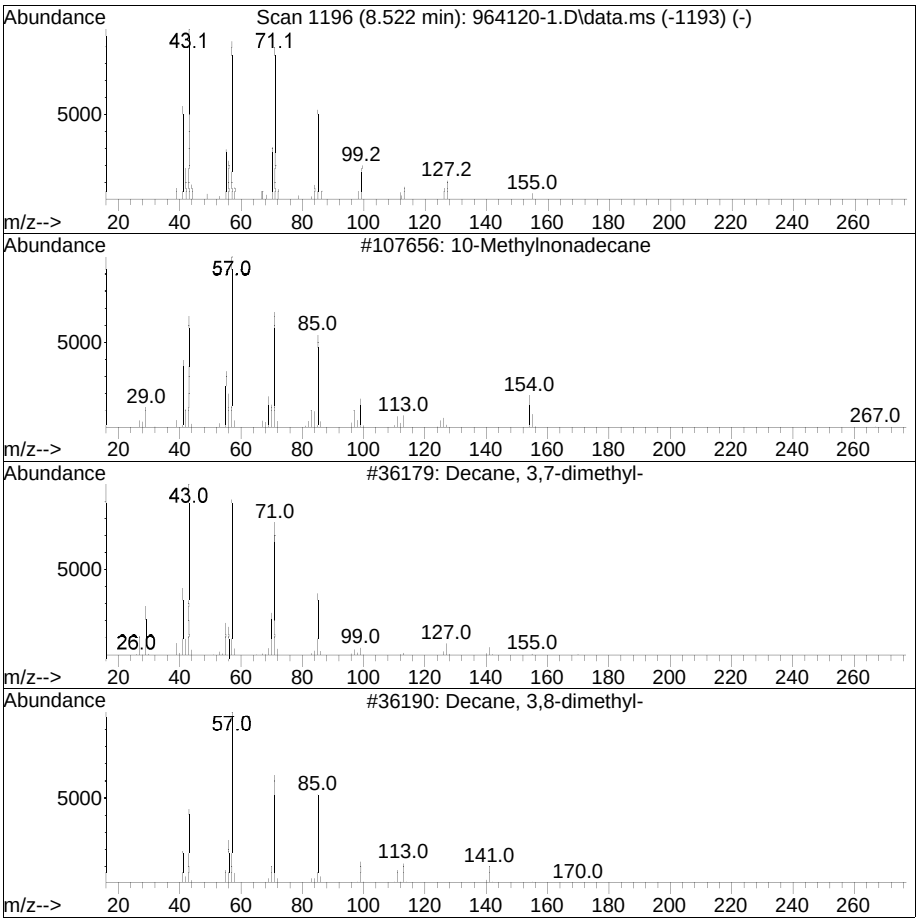
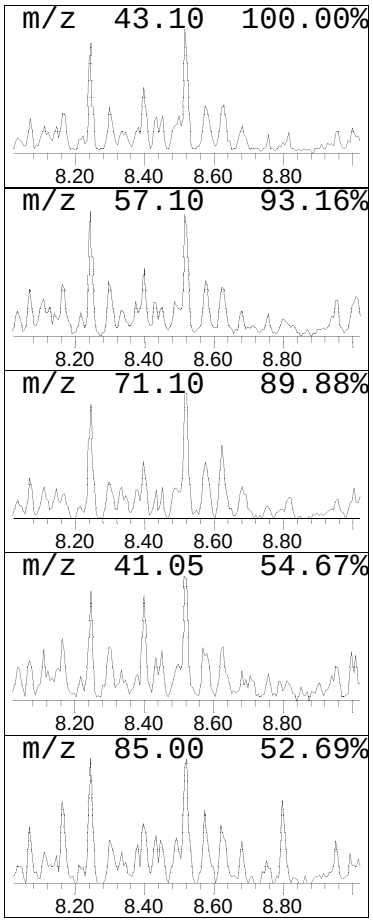
Peak Number 9 Unknown Alkane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.522	0.52 ug/ml	40114	IS2_Naphthalene-d8	7.675

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	78
2	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	72
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	64
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64





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Acq On : 27 Aug 2024 10:27 am
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Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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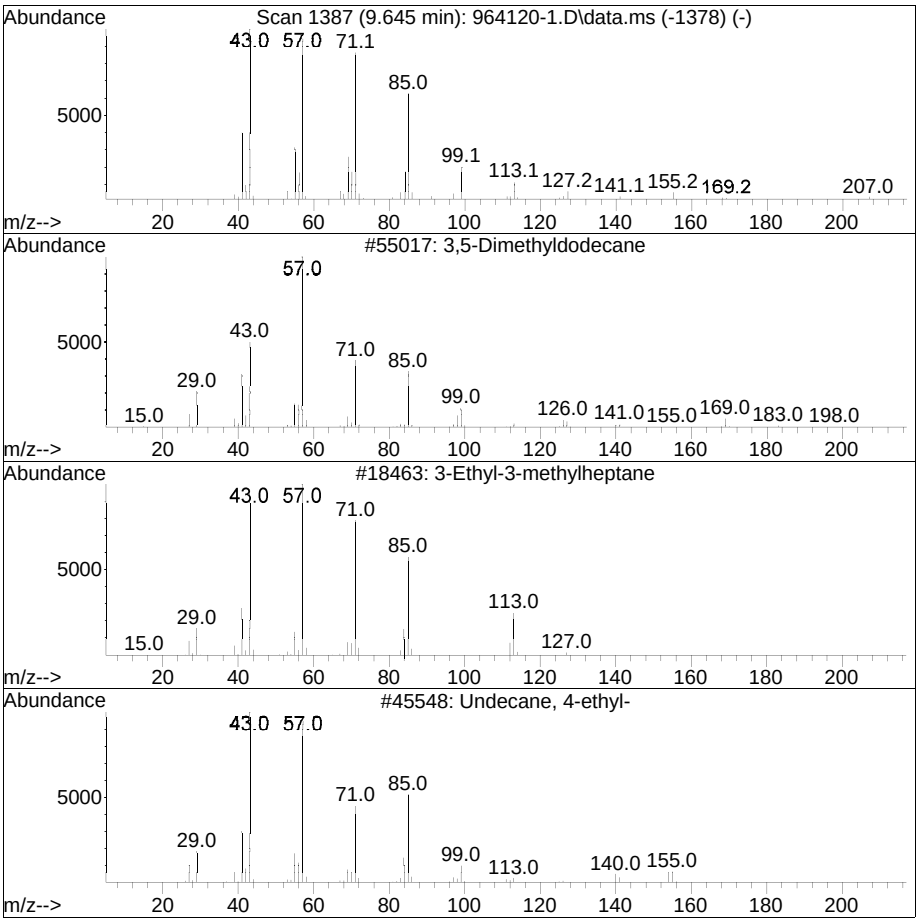
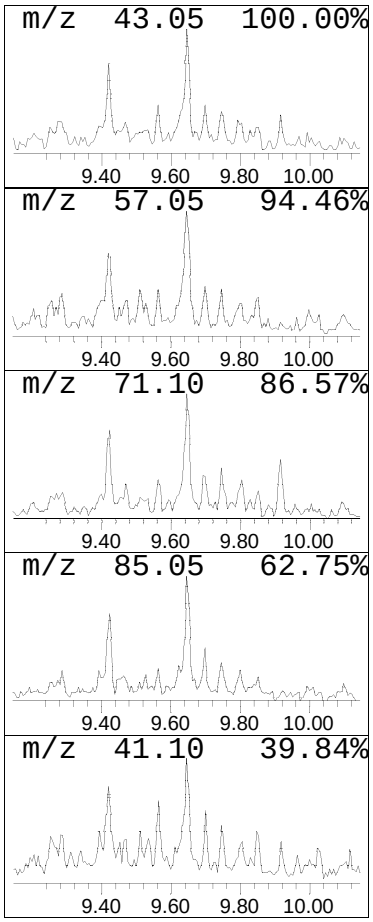
Peak Number 10 Unknown Alkane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.645	0.73 ug/ml	71882	IS3_Acenaphthene-d10	9.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyldodecane	198	C14H30	107770-99-0	72
2	3-Ethyl-3-methylheptane	142	C10H22	017302-01-1	59
3	Undecane, 4-ethyl-	184	C13H28	017312-59-3	50
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	50
5	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	50





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Acq On : 27 Aug 2024 10:27 am
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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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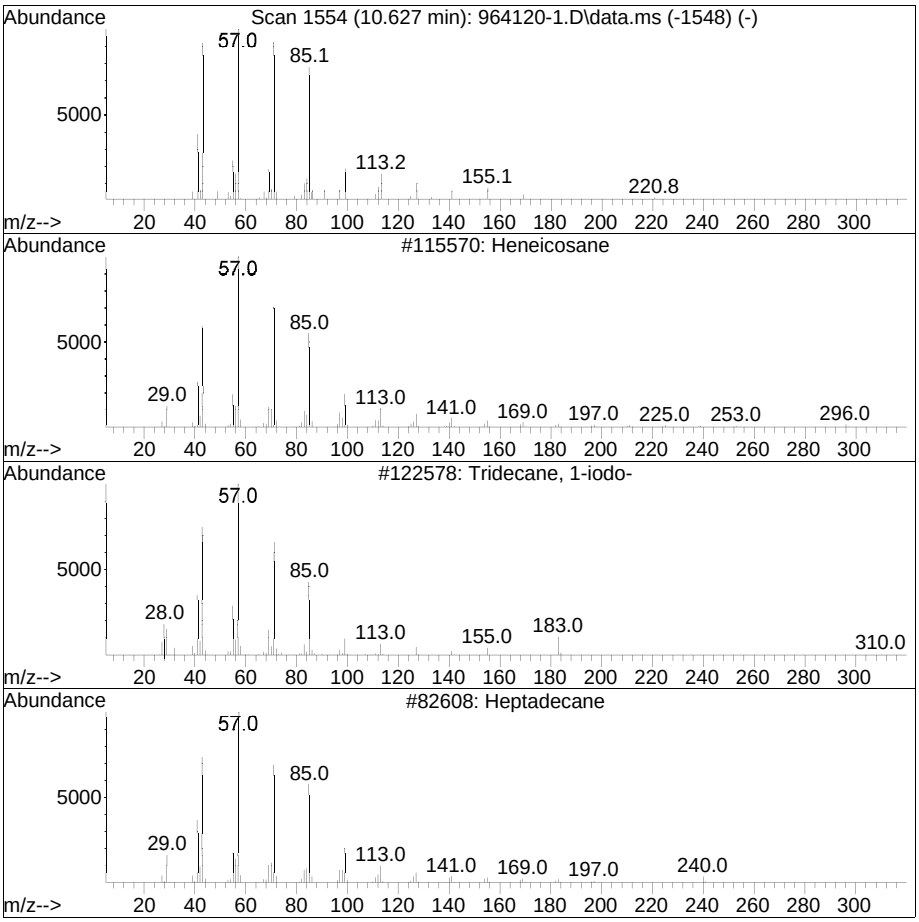
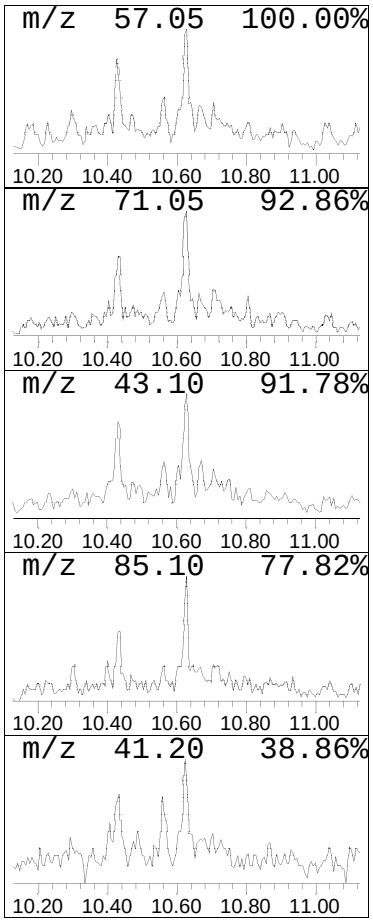
Peak Number 11 Unknown Alkane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.627	0.53 ug/ml	55586	IS1_Phenanthrene-d10	10.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	86
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
3	Heptadecane	240	C17H36	000629-78-7	78
4	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	72
5	Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	72





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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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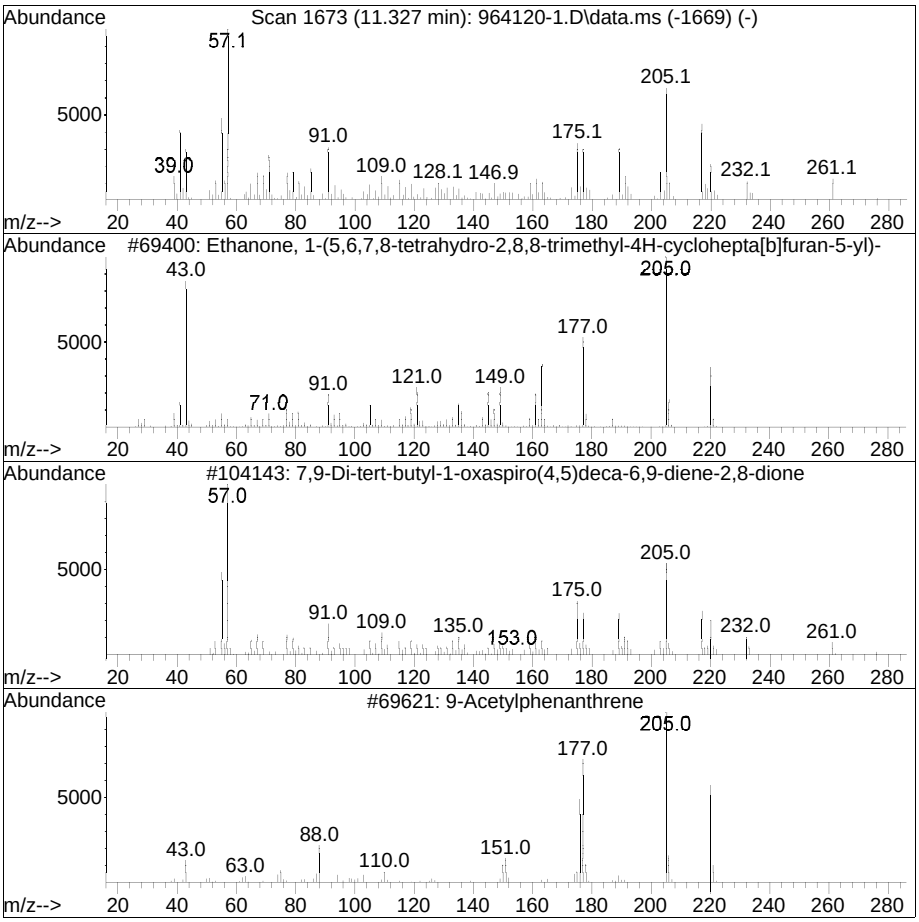
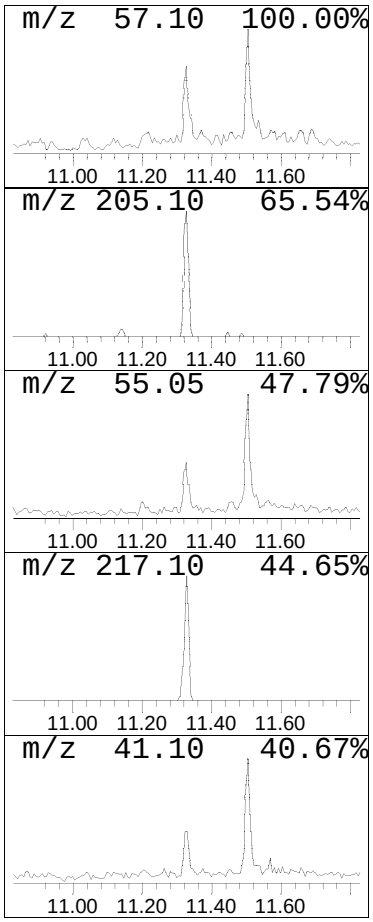
Peak Number 12 Unknown Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.327	1.01 ug/ml	105559	IS3_Phenanthrene-d10	10.869

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(5,6,7,8-tetrahydro-...	220	C14H20O2	071596-88-8	83
2	7,9-Di-tert-butyl-1-oxaspiro(4,5...	276	C17H24O3	082304-66-3	50
3	9-Acetylphenanthrene	220	C16H12O	002039-77-2	30
4	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	30
5	2H-1-Benzopyran, 6,7-dimethoxy-2...	220	C13H16O3	000644-06-4	30





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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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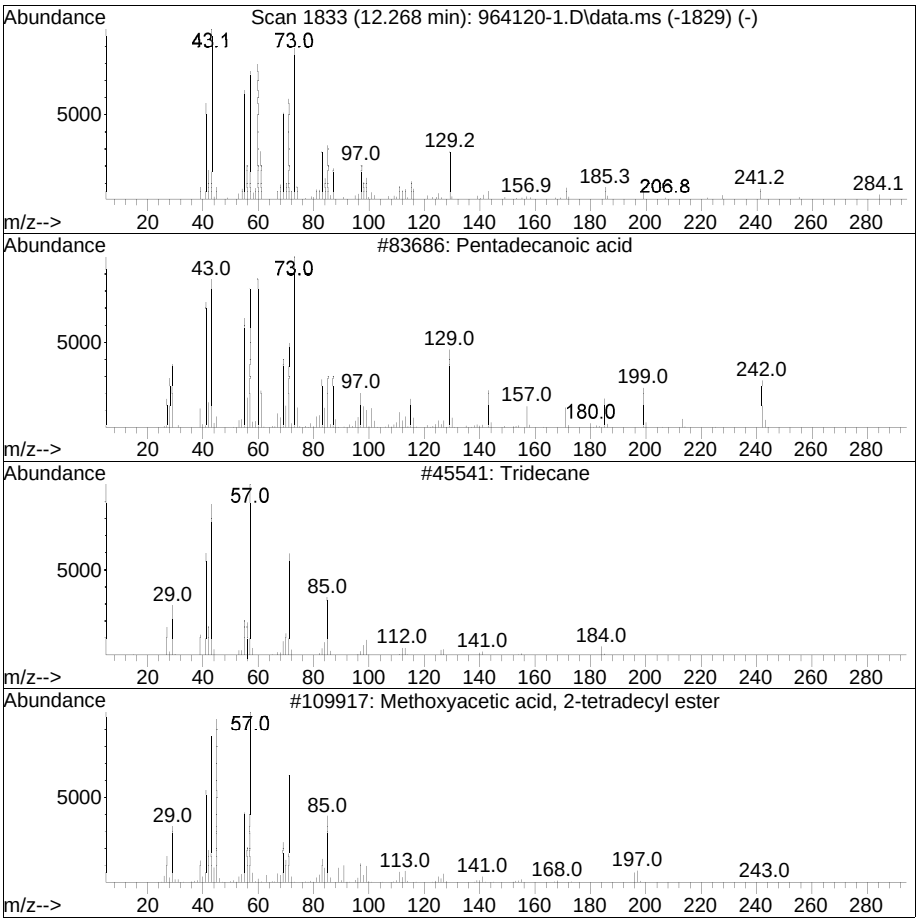
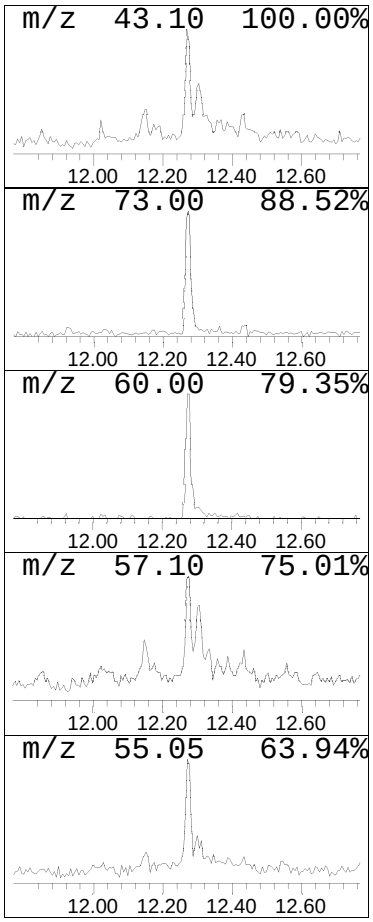
Peak Number 13 Unknown Organic Acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.269	0.78 ug/ml	99628	IS1_Chrysene-d12	13.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
2	Tridecane	184	C13H28	000629-50-5	18
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	18
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	18
5	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	14





Library Search Compound Report

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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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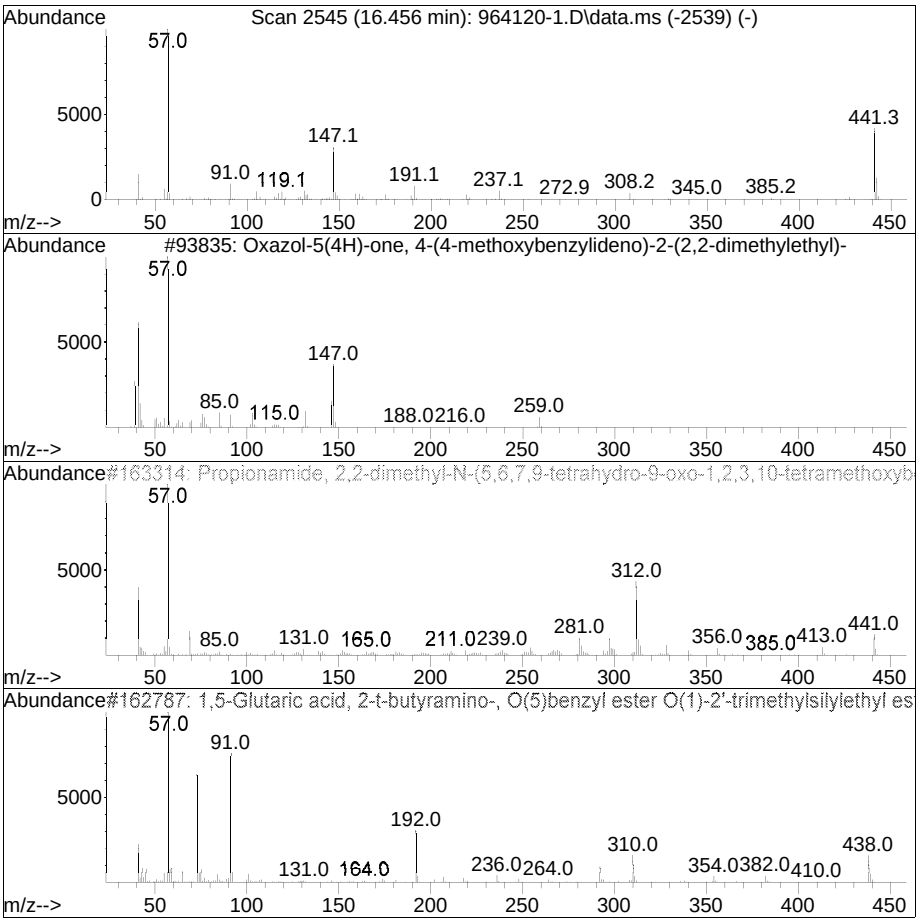
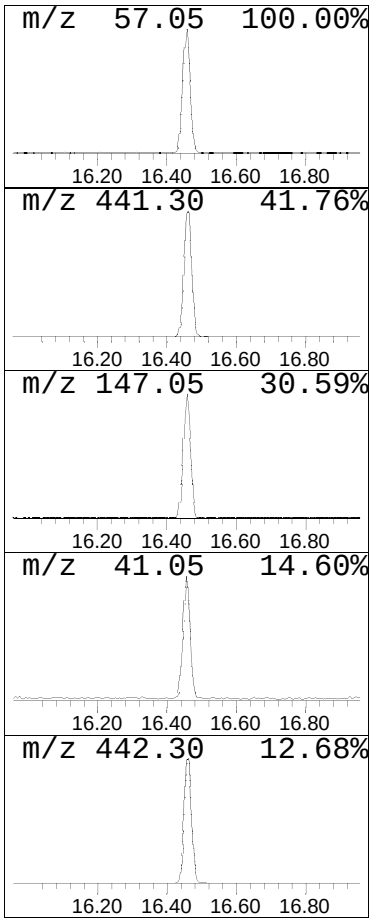
Peak Number 14 Unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.456	9.88 ug/ml	1379550	IS1_Perylene-d12	14.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxazol-5(4H)-one, 4-(4-methoxybe...	259	C15H17NO3	327991-10-6	9
2	Propionamide, 2,2-dimethyl-N-(5,...	441	C25H31NO6	086436-38-6	4
3	1,5-Glutaric acid, 2-t-butyramin...	437	C22H35NO6Si	1000116-21-4	2
4	1H-Pyrrole-1-carboxylic acid, 2-...	245	C9H12BrNO2	117657-37-1	2
5	Palladium, [(1,2-.eta.)-1,3-buta...	478	C22H46P2Pd	107730-80-3	1





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Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

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Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

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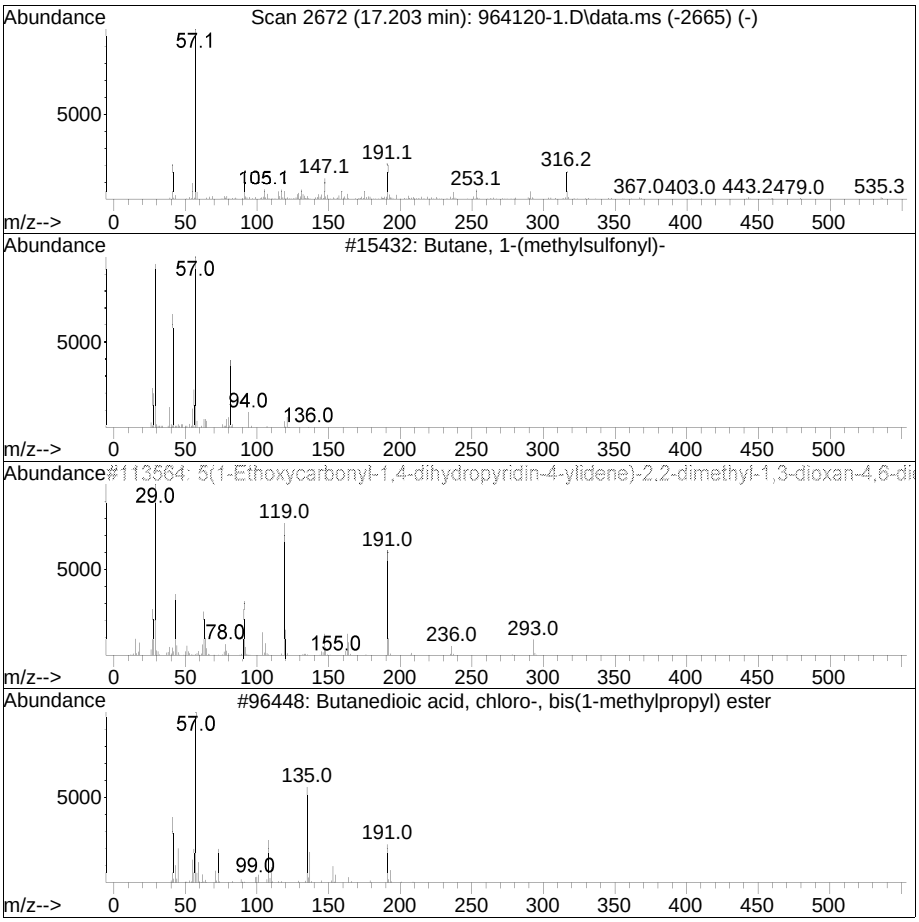
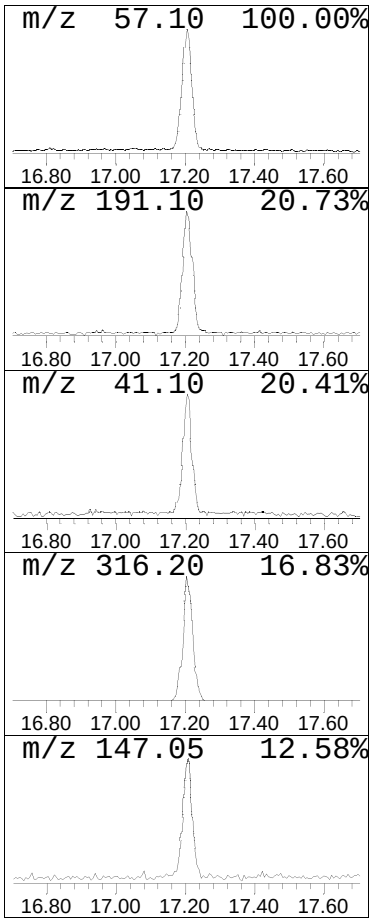
Peak Number 15 Unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.203	4.12 ug/ml	574855	IS1_Perylene-d12	14.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1-(methylsulfonyl)-	136	C5H12O2S	007560-59-0	4
2	5(1-Ethoxycarbonyl-1,4-dihydropy...	293	C14H15NO6	142131-81-5	4
3	Butanedioic acid, chloro-, bis(1...	264	C12H21ClO4	057983-51-4	4
4	Oxirane, (bromomethyl)-	136	C3H5BrO	003132-64-7	4
5	Azetidine	57	C3H7N	000503-29-7	4





Tentatively Identified Compound (LSC) summary

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Acq On : 27 Aug 2024 10:27 am
Operator : SV106:im
Sample : WG1964120-1,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 7 Sample Multiplier: 1

Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Unknown Alkane	2.957	0.4	ug/ml	27926	1	6.228	259146	4.0
Unknown	2.975	0.4	ug/ml	26518	1	6.228	259146	4.0
Unknown	5.010	0.7	ug/ml	46887	1	6.228	259146	4.0
Unknown	5.463	0.8	ug/ml	54949	1	6.228	259146	4.0
Unknown Alkane	6.669	0.5	ug/ml	35494	3	6.228	259146	4.0
Unknown	6.851	0.4	ug/ml	27040	3	6.228	259146	4.0
Unknown	7.045	0.6	ug/ml	45280	4	7.675	307619	4.0
Unknown Alkane	8.522	0.5	ug/ml	40114	5	7.675	307619	4.0
Unknown Alkane	9.645	0.7	ug/ml	71882	8	9.433	393912	4.0
Unknown Alkane	10.627	0.5	ug/ml	55586	9	10.869	419742	4.0
Unknown	11.327	1.0	ug/ml	105559	11	10.869	419742	4.0
Unknown Organic...	12.269	0.8	ug/ml	99628	12	13.480	509941	4.0
Unknown	16.456	9.9	ug/ml	1379550	13	14.933	558740	4.0
Unknown	17.203	4.1	ug/ml	574855	13	14.933	558740	4.0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-2.D
Acq On : 25 Aug 2024 11:51 pm
Operator : Dakota:mrg
Sample : WG1963467-2,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 14:26:19 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.096	152	21267	4.000	ug/ml		0.00
Standard Area 1 = 18365			Recovery = 115.80%				
27) IS2_1,4-Dichlorobenzen...	4.096	152	21267	4.000	ug/ml		0.00
Standard Area 3 = 20040			Recovery = 106.12%				
32) IS3_1,4-Dichlorobenzen...	4.096	152	21267	4.000	ug/ml		0.00
Standard Area 2 = 22466			Recovery = 94.66%				
35) IS1_Naphthalene-d8	5.336	136	75913	4.000	ug/ml		0.00
Standard Area 1 = 70878			Recovery = 107.10%				
55) IS2_Naphthalene-d8	5.336	136	75913	4.000	ug/ml		0.00
Standard Area 3 = 76372			Recovery = 99.40%				
63) IS1_Acenaphthene-d10	7.023	164	52746	4.000	ug/ml		0.00
Standard Area 1 = 50962			Recovery = 103.50%				
83) IS2_Acenaphthene-d10	7.023	164	52746	4.000	ug/ml		0.00
Standard Area 3 = 52785			Recovery = 99.93%				
86) IS3_Acenaphthene-d10	7.023	164	52746	4.000	ug/ml		0.00
Standard Area 2 = 54458			Recovery = 96.86%				
88) IS1_Phenanthrene-d10	8.428	188	119066	4.000	ug/ml	#	0.00
Standard Area 1 = 124226			Recovery = 95.85%				
100) IS3_Phenanthrene-d10	8.428	188	119066	4.000	ug/ml	#	0.00
Standard Area 2 = 124030			Recovery = 96.00%				
104) IS1_Chrysene-d12	10.977	240	145978	4.000	ug/ml	#	0.00
Standard Area 1 = 140160			Recovery = 104.15%				
113) IS1_Perylene-d12	12.376	264	181624	4.000	ug/ml		0.00
Standard Area 1 = 176971			Recovery = 102.63%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.787	112	6004	1.099	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.95%				
7) Phenol-d6	3.803	99	5301	0.769	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.45%				
19) Nitrobenzene-d5	4.649	82	4894	0.680	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.00%				
46) 2-Fluorobiphenyl	6.411	172	14079	0.740	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.00%				
79) 2,4,6-Tribromophenol	7.776	330	6643	1.927	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 96.35%				

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-2.D
Acq On : 25 Aug 2024 11:51 pm
Operator : Dakota:mrg
Sample : WG1963467-2,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 14:26:19 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.998	244	27477	0.887	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 88.70%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.890	128	8844	1.446	ug/ml#	79
8) Phenol	3.816	94	5490	0.683	ug/ml	95
9) Bis(2-chloroethyl)ether	3.881	93	6395	1.213	ug/ml#	84
14) Bis(2-chloroisopropyl)...	4.419	45	5759	0.733	ug/ml#	1
15) 2-Methylphenol	4.416	108	7615	1.379	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.546	70	5725	1.181	ug/ml#	90
18) 3-Methylphenol/4-Methy...	4.574	108	7188	1.234	ug/ml	94
20) Nitrobenzene	4.667	77	8058	1.168	ug/ml#	86
21) Isophorone	4.919	82	15222	1.258	ug/ml#	96
22) 2-Nitrophenol	4.984	139	5570	1.627	ug/ml#	78
23) 2,4-Dimethylphenol	5.084	107	5768	0.989	ug/ml	93
24) Bis(2-chloroethoxy)met...	5.168	93	9060	1.218	ug/ml#	95
25) 2,4-Dichlorophenol	5.227	162	10481	1.593	ug/ml#	87
28) Benzaldehyde	3.660	105	5917	1.074	ug/ml	95
29) Acetophenone	4.515	105	12705	1.349	ug/ml#	72
38) 4-Chloroaniline	5.444	65	3077	1.277	ug/ml#	78
40) p-Chloro-m-cresol	5.951	107	8039	1.456	ug/ml#	76
43) Hexachlorocyclopentadiene	6.209	237	3381	0.614	ug/ml#	92
44) 2,4,6-Trichlorophenol	6.330	196	8798	1.566	ug/ml	96
45) 2,4,5-Trichlorophenol	6.358	196	10253	1.707	ug/ml	100
48) 2-Nitroaniline	6.613	138	7750	1.845	ug/ml#	65
51) Dimethyl phthalate	6.828	163	30062	1.534	ug/ml#	97
53) 2,6-Dinitrotoluene	6.862	165	6068	1.569	ug/ml#	78
60) Caprolactam	5.758	55	732M6	0.288	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.206	216	10231	1.079	ug/ml	95
62) Biphenyl	6.498	154	25736	1.269	ug/ml	95
64) 3-Nitroaniline	7.008	138	6471	1.653	ug/ml#	80
66) 2,4-Dinitrophenol	7.110	184	3878	1.592	ug/ml#	75
67) Dibenzofuran	7.219	168	34470	1.374	ug/ml	95
68) 2,4-Dinitrotoluene	7.241	165	8955	1.680	ug/ml#	66
69) 4-Nitrophenol	7.216	65	2733	0.834	ug/ml#	1
71) 2,3,4,6-Tetrachlorophenol	7.359	232	9212	1.743	ug/ml	98
72) Diethyl phthalate	7.511	149	29869	1.468	ug/ml	98

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-2.D
Acq On : 25 Aug 2024 11:51 pm
Operator : Dakota:mrg
Sample : WG1963467-2,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 14:26:19 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	7.577	204	14079	1.447	ug/ml#	80
75)	4-Nitroaniline	7.586	138	6718	1.743	ug/ml#	65
76)	4,6-Dinitro-o-cresol	7.626	198	6434	1.914	ug/ml#	47
77)	NDPA/DPA	7.695	169	25770	1.572	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.040	248	9812	1.516	ug/ml#	75
87)	Atrazine	8.239	200	9116	1.536	ug/ml#	88
91)	Carbazole	8.674	167	51102	1.738	ug/ml	99
92)	Di-n-butylphthalate	9.090	149	53779	1.593	ug/ml#	97
97)	Butyl benzyl phthalate	10.514	149	25220	1.662	ug/ml#	78
106)	3,3'-Dichlorobenzidine	10.983	252	29964	1.659	ug/ml#	93
108)	Bis(2-ethylhexyl)phtha...	11.138	149	40907	1.494	ug/ml	93
109)	Di-n-octylphthalate	11.791	149	70049	1.534	ug/ml#	67

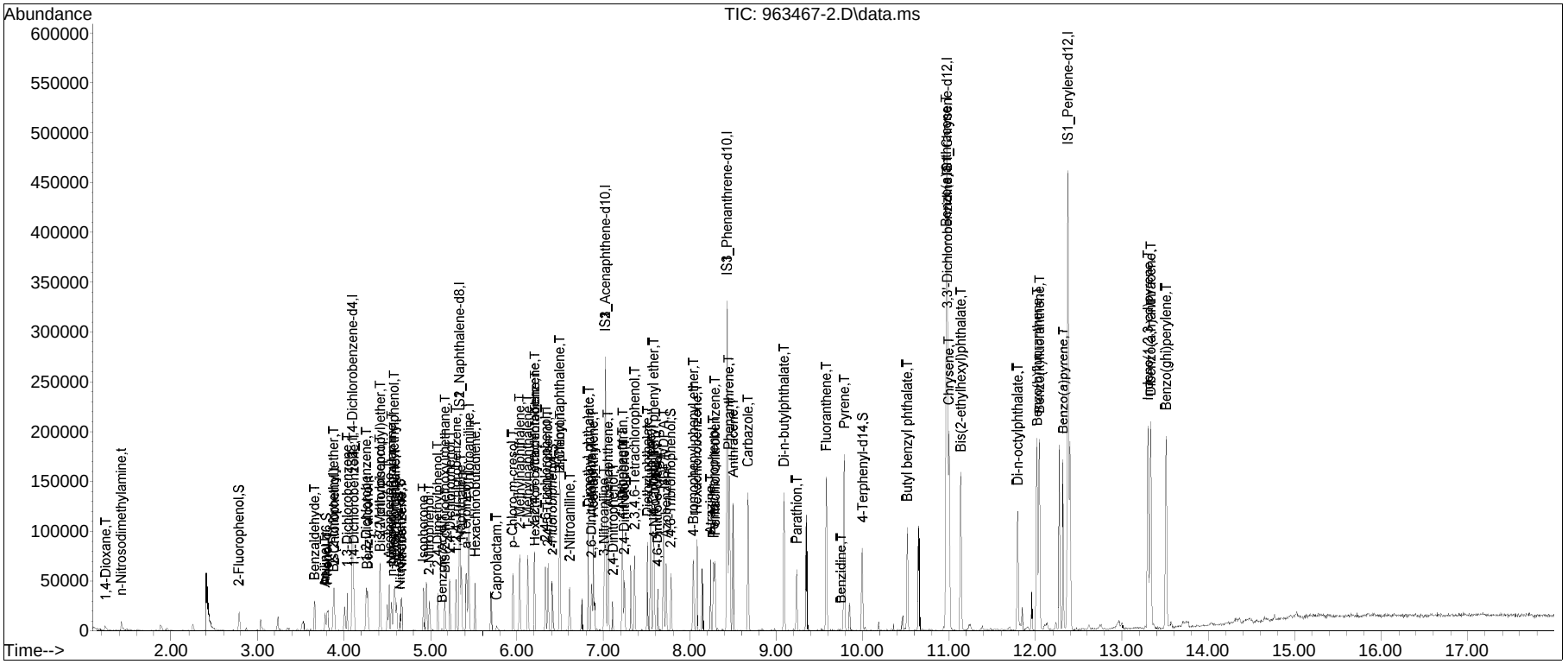
(#) = qualifier out of range (m) = manual integration (+) = signals summed

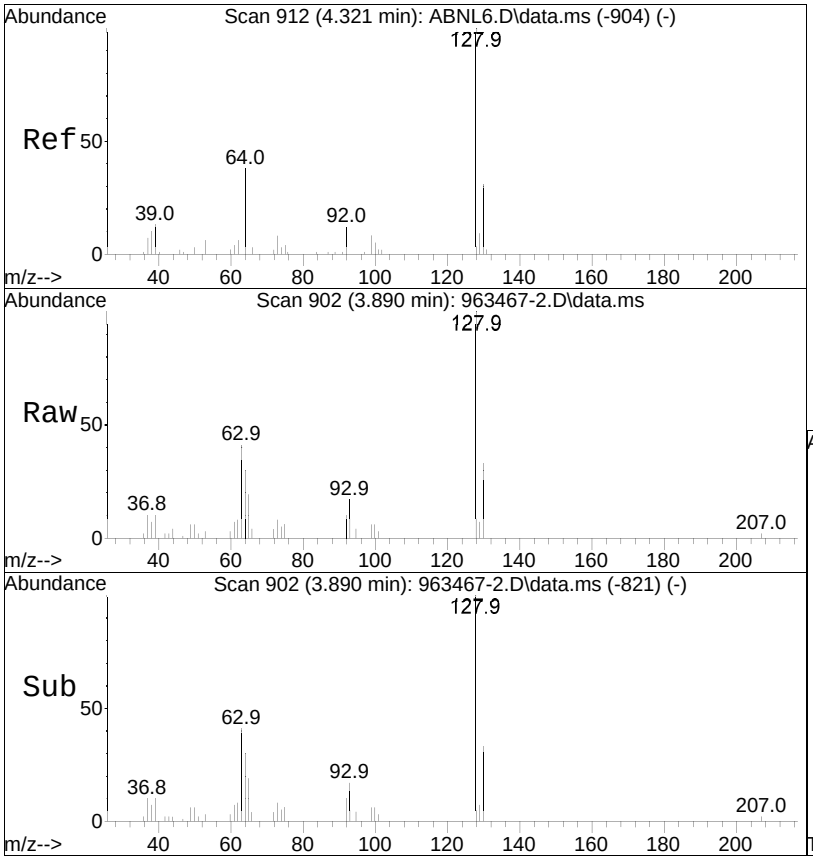
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-2.D
Acq On : 25 Aug 2024 11:51 pm
Operator : Dakota:mrg
Sample : WG1963467-2,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 14:26:19 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5aRVT\AP90825a.D•

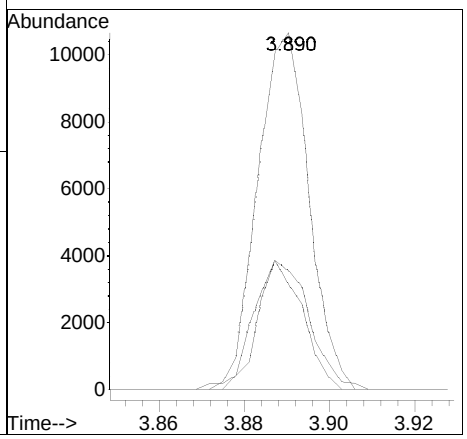


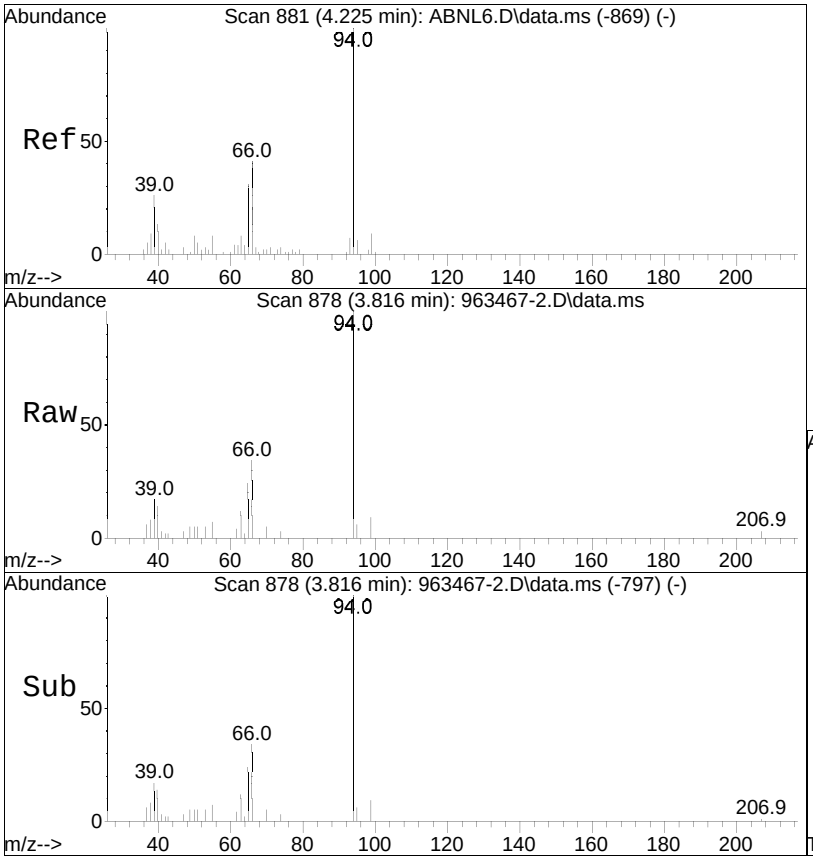


#6
2-Chlorophenol
Concen: 1.45 ug/ml
RT: 3.890 min Scan# 902
Delta R.T. 0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:128 Resp: 8844

Ion	Ratio	Lower	Upper
128	100		
64	35.0	45.1	67.7#
130	36.2	26.2	39.4

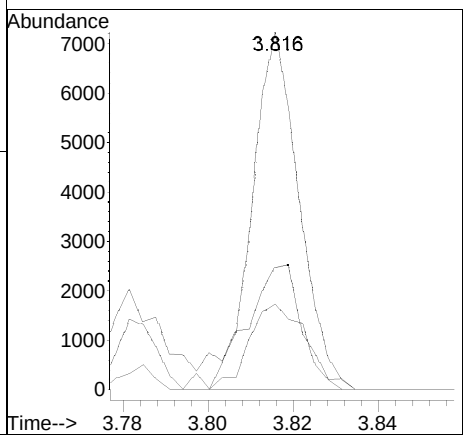


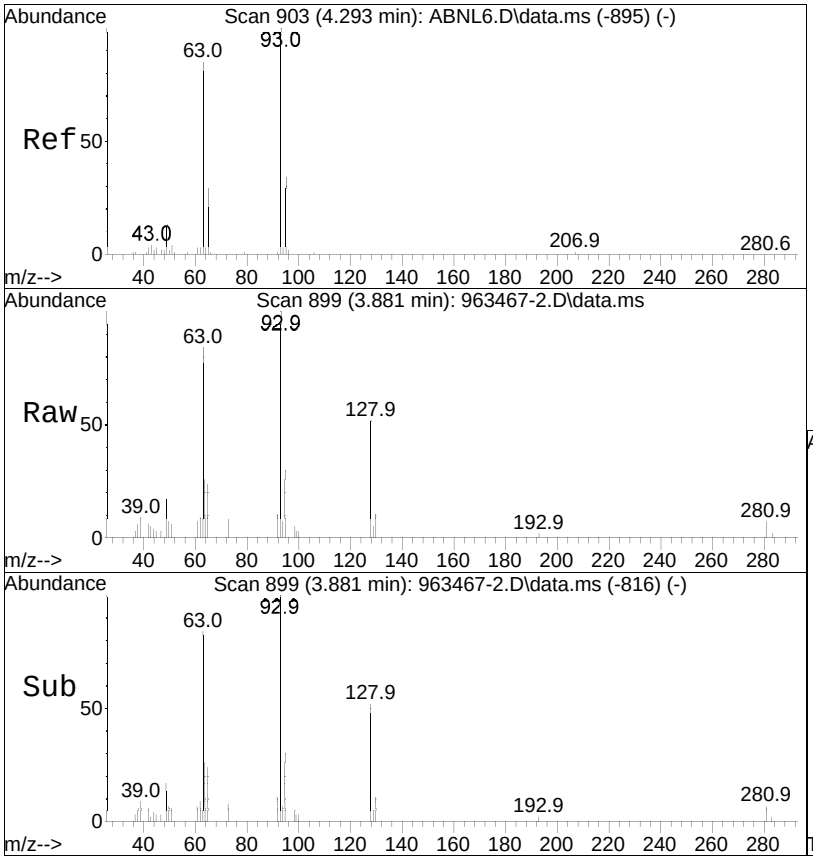


#8
Phenol
Concen: 0.68 ug/ml
RT: 3.816 min Scan# 878
Delta R.T. 0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 94 Resp: 5490

Ion	Ratio	Lower	Upper
94	100		
65	28.1	26.0	39.0
66	44.4	33.8	50.8

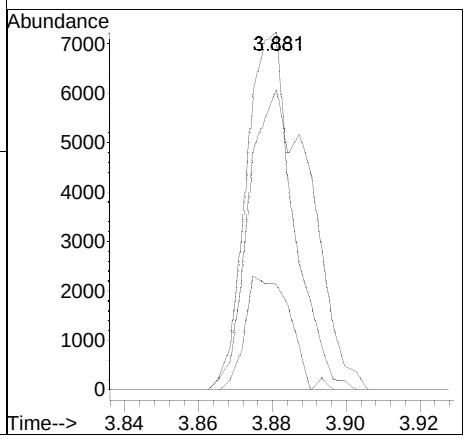


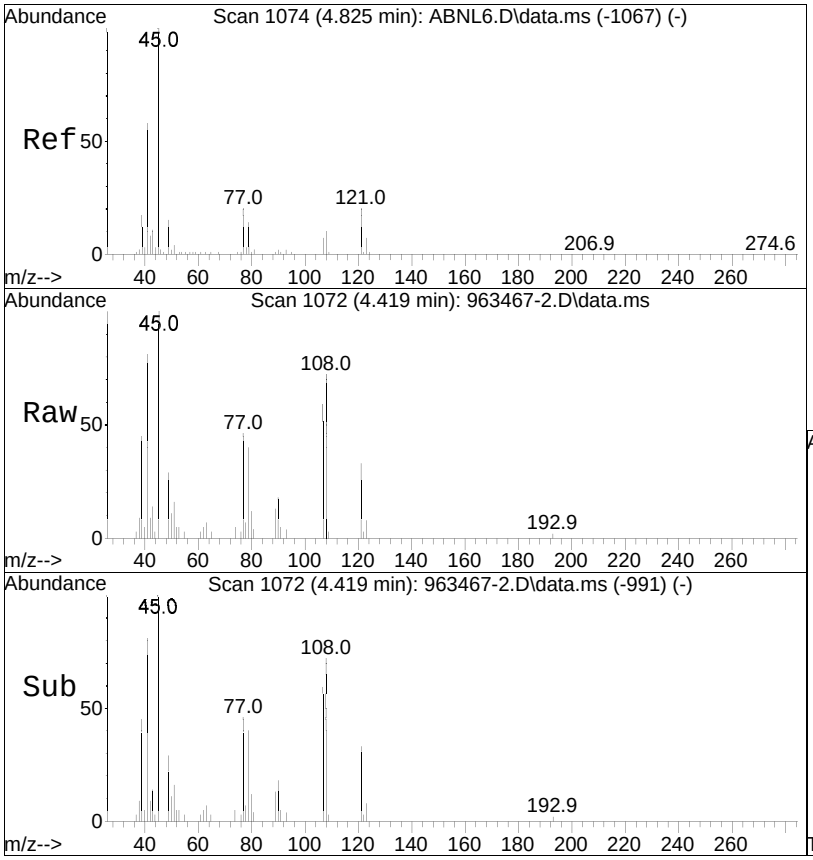


#9
Bis(2-chloroethyl)ether
Concen: 1.21 ug/ml
RT: 3.881 min Scan# 899
Delta R.T. 0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 93 Resp: 6395

Ion	Ratio	Lower	Upper
93	100		
63	112.3	74.6	111.8#
95	30.5	25.9	38.9

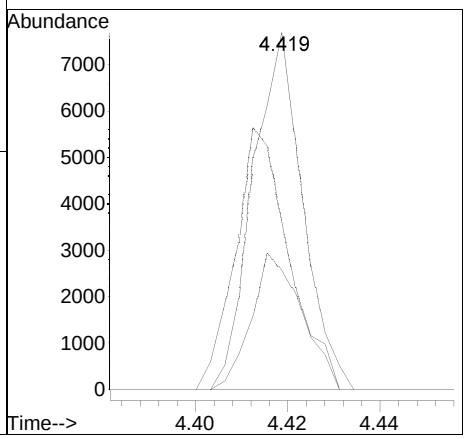


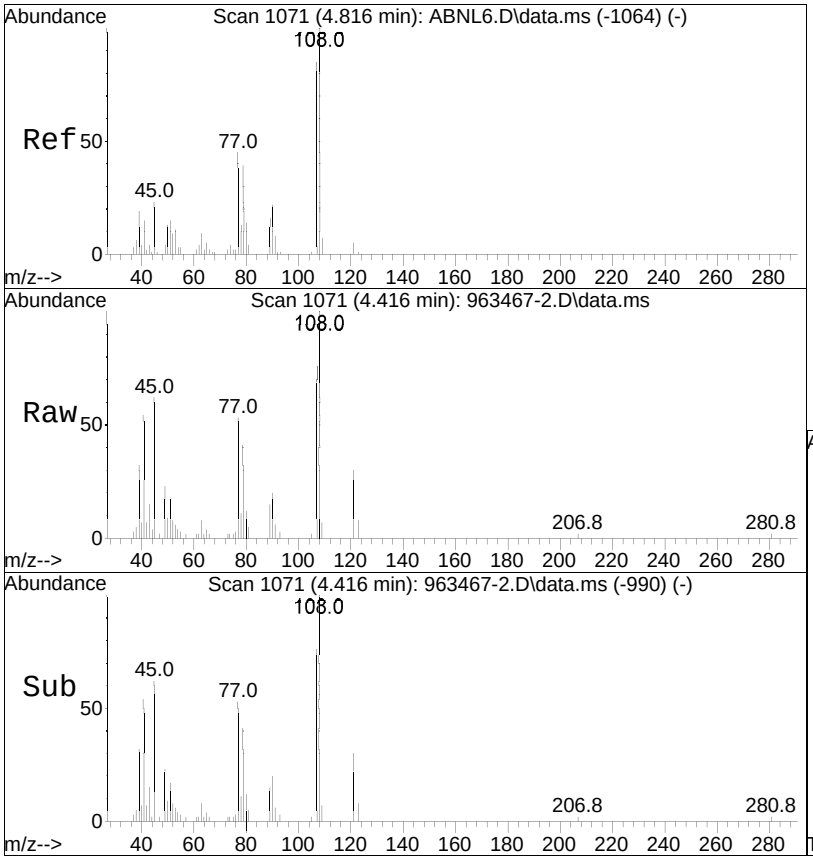


#14
Bis(2-chloroisopropyl)ether
Concen: 0.73 ug/ml
RT: 4.419 min Scan# 1072
Delta R.T. 0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 45 Resp: 5759

Ion	Ratio	Lower	Upper
45	100		
121	38.7	9.8	14.6#
77	78.7	6.1	9.1#

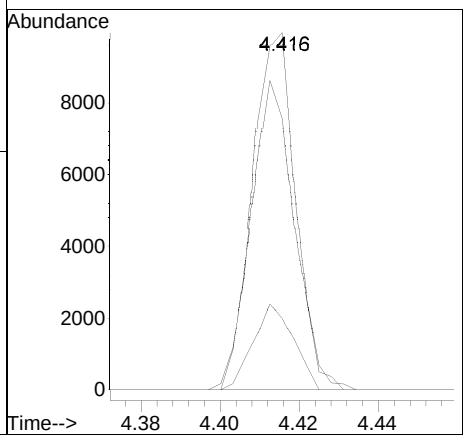


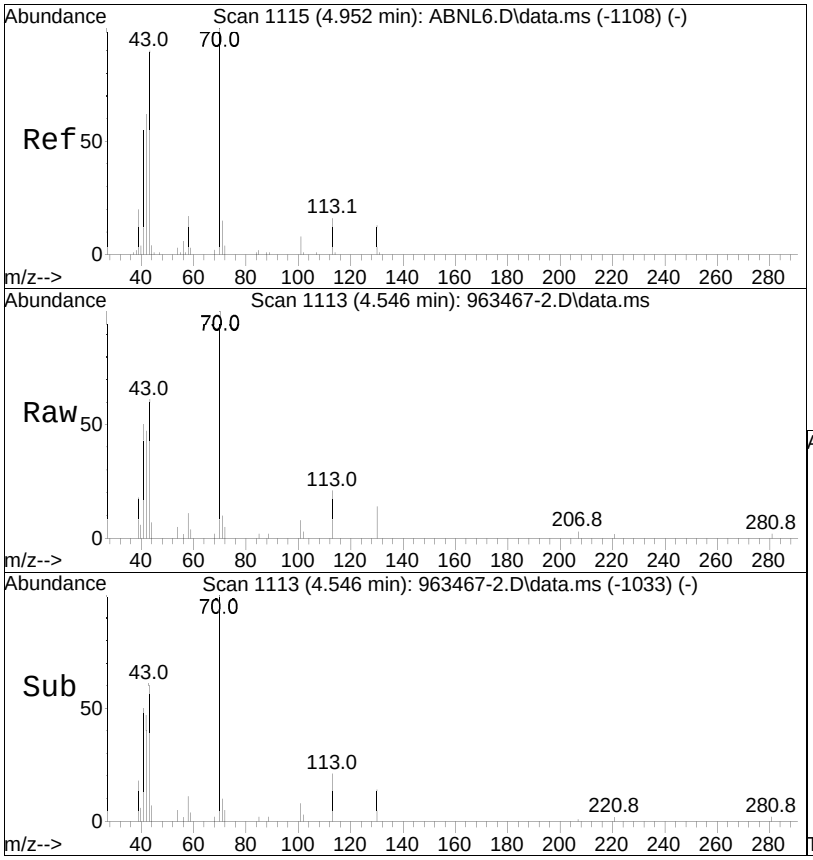


#15
2-Methylphenol
Concen: 1.38 ug/ml
RT: 4.416 min Scan# 1071
Delta R.T. 0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:108 Resp: 7615

Ion	Ratio	Lower	Upper
108	100		
107	85.8	70.7	106.1
90	22.2	18.7	28.1

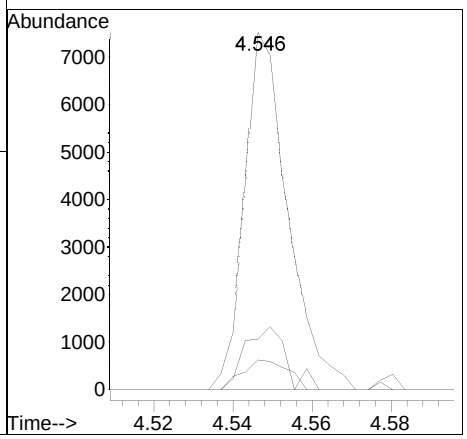


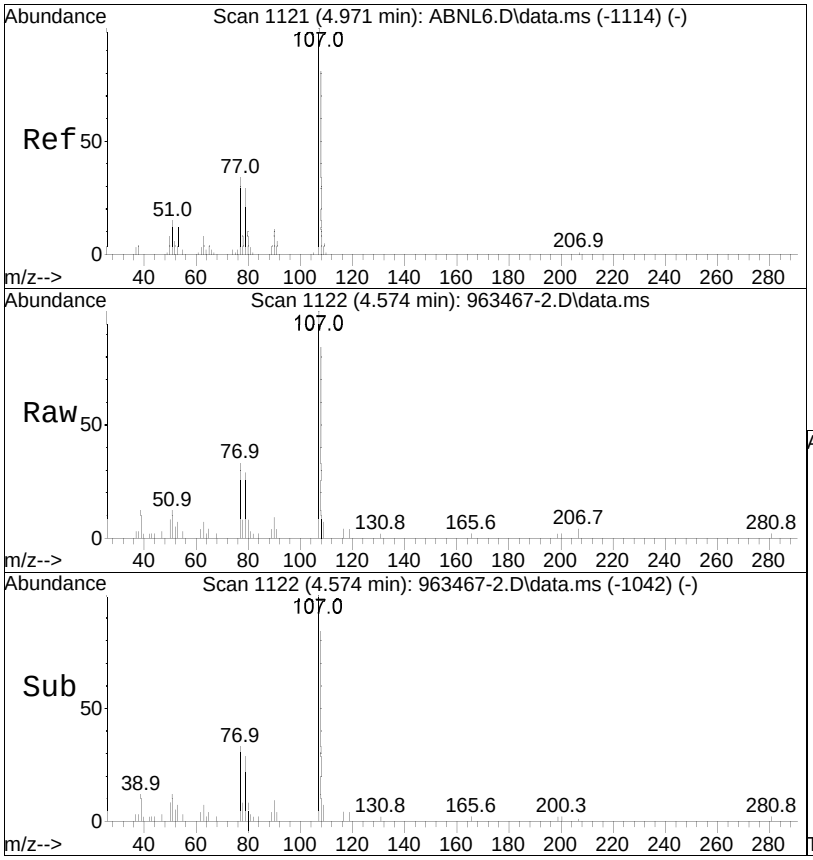


#17
n-Nitrosodi-n-propylamine
Concen: 1.18 ug/ml
RT: 4.546 min Scan# 1113
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 70 Resp: 5725

Ion	Ratio	Lower	Upper
70	100		
130	16.6	18.2	27.4#
101	8.7	7.8	11.8

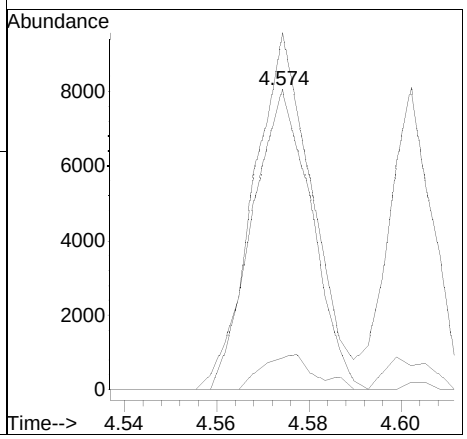


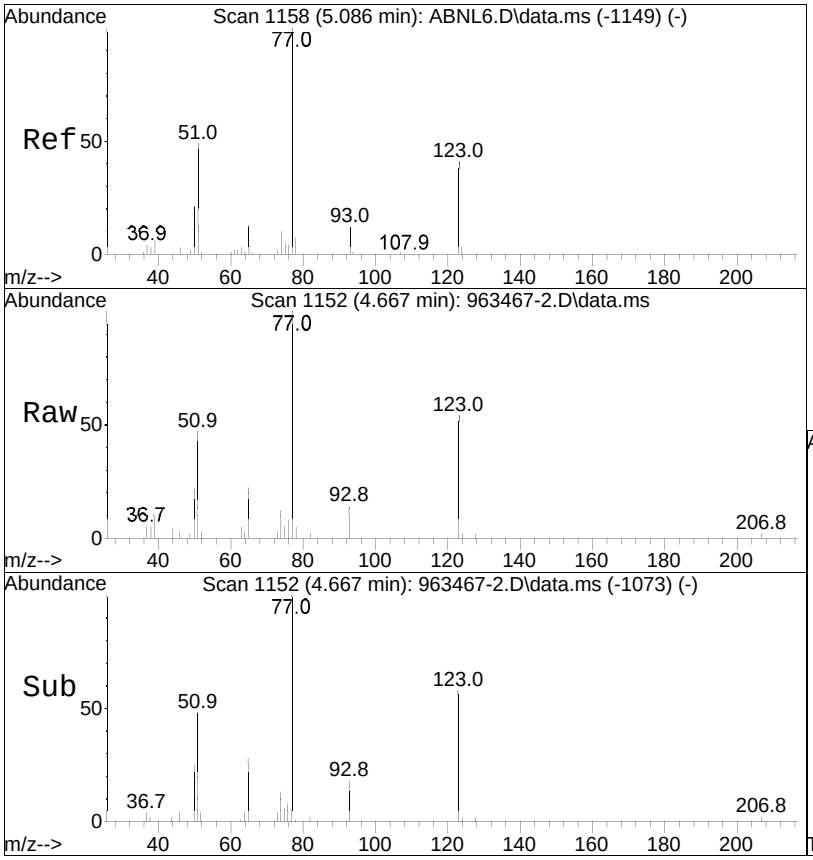


#18
3-Methylphenol/4-Methylphenol
Concen: 1.23 ug/ml
RT: 4.574 min Scan# 1122
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:108 Resp: 7188

Ion	Ratio	Lower	Upper
108	100		
107	117.8	88.6	132.8
90	10.4	8.8	13.2

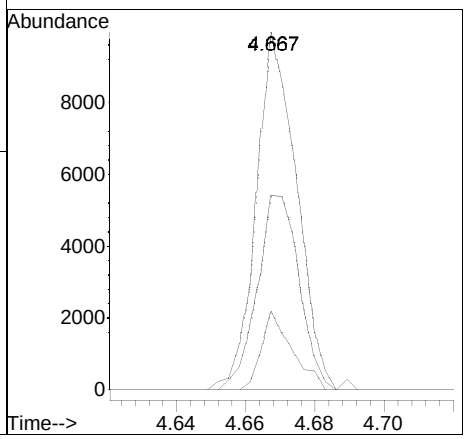


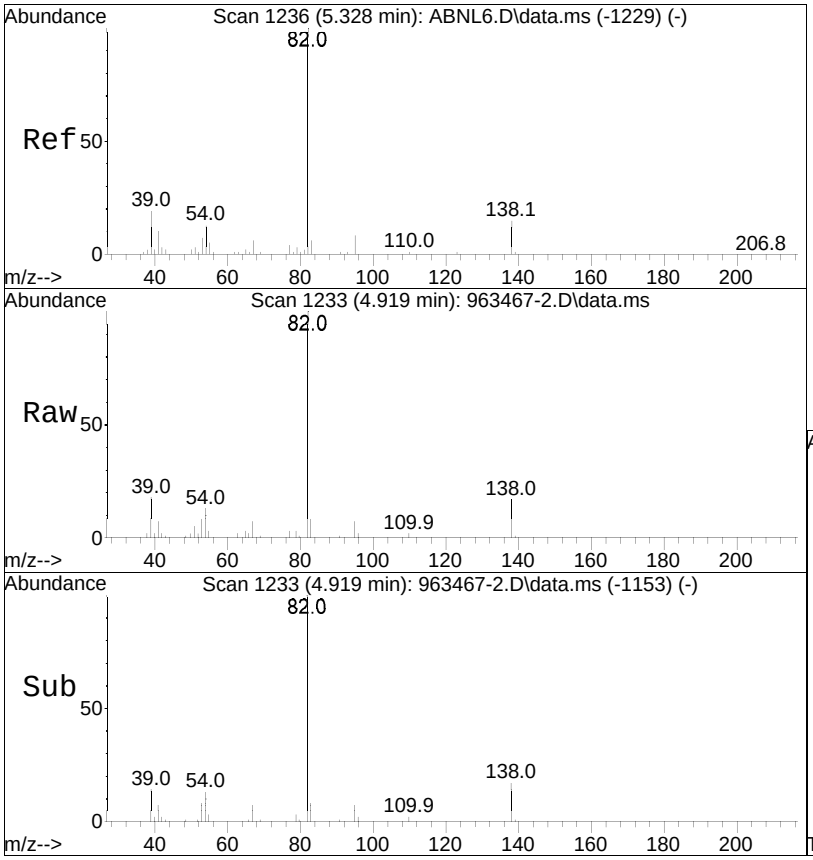


#20
Nitrobenzene
Concen: 1.17 ug/ml
RT: 4.667 min Scan# 1152
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 77 Resp: 8058

Ion	Ratio	Lower	Upper
77	100		
123	56.2	36.3	54.5#
65	16.8	11.6	17.4

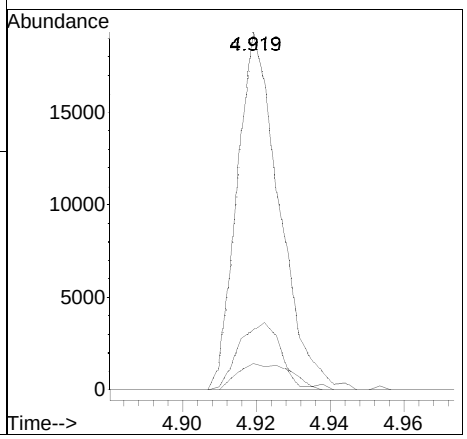


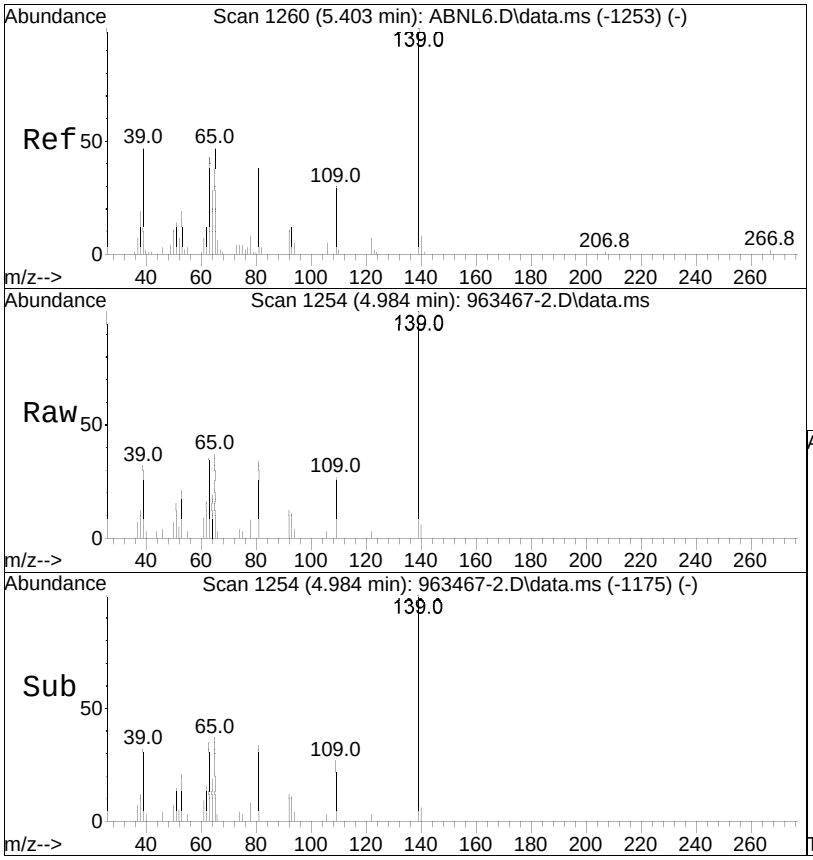


#21
Isophorone
Concen: 1.26 ug/ml
RT: 4.919 min Scan# 1233
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 82 Resp: 15222

Ion	Ratio	Lower	Upper
82	100		
138	19.4	14.7	22.1
95	9.0	5.2	7.8#

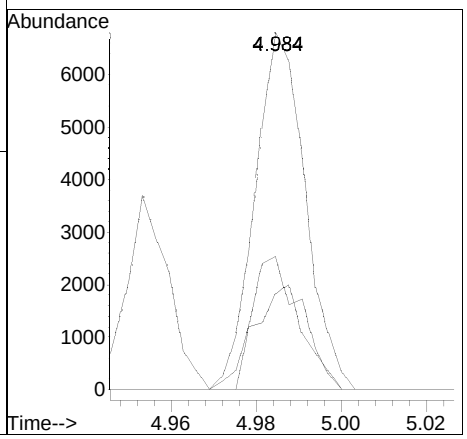


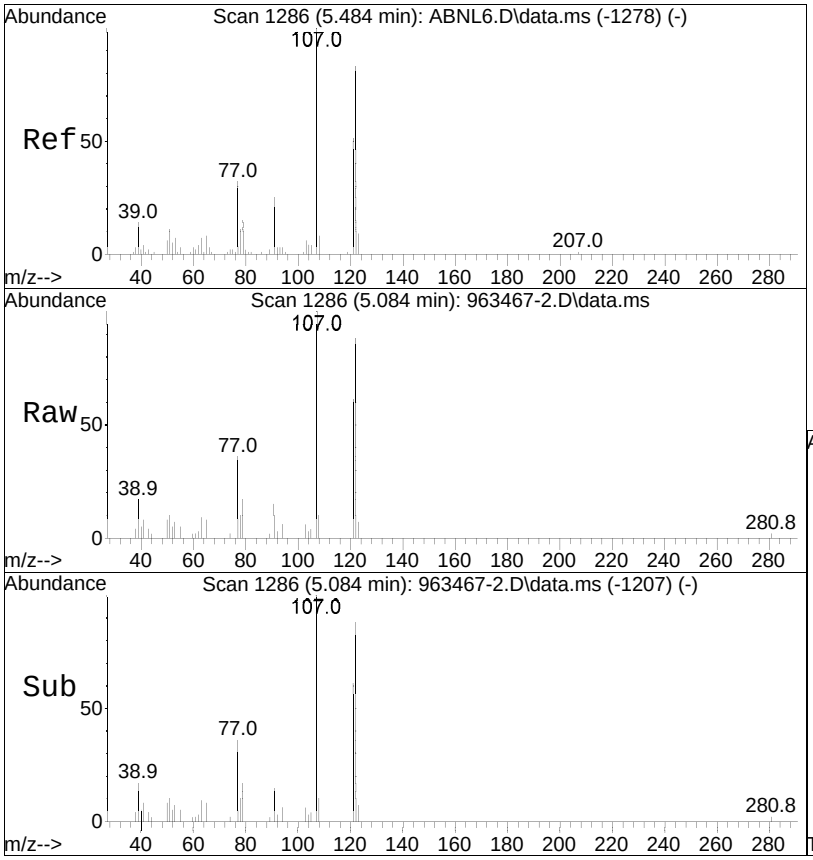


#22
2-Nitrophenol
Concen: 1.63 ug/ml
RT: 4.984 min Scan# 1254
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:139 Resp: 5570

Ion	Ratio	Lower	Upper
139	100		
109	28.3	19.4	29.0
65	37.2	46.1	69.1#

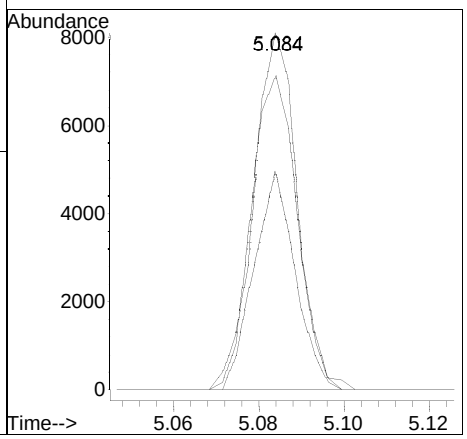


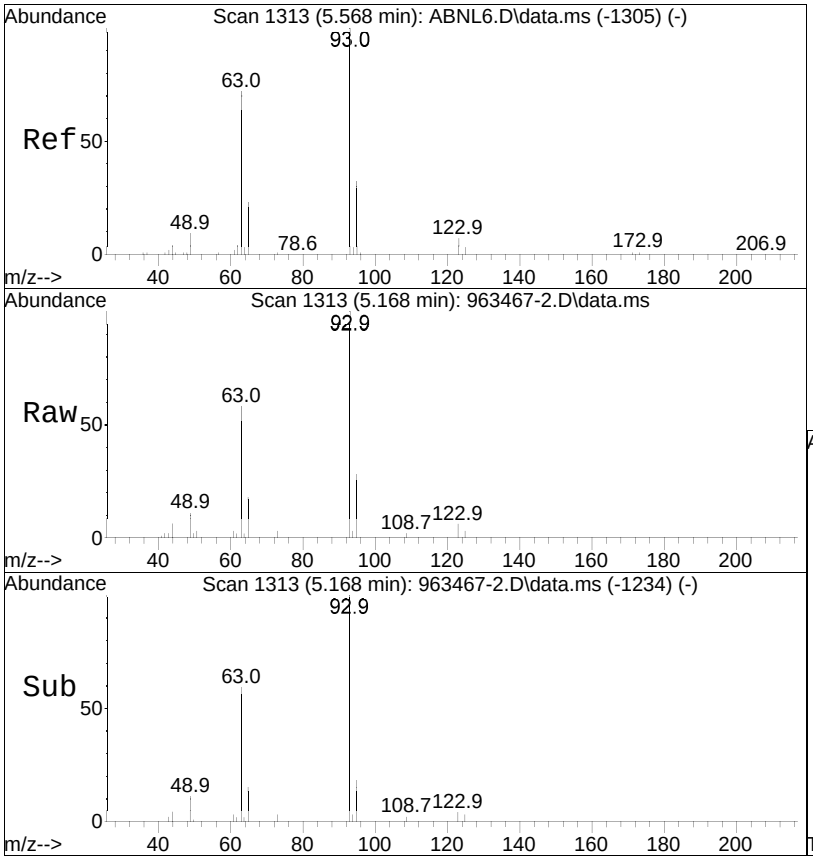


#23
2,4-Dimethylphenol
Concen: 0.99 ug/ml
RT: 5.084 min Scan# 1286
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:107 Resp: 5768

Ion	Ratio	Lower	Upper
107	100		
121	57.8	40.0	60.0
122	91.9	70.2	105.4

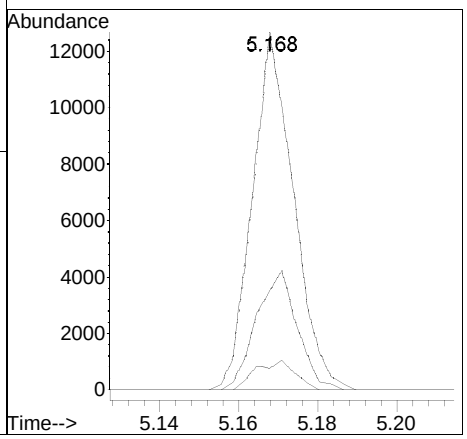


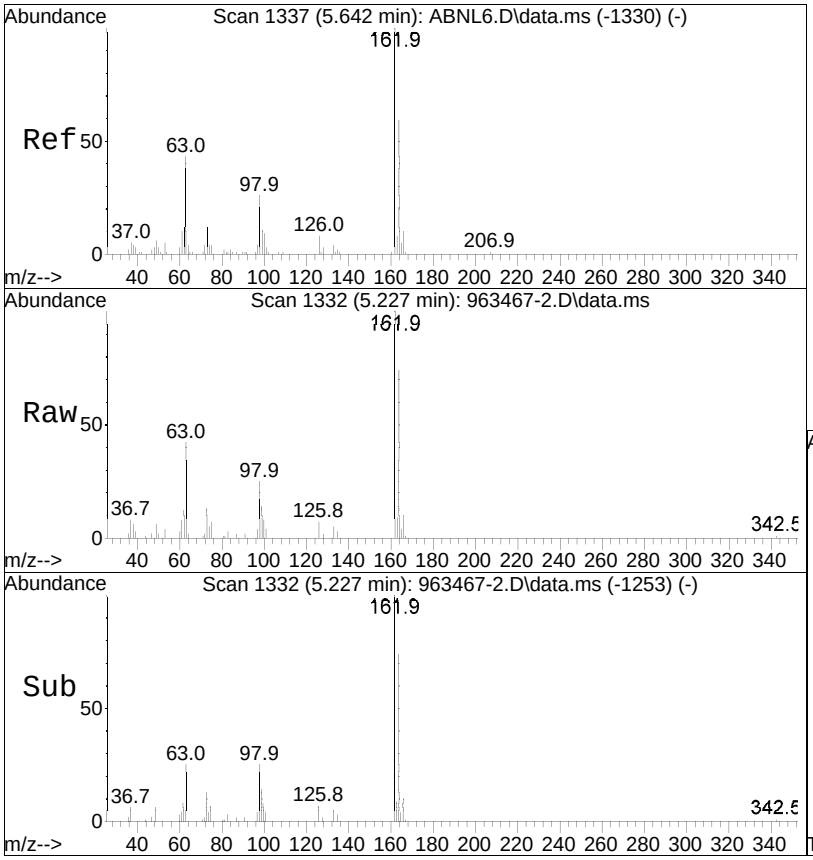


#24
Bis(2-chloroethoxy)methane
Concen: 1.22 ug/ml
RT: 5.168 min Scan# 1313
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 93 Resp: 9060

Ion	Ratio	Lower	Upper
93	100		
95	33.3	25.8	38.8
123	7.9	10.1	15.1#

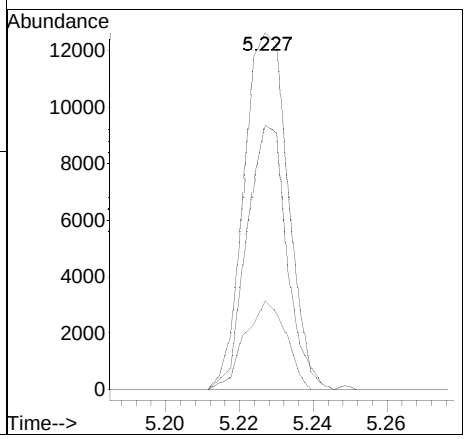


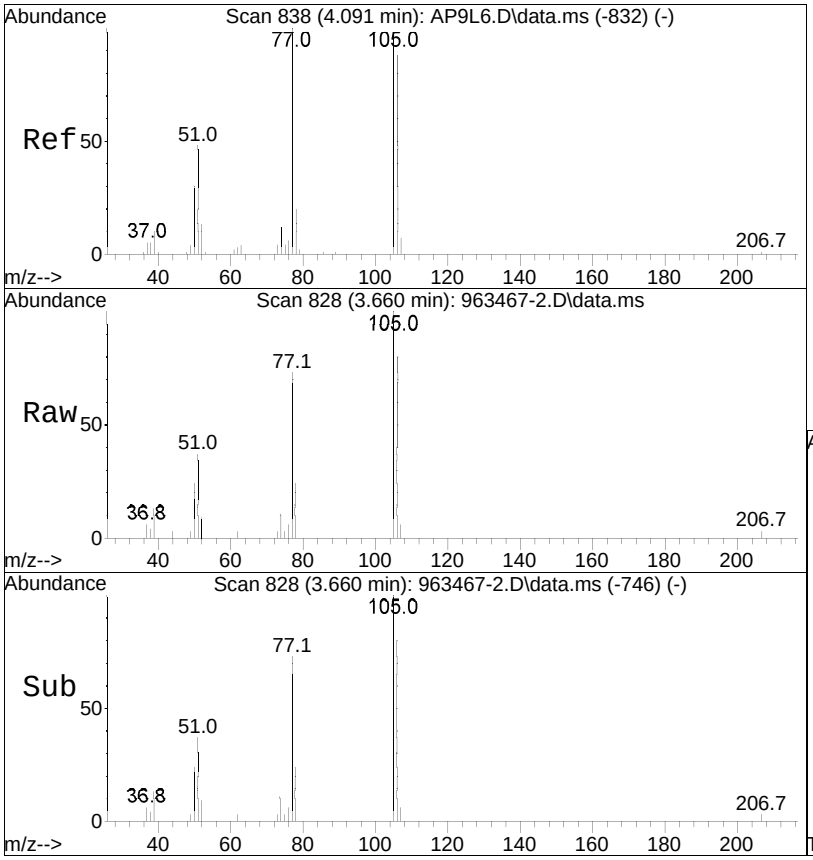


#25
2,4-Dichlorophenol
Concen: 1.59 ug/ml
RT: 5.227 min Scan# 1332
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:162 Resp: 10481

Ion	Ratio	Lower	Upper
162	100		
164	67.4	51.0	76.4
98	23.3	32.2	48.2#

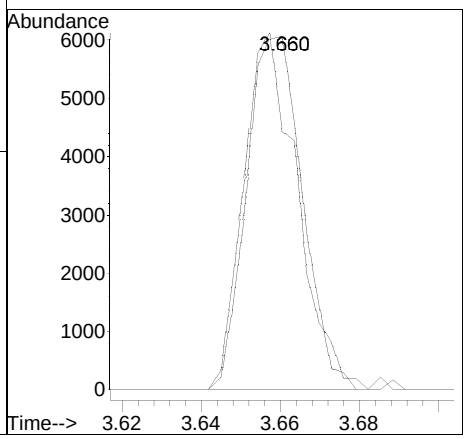


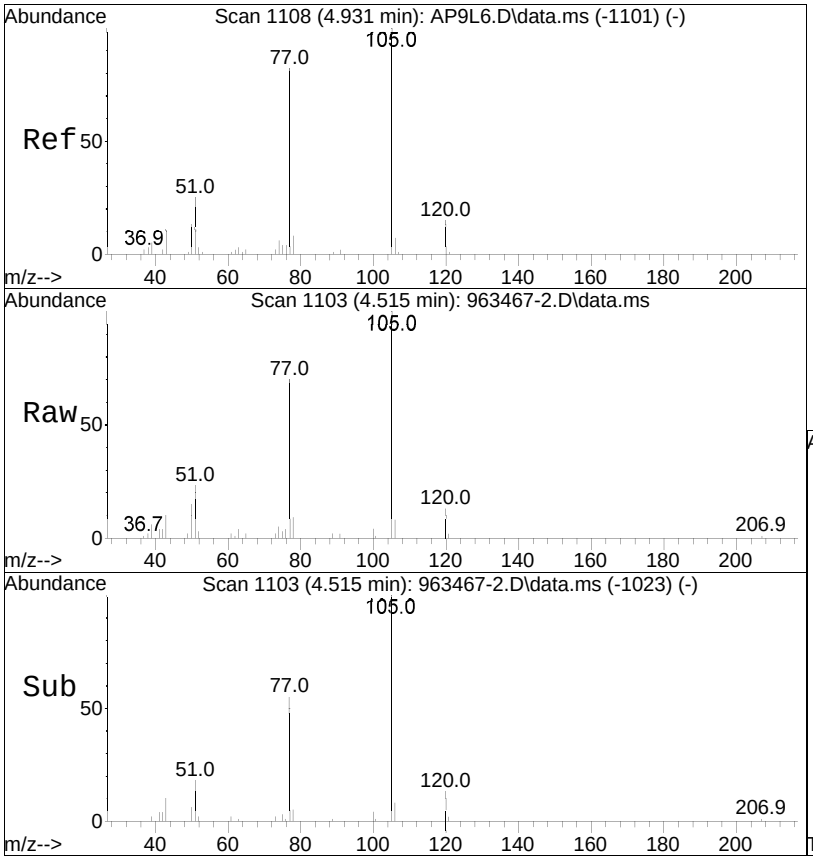


#28
Benzaldehyde
Concen: 1.07 ug/ml
RT: 3.660 min Scan# 828
Delta R.T. 0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:105 Resp: 5917

Ion	Ratio	Lower	Upper
105	100		
77	97.3	82.2	123.4

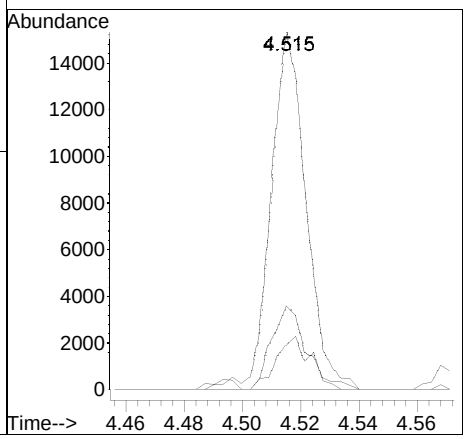


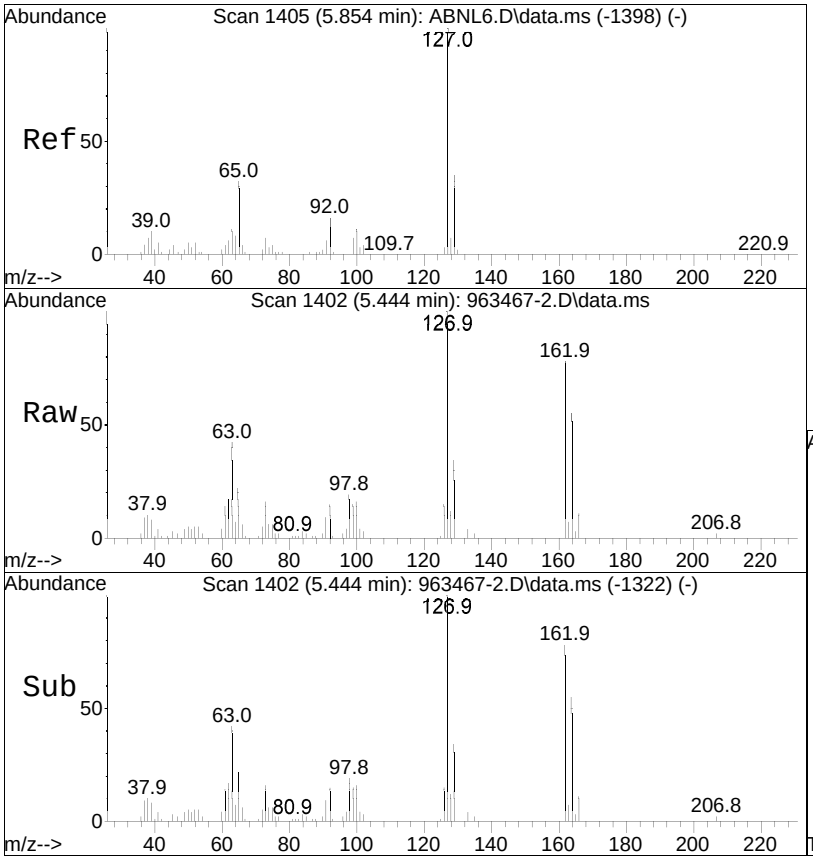


#29
Acetophenone
Concen: 1.35 ug/ml
RT: 4.515 min Scan# 1103
Delta R.T. -0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:105 Resp: 12705

Ion	Ratio	Lower	Upper
105	100		
120	14.6	20.5	30.7#
51	23.4	34.9	52.3#

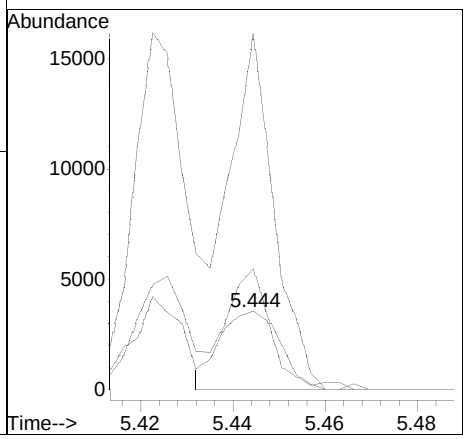


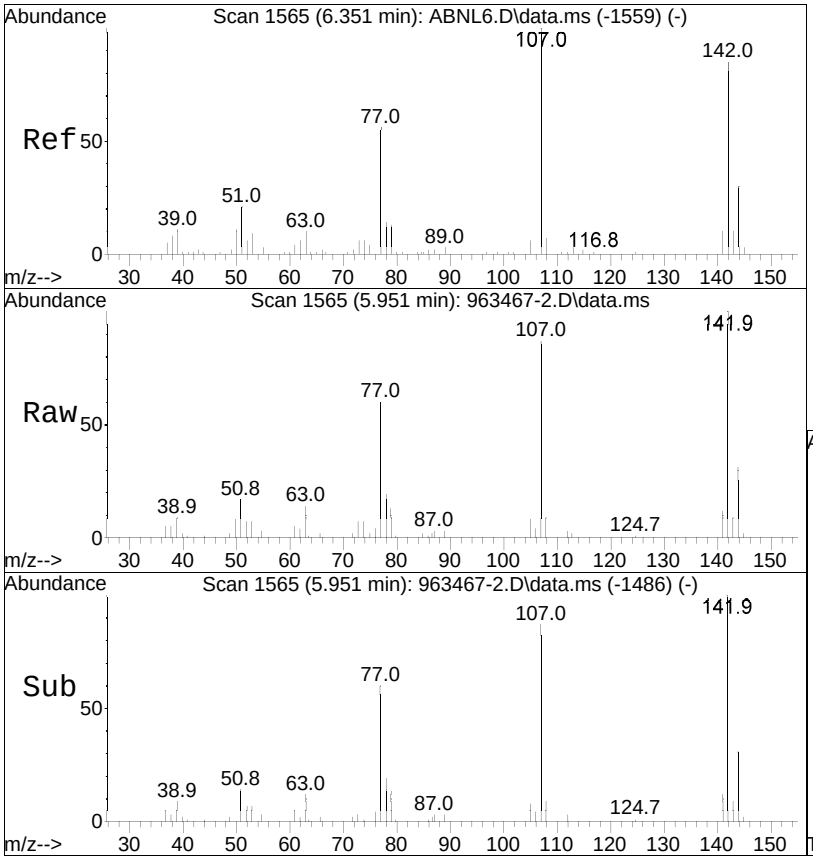


#38
4-Chloroaniline
Concen: 1.28 ug/ml
RT: 5.444 min Scan# 1402
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 65 Resp: 3077

Ion	Ratio	Lower	Upper
65	100		
127	340.3	237.6	356.4
129	117.5	76.3	114.5#

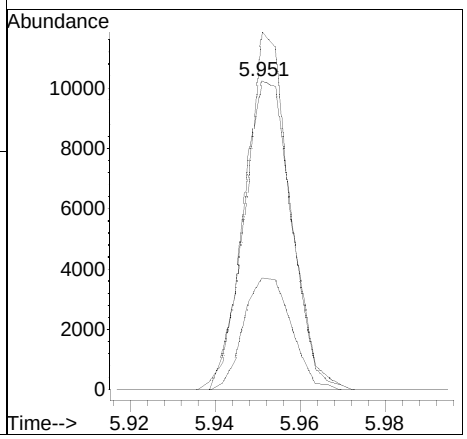


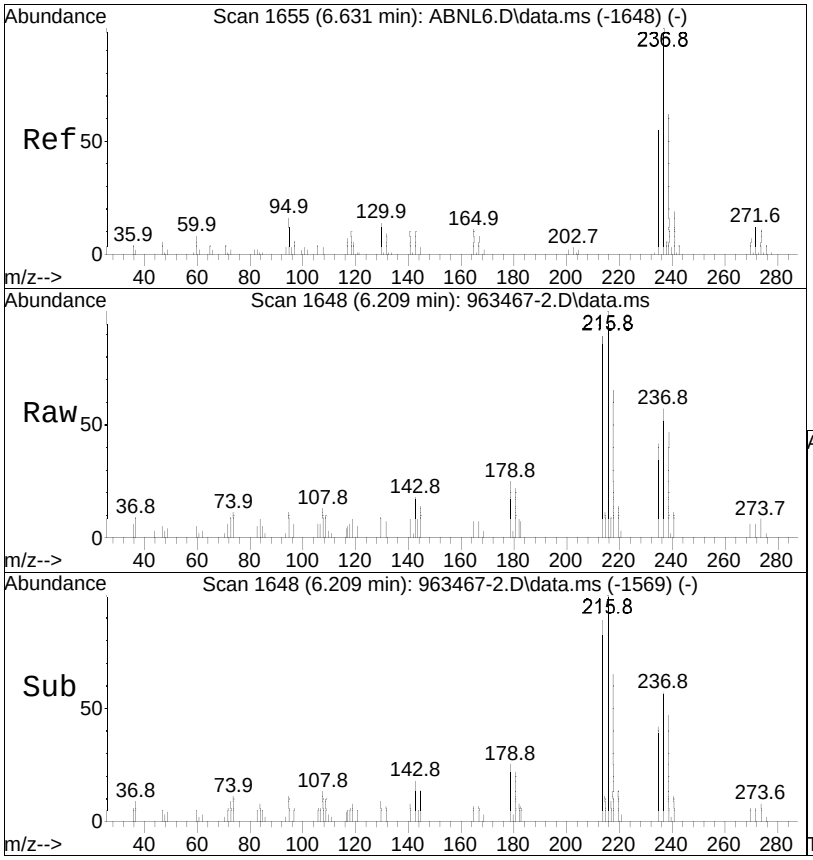


#40
p-Chloro-m-cresol
Concen: 1.46 ug/ml
RT: 5.951 min Scan# 1565
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:107 Resp: 8039

Ion	Ratio	Lower	Upper
107	100		
144	35.9	20.9	31.3#
142	105.3	66.1	99.1#

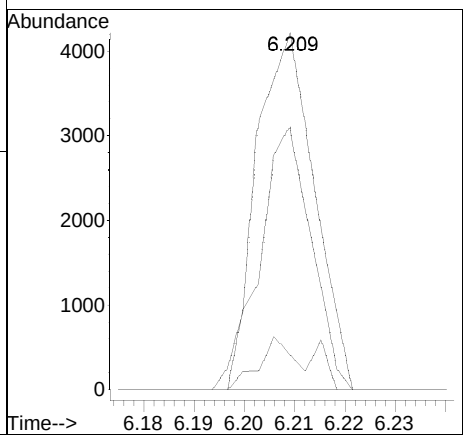


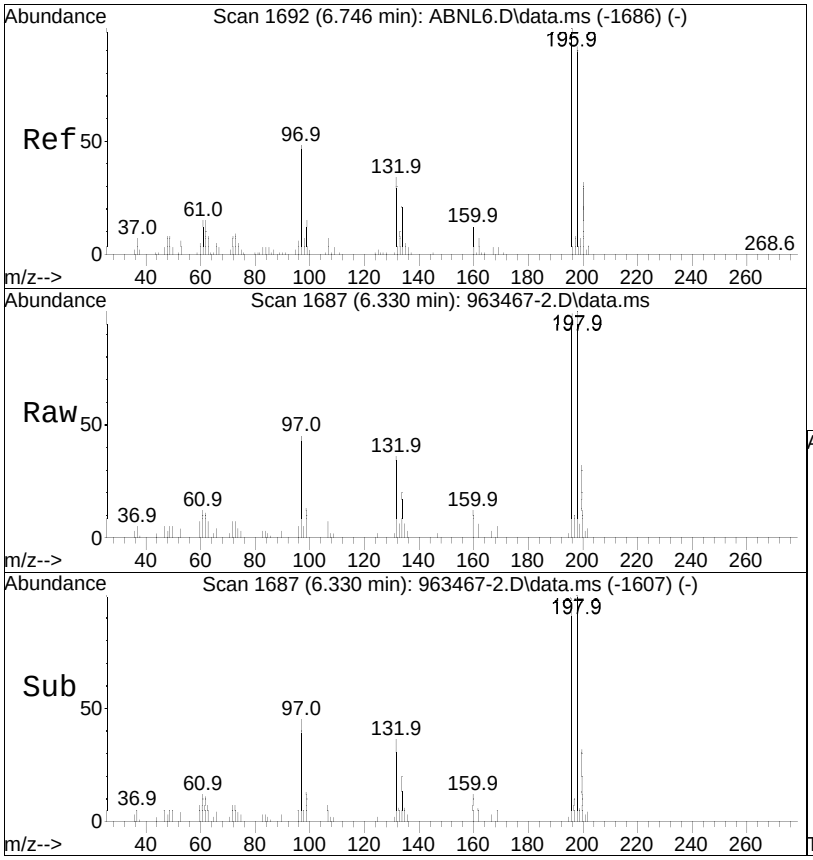


#43
Hexachlorocyclopentadiene
Concen: 0.61 ug/ml
RT: 6.209 min Scan# 1648
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:237 Resp: 3381

Ion	Ratio	Lower	Upper
237	100		
235	64.3	49.7	74.5
272	0.0	9.8	14.6#

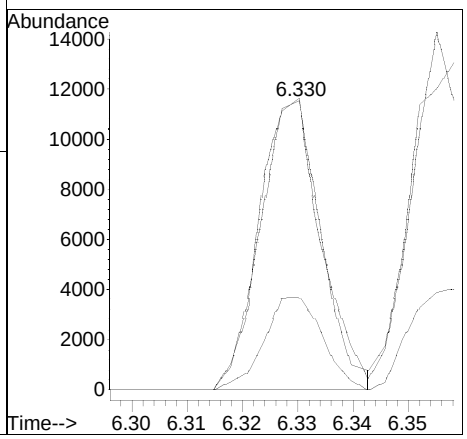


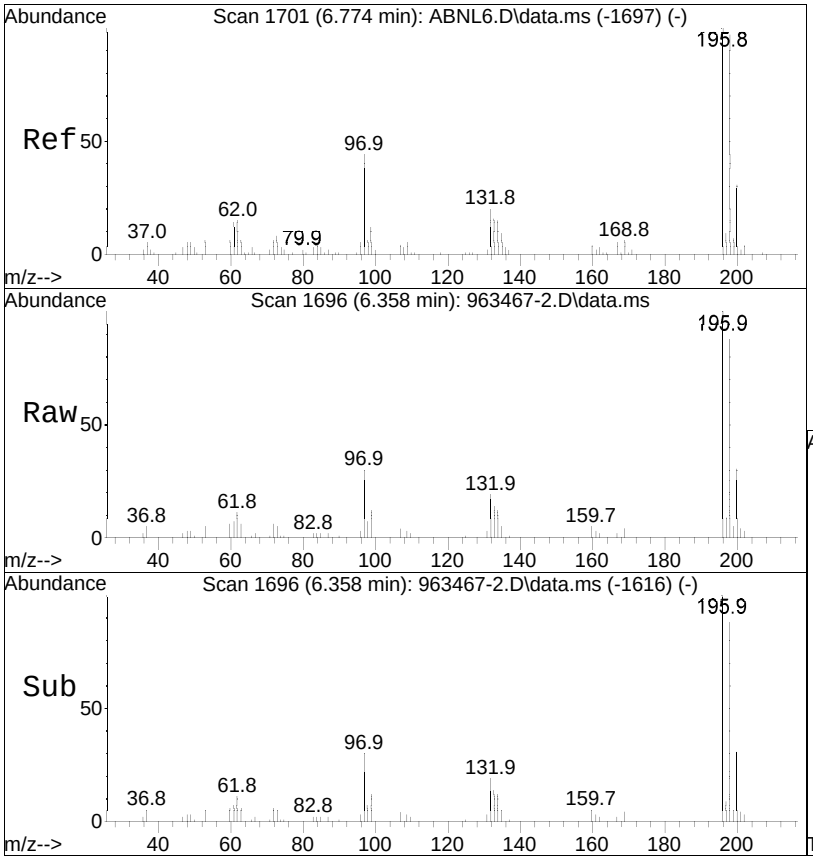


#44
2,4,6-Trichlorophenol
Concen: 1.57 ug/ml
RT: 6.330 min Scan# 1687
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:196 Resp: 8798

Ion	Ratio	Lower	Upper
196	100		
198	101.9	77.5	116.3
200	30.8	23.8	35.6

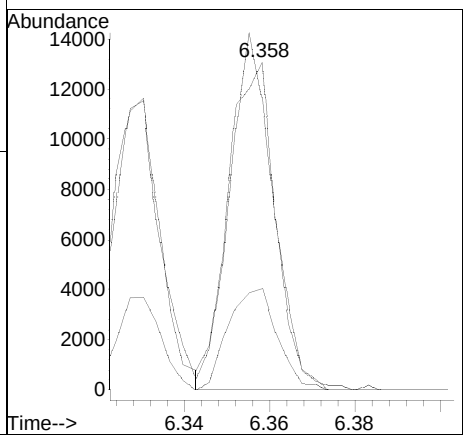


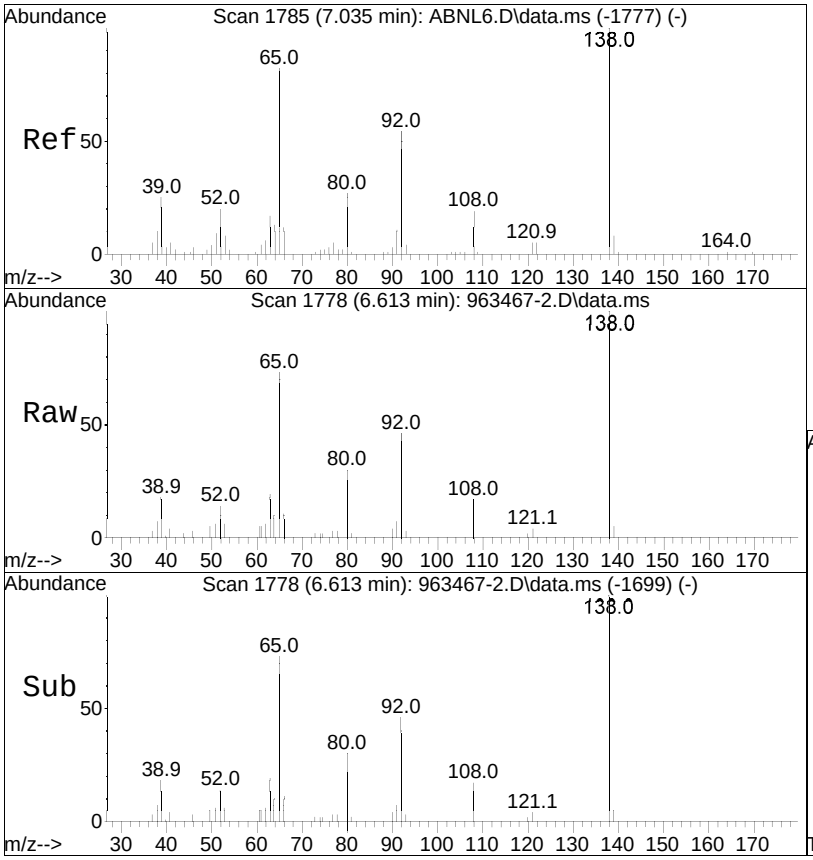


#45
2,4,5-Trichlorophenol
Concen: 1.71 ug/ml
RT: 6.358 min Scan# 1696
Delta R.T. 0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:196 Resp: 10253

Ion	Ratio	Lower	Upper
196	100		
200	31.6	25.4	38.0
198	97.2	78.0	117.0

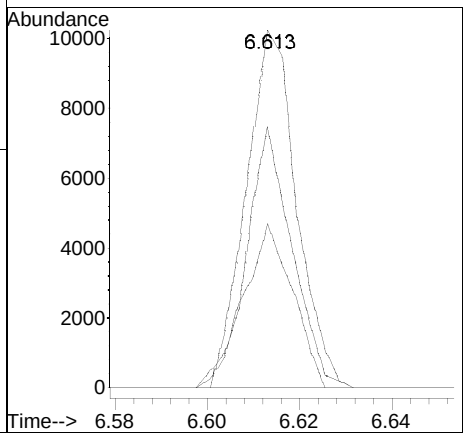


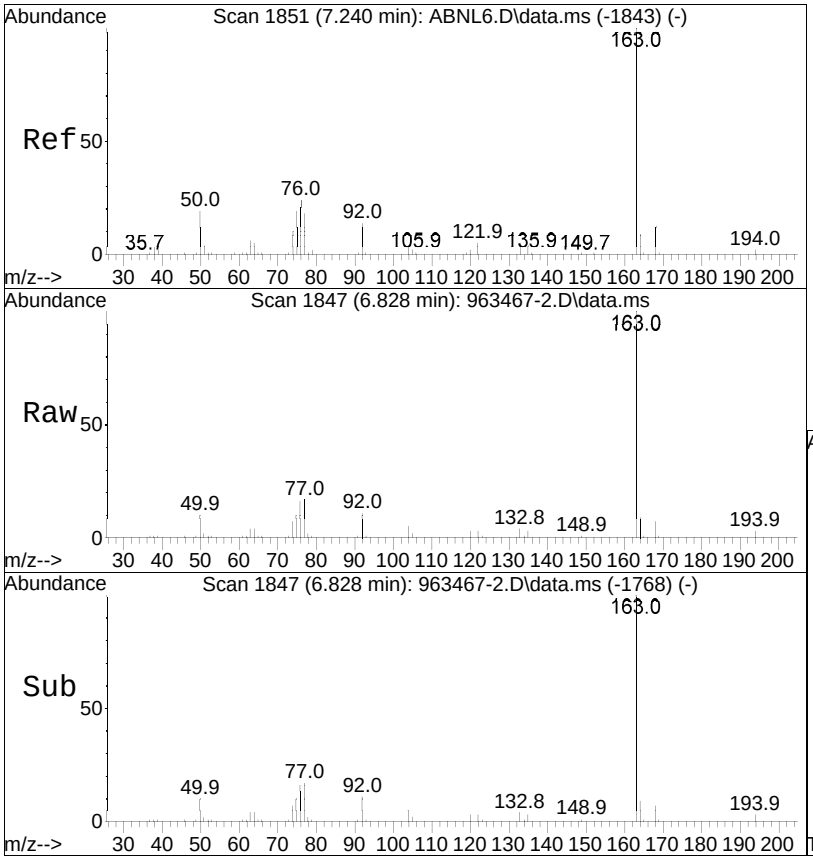


#48
2-Nitroaniline
Concen: 1.84 ug/ml
RT: 6.613 min Scan# 1778
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:138 Resp: 7750

Ion	Ratio	Lower	Upper
138	100		
92	44.7	53.5	80.3#
65	66.1	86.3	129.5#

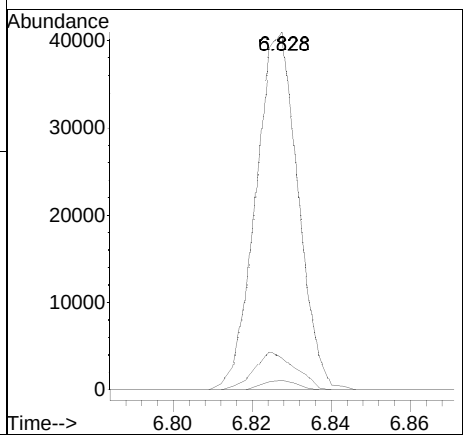


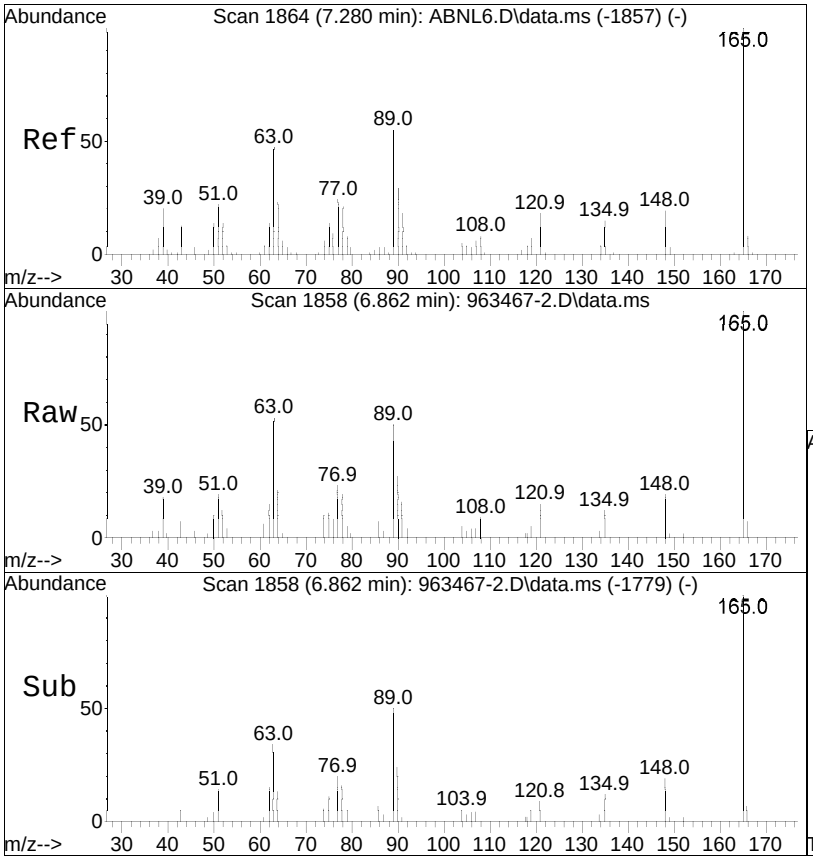


#51
Dimethyl phthalate
Concen: 1.53 ug/ml
RT: 6.828 min Scan# 1847
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:163 Resp: 30062

Ion	Ratio	Lower	Upper
163	100		
194	2.2	3.5	5.3#
164	10.4	7.9	11.9

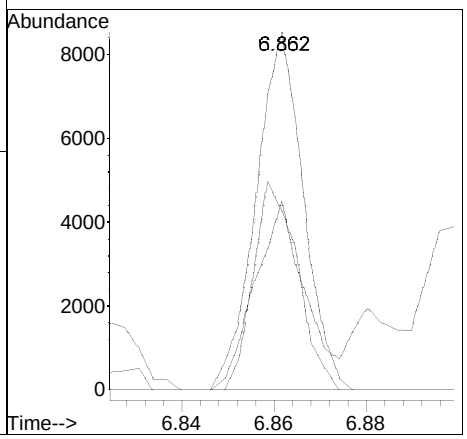


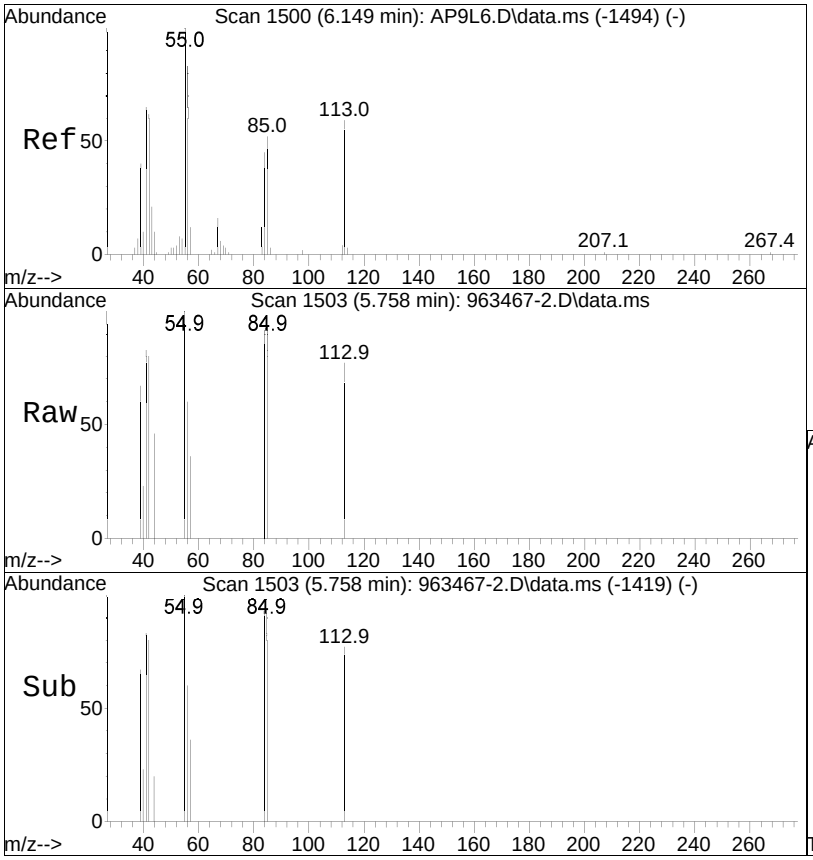


#53
2,6-Dinitrotoluene
Concen: 1.57 ug/ml
RT: 6.862 min Scan# 1858
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:165 Resp: 6068

Ion	Ratio	Lower	Upper
165	100		
89	54.4	54.2	81.2
63	56.5	64.2	96.2#

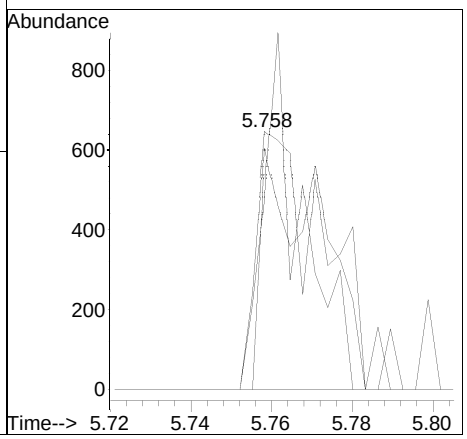


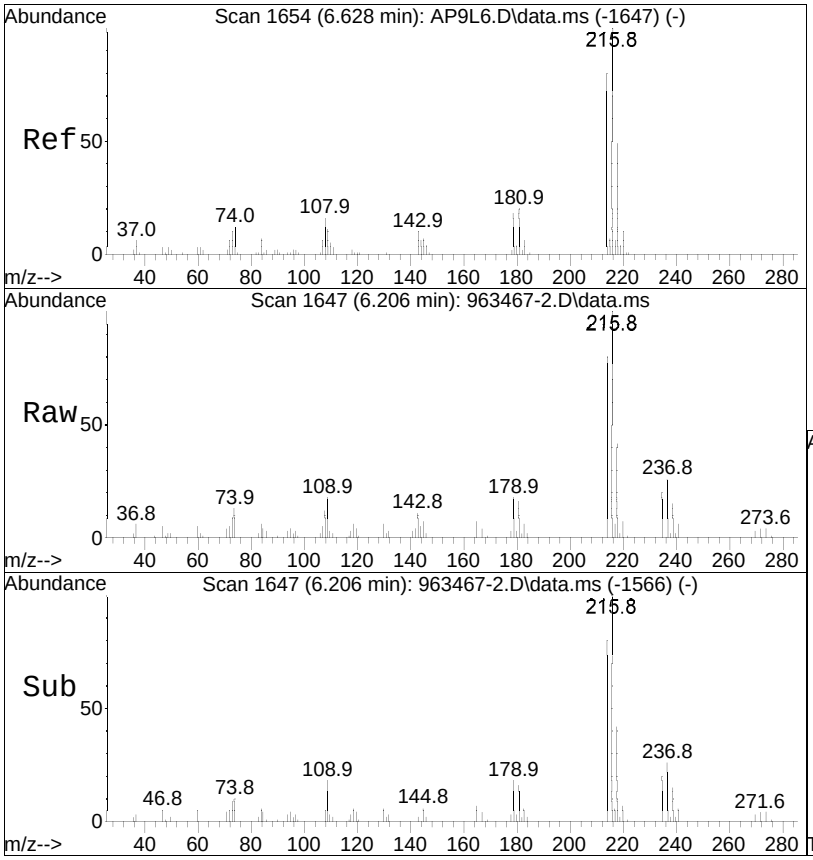


#60
Caprolactam
Concen: 0.29 ug/ml M6
RT: 5.758 min Scan# 1503
Delta R.T. 0.012 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 55 Resp: 732

Ion	Ratio	Lower	Upper
55	100		
85	0.0	19.8	29.6#
113	0.0	29.6	44.4#

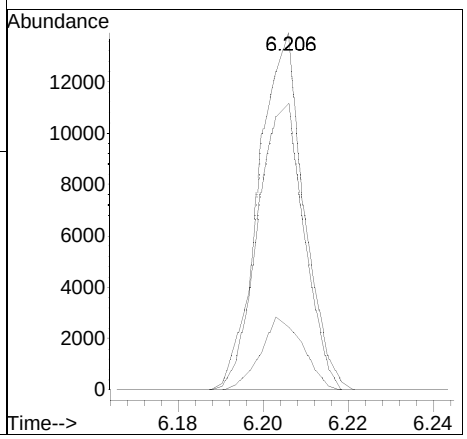


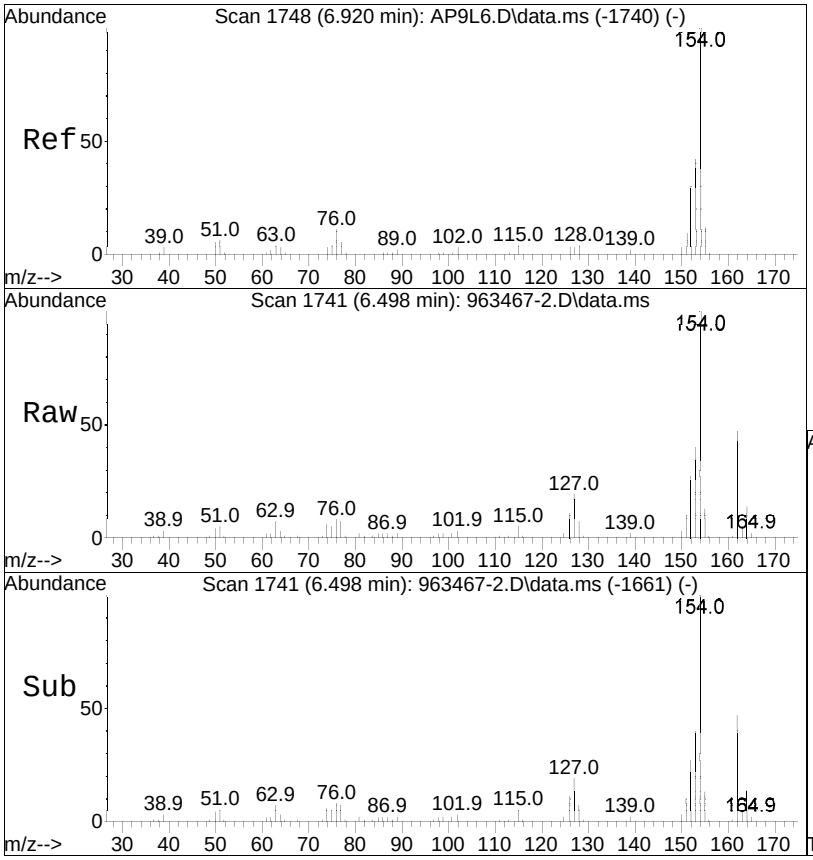


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.08 ug/ml
RT: 6.206 min Scan# 1647
Delta R.T. 0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:216 Resp: 10231

Ion	Ratio	Lower	Upper
216	100		
214	82.5	63.7	95.5
179	19.1	19.0	28.6

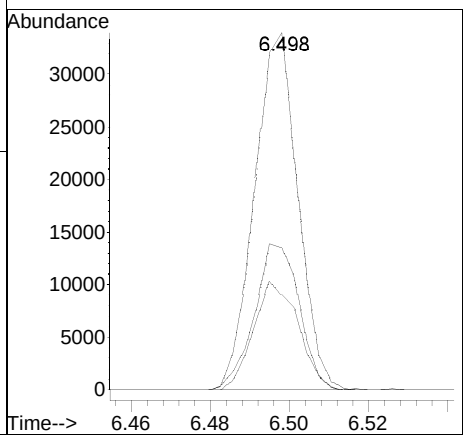


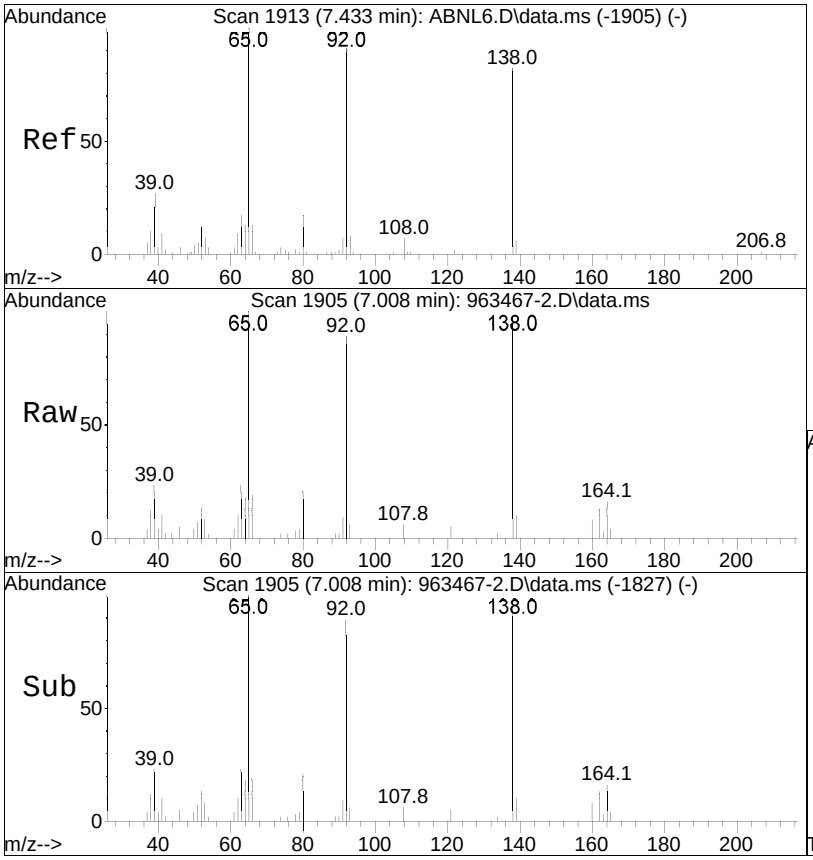


#62
Biphenyl
Concen: 1.27 ug/ml
RT: 6.498 min Scan# 1741
Delta R.T. -0.000 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:154 Resp: 25736

Ion	Ratio	Lower	Upper
154	100		
153	42.3	32.3	48.5
152	31.6	22.5	33.7

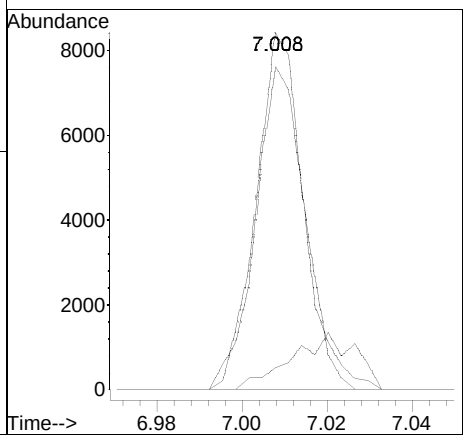


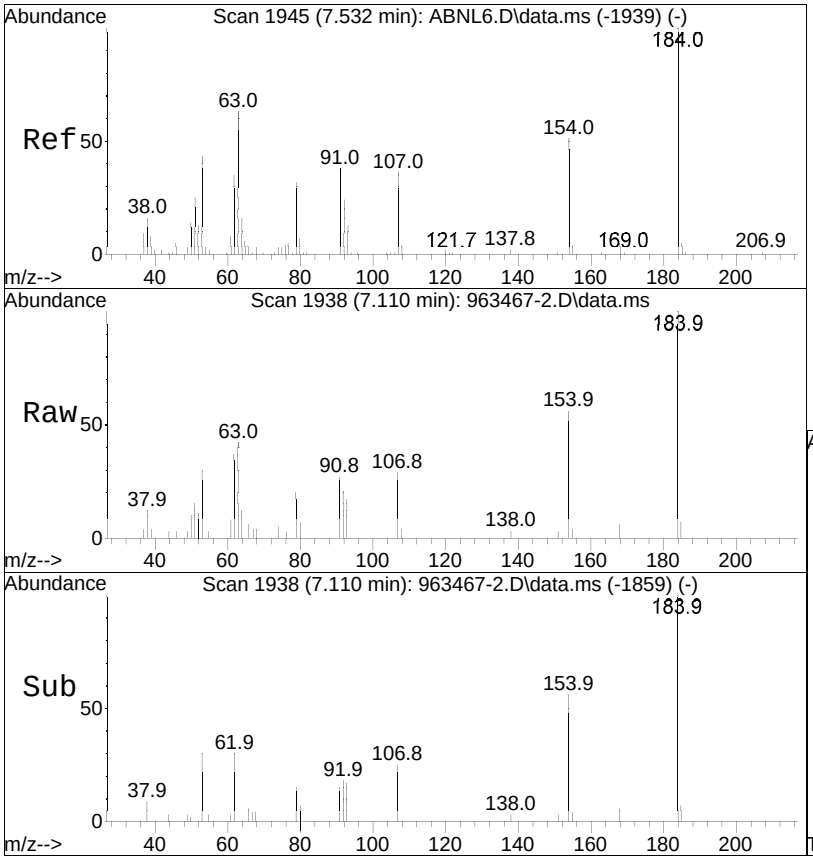


#64
3-Nitroaniline
Concen: 1.65 ug/ml
RT: 7.008 min Scan# 1905
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:138 Resp: 6471

Ion	Ratio	Lower	Upper
138	100		
92	95.1	93.4	140.2
108	21.4	9.5	14.3#

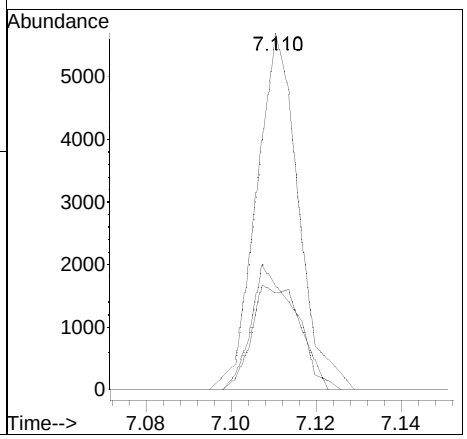


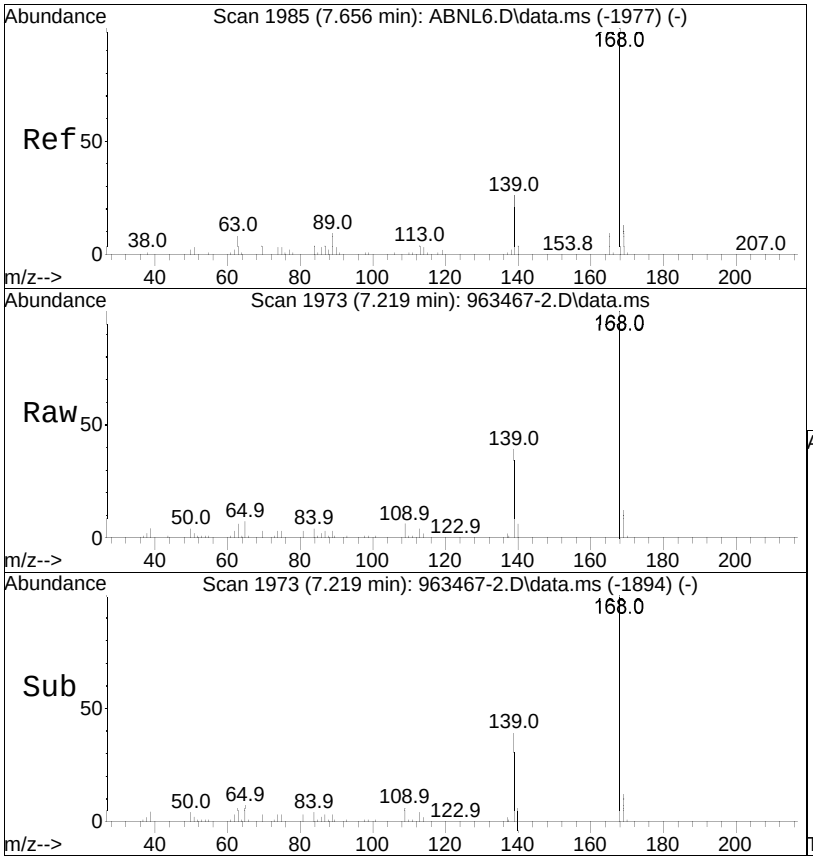


#66
2,4-Dinitrophenol
Concen: 1.59 ug/ml
RT: 7.110 min Scan# 1938
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:184 Resp: 3878

Ion	Ratio	Lower	Upper
184	100		
107	36.7	37.7	56.5#
91	34.2	46.3	69.5#

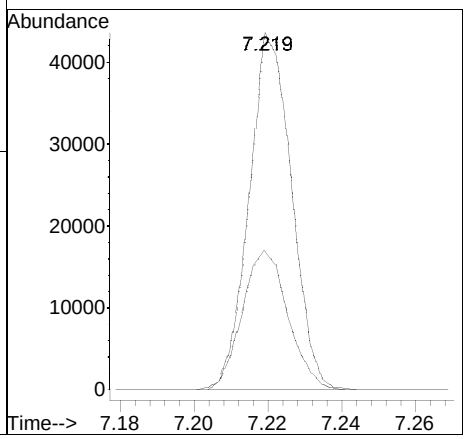


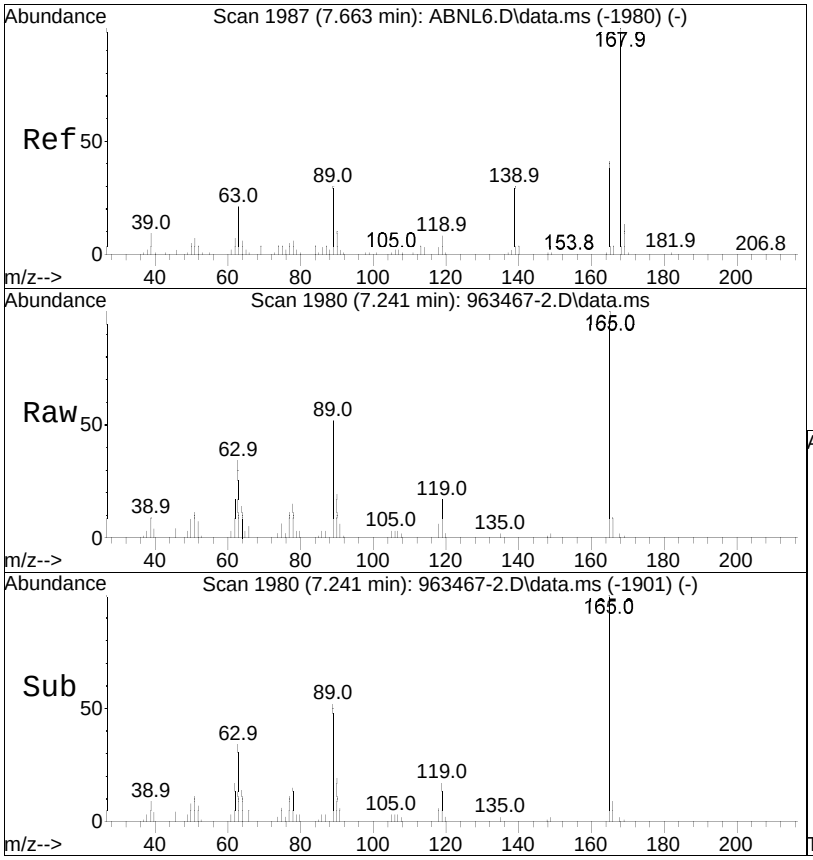


#67
Dibenzofuran
Concen: 1.37 ug/ml
RT: 7.219 min Scan# 1973
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:168 Resp: 34470

Ion	Ratio	Lower	Upper
168	100		
139	42.4	31.4	47.2

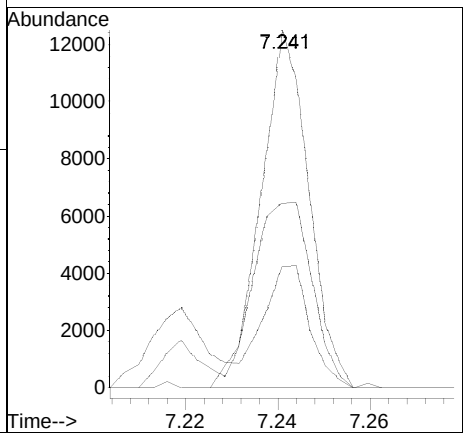


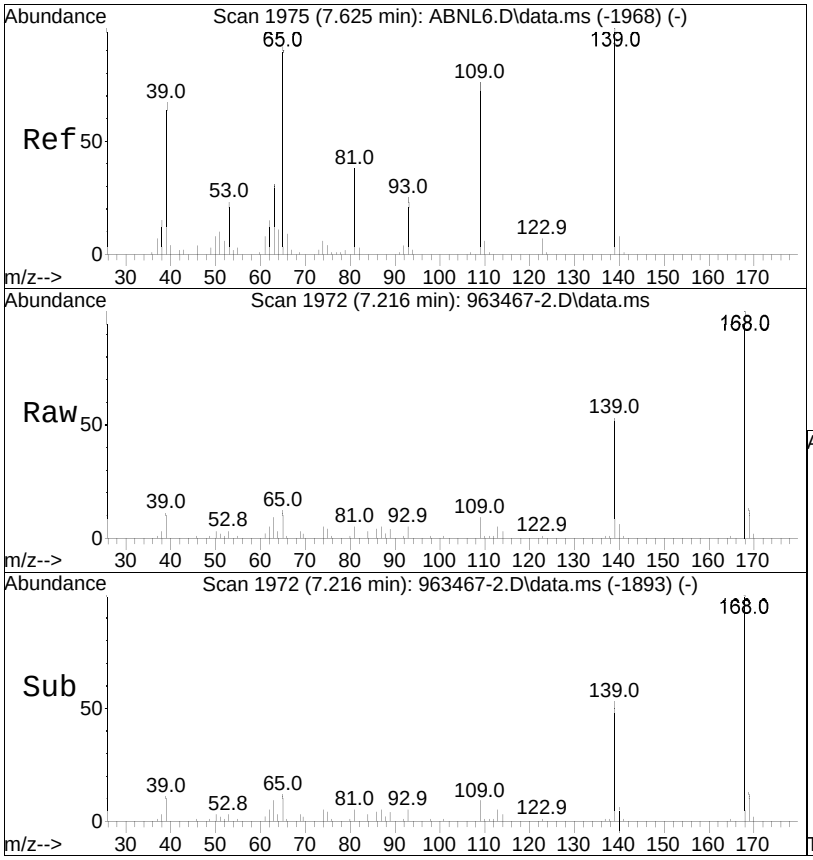


#68
2,4-Dinitrotoluene
Concen: 1.68 ug/ml
RT: 7.241 min Scan# 1980
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:165 Resp: 8955

Ion	Ratio	Lower	Upper
165	100		
89	63.2	72.0	108.0#
63	33.2	52.7	79.1#

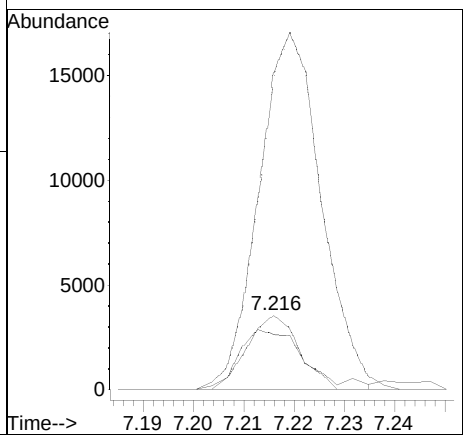


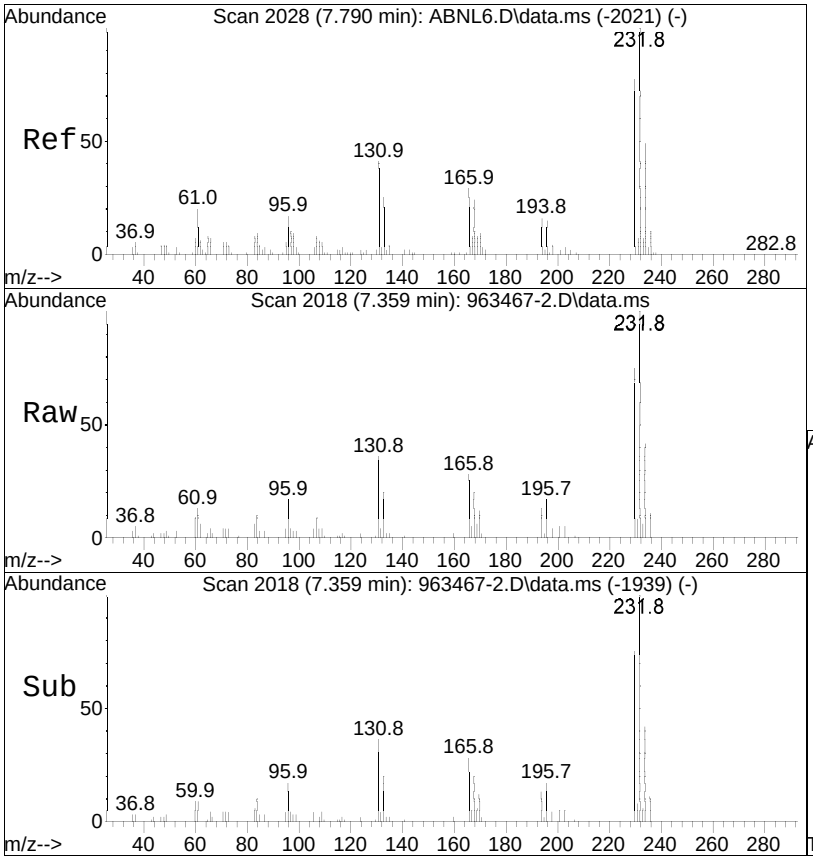


#69
4-Nitrophenol
Concen: 0.83 ug/ml
RT: 7.216 min Scan# 1972
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion: 65 Resp: 2733

Ion	Ratio	Lower	Upper
65	100		
109	88.1	47.4	71.2#
139	534.5	76.6	115.0#

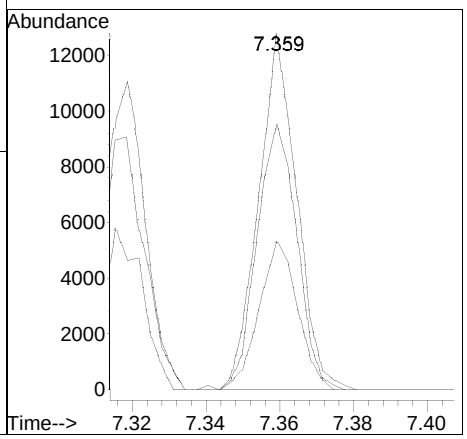


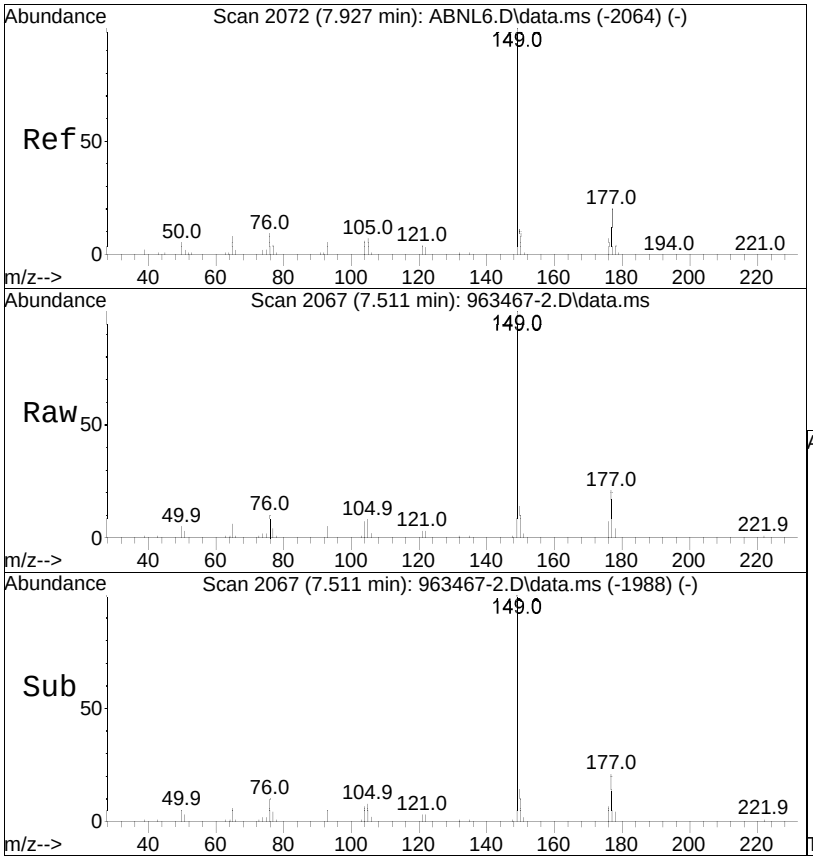


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.74 ug/ml
RT: 7.359 min Scan# 2018
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:232 Resp: 9212

Ion	Ratio	Lower	Upper
232	100		
230	77.9	61.8	92.8
234	42.2	36.2	54.2

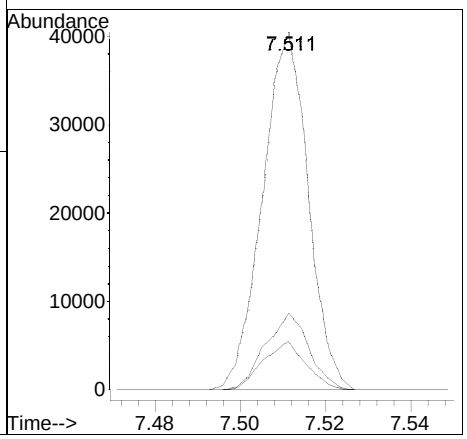


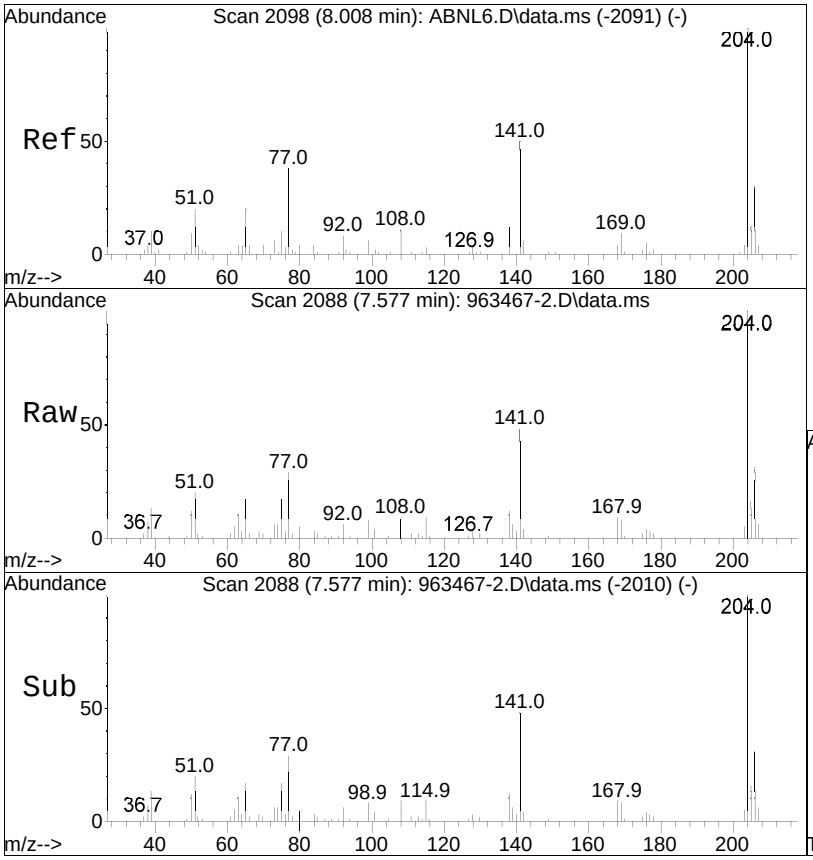


#72
Diethyl phthalate
Concen: 1.47 ug/ml
RT: 7.511 min Scan# 2067
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:149 Resp: 29869

Ion	Ratio	Lower	Upper
149	100		
177	20.5	16.1	24.1
150	13.0	9.4	14.2

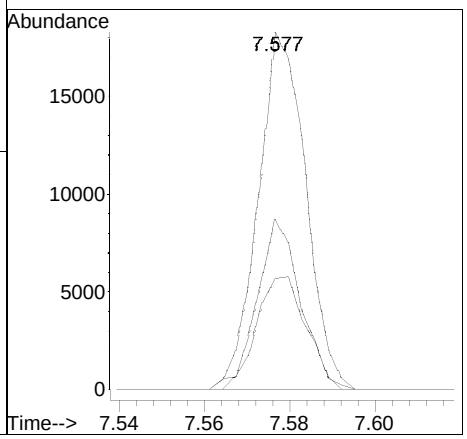


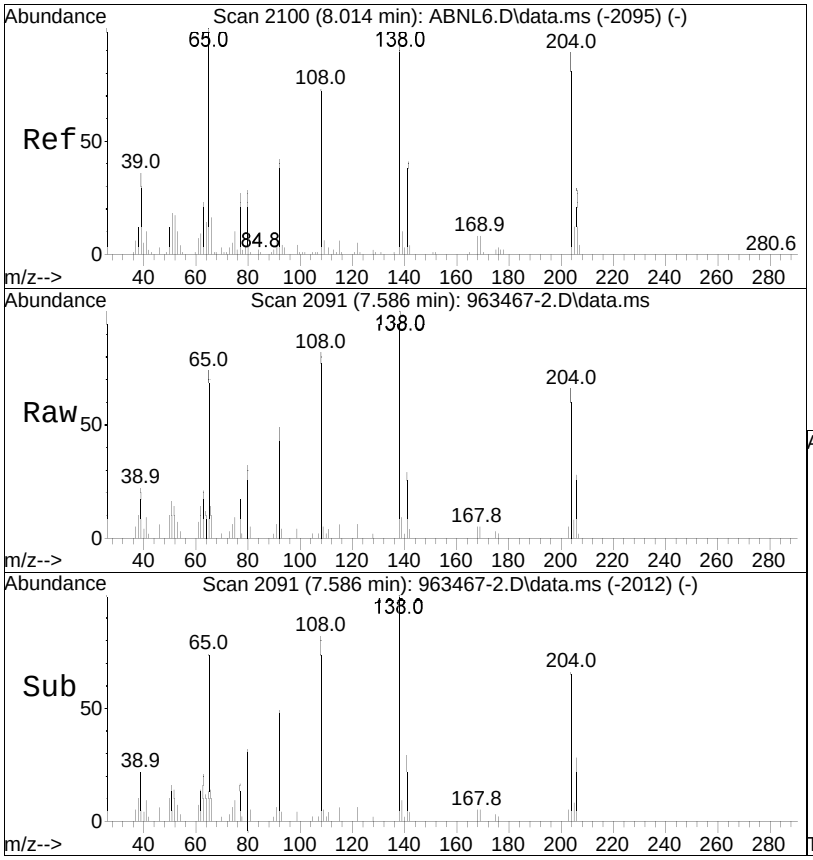


#74
4-Chlorophenyl phenyl ether
Concen: 1.45 ug/ml
RT: 7.577 min Scan# 2088
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:204 Resp: 14079

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.8	38.6
141	43.8	53.6	80.4#

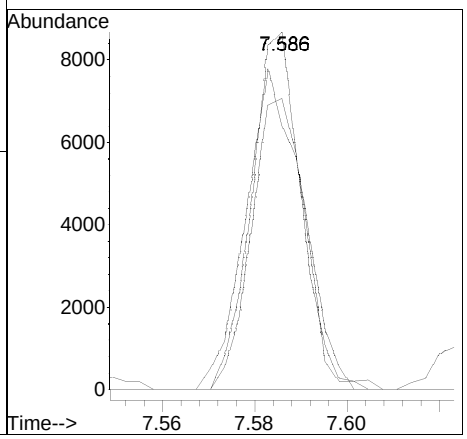


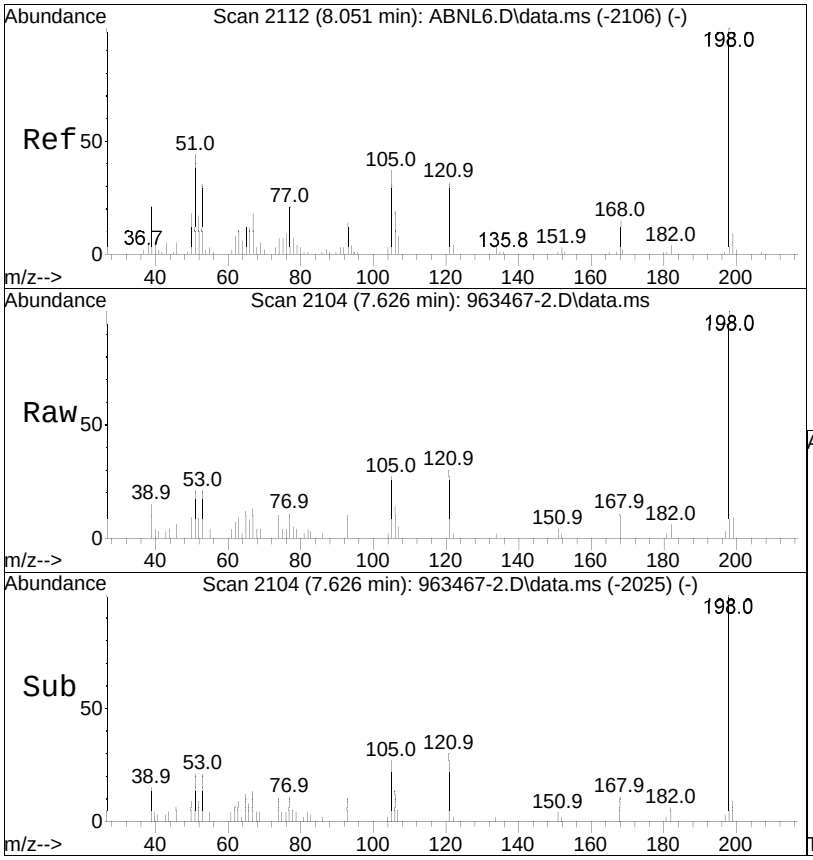


#75
4-Nitroaniline
Concen: 1.74 ug/ml
RT: 7.586 min Scan# 2091
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:138 Resp: 6718

Ion	Ratio	Lower	Upper
138	100		
108	84.7	52.1	78.1#
65	95.1	115.0	172.6#

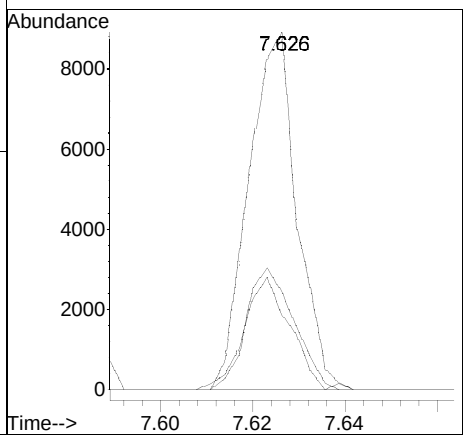


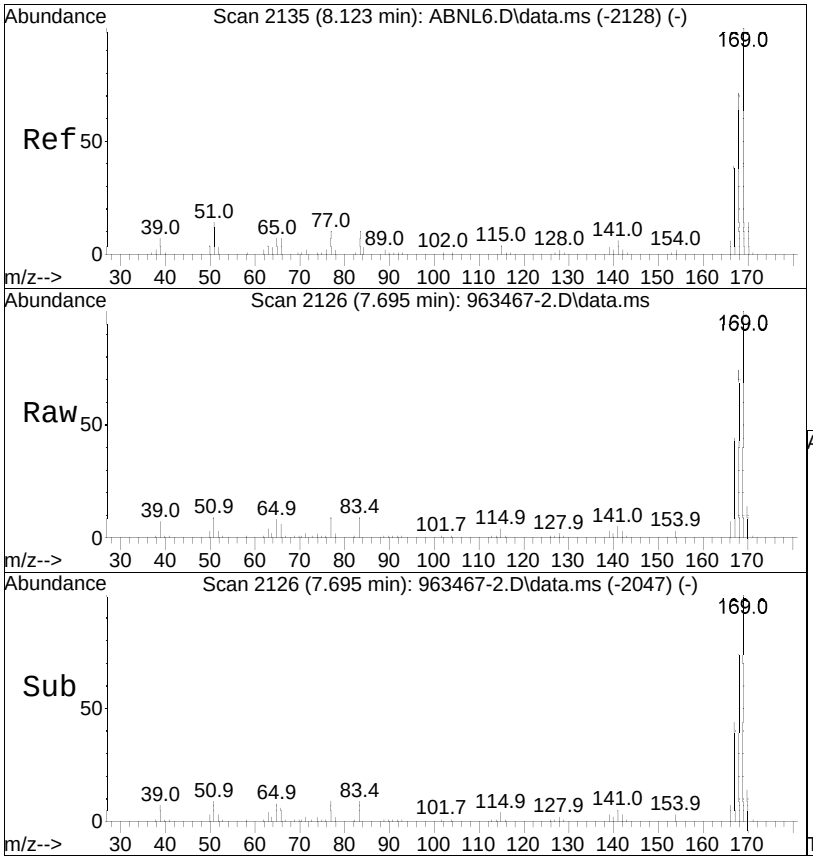


#76
4,6-Dinitro-o-cresol
Concen: 1.91 ug/ml
RT: 7.626 min Scan# 2104
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:198 Resp: 6434

Ion	Ratio	Lower	Upper
198	100		
51	30.5	76.0	114.0#
105	33.9	45.6	68.4#

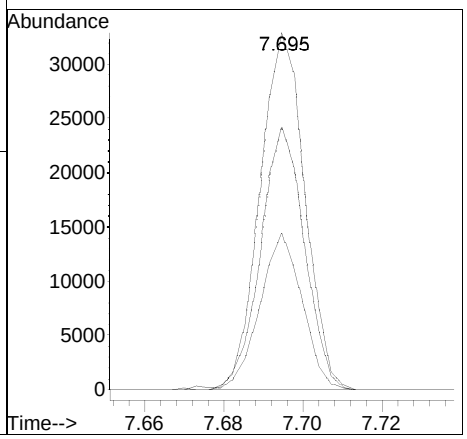


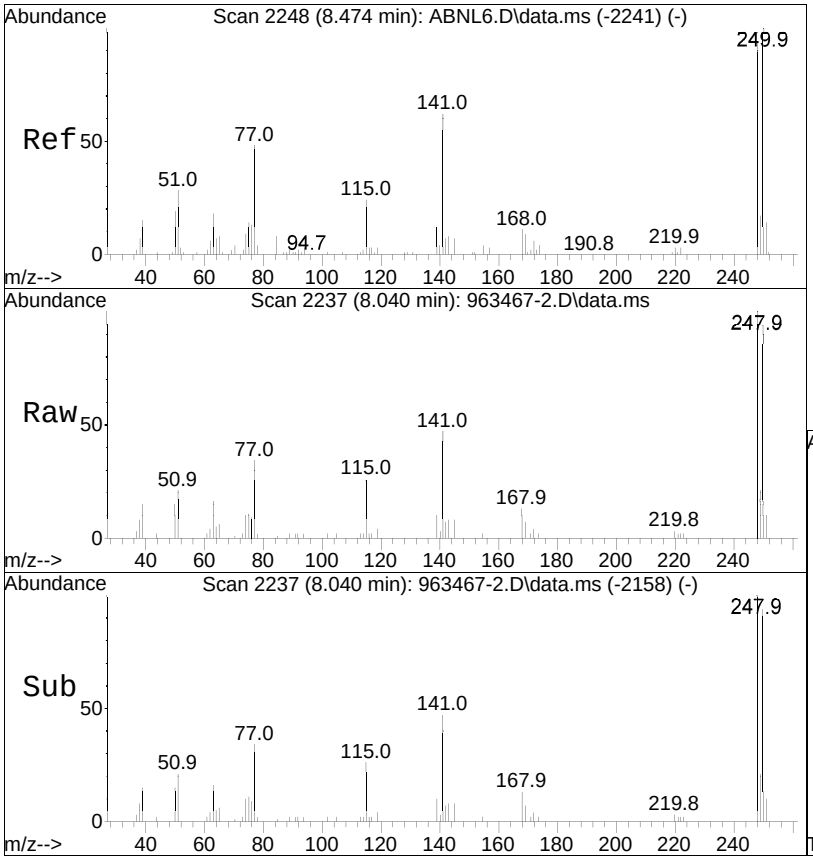


#77
NDPA/DPA
Concen: 1.57 ug/ml
RT: 7.695 min Scan# 2126
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:169 Resp: 25770

Ion	Ratio	Lower	Upper
169	100		
168	72.1	54.0	81.0
167	42.1	28.6	42.8

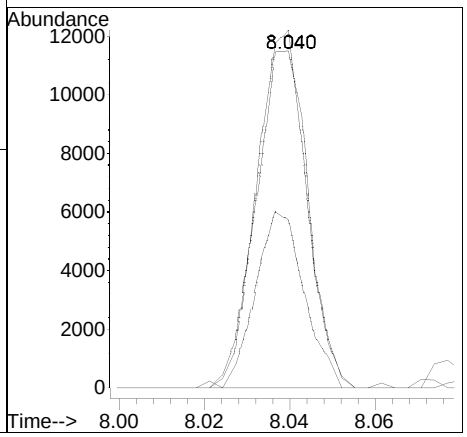


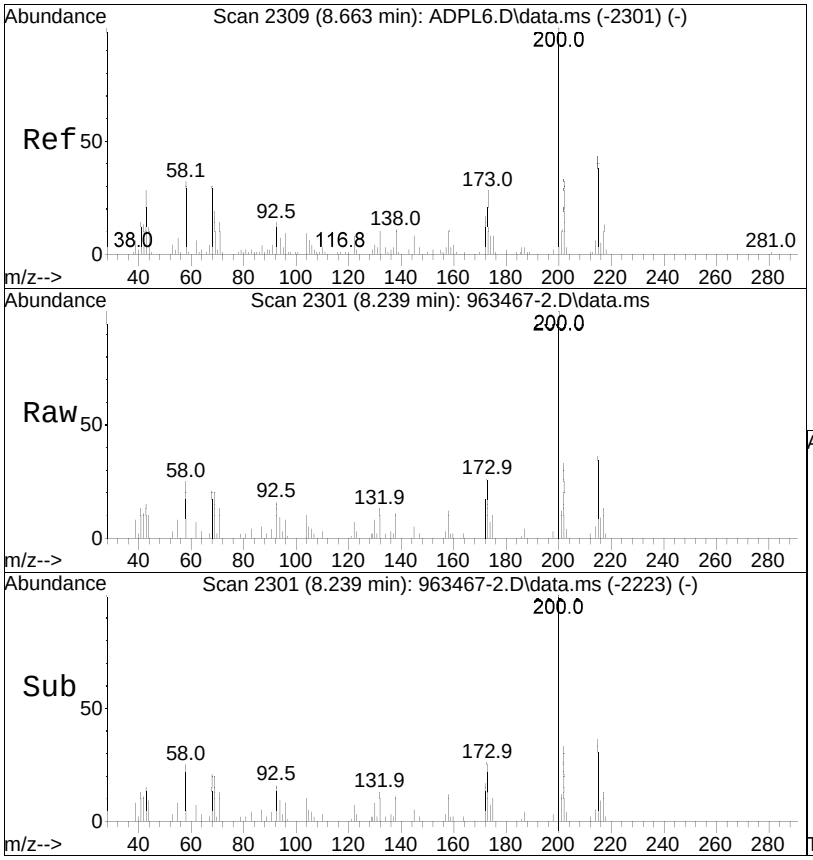


#80
4-Bromophenyl phenyl ether
Concen: 1.52 ug/ml
RT: 8.040 min Scan# 2237
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:248 Resp: 9812

Ion	Ratio	Lower	Upper
248	100		
141	48.9	76.6	114.8#
250	99.8	77.3	115.9

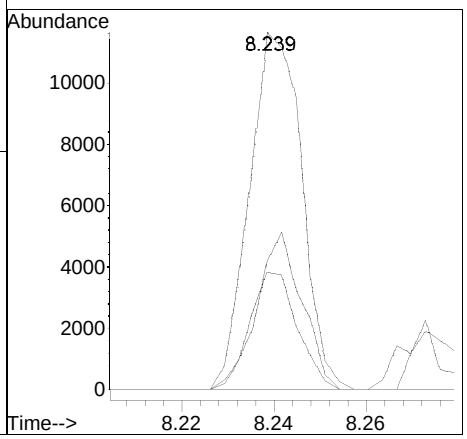


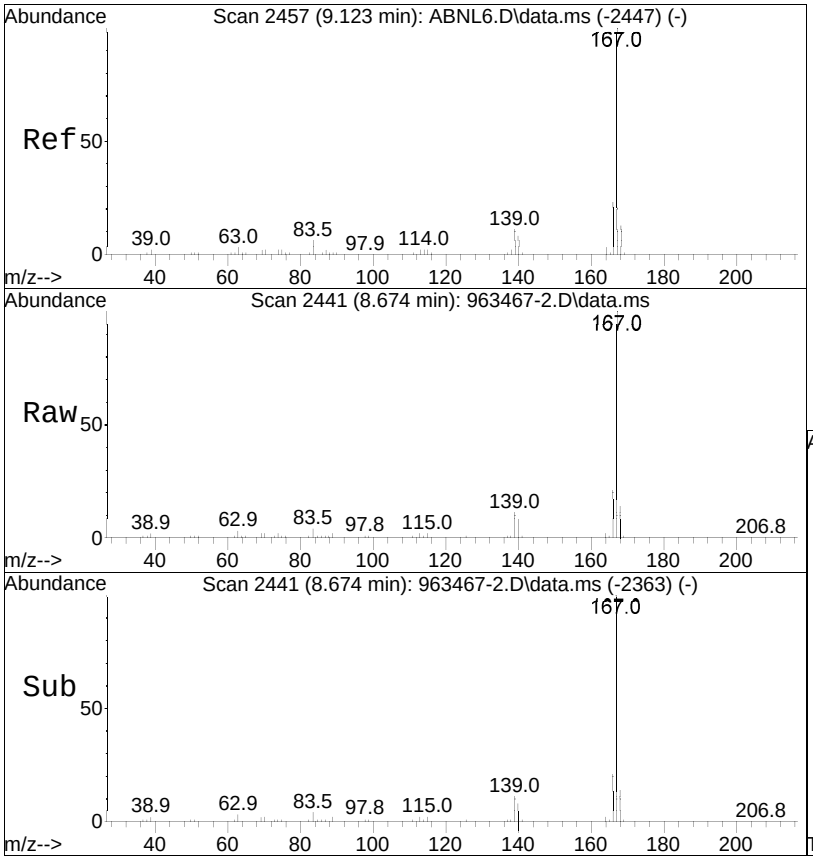


#87
Atrazine
Concen: 1.54 ug/ml
RT: 8.239 min Scan# 2301
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:200 Resp: 9116

Ion	Ratio	Lower	Upper
200	100		
202	30.2	25.8	38.6
215	38.2	40.2	60.4#

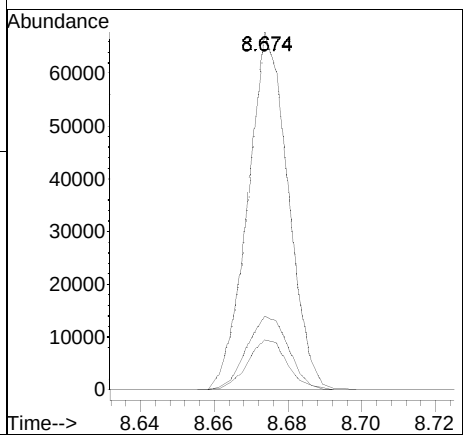


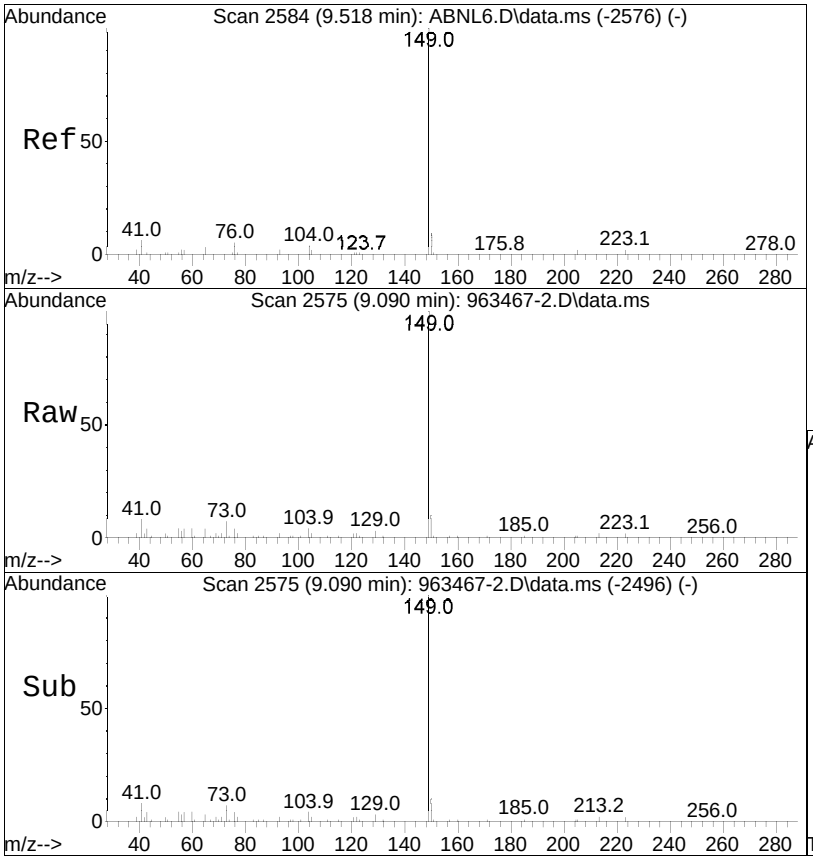


#91
Carbazole
Concen: 1.74 ug/ml
RT: 8.674 min Scan# 2441
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:167 Resp: 51102

Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	21.4	17.4	26.0

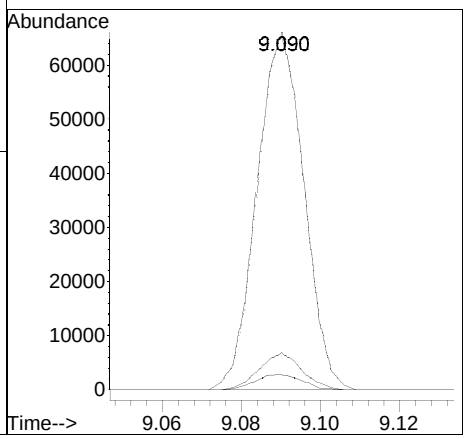


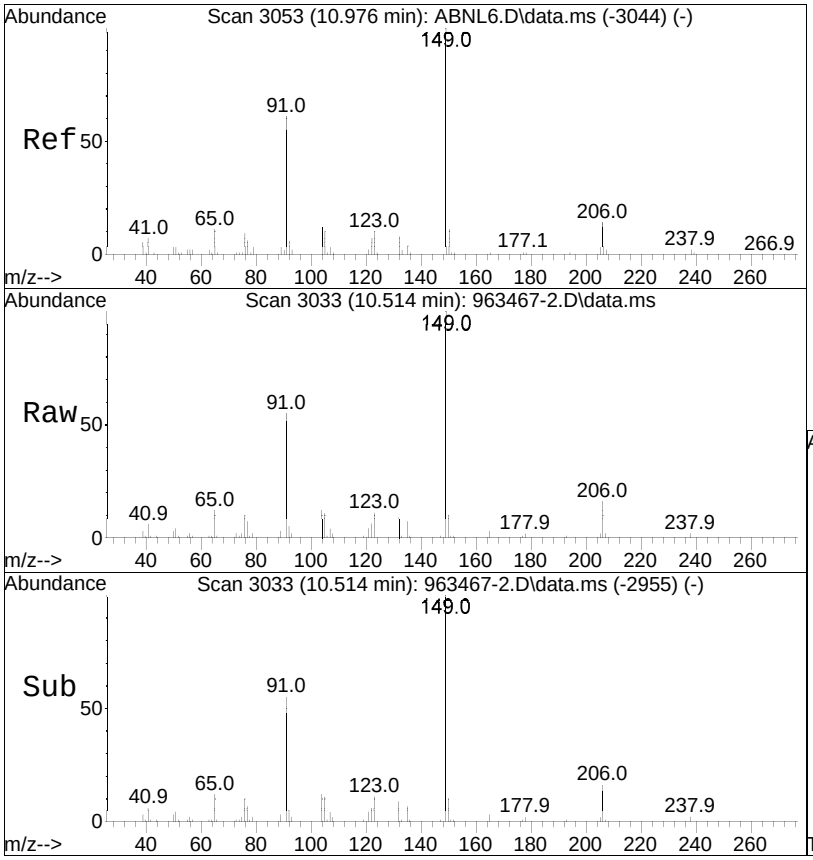


#92
Di-n-butylphthalate
Concen: 1.59 ug/ml
RT: 9.090 min Scan# 2575
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:149 Resp: 53779

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.0	10.6
104	4.3	4.5	6.7#

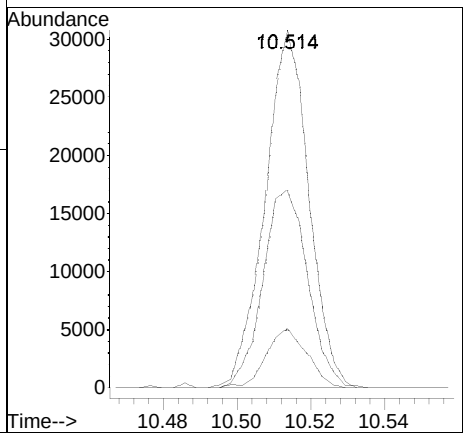


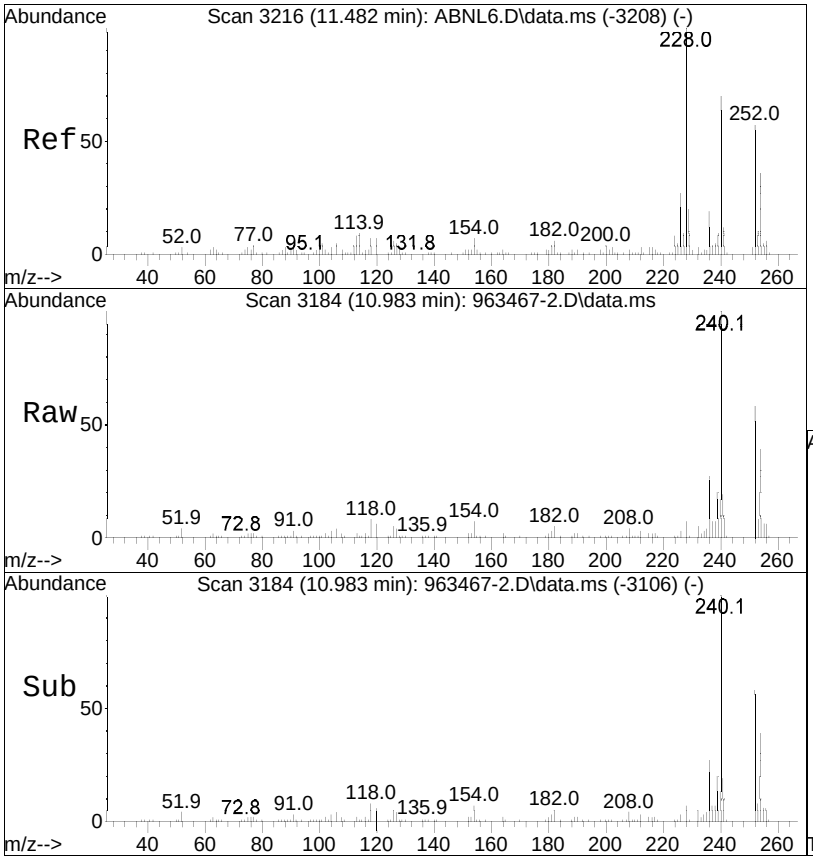


#97
Butyl benzyl phthalate
Concen: 1.66 ug/ml
RT: 10.514 min Scan# 3033
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:149 Resp: 25220

Ion	Ratio	Lower	Upper
149	100		
91	56.9	63.3	94.9#
206	15.6	13.9	20.9

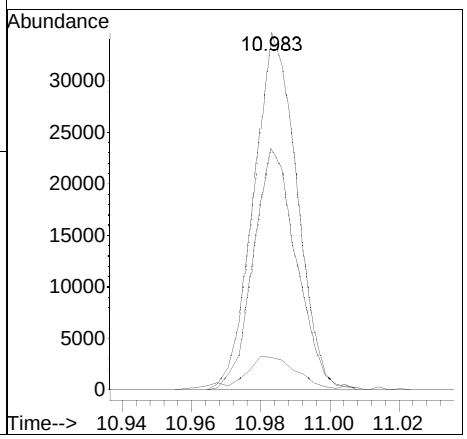


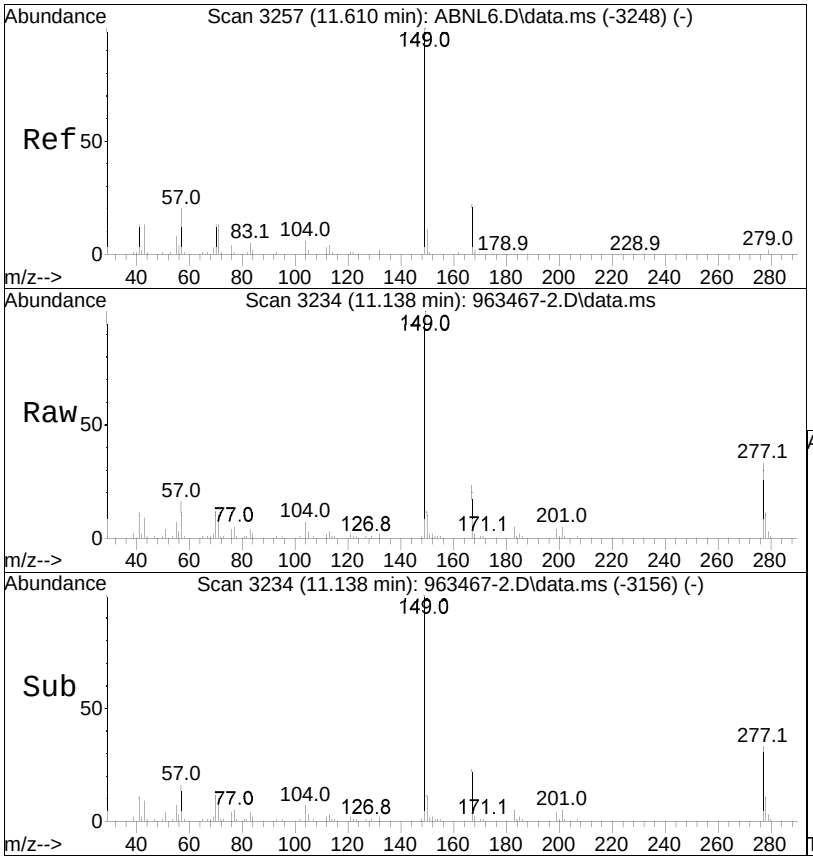


#106
3,3'-Dichlorobenzidine
Concen: 1.66 ug/ml
RT: 10.983 min Scan# 3184
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:252 Resp: 29964

Ion	Ratio	Lower	Upper
252	100		
126	11.5	14.5	21.7#
254	67.4	51.2	76.8

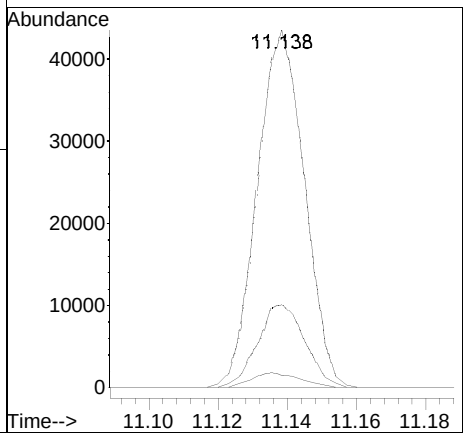


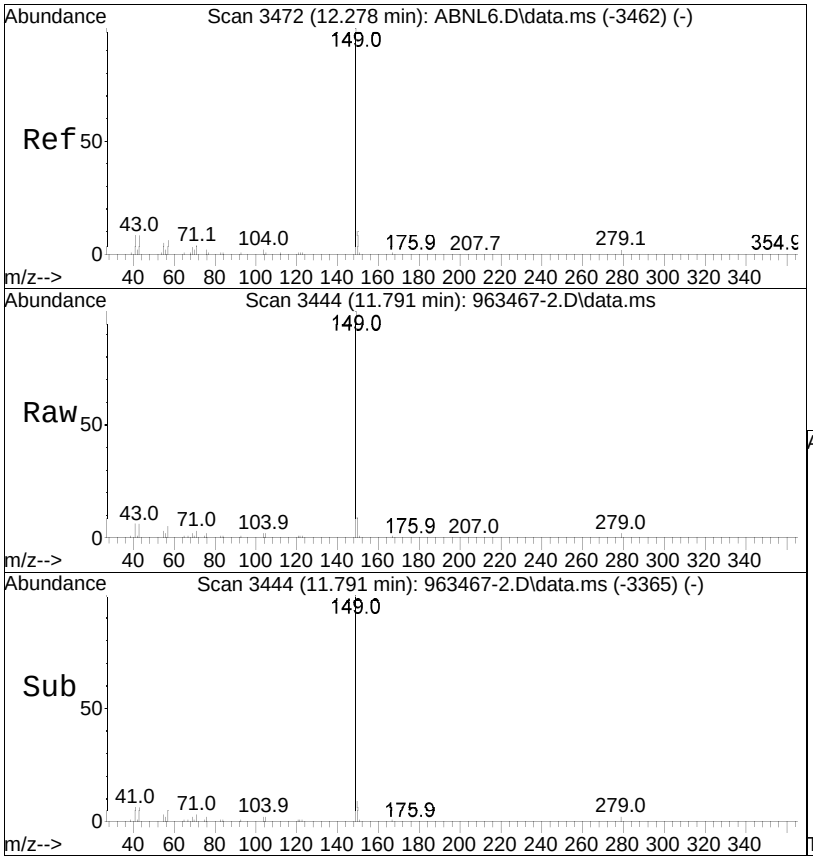


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.49 ug/ml
RT: 11.138 min Scan# 3234
Delta R.T. -0.006 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:149 Resp: 40907

Ion	Ratio	Lower	Upper
149	100		
167	23.3	22.1	33.1
279	4.1	3.0	4.4

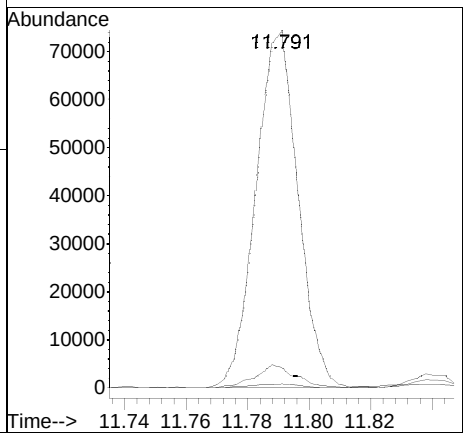




#109
Di-n-octylphthalate
Concen: 1.53 ug/ml
RT: 11.791 min Scan# 3444
Delta R.T. -0.003 min
Lab File: 963467-2.D
Acq: 25 Aug 2024 11:51 pm

Tgt Ion:149 Resp: 70049

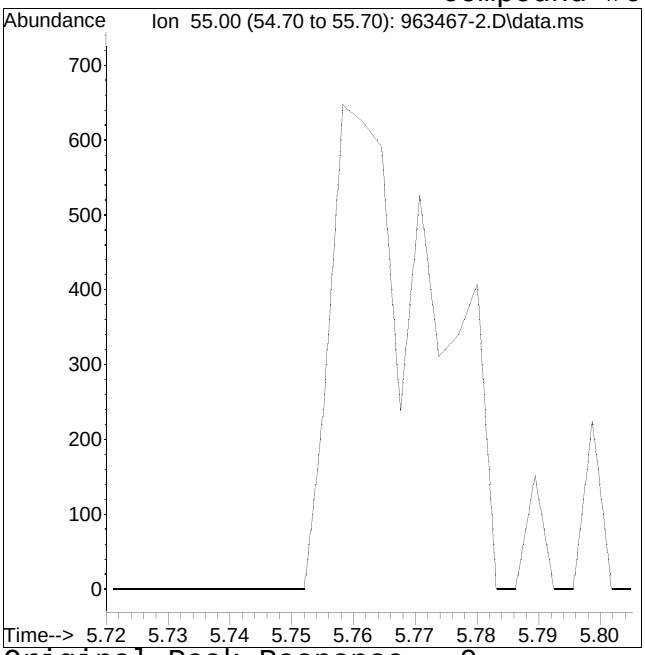
Ion	Ratio	Lower	Upper
149	100		
43	6.2	18.8	28.2#
167	1.1	1.3	1.9#



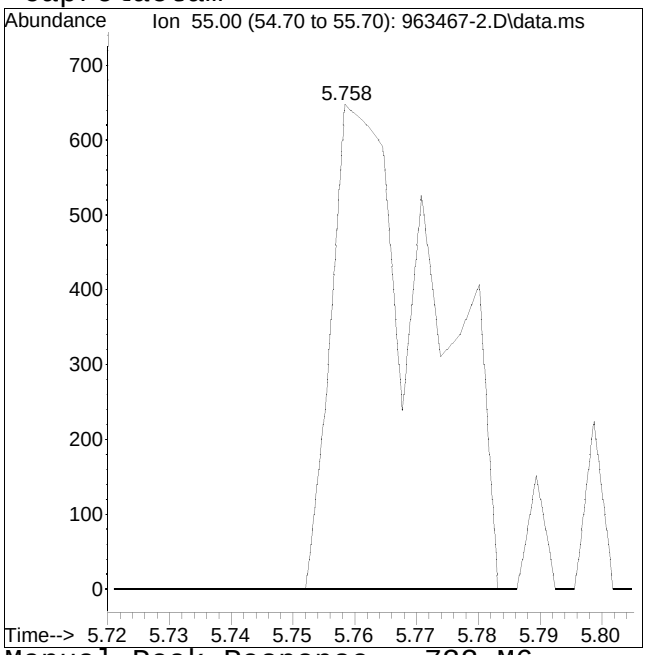
Manual Integration Report

Data Path : I:\8270\Dakota\240825aRVT\QMethod : FS240618RVT_14D_Dakota.m
Data File : 963467-2.D Operator : Dakota:mrg
Date Inj'd : 8/25/2024 11:51 pm Instrument : Dakota
Sample : WG1963467-2,32,,mrg Quant Date : 8/26/2024 0:10 am

Compound #60: Caprolactam



Original Peak Response = 0



Manual Peak Response = 732 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-2.D
Acq On : 27 Aug 2024 10:50 am
Operator : SV106:im
Sample : WG1964120-2,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 13:43:56 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.228	152	34366	4.000	ug/ml	# 0.00
Standard Area 1 = 45917			Recovery = 74.84%			
27) IS2_1,4-Dichlorobenzen...	6.228	152	34366	4.000	ug/ml	# 0.00
Standard Area 3 = 36294			Recovery = 94.69%			
32) IS3_1,4-Dichlorobenzen...	6.228	152	34366	4.000	ug/ml	# 0.00
Standard Area 2 = 41791			Recovery = 82.23%			
35) IS1_Naphthalene-d8	7.675	136	122333	4.000	ug/ml	# 0.00
Standard Area 1 = 173745			Recovery = 70.41%			
55) IS2_Naphthalene-d8	7.675	136	122333	4.000	ug/ml	# 0.00
Standard Area 3 = 126390			Recovery = 96.79%			
63) IS1_Acenaphthene-d10	9.433	164	78757	4.000	ug/ml	0.00
Standard Area 1 = 117972			Recovery = 66.76%			
83) IS2_Acenaphthene-d10	9.433	164	78757	4.000	ug/ml	0.00
Standard Area 3 = 82293			Recovery = 95.70%			
86) IS3_Acenaphthene-d10	9.433	164	78757	4.000	ug/ml	0.00
Standard Area 2 = 99896			Recovery = 78.84%			
88) IS1_Phenanthrene-d10	10.869	188	154410	4.000	ug/ml	# 0.00
Standard Area 1 = 251960			Recovery = 61.28%			
100) IS3_Phenanthrene-d10	10.869	188	154410	4.000	ug/ml	# 0.00
Standard Area 2 = 214594			Recovery = 71.95%			
104) IS1_Chrysene-d12	13.486	240	165990	4.000	ug/ml	0.00
Standard Area 1 = 246745			Recovery = 67.27%			
113) IS1_Perylene-d12	14.939	264	189547	4.000	ug/ml	0.01
Standard Area 1 = 274826			Recovery = 68.97%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.175	112	10653	1.073	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.65%			
7) Phenol-d6	5.869	99	10369	0.763	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.15%			
19) Nitrobenzene-d5	6.904	82	12129	0.872	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.20%			
46) 2-Fluorobiphenyl	8.804	172	19583	0.623	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 62.30%			
79) 2,4,6-Tribromophenol	10.204	330	5563	1.133	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.65%			

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-2.D
Acq On : 27 Aug 2024 10:50 am
Operator : SV106:im
Sample : WG1964120-2,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 13:43:56 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.451	244	29285	0.705	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.50%

Target Compounds						Qvalue
6) 2-Chlorophenol	5.963	128	14419	1.303	ug/ml#	83
8) Phenol	5.887	94	12210	0.866	ug/ml#	76
9) Bis(2-chloroethyl)ether	5.951	93	17959	1.550	ug/ml#	70
14) Bis(2-chloroisopropyl)...	6.634	45	29941	1.609	ug/ml#	65
15) 2-Methylphenol	6.634	108	13641	1.343	ug/ml	96
17) n-Nitrosodi-n-propylamine	6.781	70	16204	1.784	ug/ml#	87
18) 3-Methylphenol/4-Methy...	6.822	108	14825	1.349	ug/ml#	93
20) Nitrobenzene	6.922	77	24295	1.721	ug/ml#	83
21) Isophorone	7.210	82	40109	1.691	ug/ml#	90
22) 2-Nitrophenol	7.286	139	8280	1.393	ug/ml#	67
23) 2,4-Dimethylphenol	7.398	107	13693	1.225	ug/ml	87
24) Bis(2-chloroethoxy)met...	7.486	93	23879	1.563	ug/ml#	96
25) 2,4-Dichlorophenol	7.551	162	15229	1.438	ug/ml	96
28) Benzaldehyde	5.640	105	14163	1.388	ug/ml	89
29) Acetophenone	6.745	105	28336	1.528	ug/ml#	90
38) 4-Chloroaniline	7.786	65	7364	1.424	ug/ml#	70
40) p-Chloro-m-cresol	8.322	107	18718	1.786	ug/ml#	80
43) Hexachlorocyclopentadiene	8.592	237	9434	0.919	ug/ml	95
44) 2,4,6-Trichlorophenol	8.716	196	12587M3	1.369	ug/ml	
45) 2,4,5-Trichlorophenol	8.745	196	13879	1.410	ug/ml	97
48) 2-Nitroaniline	9.010	138	11910	1.591	ug/ml	84
51) Dimethyl phthalate	9.216	163	46291	1.530	ug/ml#	98
53) 2,6-Dinitrotoluene	9.257	165	9288	1.426	ug/ml	94
60) Caprolactam	8.104	55	6148	0.957	ug/ml#	82
61) 1,2,4,5-Tetrachloroben...	8.592	216	20025	1.194	ug/ml	98
62) Biphenyl	8.892	154	43490	1.312	ug/ml	99
64) 3-Nitroaniline	9.410	138	9722	1.546	ug/ml#	67
66) 2,4-Dinitrophenol	9.516	184	5941	1.415	ug/ml#	92
67) Dibenzofuran	9.639	168	53904	1.414	ug/ml	96
68) 2,4-Dinitrotoluene	9.645	165	12991	1.390	ug/ml#	73
69) 4-Nitrophenol	9.610	65	8197	1.287	ug/ml#	72
71) 2,3,4,6-Tetrachlorophenol	9.775	232	12876	1.504	ug/ml	97
72) Diethyl phthalate	9.910	149	46718	1.551	ug/ml	98

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-2.D
Acq On : 27 Aug 2024 10:50 am
Operator : SV106:im
Sample : WG1964120-2,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 13:43:56 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	9.992	204	22132	1.403	ug/ml	93
75)	4-Nitroaniline	9.998	138	10709	1.636	ug/ml#	69
76)	4,6-Dinitro-o-cresol	10.039	198	8138	1.553	ug/ml#	74
77)	NDPA/DPA	10.110	169	30933	1.244	ug/ml	98
80)	4-Bromophenyl phenyl e...	10.463	248	13011	1.322	ug/ml	88
87)	Atrazine	10.651	200	14436	1.441	ug/ml	92
91)	Carbazole	11.110	167	61075	1.555	ug/ml	98
92)	Di-n-butylphthalate	11.510	149	81752	1.772	ug/ml	97
97)	Butyl benzyl phthalate	12.974	149	36923	1.739	ug/ml	93
106)	3,3'-Dichlorobenzidine	13.480	252	21311	1.050	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	13.610	149	59711	1.761	ug/ml#	90
109)	Di-n-octylphthalate	14.280	149	104211	1.857	ug/ml#	81

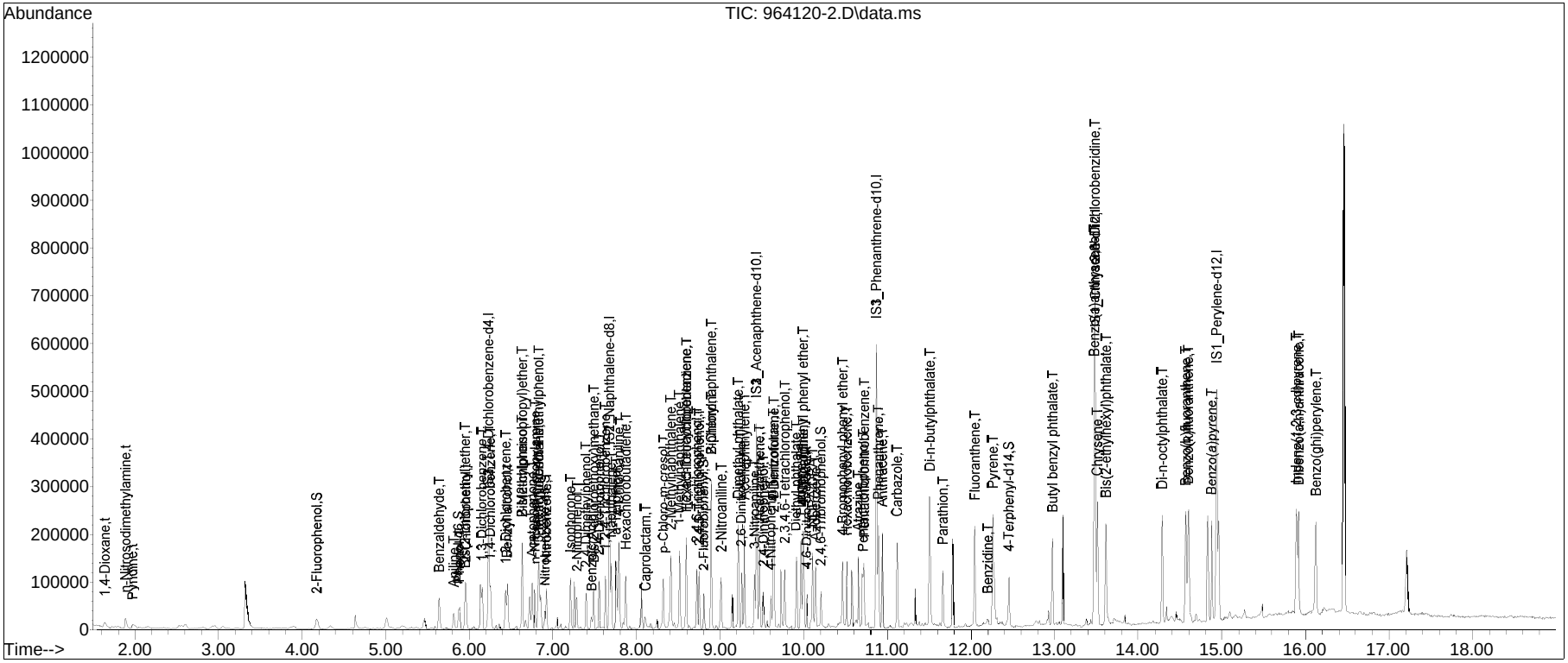
(#) = qualifier out of range (m) = manual integration (+) = signals summed

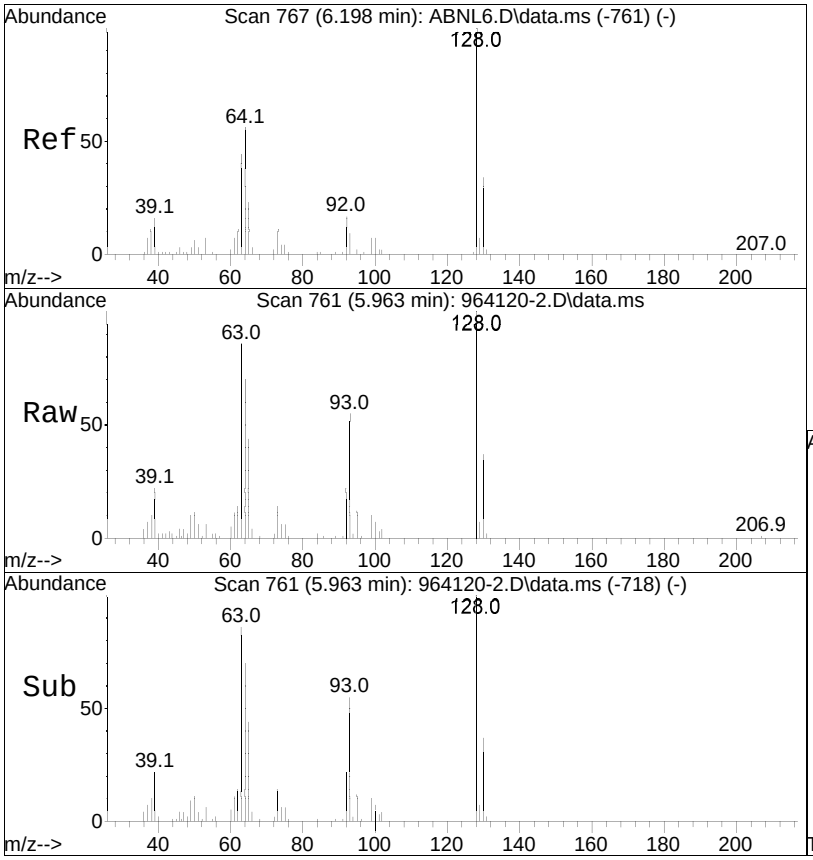
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-2.D
Acq On : 27 Aug 2024 10:50 am
Operator : SV106:im
Sample : WG1964120-2,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 13:43:56 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90827.D•

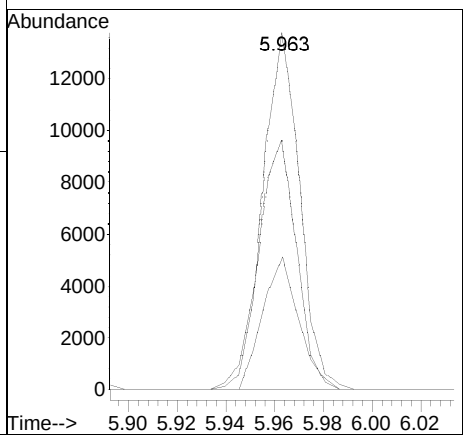


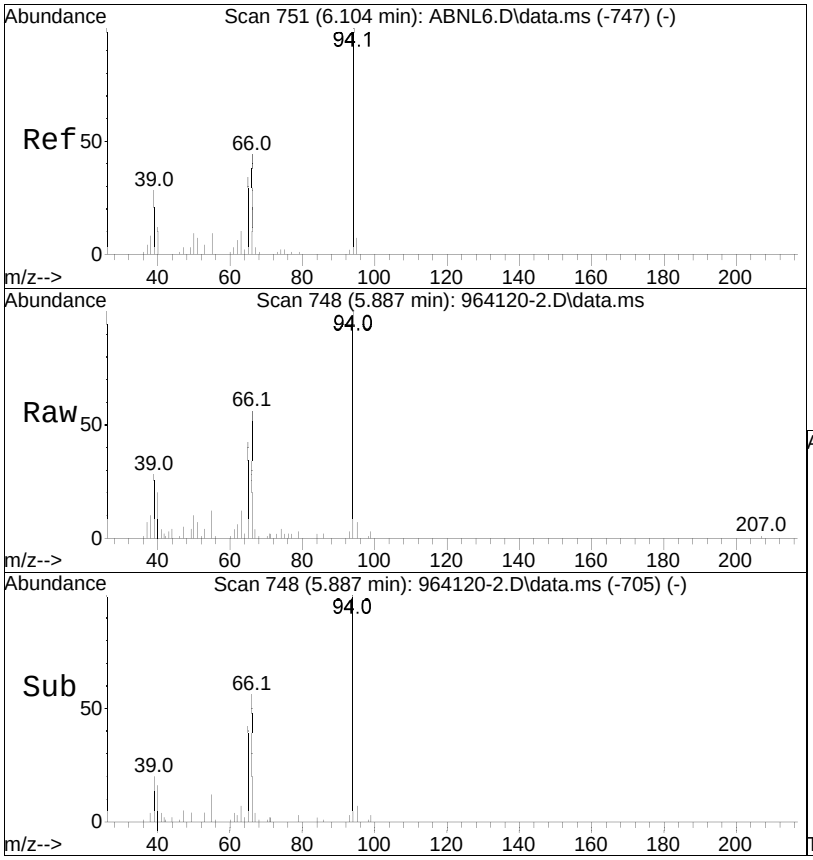


#6
2-Chlorophenol
Concen: 1.30 ug/ml
RT: 5.963 min Scan# 761
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:128 Resp: 14419

Ion	Ratio	Lower	Upper
128	100		
64	72.9	45.1	67.7#
130	36.8	26.2	39.4

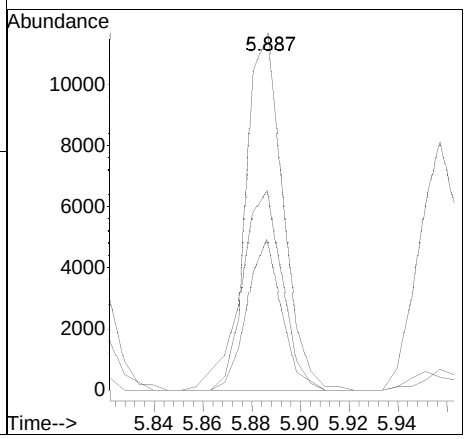


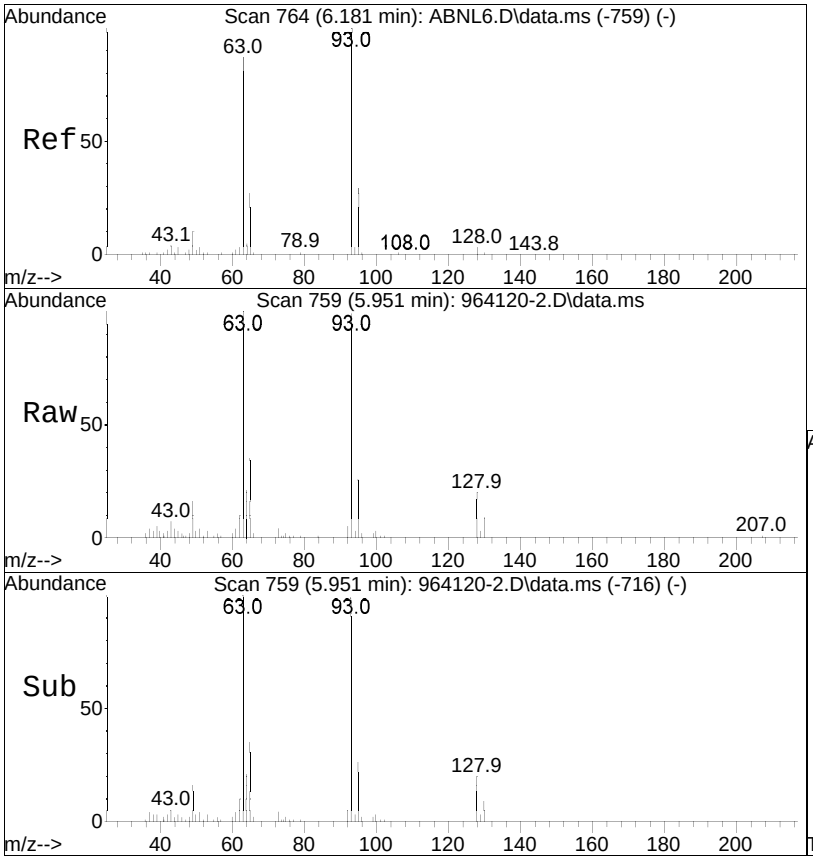


#8
Phenol
Concen: 0.87 ug/ml
RT: 5.887 min Scan# 748
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 94 Resp: 12210

Ion	Ratio	Lower	Upper
94	100		
65	39.9	26.0	39.0#
66	63.3	33.8	50.8#

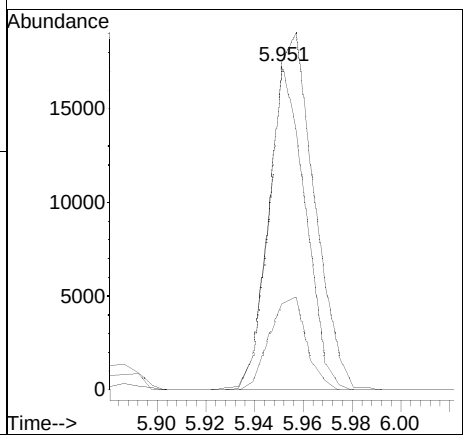


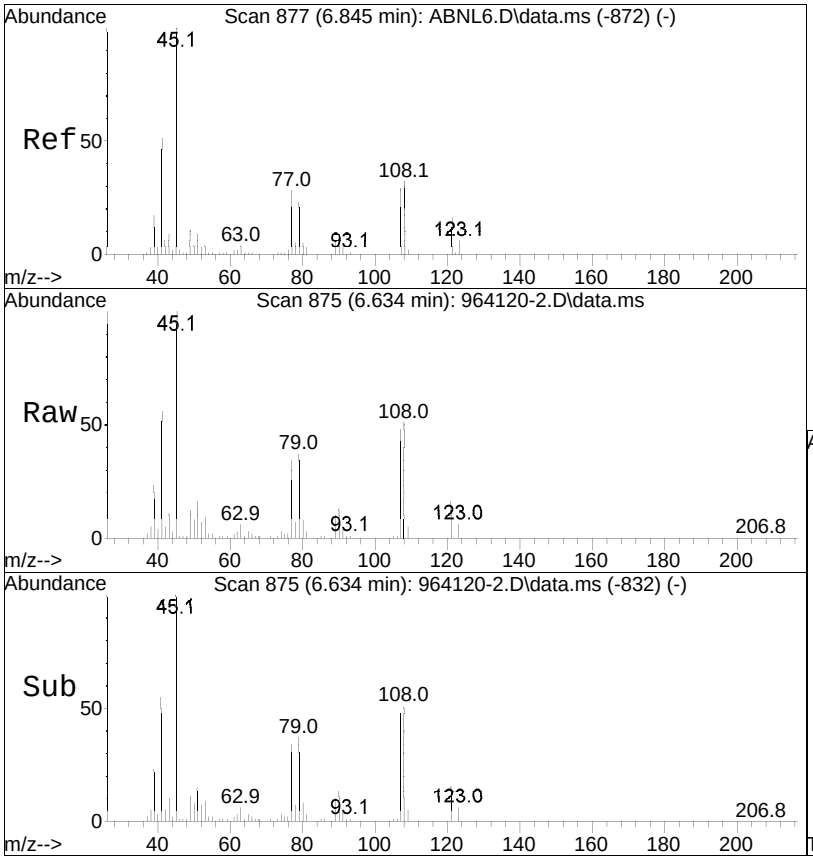


#9
Bis(2-chloroethyl)ether
Concen: 1.55 ug/ml
RT: 5.951 min Scan# 759
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 93 Resp: 17959

Ion	Ratio	Lower	Upper
93	100		
63	130.1	74.6	111.8#
95	28.8	25.9	38.9

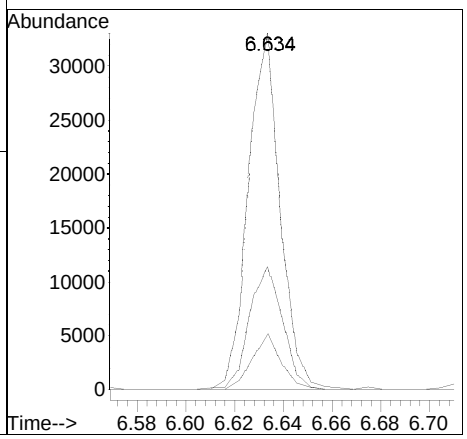


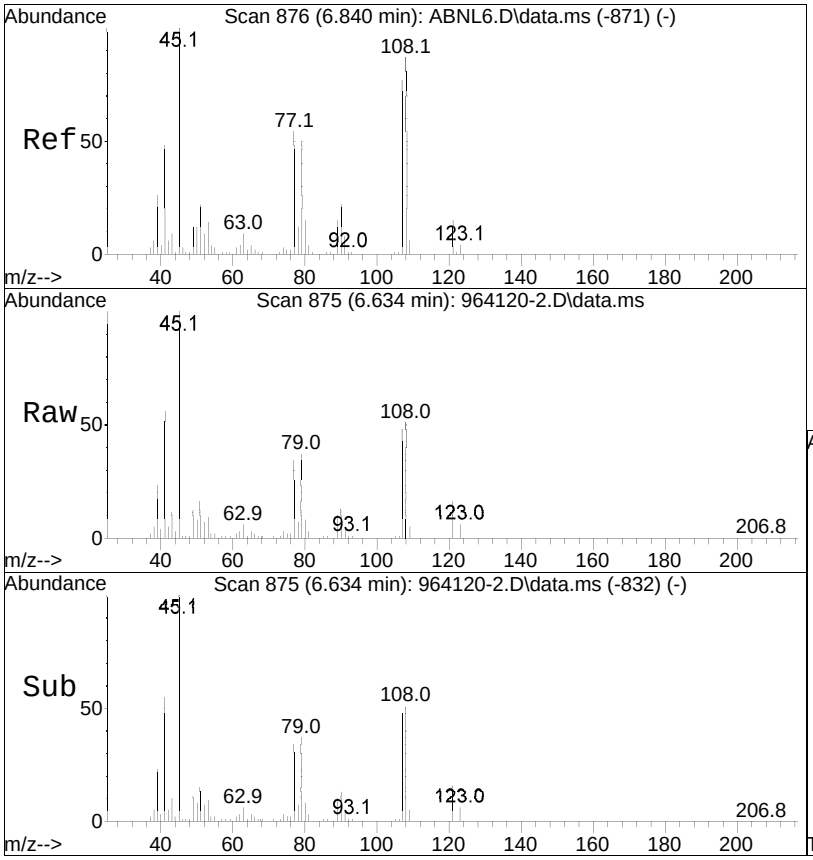


#14
Bis(2-chloroisopropyl)ether
Concen: 1.61 ug/ml
RT: 6.634 min Scan# 875
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 45 Resp: 29941

Ion	Ratio	Lower	Upper
45	100		
121	14.3	9.8	14.6
77	36.2	6.1	9.1#

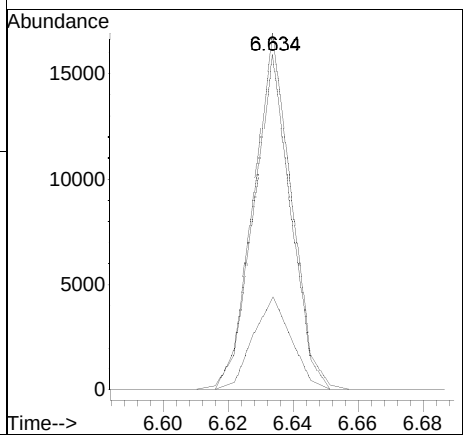


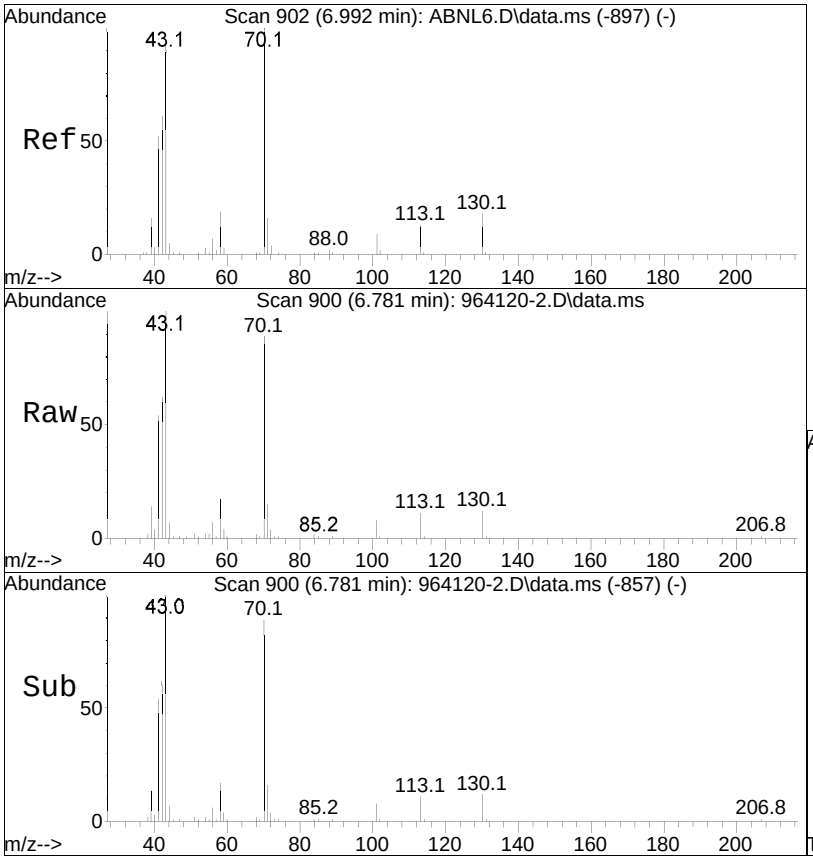


#15
2-Methylphenol
Concen: 1.34 ug/ml
RT: 6.634 min Scan# 875
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:108 Resp: 13641

Ion	Ratio	Lower	Upper
108	100		
107	92.0	70.7	106.1
90	26.3	18.7	28.1

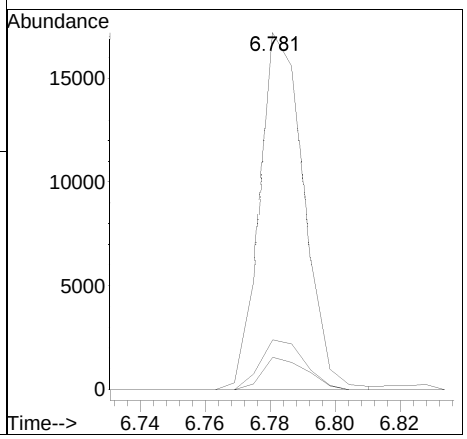


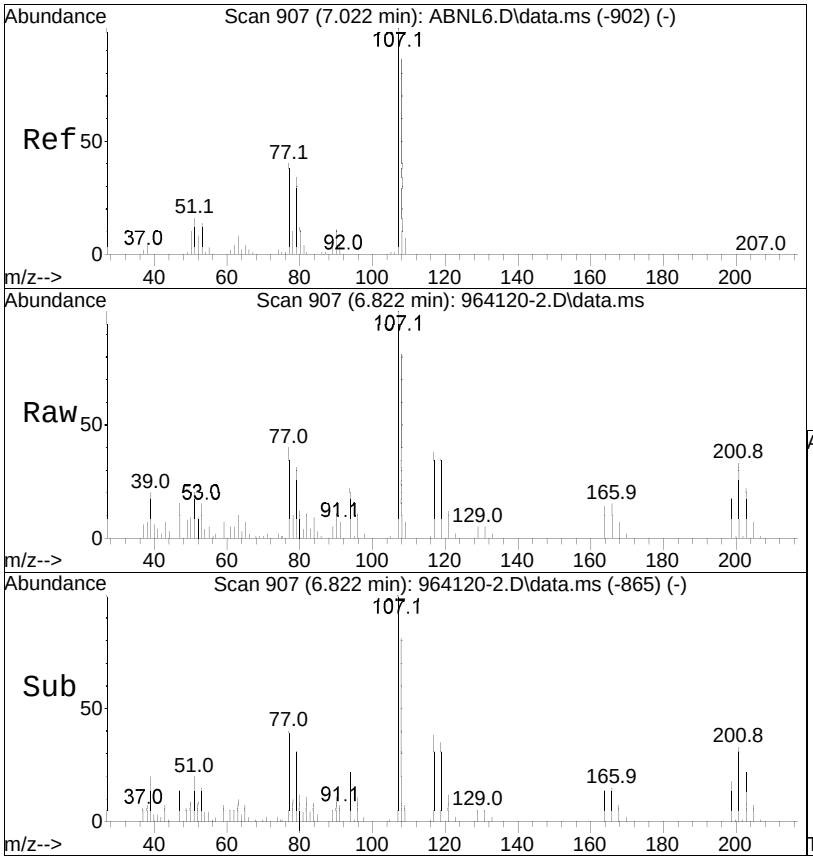


#17
n-Nitrosodi-n-propylamine
Concen: 1.78 ug/ml
RT: 6.781 min Scan# 900
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 70 Resp: 16204

Ion	Ratio	Lower	Upper
70	100		
130	14.1	18.2	27.4#
101	9.0	7.8	11.8

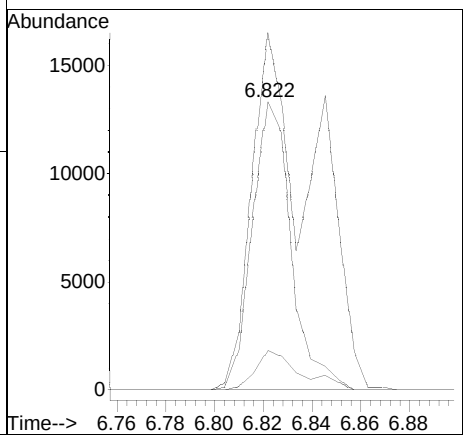


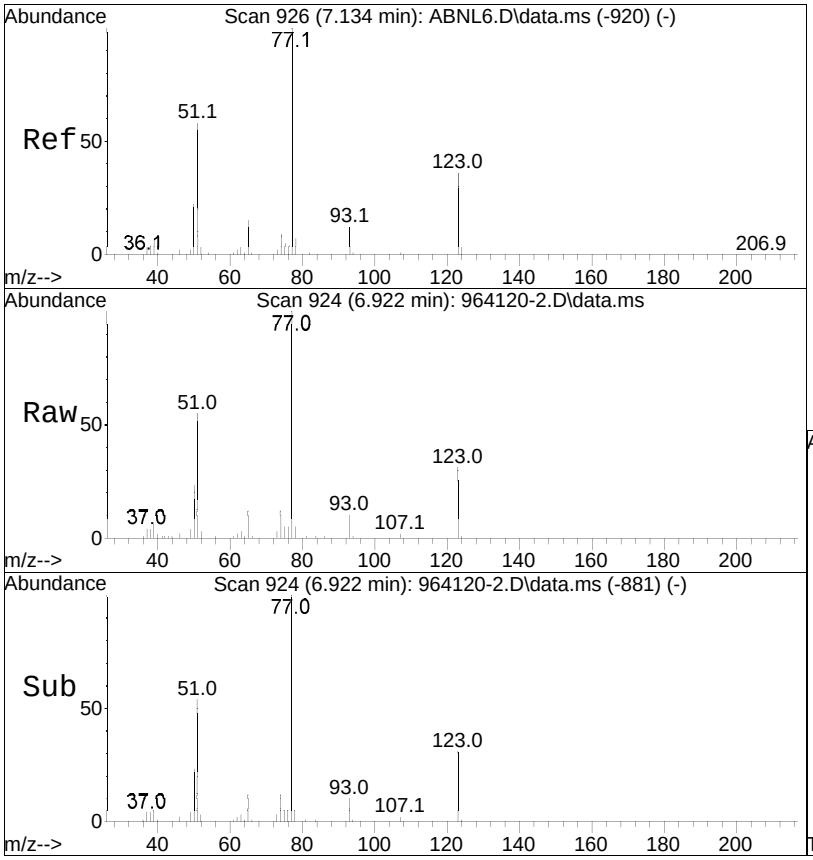


#18
3-Methylphenol/4-Methylphenol
Concen: 1.35 ug/ml
RT: 6.822 min Scan# 907
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:108 Resp: 14825

Ion	Ratio	Lower	Upper
108	100		
107	117.6	88.6	132.8
90	15.9	8.8	13.2#

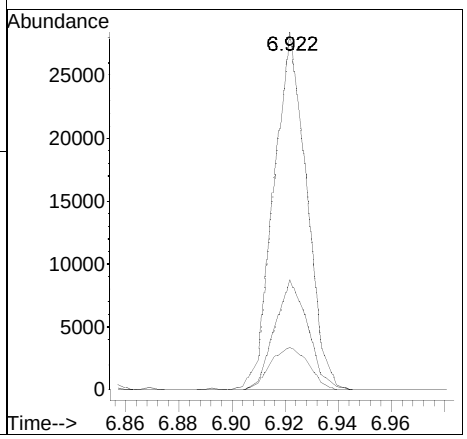


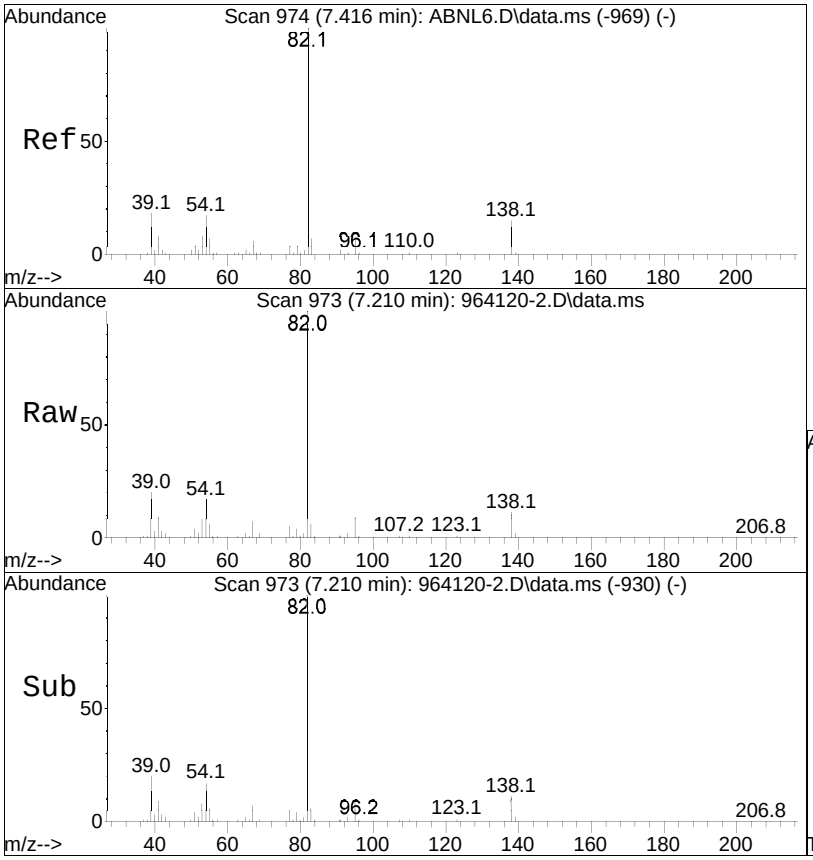


#20
Nitrobenzene
Concen: 1.72 ug/ml
RT: 6.922 min Scan# 924
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 77 Resp: 24295

Ion	Ratio	Lower	Upper
77	100		
123	31.2	36.3	54.5#
65	14.0	11.6	17.4

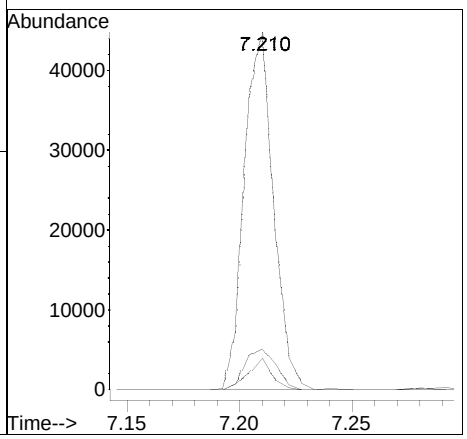


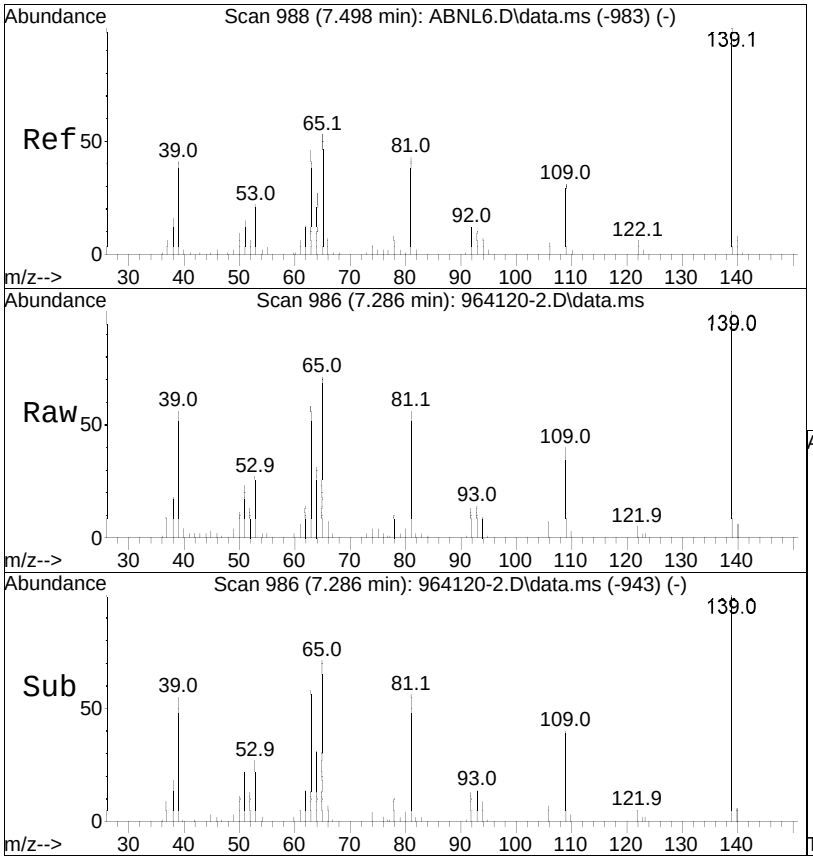


#21
Isophorone
Concen: 1.69 ug/ml
RT: 7.210 min Scan# 973
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 82 Resp: 40109

Ion	Ratio	Lower	Upper
82	100		
138	12.5	14.7	22.1#
95	7.3	5.2	7.8

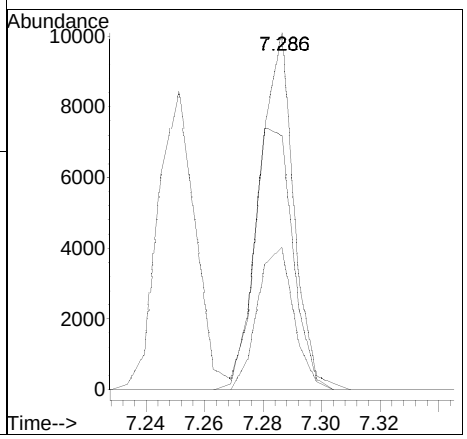


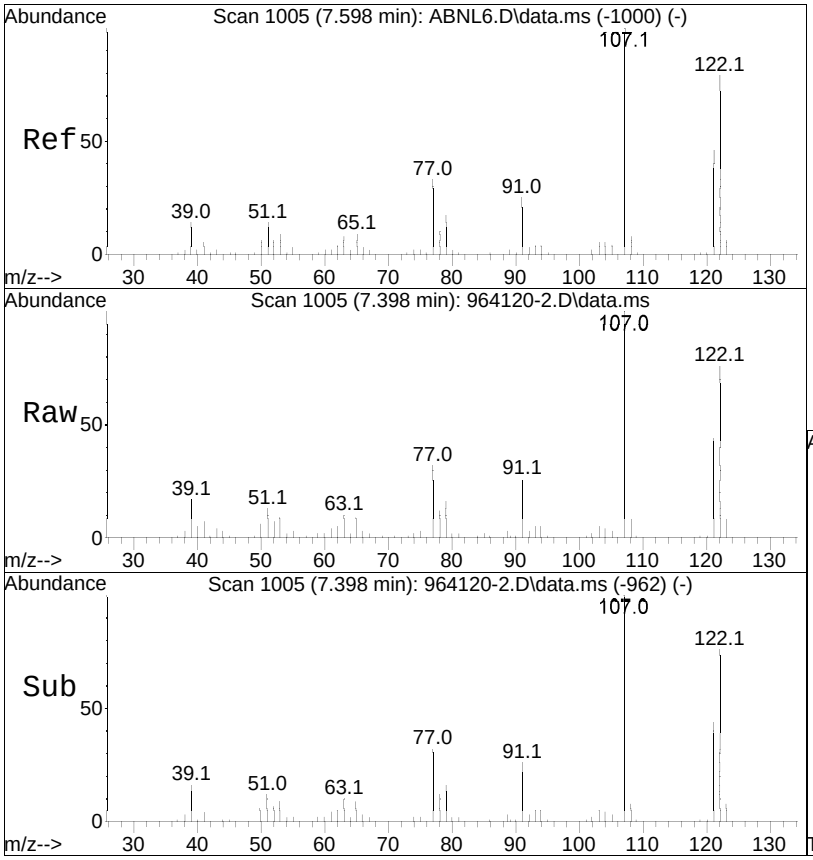


#22
2-Nitrophenol
Concen: 1.39 ug/ml
RT: 7.286 min Scan# 986
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:139 Resp: 8280

Ion	Ratio	Lower	Upper
139	100		
109	42.2	19.4	29.0#
65	81.2	46.1	69.1#

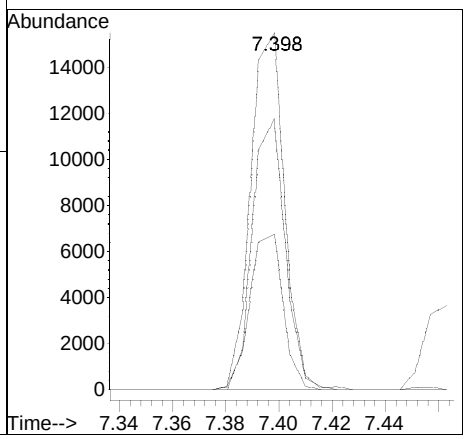


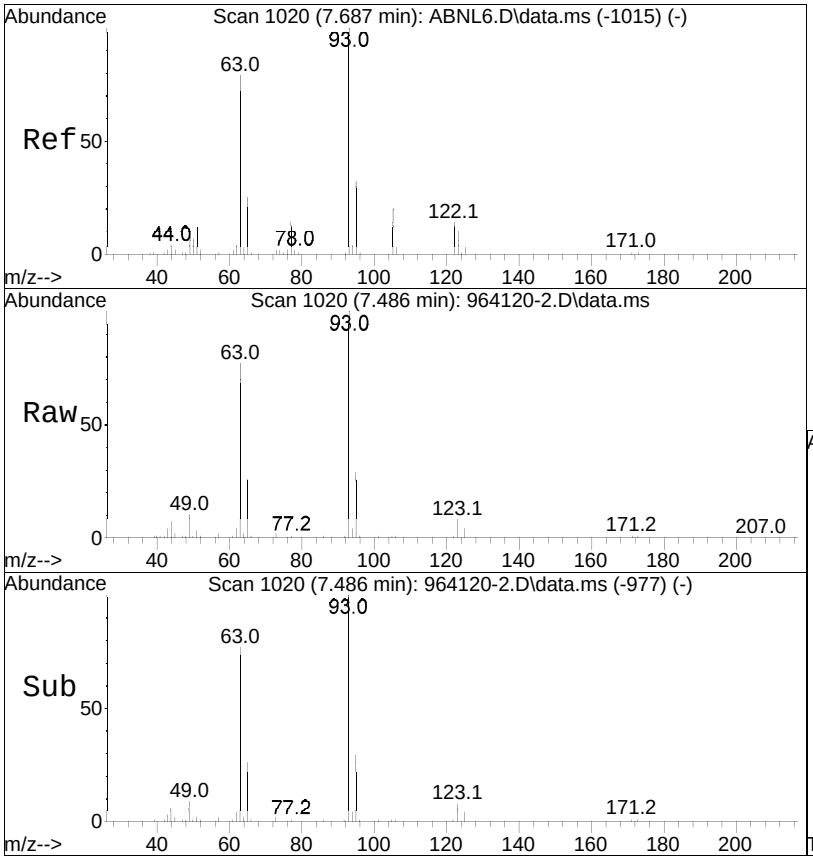


#23
2,4-Dimethylphenol
Concen: 1.22 ug/ml
RT: 7.398 min Scan# 1005
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:107 Resp: 13693

Ion	Ratio	Lower	Upper
107	100		
121	43.2	40.0	60.0
122	73.4	70.2	105.4

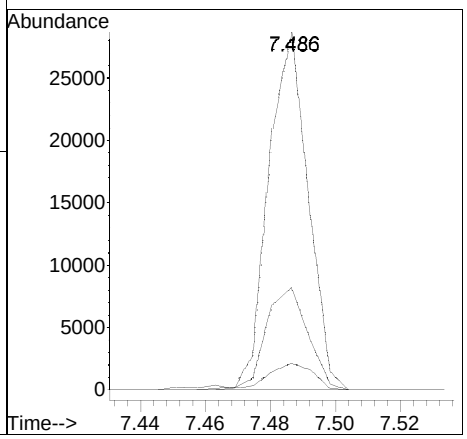


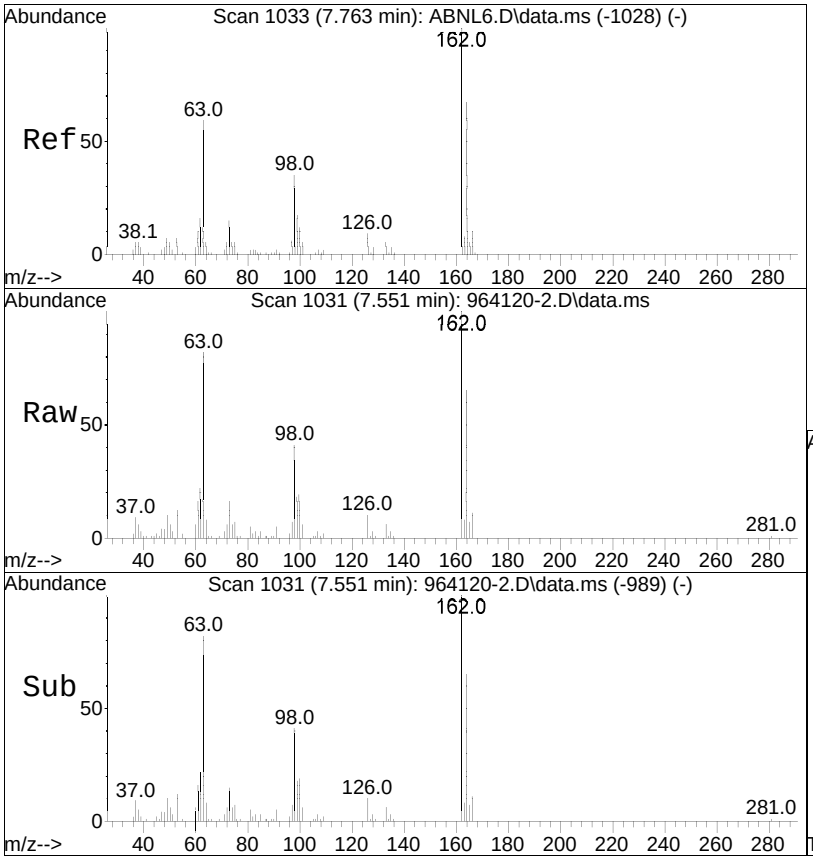


#24
Bis(2-chloroethoxy)methane
Concen: 1.56 ug/ml
RT: 7.486 min Scan# 1020
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 93 Resp: 23879

Ion	Ratio	Lower	Upper
93	100		
95	30.7	25.8	38.8
123	9.9	10.1	15.1#

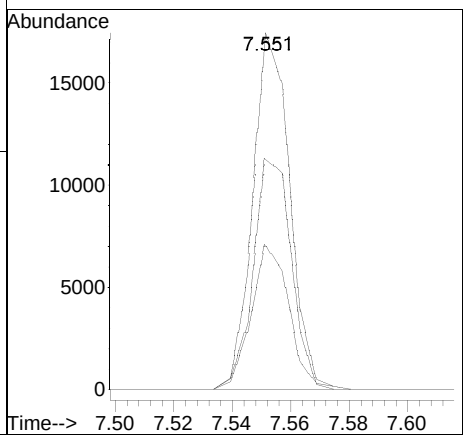


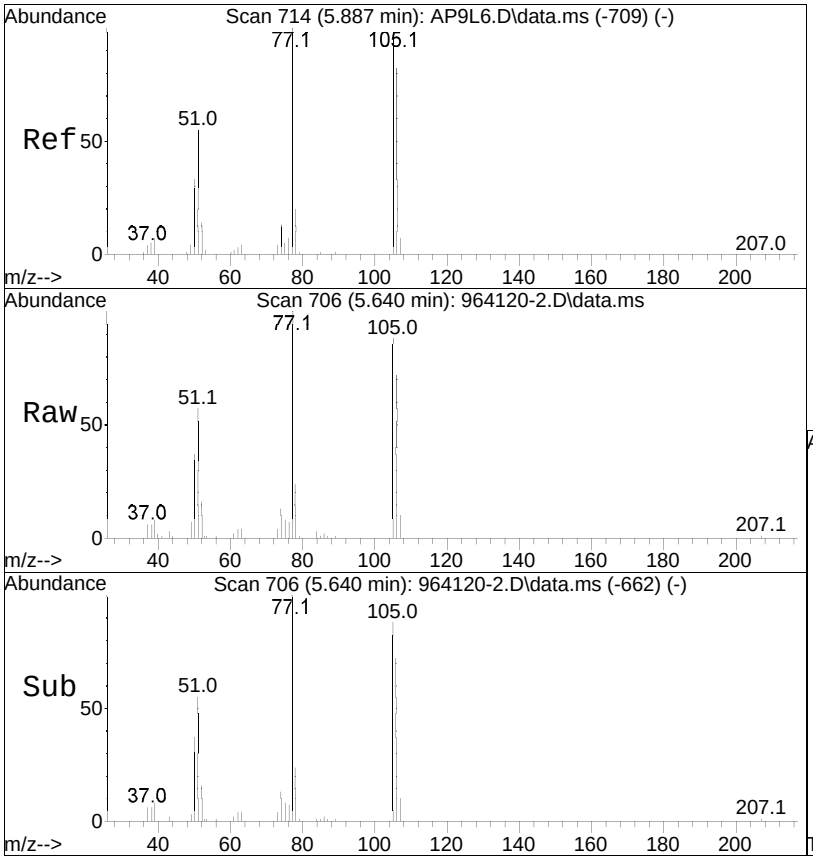


#25
2,4-Dichlorophenol
Concen: 1.44 ug/ml
RT: 7.551 min Scan# 1031
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:162 Resp: 15229

Ion	Ratio	Lower	Upper
162	100		
164	67.1	51.0	76.4
98	41.8	32.2	48.2

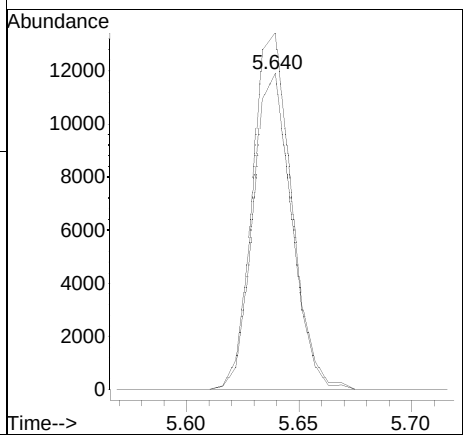


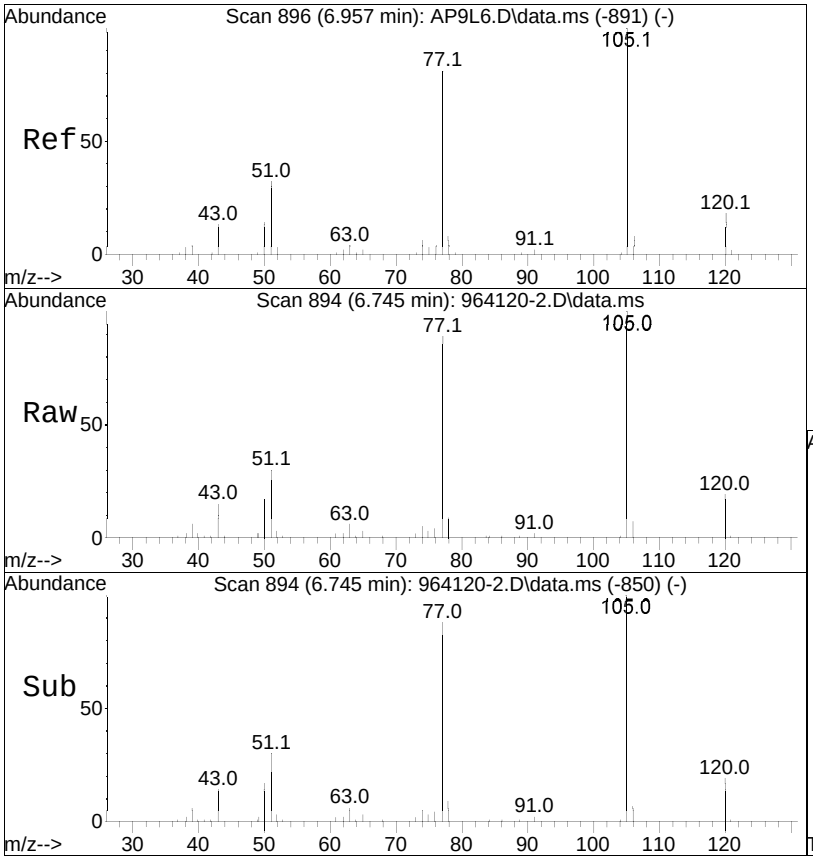


#28
Benzaldehyde
Concen: 1.39 ug/ml
RT: 5.640 min Scan# 706
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:105 Resp: 14163

Ion	Ratio	Lower	Upper
105	100		
77	114.4	82.2	123.4

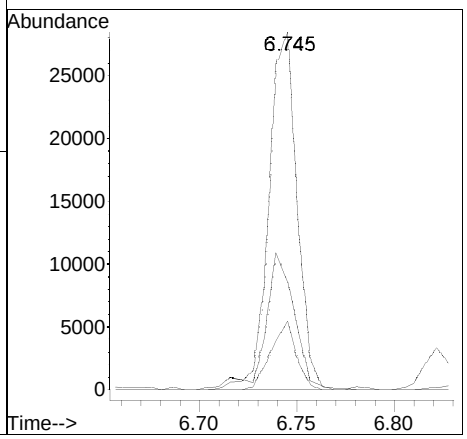


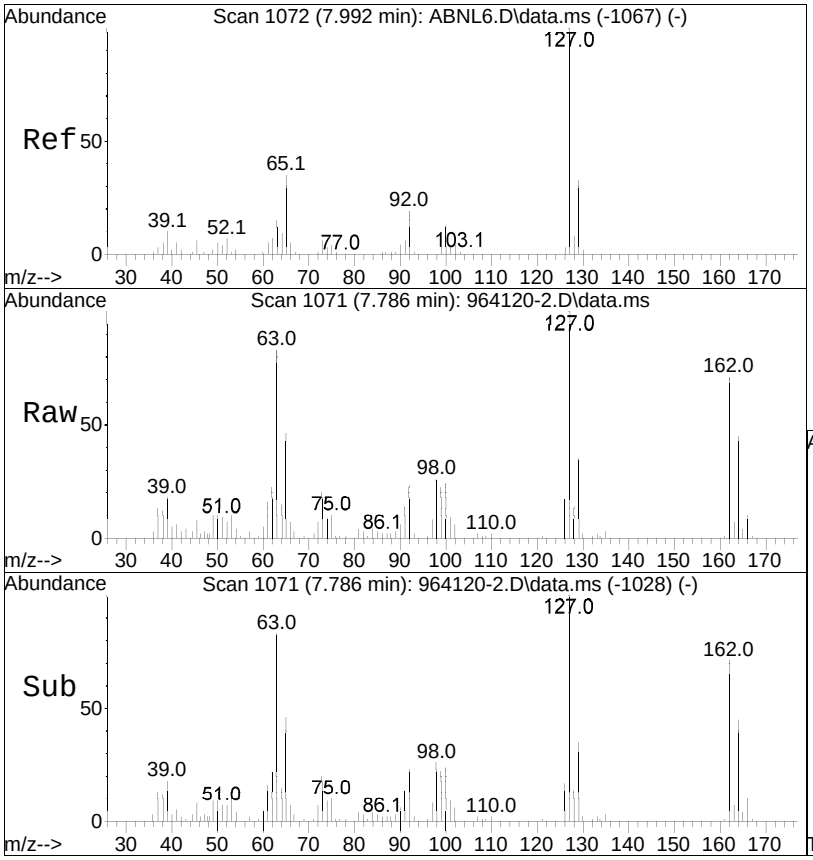


#29
Acetophenone
Concen: 1.53 ug/ml
RT: 6.745 min Scan# 894
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:105 Resp: 28336

Ion	Ratio	Lower	Upper
105	100		
120	17.5	20.5	30.7#
51	39.8	34.9	52.3

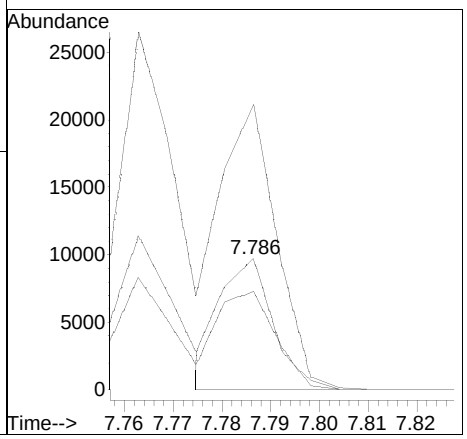


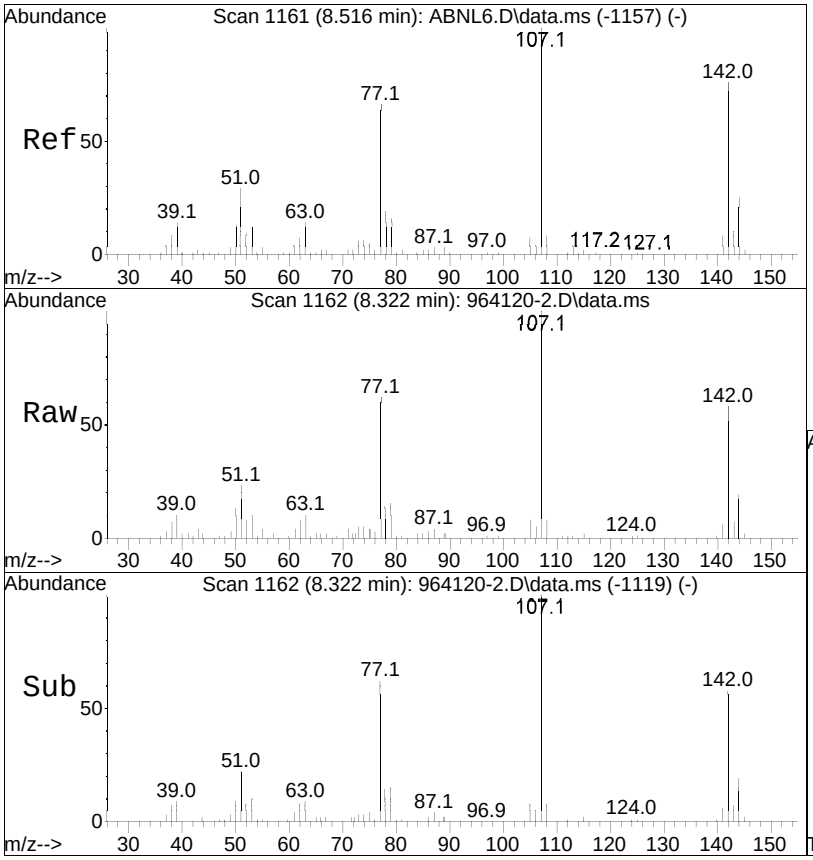


#38
4-Chloroaniline
Concen: 1.42 ug/ml
RT: 7.786 min Scan# 1071
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 65 Resp: 7364

Ion	Ratio	Lower	Upper
65	100		
127	228.7	237.6	356.4#
129	82.2	76.3	114.5

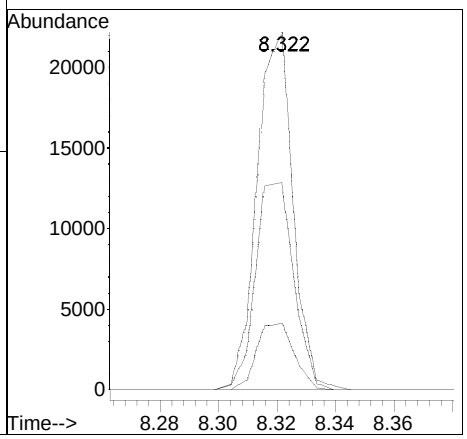


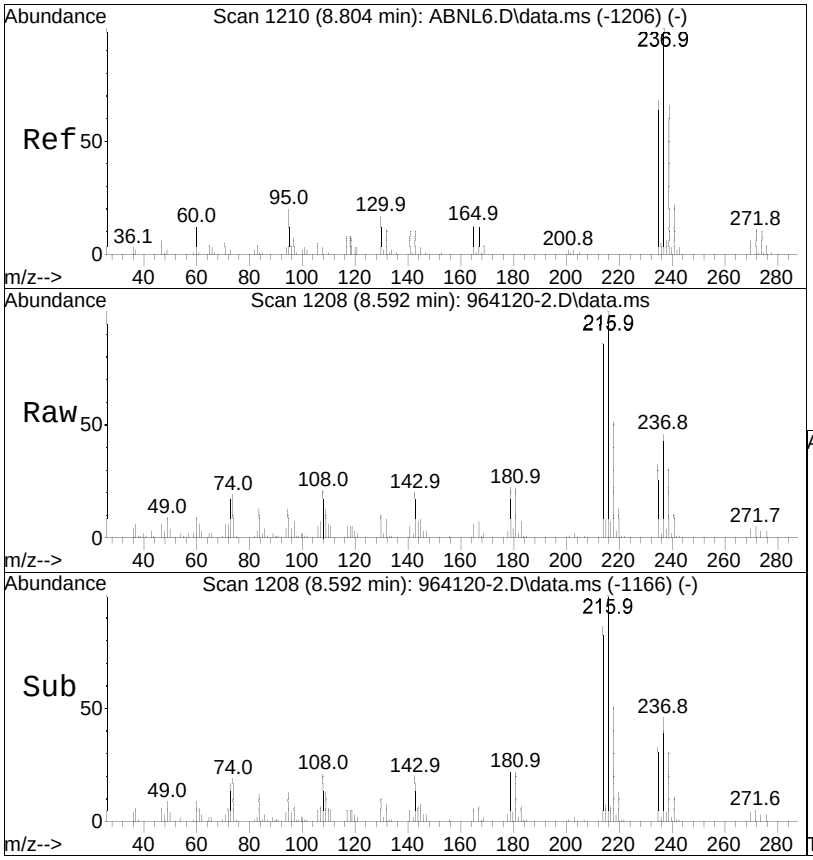


#40
p-Chloro-m-cresol
Concen: 1.79 ug/ml
RT: 8.322 min Scan# 1162
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:107 Resp: 18718

Ion	Ratio	Lower	Upper
107	100		
144	19.6	20.9	31.3#
142	62.0	66.1	99.1#

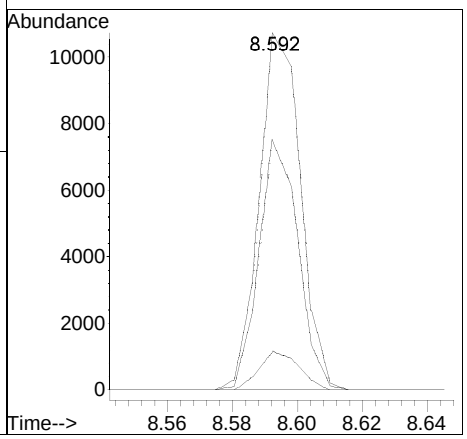


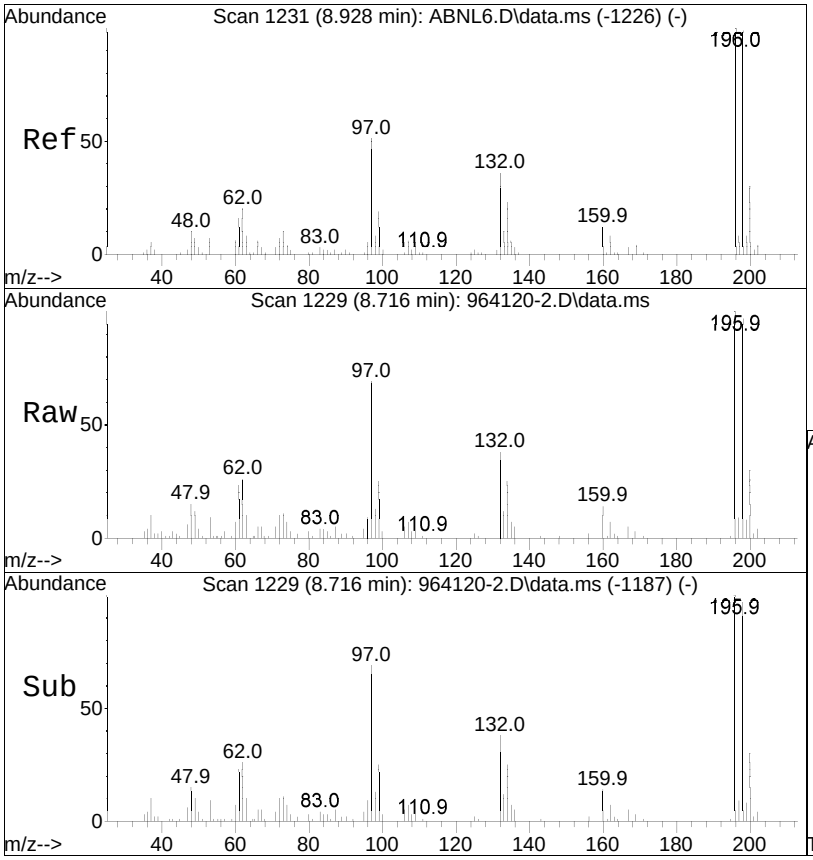


#43
Hexachlorocyclopentadiene
Concen: 0.92 ug/ml
RT: 8.592 min Scan# 1208
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:237 Resp: 9434

Ion	Ratio	Lower	Upper
237	100		
235	66.4	49.7	74.5
272	10.6	9.8	14.6

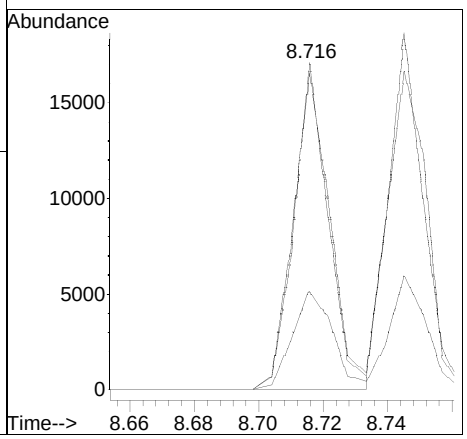


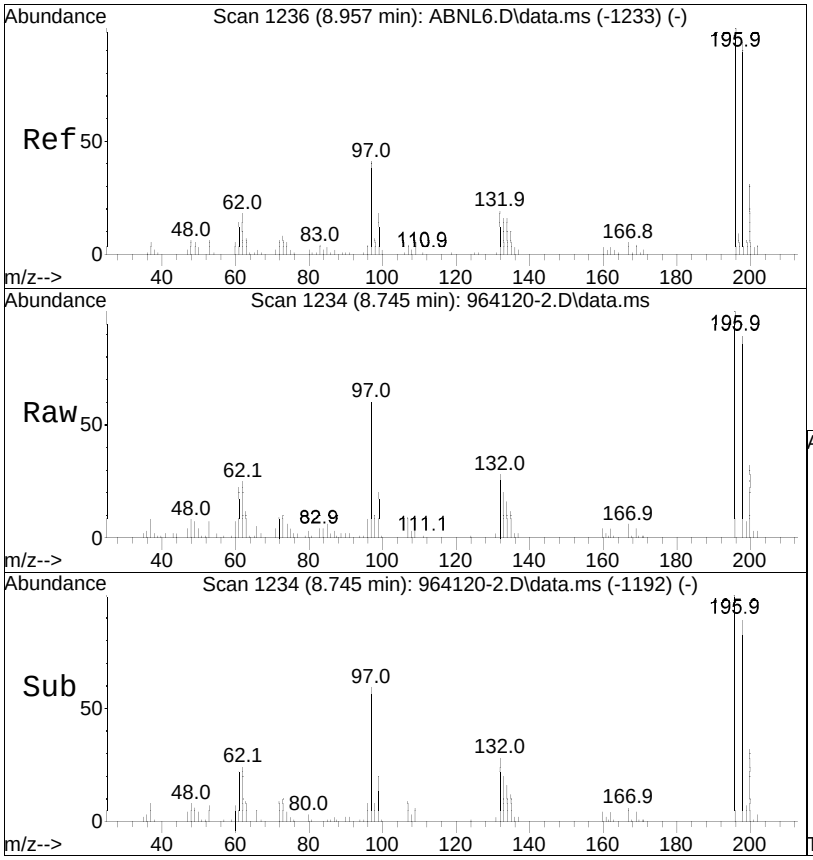


#44
2,4,6-Trichlorophenol
Concen: 1.37 ug/ml M3
RT: 8.716 min Scan# 1229
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:196 Resp: 12587

Ion	Ratio	Lower	Upper
196	100		
198	110.7	77.5	116.3
200	37.1	23.8	35.6#

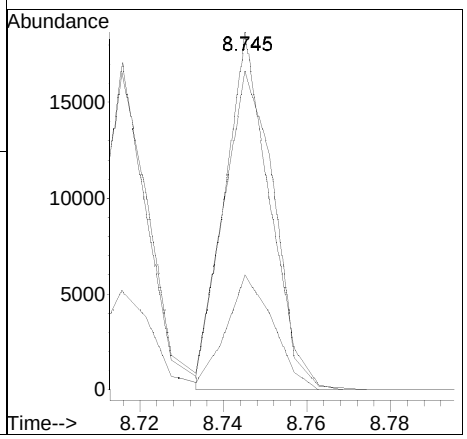


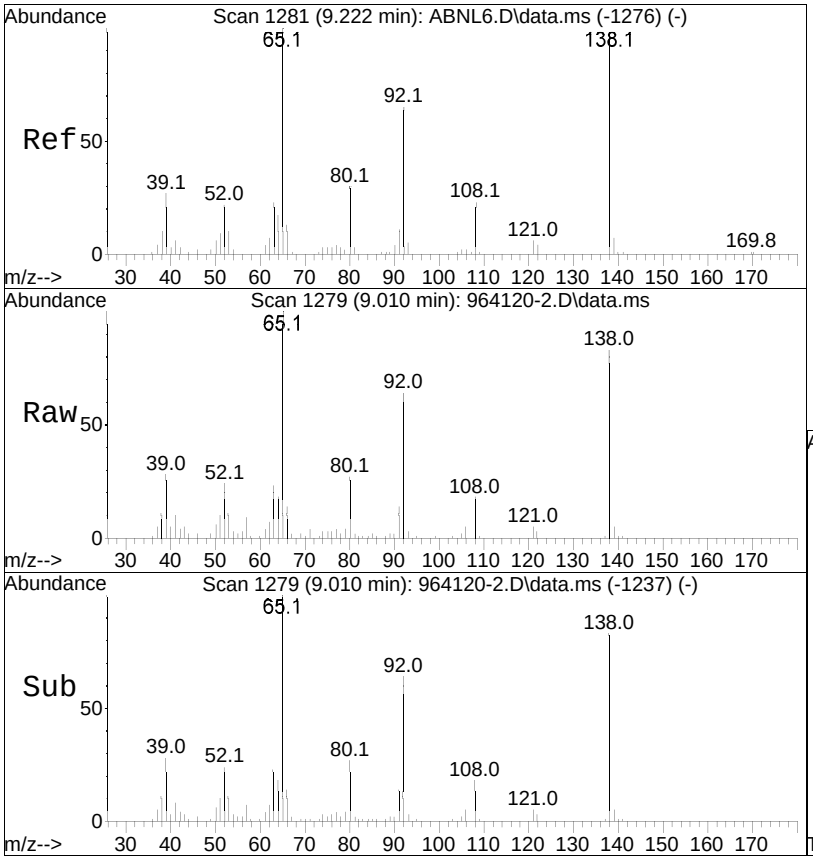


#45
2,4,5-Trichlorophenol
Concen: 1.41 ug/ml
RT: 8.745 min Scan# 1234
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:196 Resp: 13879

Ion	Ratio	Lower	Upper
196	100		
200	33.6	25.4	38.0
198	100.4	78.0	117.0

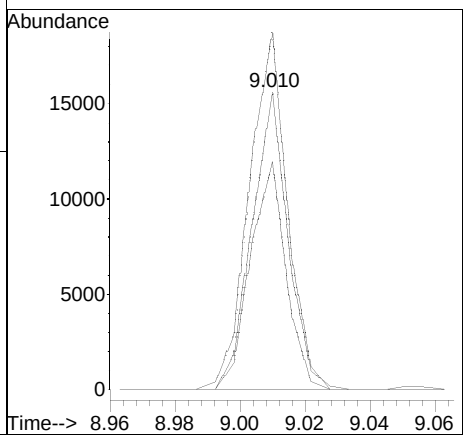


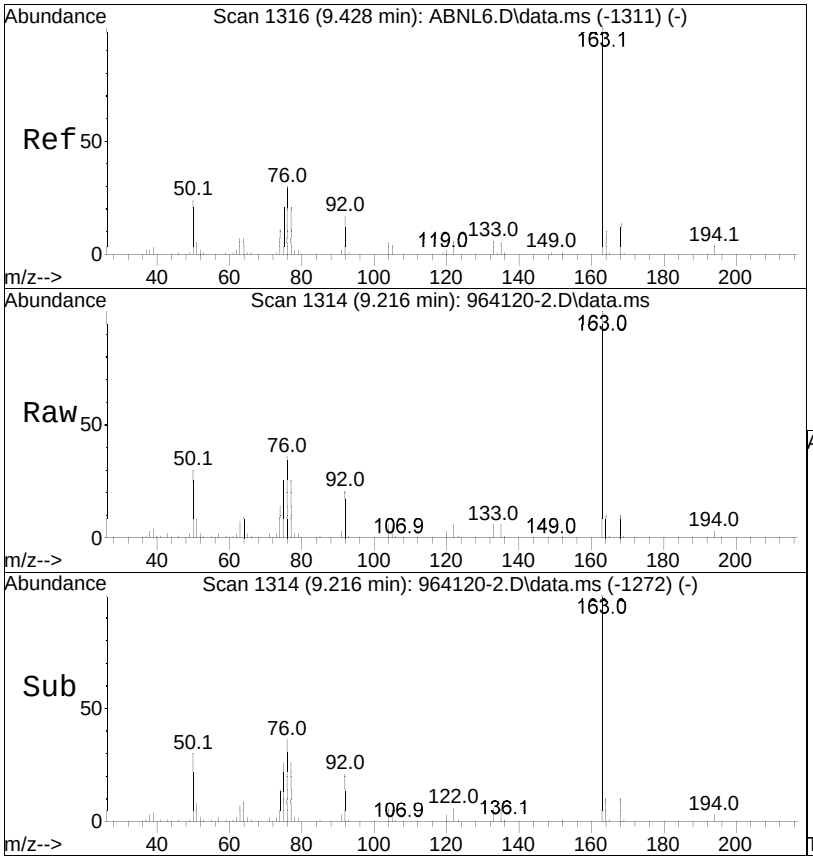


#48
2-Nitroaniline
Concen: 1.59 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:138 Resp: 11910

Ion	Ratio	Lower	Upper
138	100		
92	75.7	53.5	80.3
65	127.0	86.3	129.5

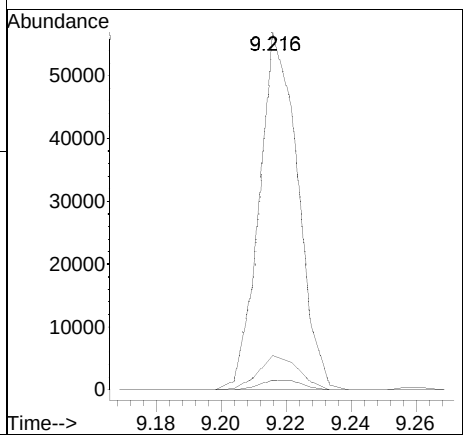


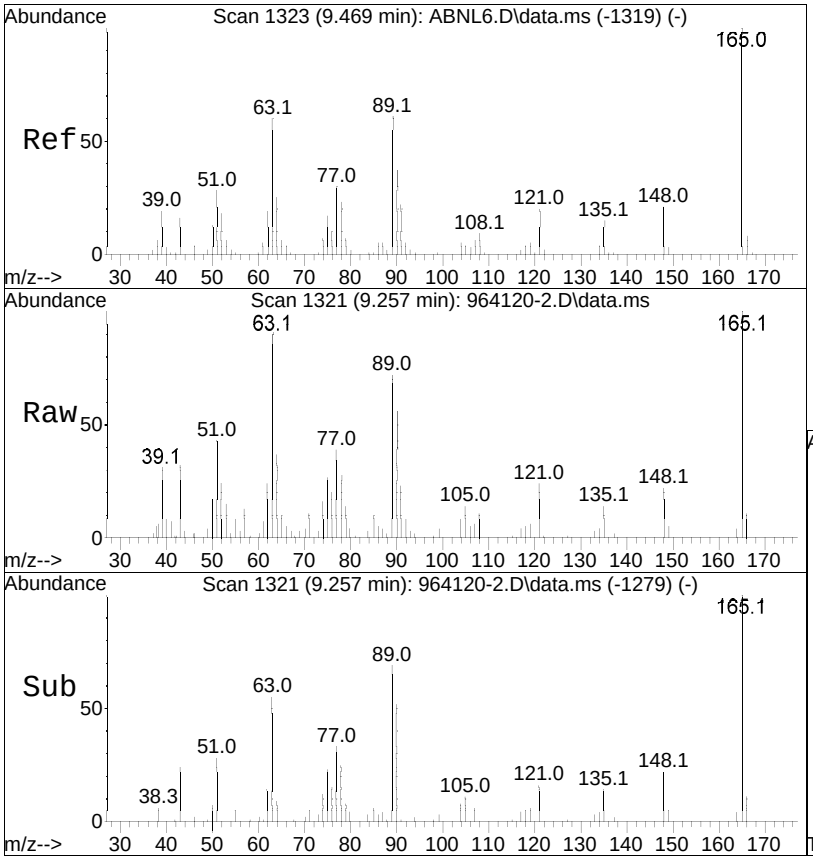


#51
Dimethyl phthalate
Concen: 1.53 ug/ml
RT: 9.216 min Scan# 1314
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:163 Resp: 46291

Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.5	5.3#
164	10.0	7.9	11.9

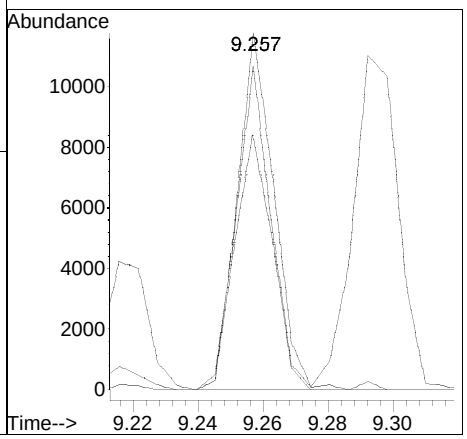


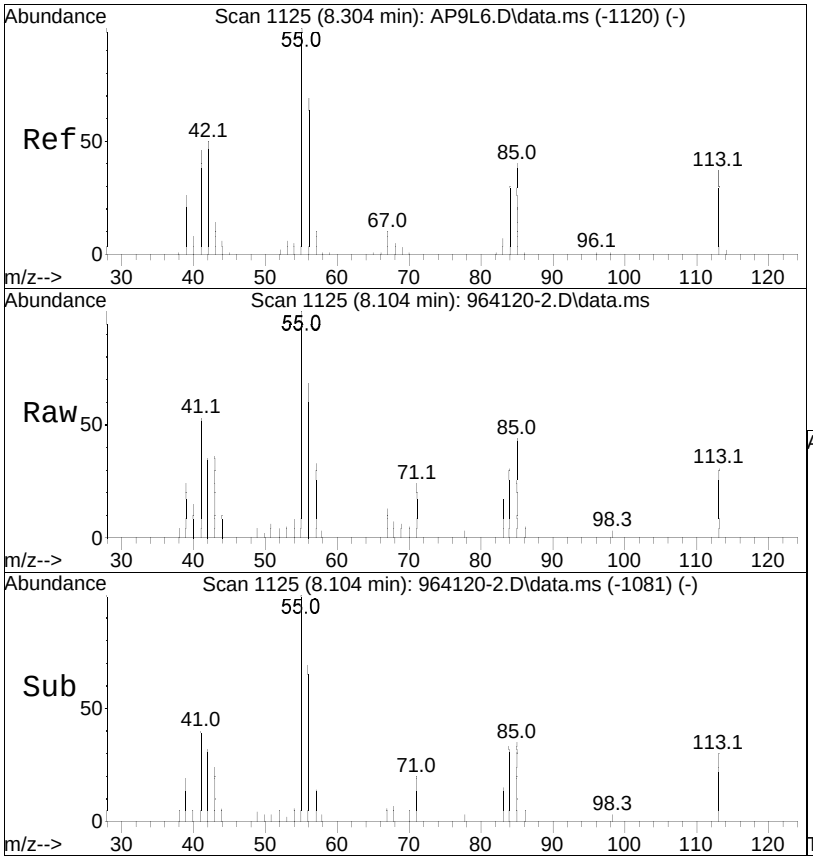


#53
2,6-Dinitrotoluene
Concen: 1.43 ug/ml
RT: 9.257 min Scan# 1321
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:165 Resp: 9288

Ion	Ratio	Lower	Upper
165	100		
89	72.8	54.2	81.2
63	85.5	64.2	96.2

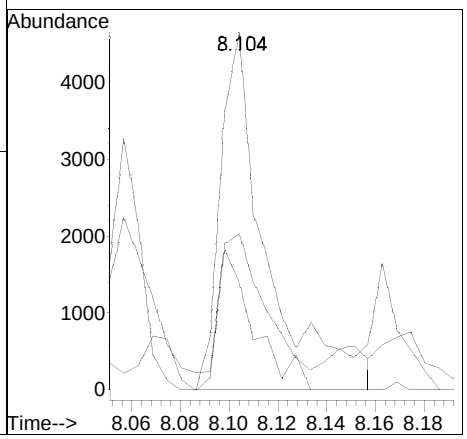


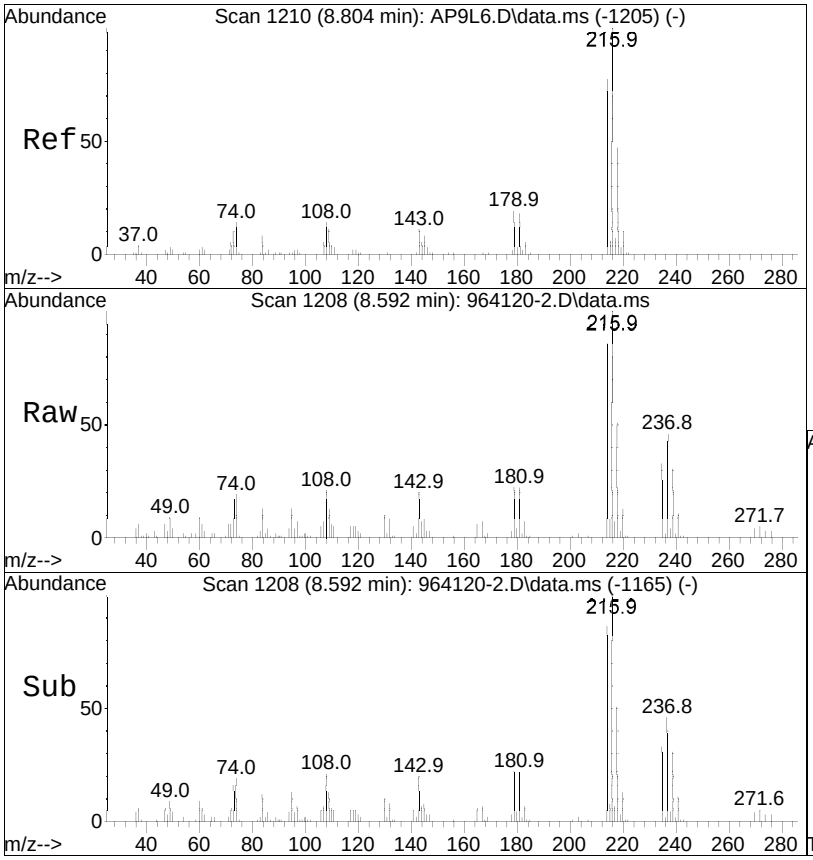


#60
Caprolactam
Concen: 0.96 ug/ml
RT: 8.104 min Scan# 1125
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 55 Resp: 6148

Ion	Ratio	Lower	Upper
55	100		
85	39.7	19.8	29.6#
113	30.7	29.6	44.4

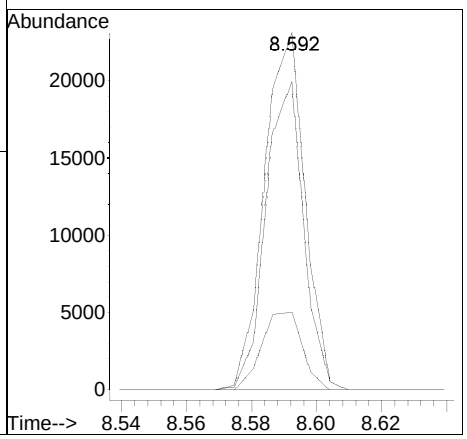


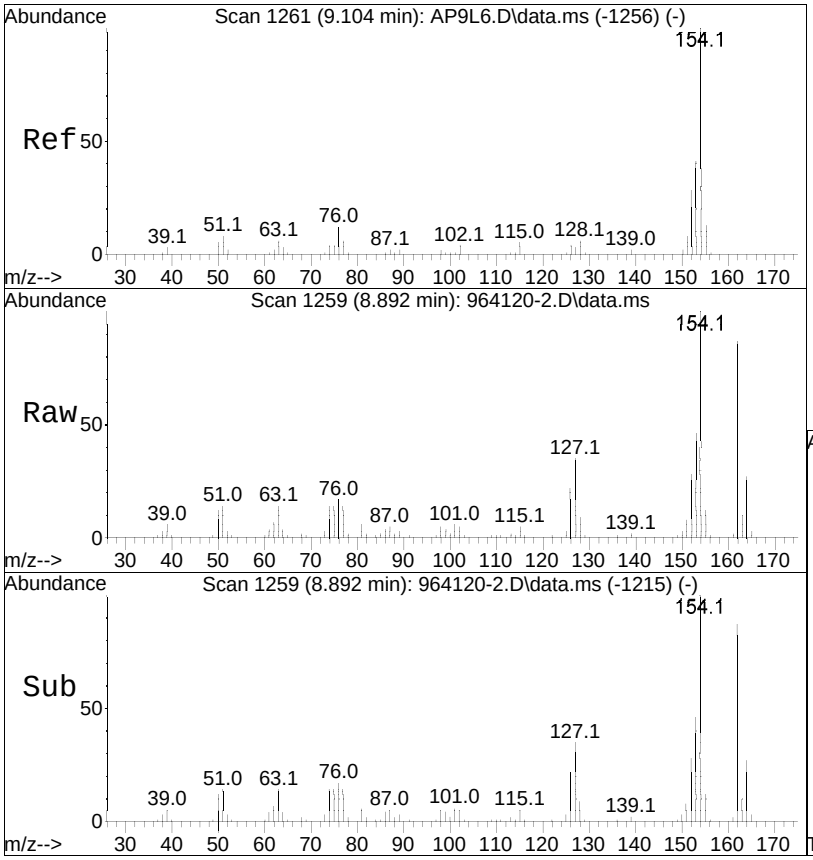


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.19 ug/ml
RT: 8.592 min Scan# 1208
Delta R.T. 0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:216 Resp: 20025

Ion	Ratio	Lower	Upper
216	100		
214	80.4	63.7	95.5
179	21.9	19.0	28.6

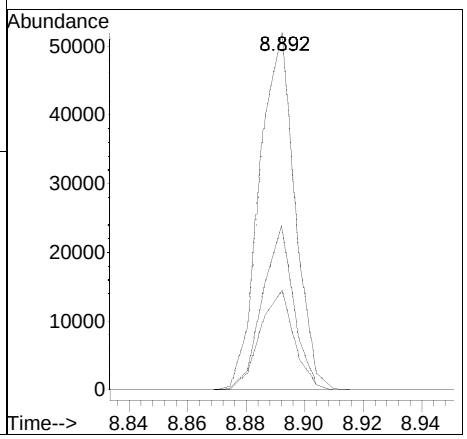


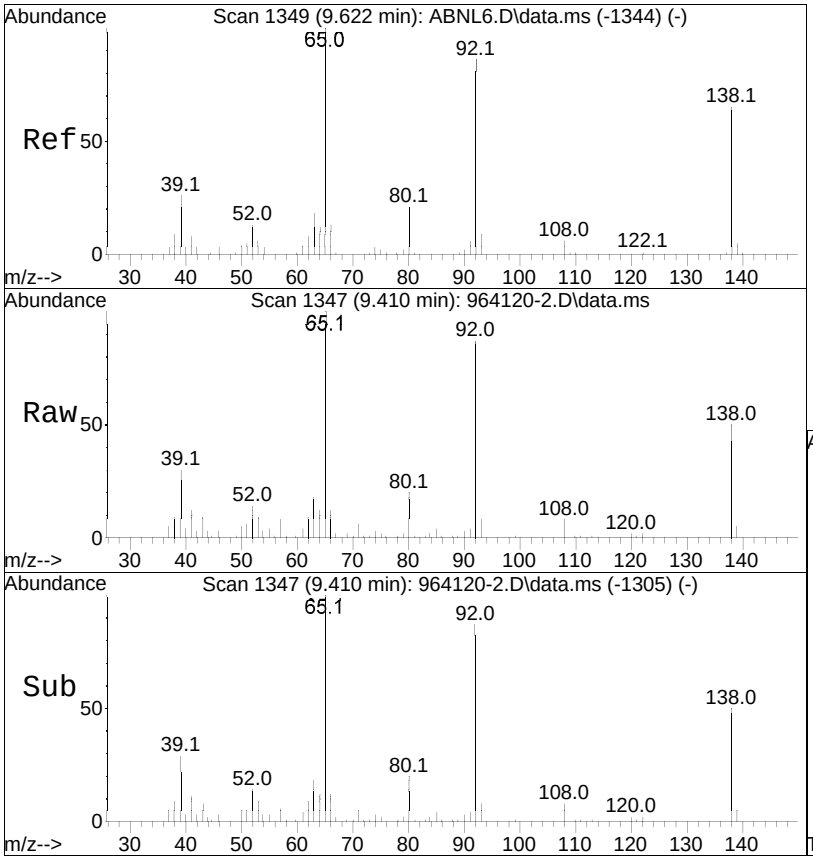


#62
Biphenyl
Concen: 1.31 ug/ml
RT: 8.892 min Scan# 1259
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:154 Resp: 43490

Ion	Ratio	Lower	Upper
154	100		
153	40.9	32.3	48.5
152	27.1	22.5	33.7

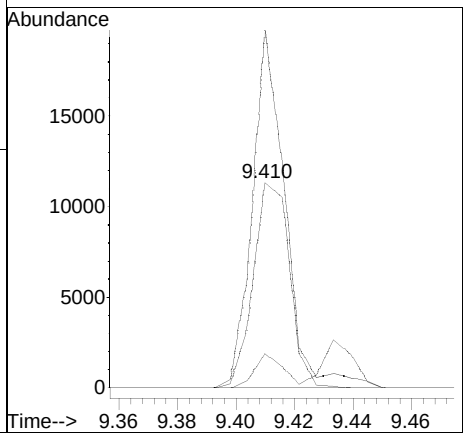


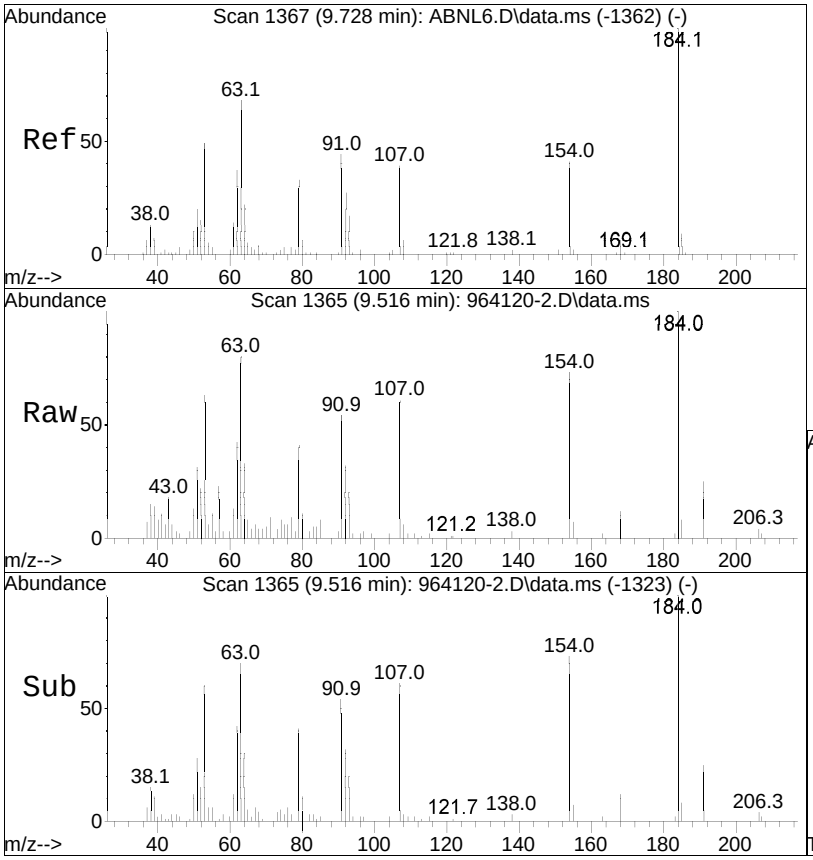


#64
3-Nitroaniline
Concen: 1.55 ug/ml
RT: 9.410 min Scan# 1347
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:138 Resp: 9722

Ion	Ratio	Lower	Upper
138	100		
92	156.4	93.4	140.2#
108	13.4	9.5	14.3

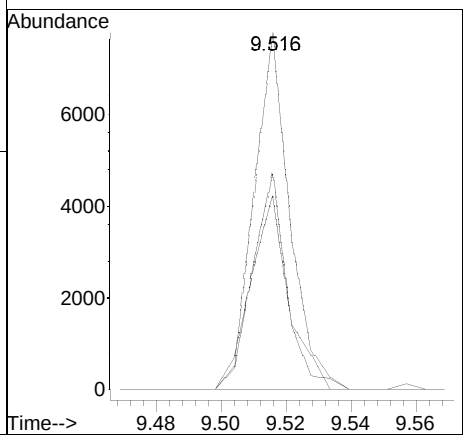


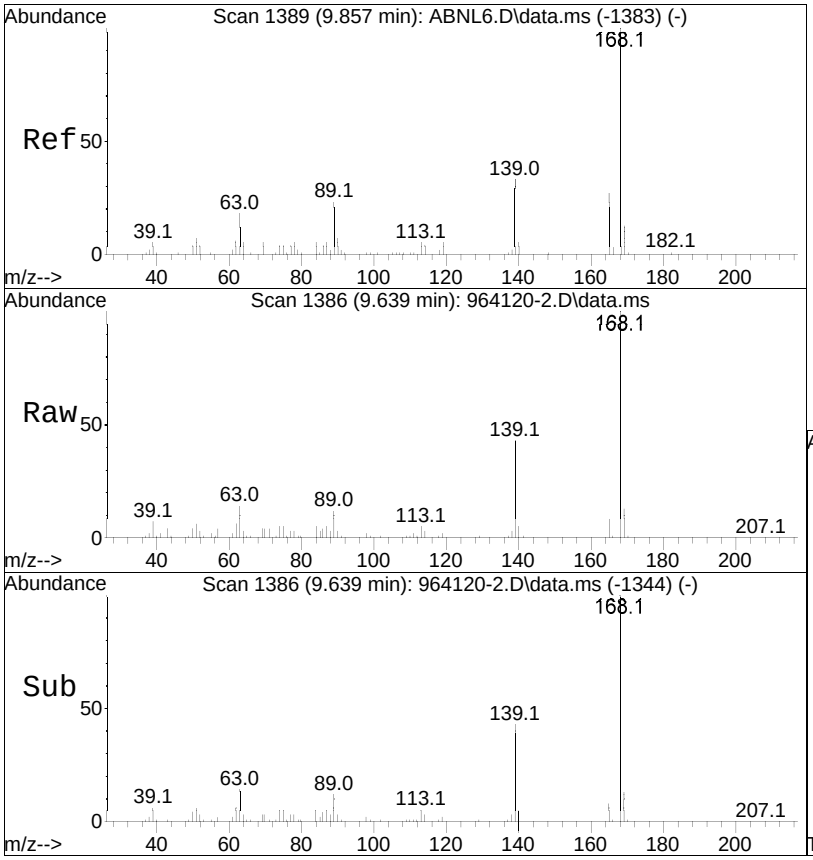


#66
2,4-Dinitrophenol
Concen: 1.41 ug/ml
RT: 9.516 min Scan# 1365
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:184 Resp: 5941

Ion	Ratio	Lower	Upper
184	100		
107	58.6	37.7	56.5#
91	58.1	46.3	69.5

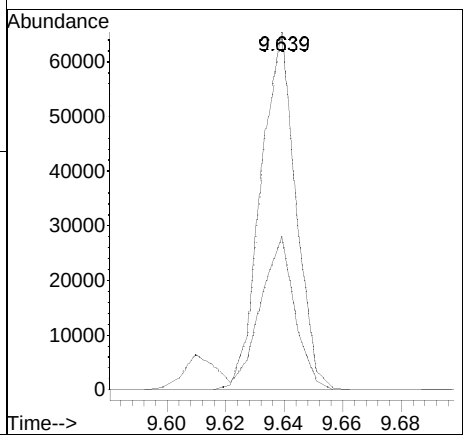


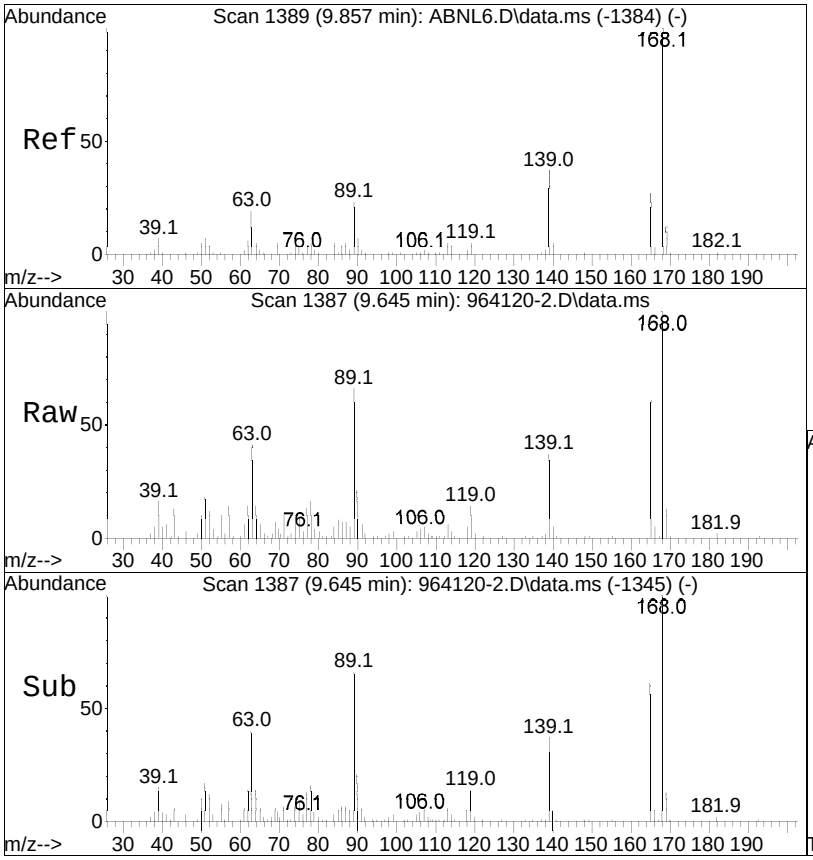


#67
Dibenzofuran
Concen: 1.41 ug/ml
RT: 9.639 min Scan# 1386
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:168 Resp: 53904

Ion	Ratio	Lower	Upper
168	100		
139	41.9	31.4	47.2

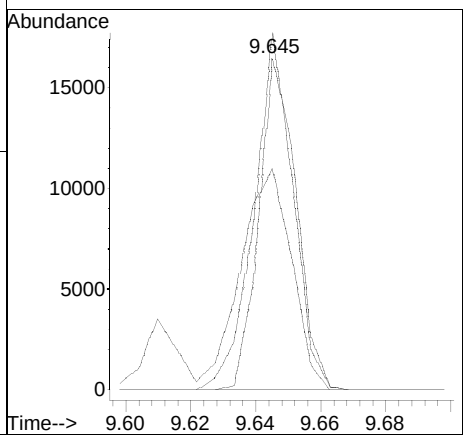


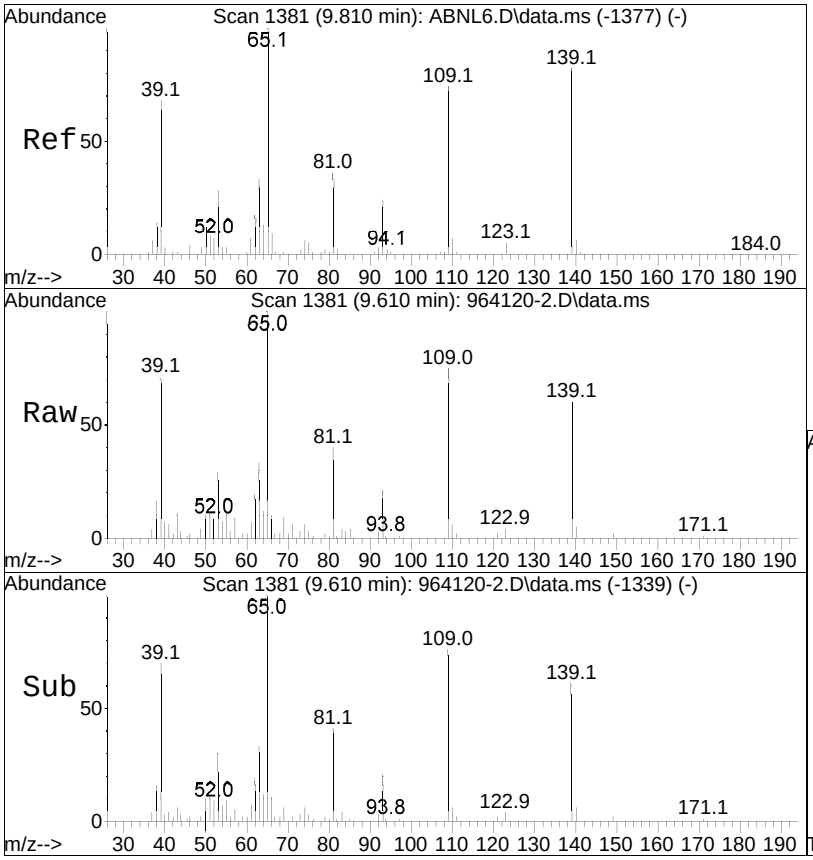


#68
2,4-Dinitrotoluene
Concen: 1.39 ug/ml
RT: 9.645 min Scan# 1387
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:165 Resp: 12991

Ion	Ratio	Lower	Upper
165	100		
89	112.7	72.0	108.0#
63	91.3	52.7	79.1#

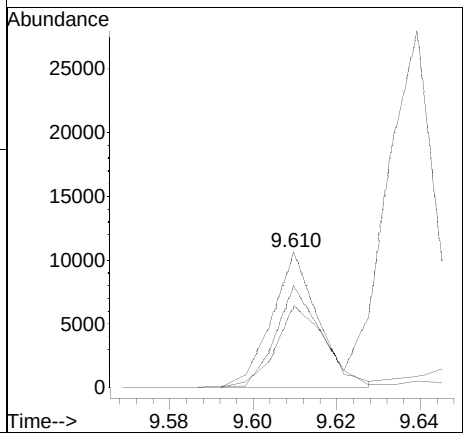


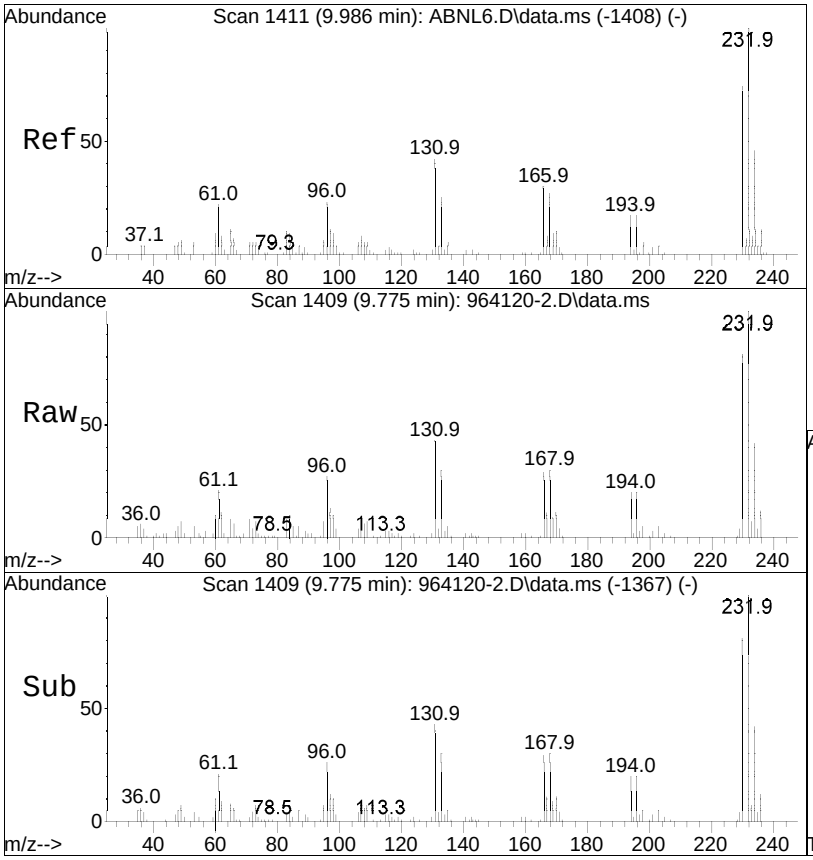


#69
4-Nitrophenol
Concen: 1.29 ug/ml
RT: 9.610 min Scan# 1381
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion: 65 Resp: 8197

Ion	Ratio	Lower	Upper
65	100		
109	75.4	47.4	71.2#
139	64.1	76.6	115.0#

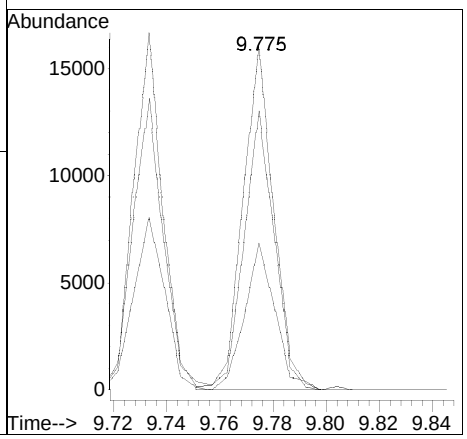


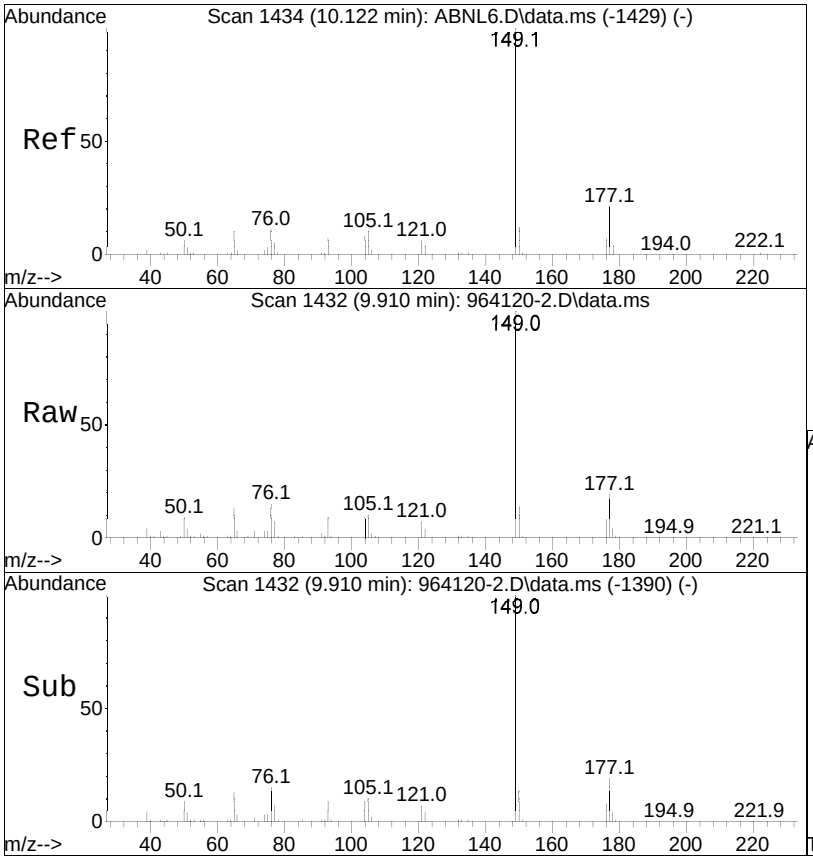


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.50 ug/ml
RT: 9.775 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:232 Resp: 12876

Ion	Ratio	Lower	Upper
232	100		
230	79.2	61.8	92.8
234	42.3	36.2	54.2

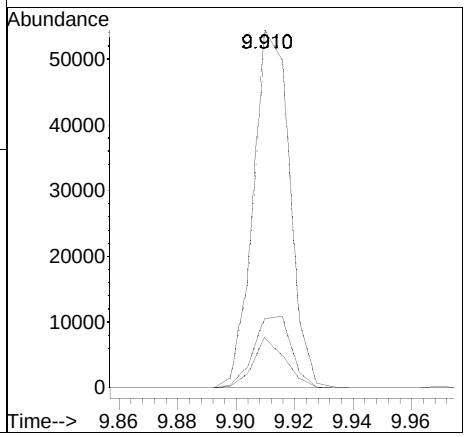


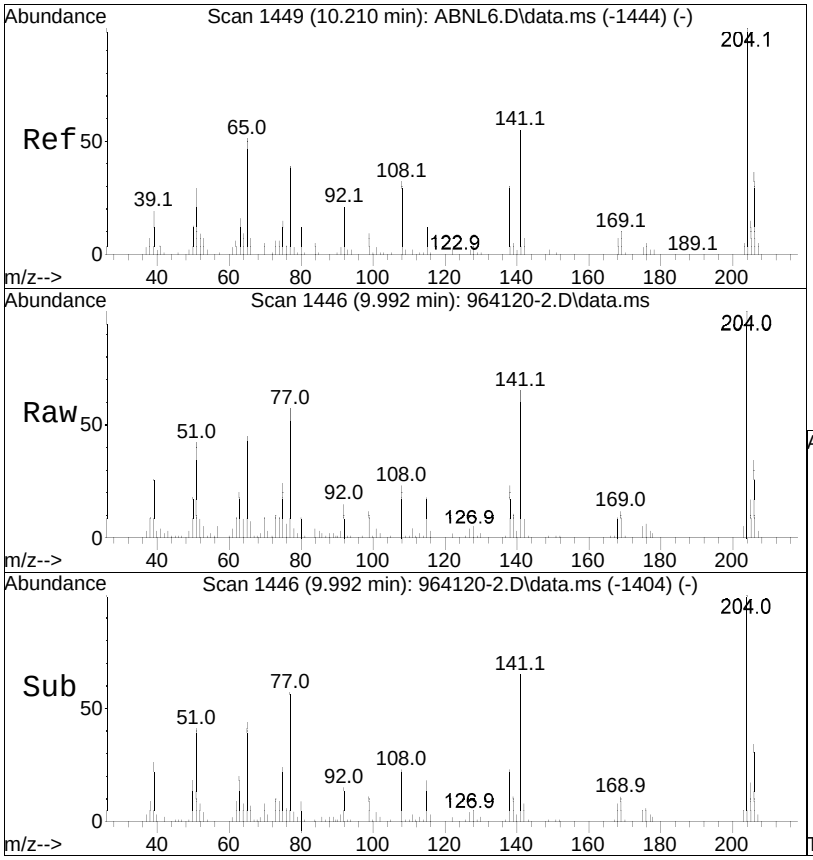


#72
Diethyl phthalate
Concen: 1.55 ug/ml
RT: 9.910 min Scan# 1432
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:149 Resp: 46718

Ion	Ratio	Lower	Upper
149	100		
177	20.9	16.1	24.1
150	12.6	9.4	14.2

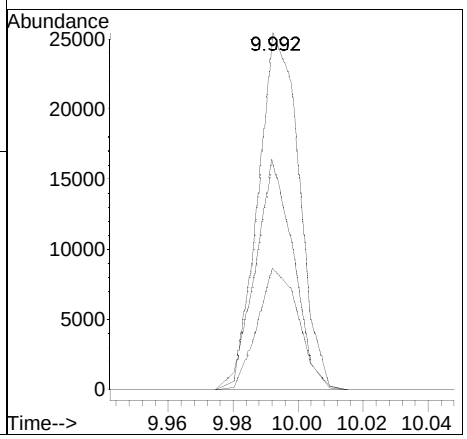


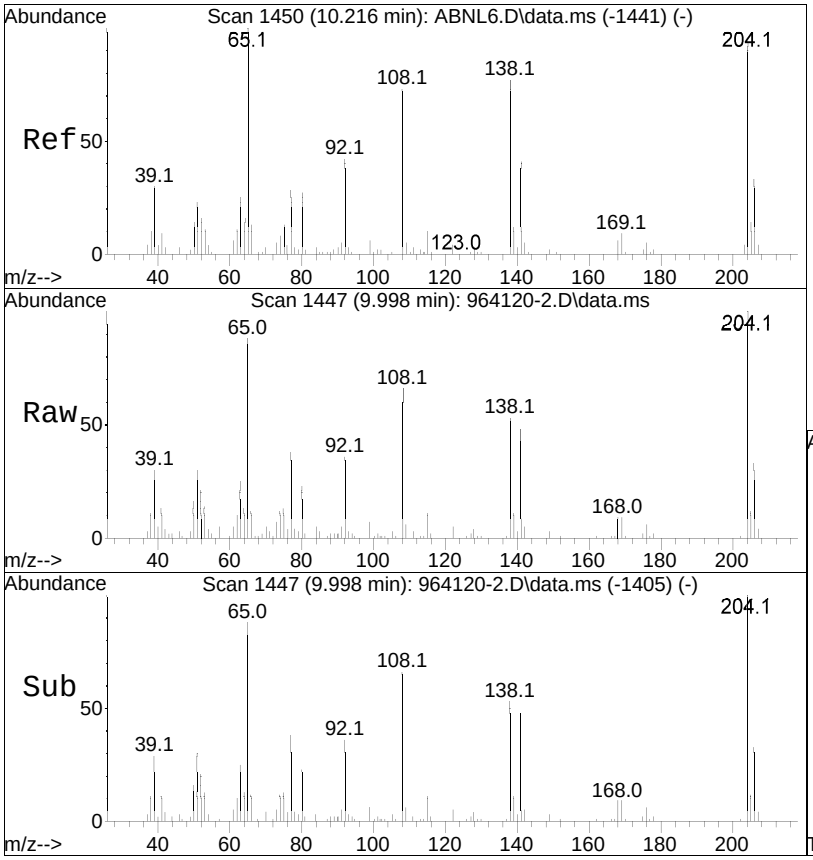


#74
4-Chlorophenyl phenyl ether
Concen: 1.40 ug/ml
RT: 9.992 min Scan# 1446
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:204 Resp: 22132

Ion	Ratio	Lower	Upper
204	100		
206	34.5	25.8	38.6
141	60.2	53.6	80.4

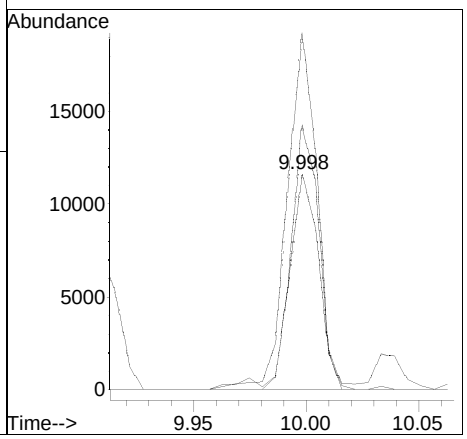


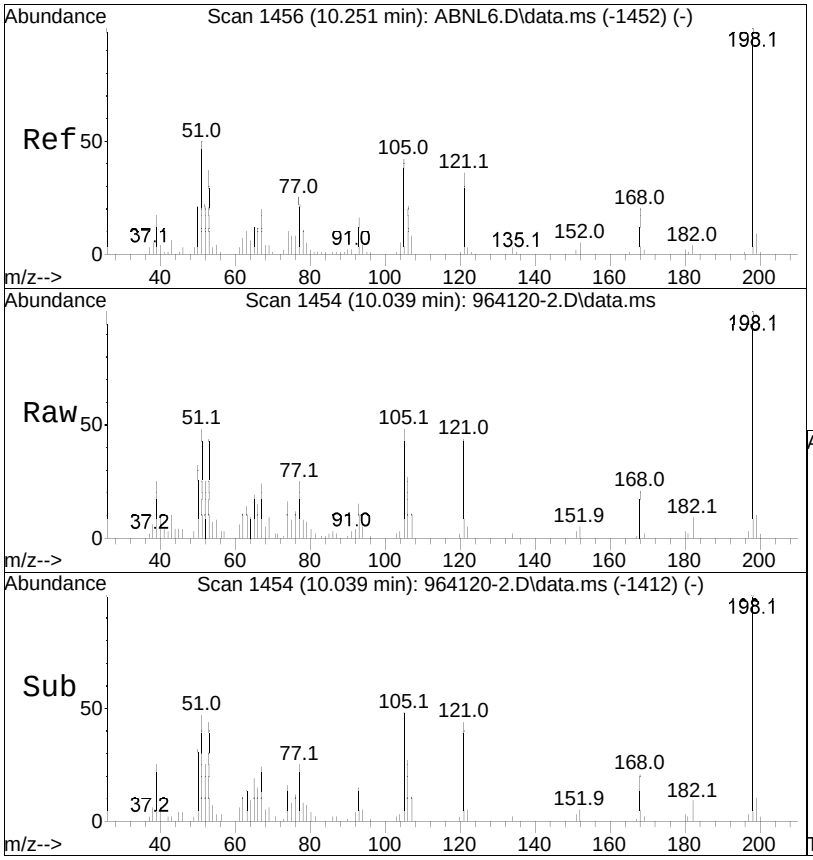


#75
4-Nitroaniline
Concen: 1.64 ug/ml
RT: 9.998 min Scan# 1447
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:138 Resp: 10709

Ion	Ratio	Lower	Upper
138	100		
108	112.8	52.1	78.1#
65	165.3	115.0	172.6

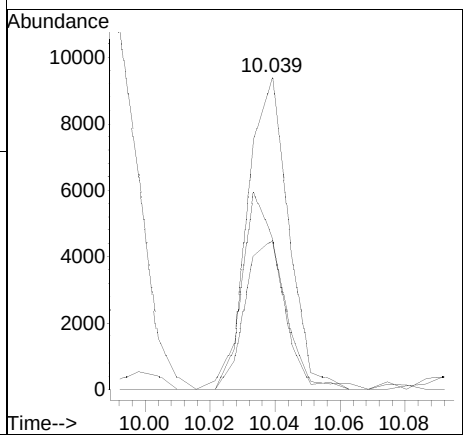


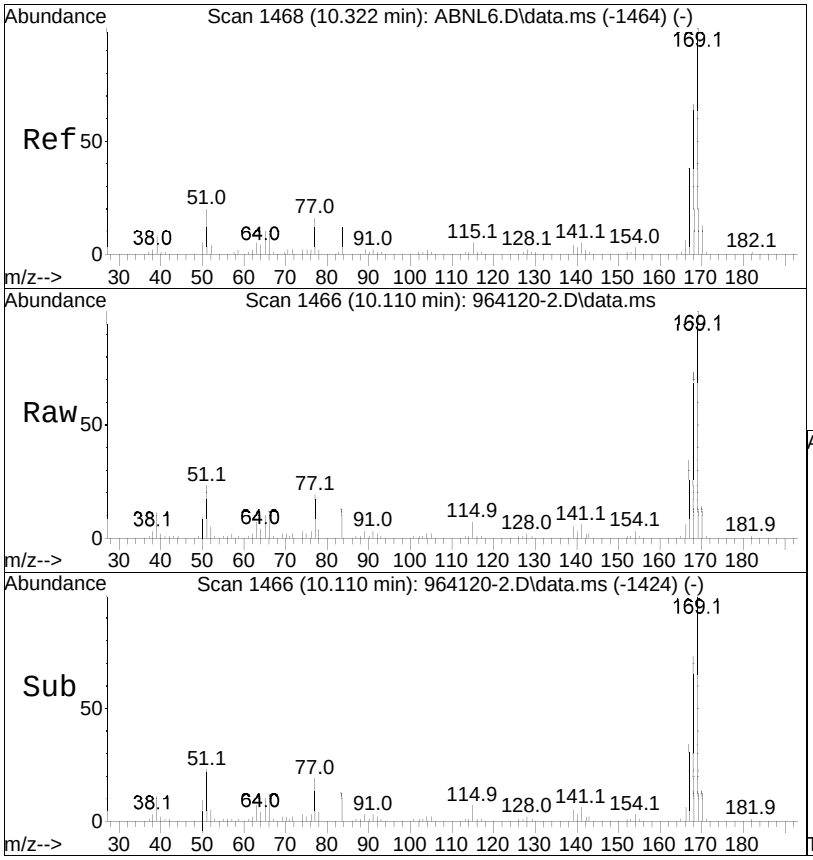


#76
4,6-Dinitro-o-cresol
Concen: 1.55 ug/ml
RT: 10.039 min Scan# 1454
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:198 Resp: 8138

Ion	Ratio	Lower	Upper
198	100		
51	61.9	76.0	114.0#
105	48.0	45.6	68.4

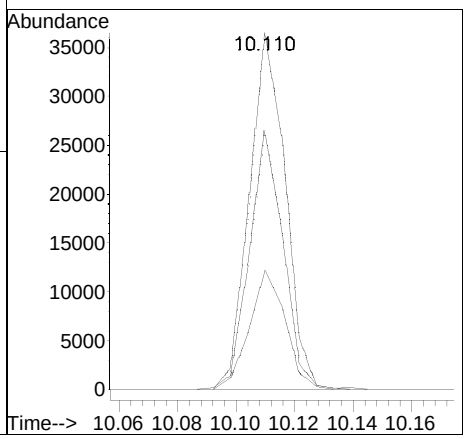


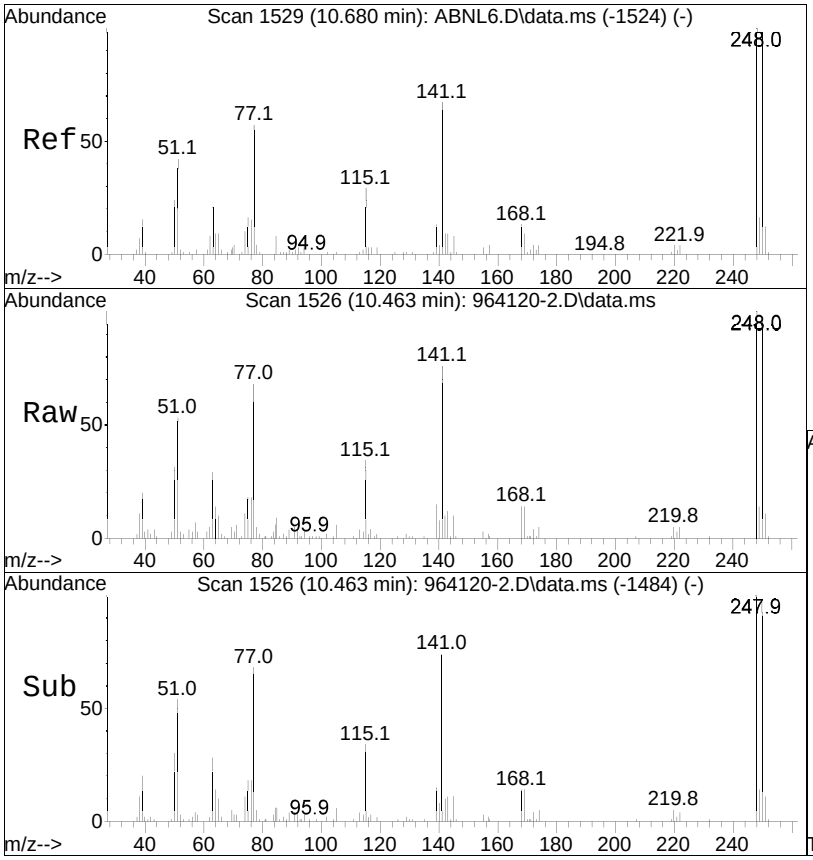


#77
NDPA/DPA
Concen: 1.24 ug/ml
RT: 10.110 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:169 Resp: 30933

Ion	Ratio	Lower	Upper
169	100		
168	68.6	54.0	81.0
167	33.7	28.6	42.8

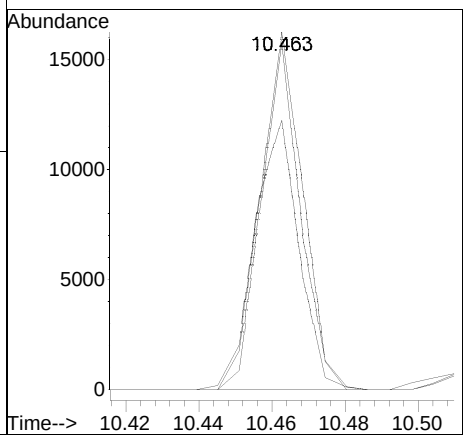


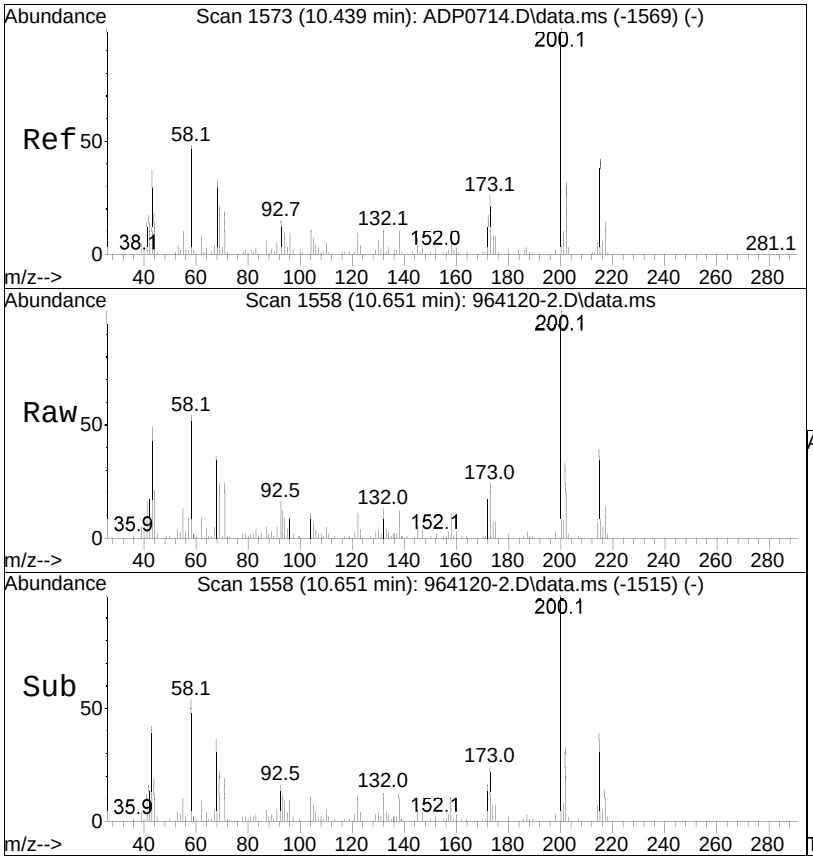


#80
4-Bromophenyl phenyl ether
Concen: 1.32 ug/ml
RT: 10.463 min Scan# 1526
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:248 Resp: 13011

Ion	Ratio	Lower	Upper
248	100		
141	78.8	76.6	114.8
250	89.6	77.3	115.9

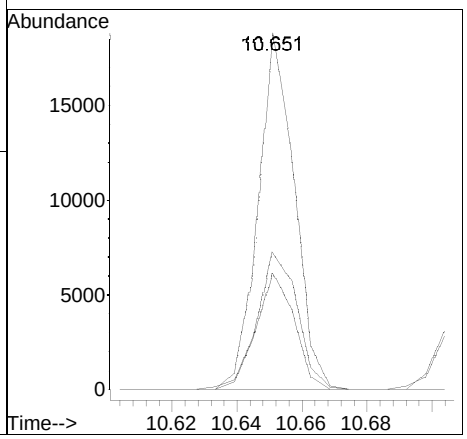


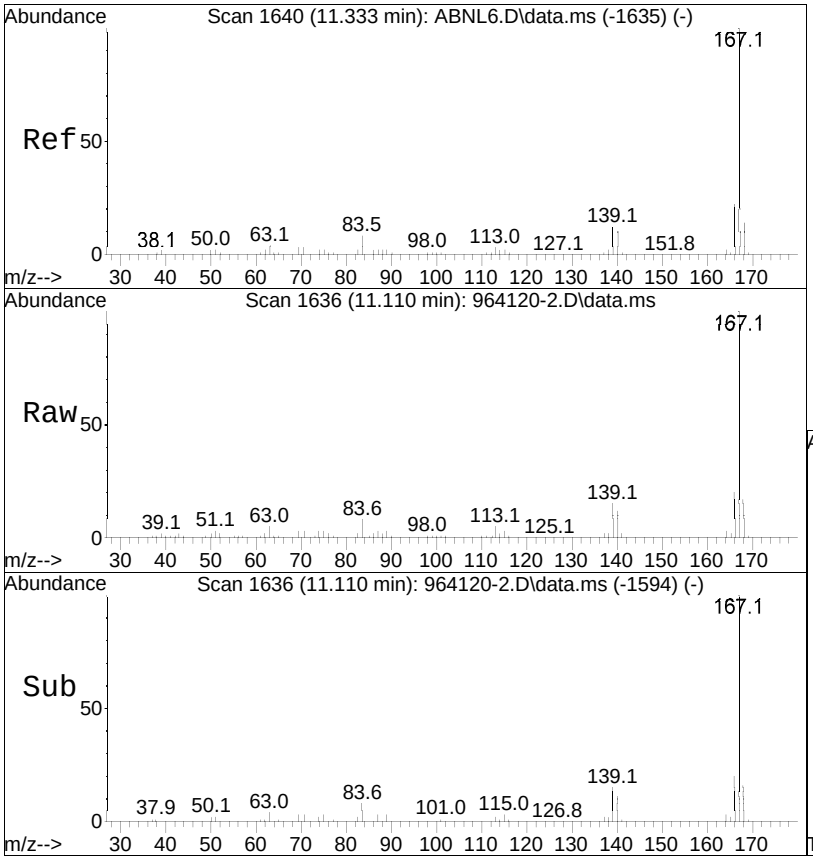


#87
Atrazine
Concen: 1.44 ug/ml
RT: 10.651 min Scan# 1558
Delta R.T. 0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:200 Resp: 14436

Ion	Ratio	Lower	Upper
200	100		
202	34.6	25.8	38.6
215	43.3	40.2	60.4

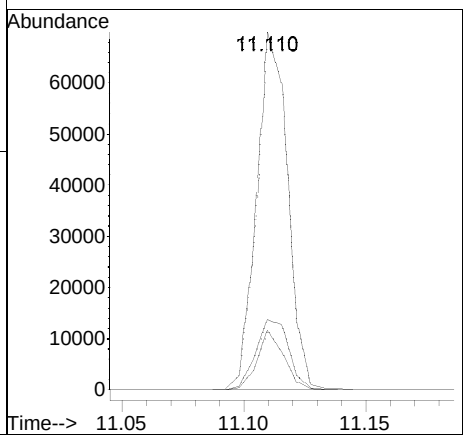


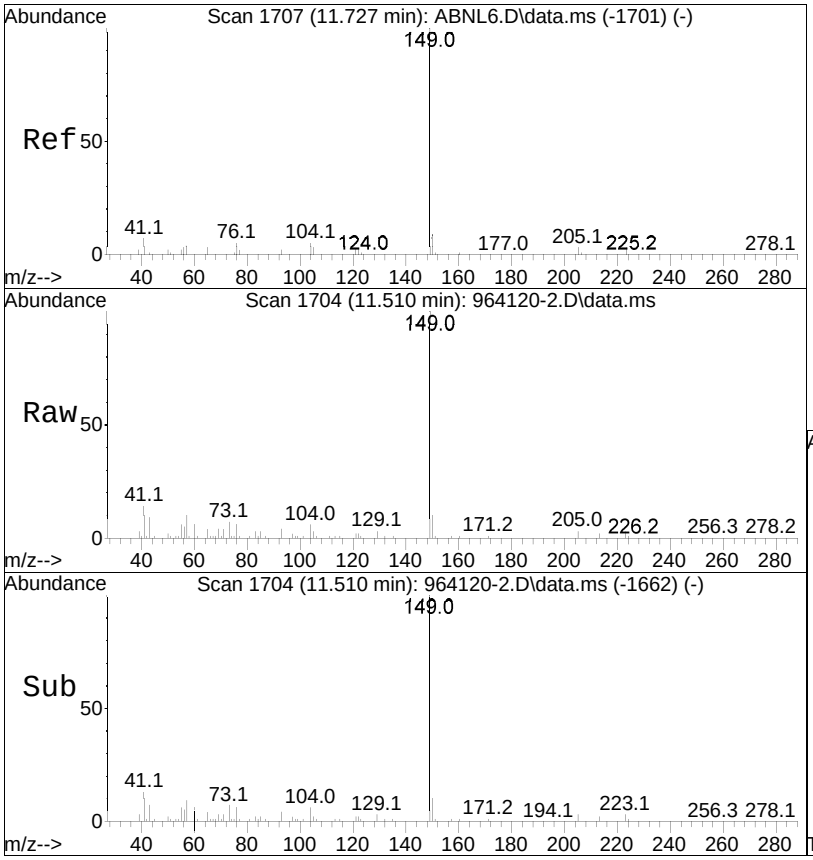


#91
Carbazole
Concen: 1.55 ug/ml
RT: 11.110 min Scan# 1636
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:167 Resp: 61075

Ion	Ratio	Lower	Upper
167	100		
168	14.4	10.6	15.8
166	21.1	17.4	26.0

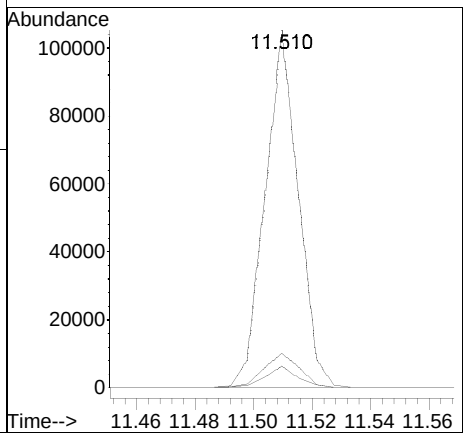


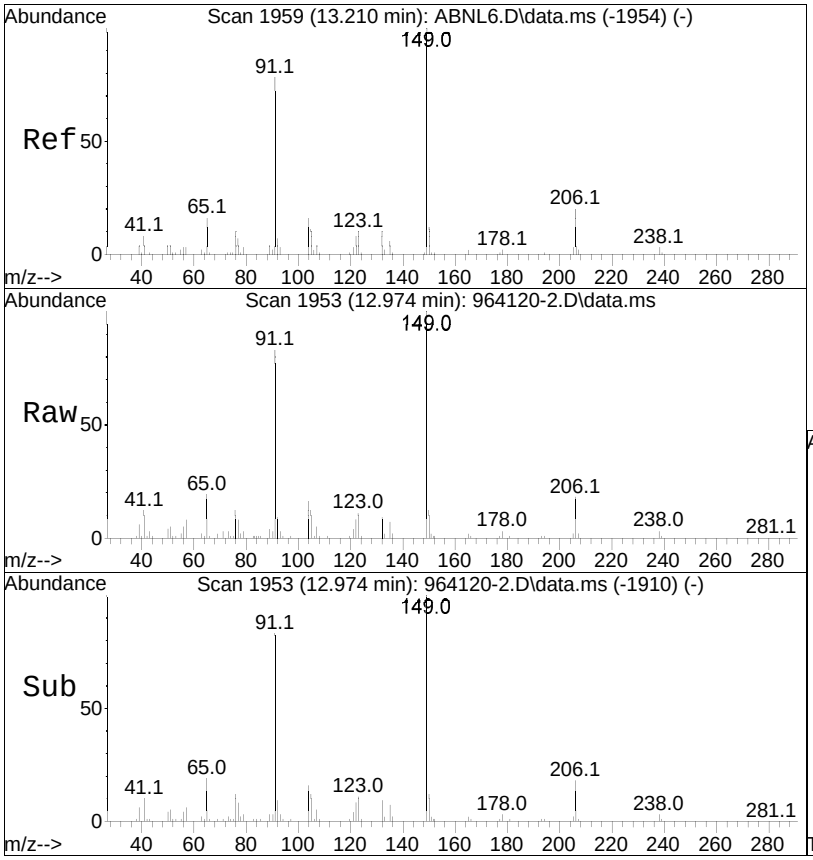


#92
Di-n-butylphthalate
Concen: 1.77 ug/ml
RT: 11.510 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:149 Resp: 81752

Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.0	10.6
104	5.8	4.5	6.7

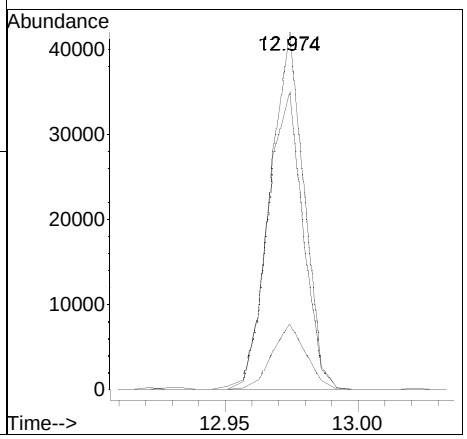


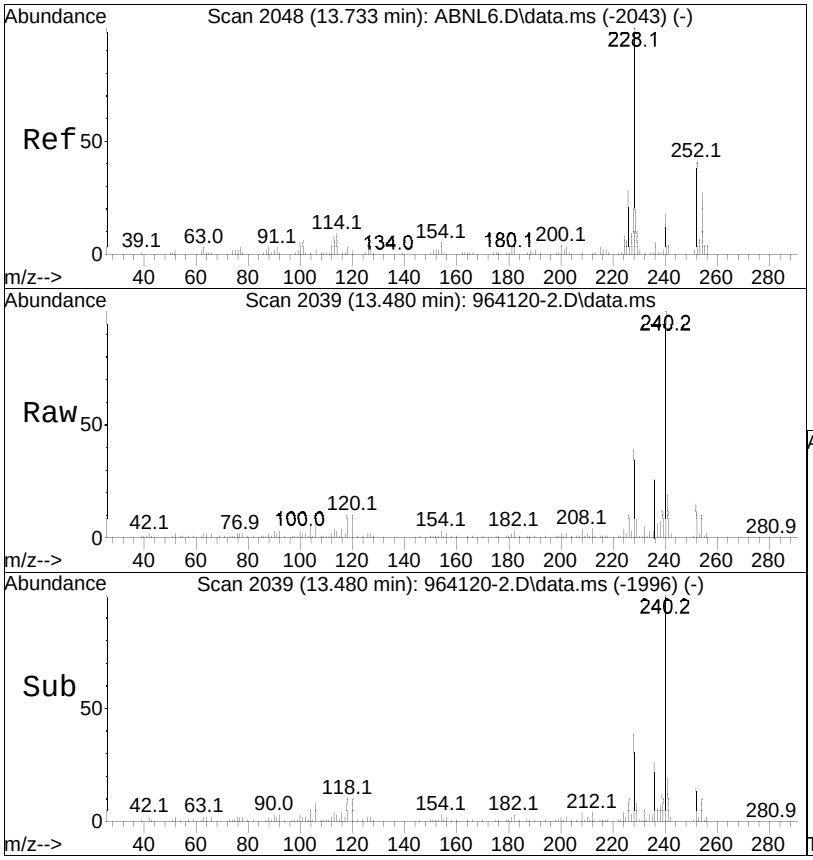


#97
Butyl benzyl phthalate
Concen: 1.74 ug/ml
RT: 12.974 min Scan# 1953
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:149 Resp: 36923

Ion	Ratio	Lower	Upper
149	100		
91	86.6	63.3	94.9
206	18.3	13.9	20.9

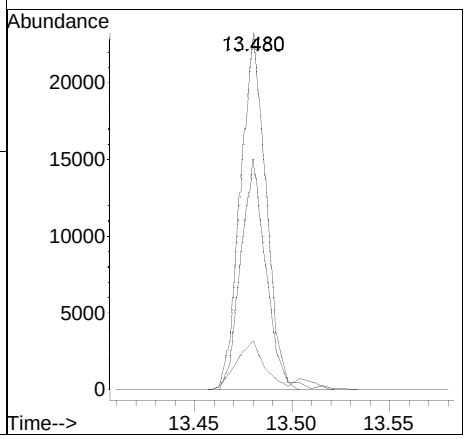


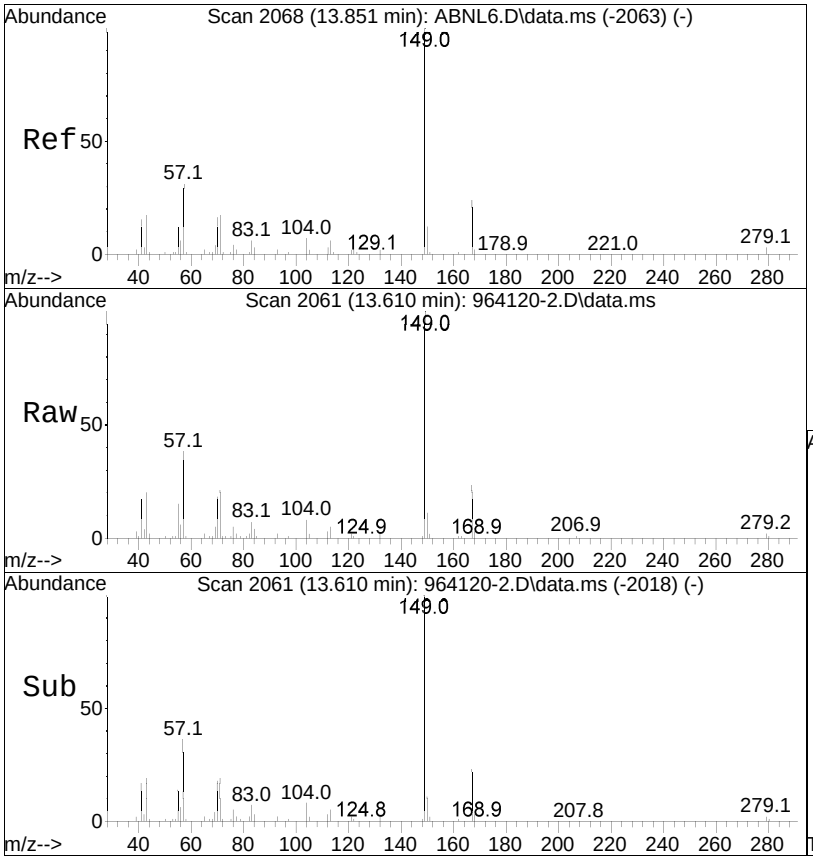


#106
3,3'-Dichlorobenzidine
Concen: 1.05 ug/ml
RT: 13.480 min Scan# 2039
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:252 Resp: 21311

Ion	Ratio	Lower	Upper
252	100		
126	15.4	14.5	21.7
254	62.1	51.2	76.8

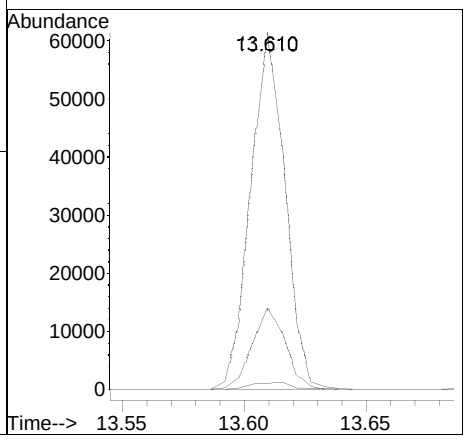


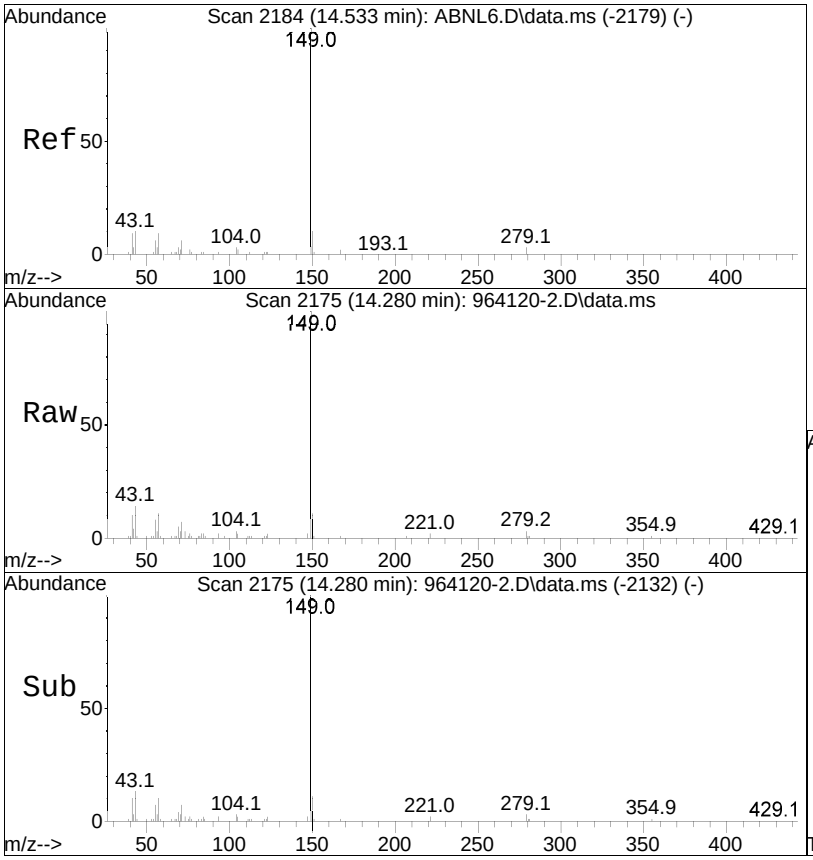


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.76 ug/ml
RT: 13.610 min Scan# 2061
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:149 Resp: 59711

Ion	Ratio	Lower	Upper
149	100		
167	22.2	22.1	33.1
279	2.3	3.0	4.4#

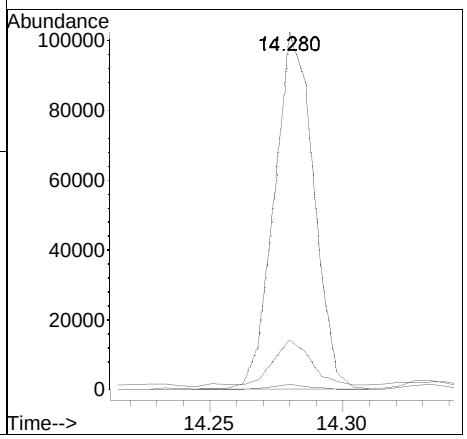




#109
Di-n-octylphthalate
Concen: 1.86 ug/ml
RT: 14.280 min Scan# 2175
Delta R.T. 0.006 min
Lab File: 964120-2.D
Acq: 27 Aug 2024 10:50 am

Tgt Ion:149 Resp: 104211

Ion	Ratio	Lower	Upper
149	100		
43	13.8	18.8	28.2#
167	1.2	1.3	1.9#

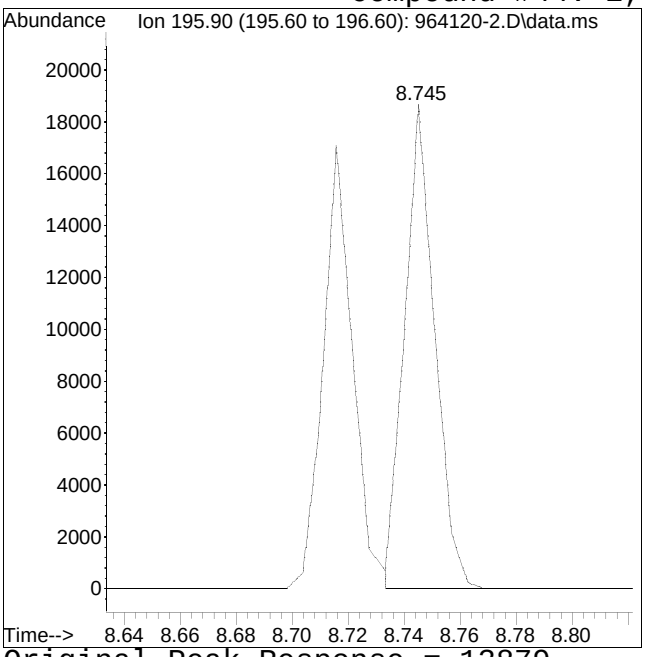


Manual Integration Report

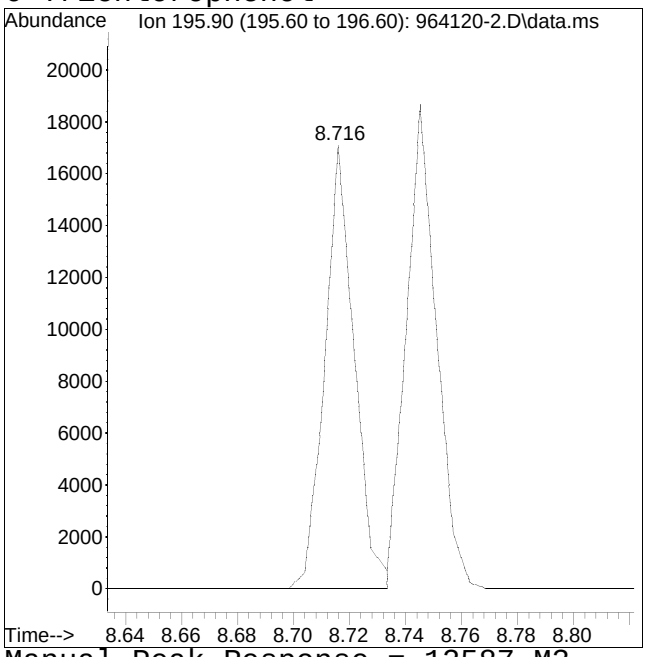
Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-2.D
Date Inj'd : 8/27/2024 10:50 am
Sample : WG1964120-2,32,,gmr

QMethod : FS240624SV106.m
Operator : SV106:im
Instrument : SV 106
Quant Date : 8/27/2024 11:10 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 13879



Manual Peak Response = 12587 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-3.D
Acq On : 26 Aug 2024 12:14 am
Operator : Dakota:mrg
Sample : WG1963467-3,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 14:07:02 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	4.095	152	20801	4.000	ug/ml		0.00
Standard Area 1 = 18365			Recovery = 113.26%				
27) IS2_1,4-Dichlorobenzen...	4.095	152	20801	4.000	ug/ml		0.00
Standard Area 3 = 20040			Recovery = 103.80%				
32) IS3_1,4-Dichlorobenzen...	4.095	152	20801	4.000	ug/ml		0.00
Standard Area 2 = 22466			Recovery = 92.59%				
35) IS1_Naphthalene-d8	5.336	136	78296	4.000	ug/ml	#	0.00
Standard Area 1 = 70878			Recovery = 110.47%				
55) IS2_Naphthalene-d8	5.336	136	78296	4.000	ug/ml		0.00
Standard Area 3 = 76372			Recovery = 102.52%				
63) IS1_Acenaphthene-d10	7.023	164	53817	4.000	ug/ml		0.00
Standard Area 1 = 50962			Recovery = 105.60%				
83) IS2_Acenaphthene-d10	7.023	164	53817	4.000	ug/ml		0.00
Standard Area 3 = 52785			Recovery = 101.96%				
86) IS3_Acenaphthene-d10	7.023	164	53817	4.000	ug/ml		0.00
Standard Area 2 = 54458			Recovery = 98.82%				
88) IS1_Phenanthrene-d10	8.428	188	120279	4.000	ug/ml	#	0.00
Standard Area 1 = 124226			Recovery = 96.82%				
100) IS3_Phenanthrene-d10	8.428	188	120279	4.000	ug/ml	#	0.00
Standard Area 2 = 124030			Recovery = 96.98%				
104) IS1_Chrysene-d12	10.974	240	141970	4.000	ug/ml	#	0.00
Standard Area 1 = 140160			Recovery = 101.29%				
113) IS1_Perylene-d12	12.375	264	181629	4.000	ug/ml		0.00
Standard Area 1 = 176971			Recovery = 102.63%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.787	112	6018	1.126	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.30%				
7) Phenol-d6	3.806	99	5295	0.785	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.25%				
19) Nitrobenzene-d5	4.649	82	4755	0.675	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.50%				
46) 2-Fluorobiphenyl	6.411	172	13879	0.707	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%				
79) 2,4,6-Tribromophenol	7.779	330	6145	1.747	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 87.35%				

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-3.D
Acq On : 26 Aug 2024 12:14 am
Operator : Dakota:mrg
Sample : WG1963467-3,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 14:07:02 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.998	244	25782	0.824	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.40%			
Target Compounds						Qvalue
6) 2-Chlorophenol	3.890	128	8954	1.497	ug/ml#	78
8) Phenol	3.816	94	5403	0.687	ug/ml	97
9) Bis(2-chloroethyl)ether	3.878	93	6519	1.265	ug/ml	85
14) Bis(2-chloroisopropyl)...	4.416	45	5593	0.728	ug/ml#	1
15) 2-Methylphenol	4.412	108	7138	1.321	ug/ml	97
17) n-Nitrosodi-n-propylamine	4.549	70	5695	1.201	ug/ml	95
18) 3-Methylphenol/4-Methy...	4.577	108	7248	1.272	ug/ml	94
20) Nitrobenzene	4.667	77	8661	1.283	ug/ml	92
21) Isophorone	4.919	82	15670	1.324	ug/ml	98
22) 2-Nitrophenol	4.984	139	6070	1.813	ug/ml#	77
23) 2,4-Dimethylphenol	5.084	107	4824	0.846	ug/ml#	86
24) Bis(2-chloroethoxy)met...	5.168	93	9635	1.325	ug/ml#	95
25) 2,4-Dichlorophenol	5.227	162	10273	1.597	ug/ml#	88
28) Benzaldehyde	3.657	105	6569	1.219	ug/ml	87
29) Acetophenone	4.515	105	13160	1.428	ug/ml#	73
38) 4-Chloroaniline	5.441	65	2430	0.978	ug/ml#	43
40) p-Chloro-m-cresol	5.954	107	8292	1.456	ug/ml#	83
43) Hexachlorocyclopentadiene	6.206	237	3447	0.607	ug/ml#	94
44) 2,4,6-Trichlorophenol	6.327	196	9087	1.568	ug/ml	98
45) 2,4,5-Trichlorophenol	6.355	196	9741	1.573	ug/ml	98
48) 2-Nitroaniline	6.613	138	7817	1.804	ug/ml#	64
51) Dimethyl phthalate	6.827	163	28988	1.434	ug/ml#	97
53) 2,6-Dinitrotoluene	6.862	165	5642	1.414	ug/ml#	74
60) Caprolactam	5.764	55	706	0.270	ug/ml#	25
61) 1,2,4,5-Tetrachloroben...	6.203	216	10180	1.041	ug/ml	97
62) Biphenyl	6.495	154	25135	1.201	ug/ml	93
64) 3-Nitroaniline	7.008	138	6282	1.573	ug/ml#	79
66) 2,4-Dinitrophenol	7.113	184	3648	1.492	ug/ml#	76
67) Dibenzofuran	7.222	168	35499	1.387	ug/ml	99
68) 2,4-Dinitrotoluene	7.241	165	8678	1.596	ug/ml#	68
69) 4-Nitrophenol	7.213	65	2747	0.821	ug/ml#	1
71) 2,3,4,6-Tetrachlorophenol	7.359	232	8201	1.521	ug/ml	98
72) Diethyl phthalate	7.511	149	29072	1.401	ug/ml	97

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-3.D
Acq On : 26 Aug 2024 12:14 am
Operator : Dakota:mrg
Sample : WG1963467-3,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 14:07:02 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\Dakota\240825aRVT\ABN0825.D
: 2 - I:\8270\Dakota\240825aRVT\ADP0825.D
: 3 - I:\8270\Dakota\240825aRVT\AP90825a.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	7.577	204	13411	1.351	ug/ml#	83
75)	4-Nitroaniline	7.586	138	6877	1.748	ug/ml#	67
76)	4,6-Dinitro-o-cresol	7.626	198	5557	1.620	ug/ml#	51
77)	NDPA/DPA	7.695	169	23372	1.397	ug/ml	89
80)	4-Bromophenyl phenyl e...	8.040	248	9683	1.467	ug/ml#	75
87)	Atrazine	8.242	200	8508	1.405	ug/ml	92
91)	Carbazole	8.674	167	47690	1.605	ug/ml	98
92)	Di-n-butylphthalate	9.090	149	53559	1.570	ug/ml#	98
97)	Butyl benzyl phthalate	10.514	149	24747	1.615	ug/ml#	80
106)	3,3'-Dichlorobenzidine	10.986	252	26175	1.490	ug/ml#	95
108)	Bis(2-ethylhexyl)phtha...	11.138	149	39307	1.476	ug/ml	93
109)	Di-n-octylphthalate	11.788	149	68748	1.548	ug/ml#	67

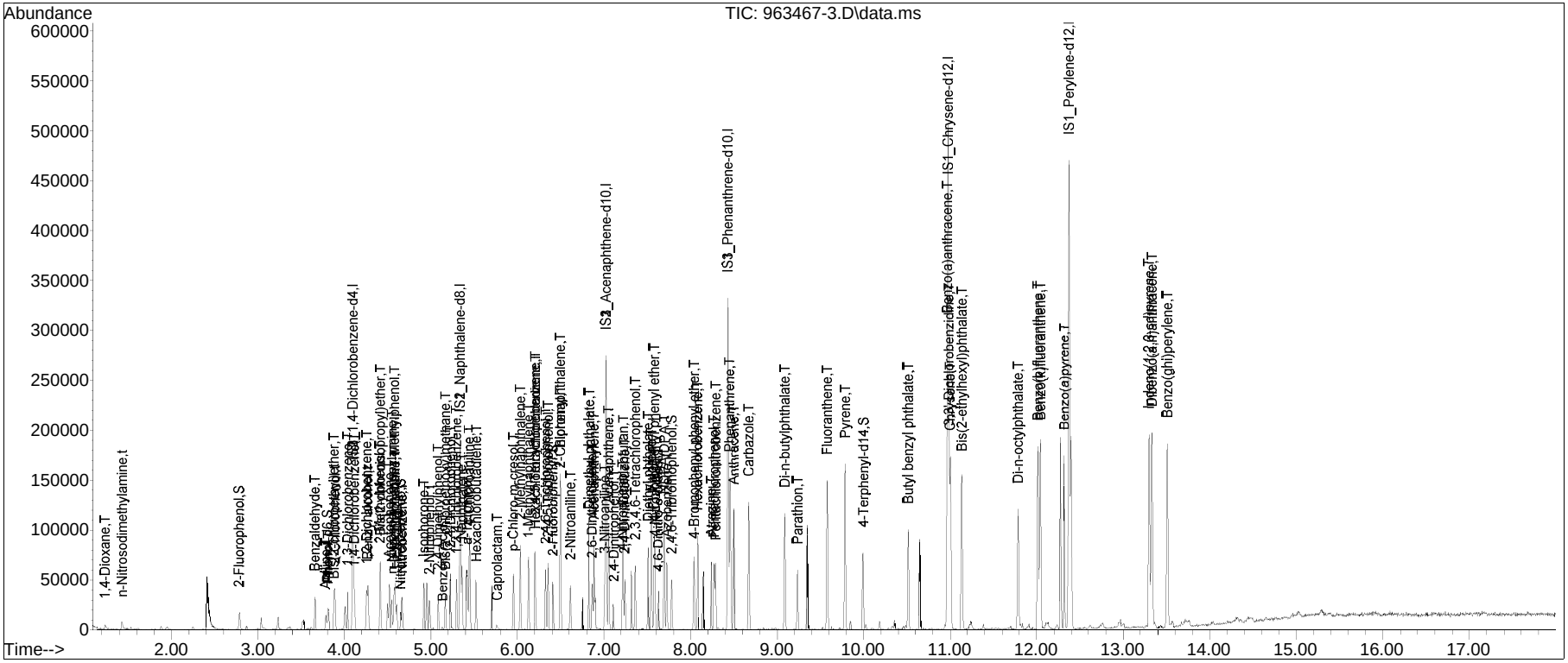
(#) = qualifier out of range (m) = manual integration (+) = signals summed

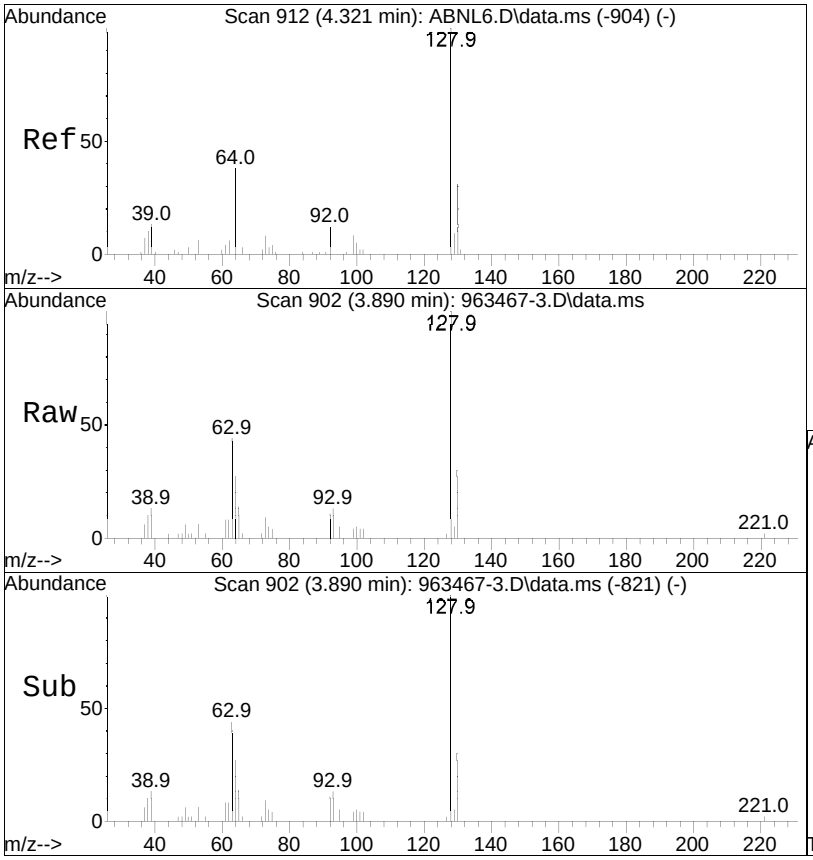
Quantitation Report (QT Reviewed)

Data Path : I:\8270\Dakota\240825aRVT\
Data File : 963467-3.D
Acq On : 26 Aug 2024 12:14 am
Operator : Dakota:mrg
Sample : WG1963467-3,32,,mrg
Misc : wg1963655,WG1963467,ical21225
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 26 14:07:02 2024
Quant Method : I:\8270\Dakota\240825aRVT\FS240618RVT_14D_Dakota.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 22:19:20 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MA5aRVT\AP90825a.D•

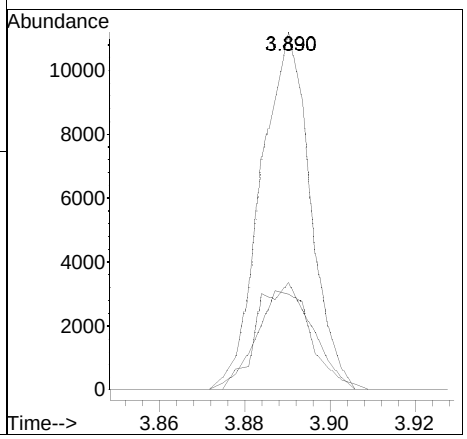


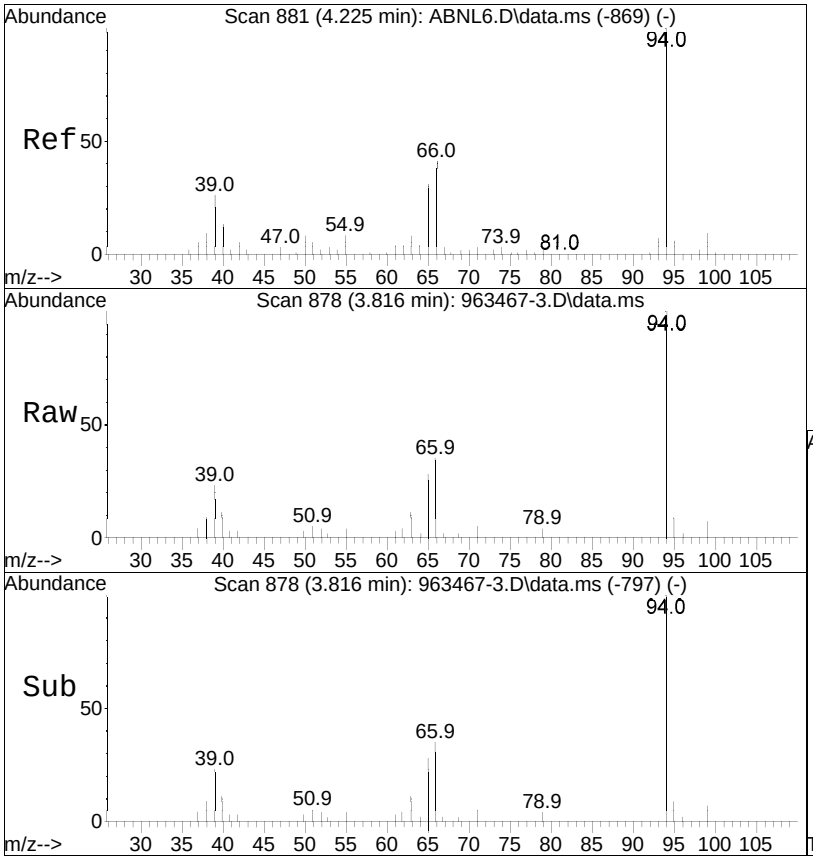


#6
2-Chlorophenol
Concen: 1.50 ug/ml
RT: 3.890 min Scan# 902
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:128 Resp: 8954

Ion	Ratio	Lower	Upper
128	100		
64	31.3	45.1	67.7#
130	33.7	26.2	39.4

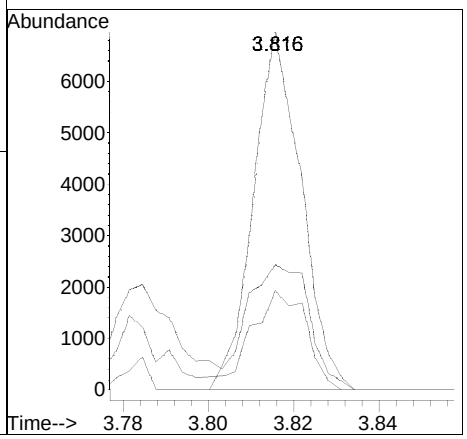


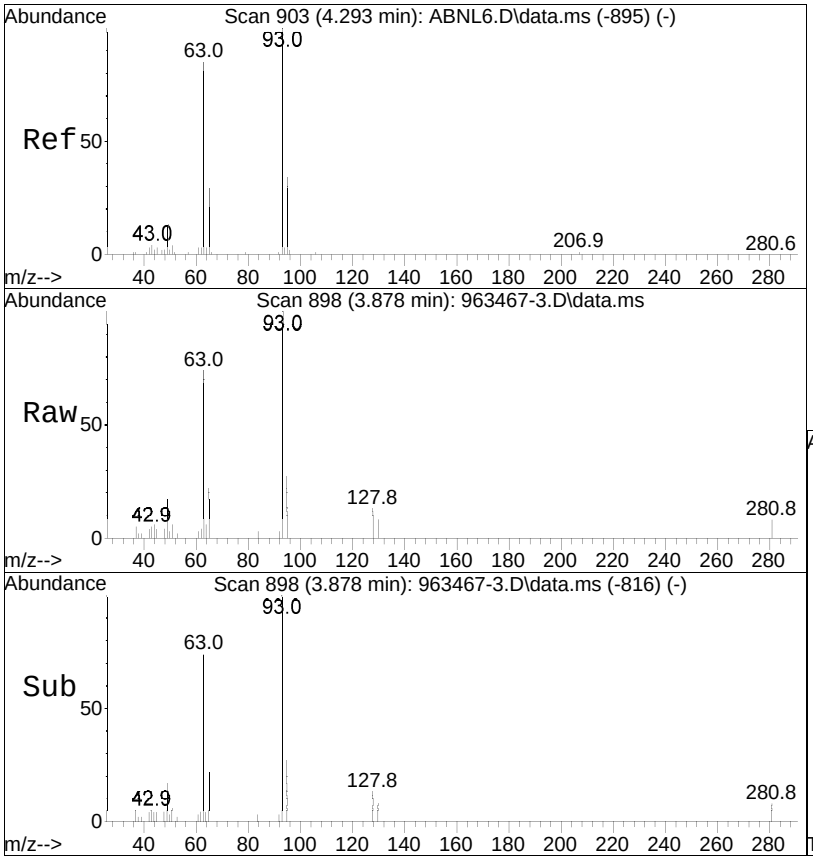


#8
Phenol
Concen: 0.69 ug/ml
RT: 3.816 min Scan# 878
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 94 Resp: 5403

Ion	Ratio	Lower	Upper
94	100		
65	31.9	26.0	39.0
66	45.2	33.8	50.8

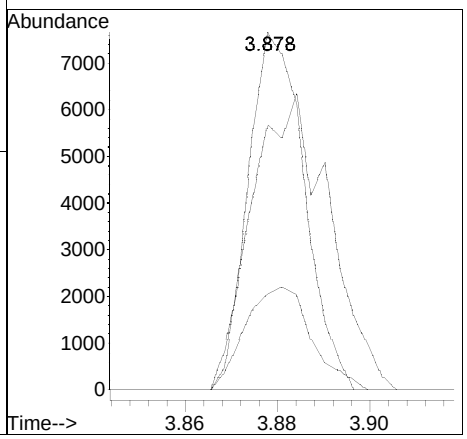


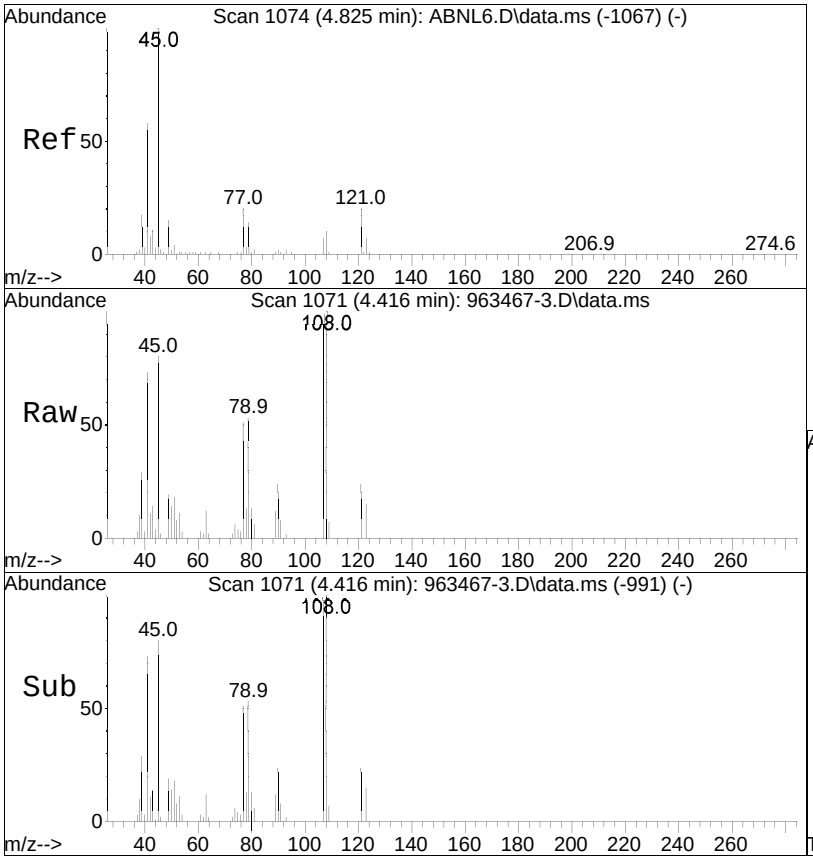


#9
Bis(2-chloroethyl)ether
Concen: 1.26 ug/ml
RT: 3.878 min Scan# 898
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 93 Resp: 6519

Ion	Ratio	Lower	Upper
93	100		
63	111.5	74.6	111.8
95	33.5	25.9	38.9

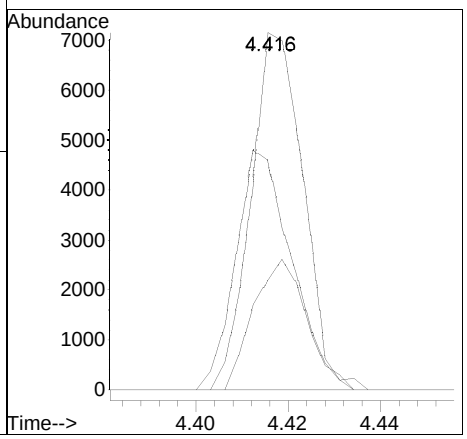


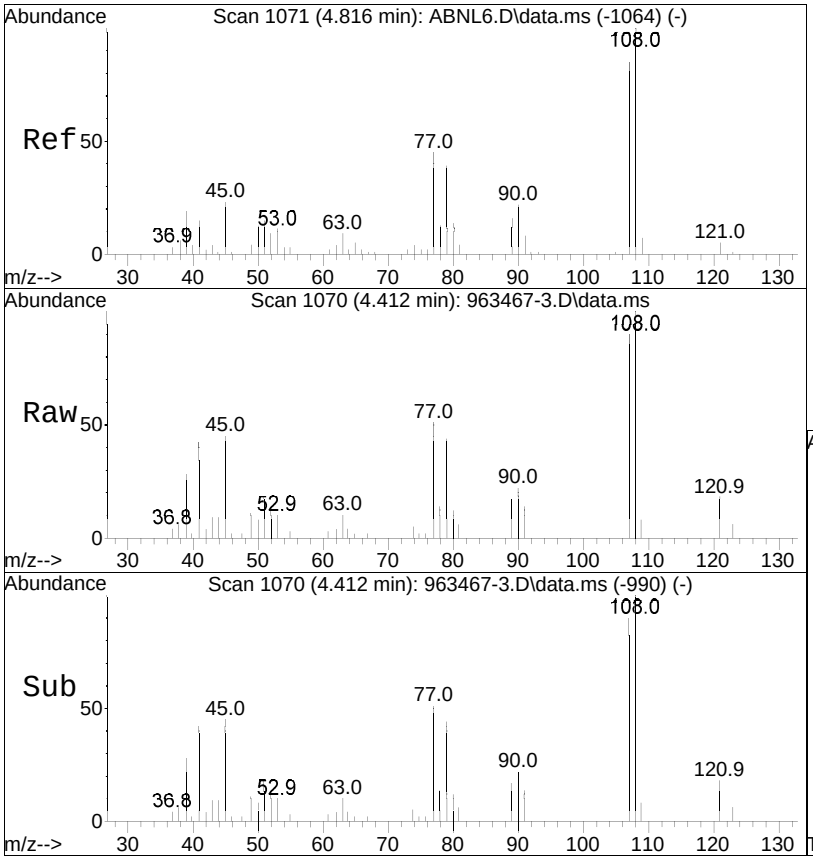


#14
Bis(2-chloroisopropyl)ether
Concen: 0.73 ug/ml
RT: 4.416 min Scan# 1071
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 45 Resp: 5593

Ion	Ratio	Lower	Upper
45	100		
121	37.7	9.8	14.6#
77	73.0	6.1	9.1#

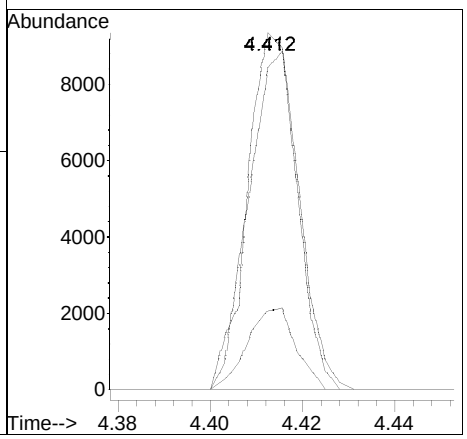


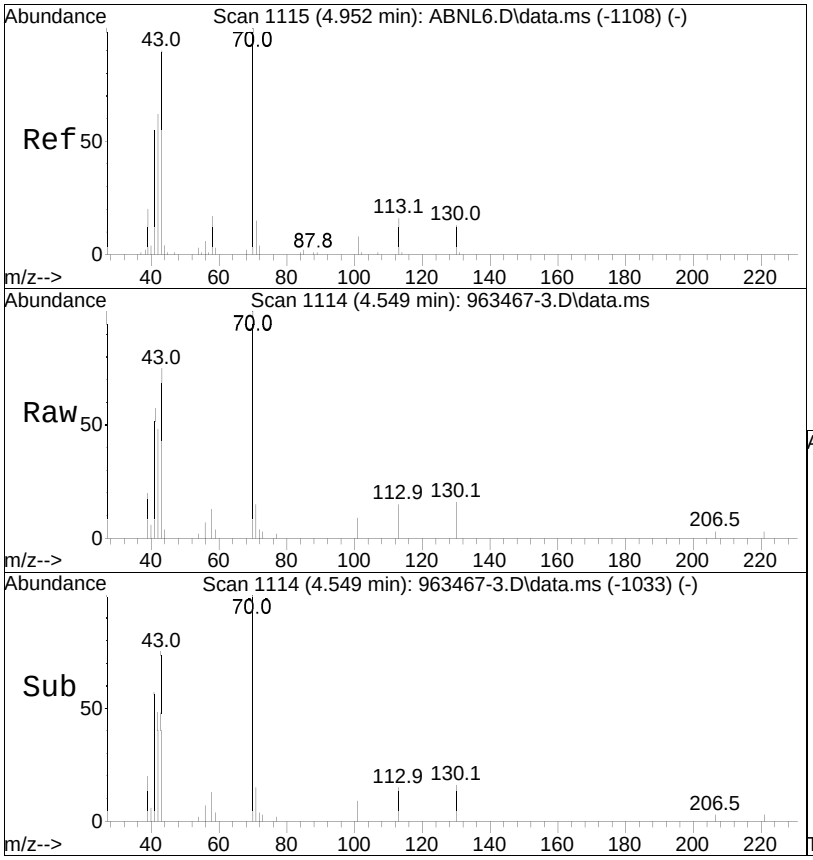


#15
2-Methylphenol
Concen: 1.32 ug/ml
RT: 4.412 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:108 Resp: 7138

Ion	Ratio	Lower	Upper
108	100		
107	91.4	70.7	106.1
90	21.9	18.7	28.1

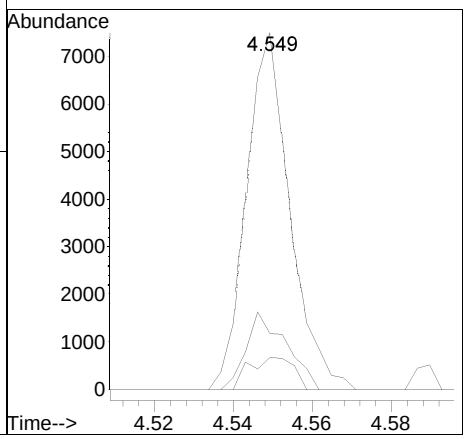


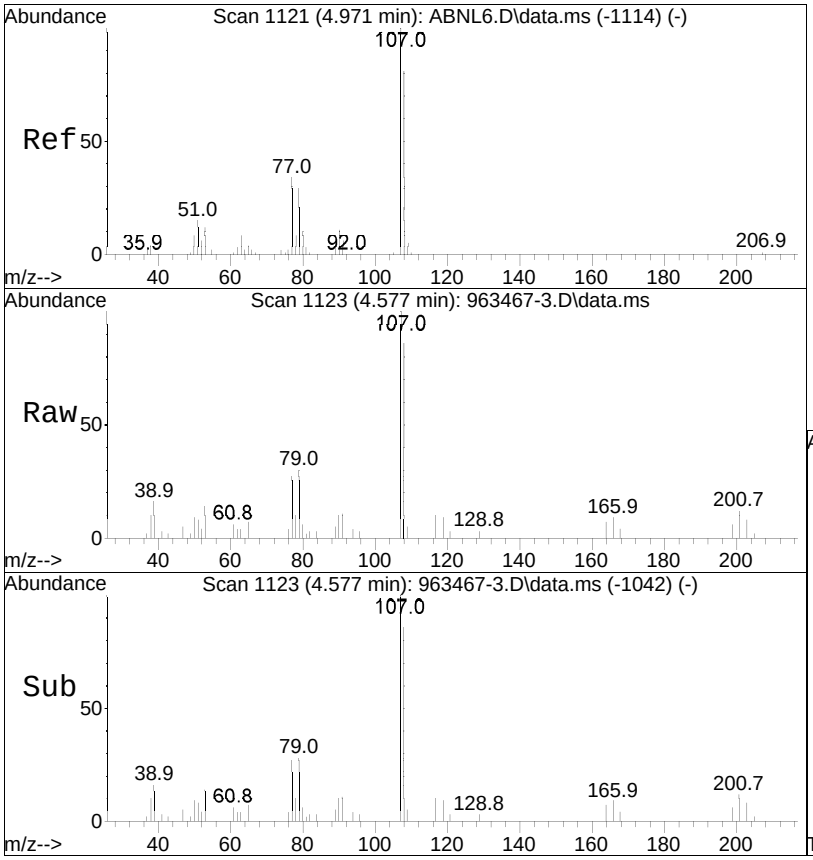


#17
n-Nitrosodi-n-propylamine
Concen: 1.20 ug/ml
RT: 4.549 min Scan# 1114
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 70 Resp: 5695

Ion	Ratio	Lower	Upper
70	100		
130	19.9	18.2	27.4
101	9.3	7.8	11.8

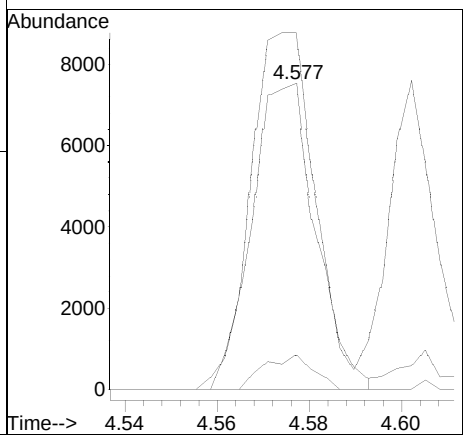


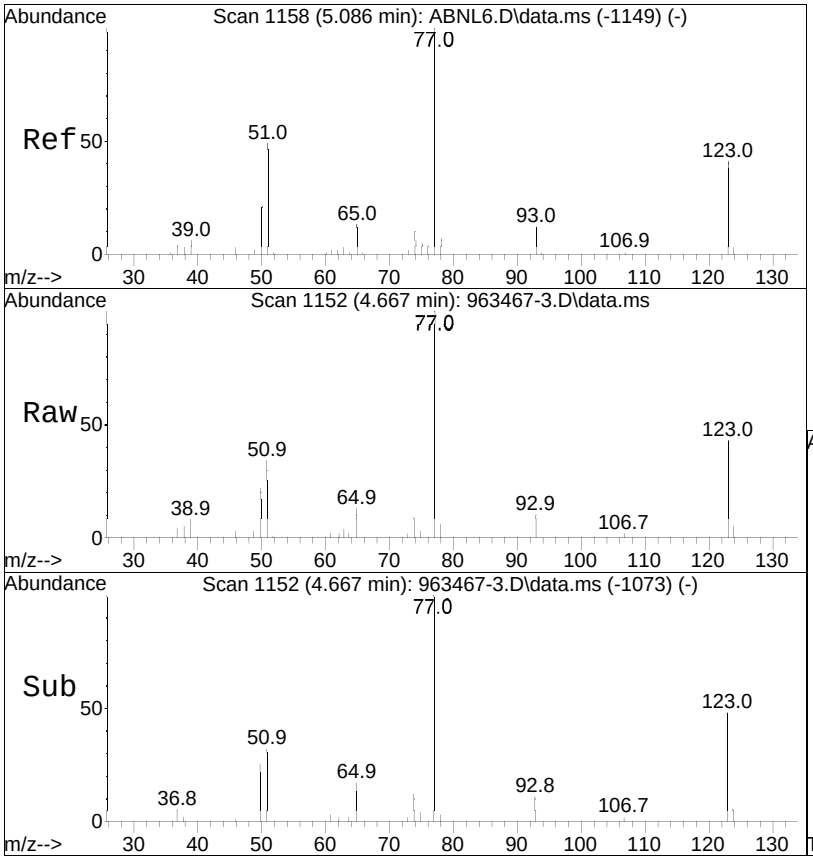


#18
3-Methylphenol/4-Methylphenol
Concen: 1.27 ug/ml
RT: 4.577 min Scan# 1123
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:108 Resp: 7248

Ion	Ratio	Lower	Upper
108	100		
107	117.1	88.6	132.8
90	8.8	8.8	13.2

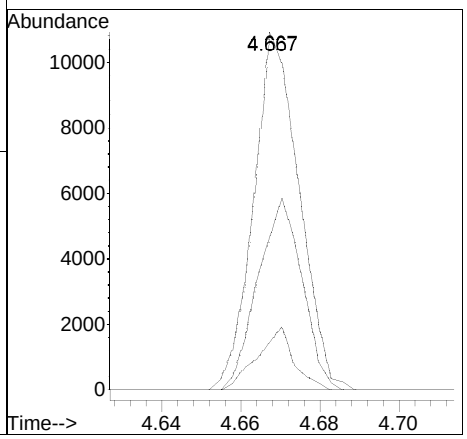


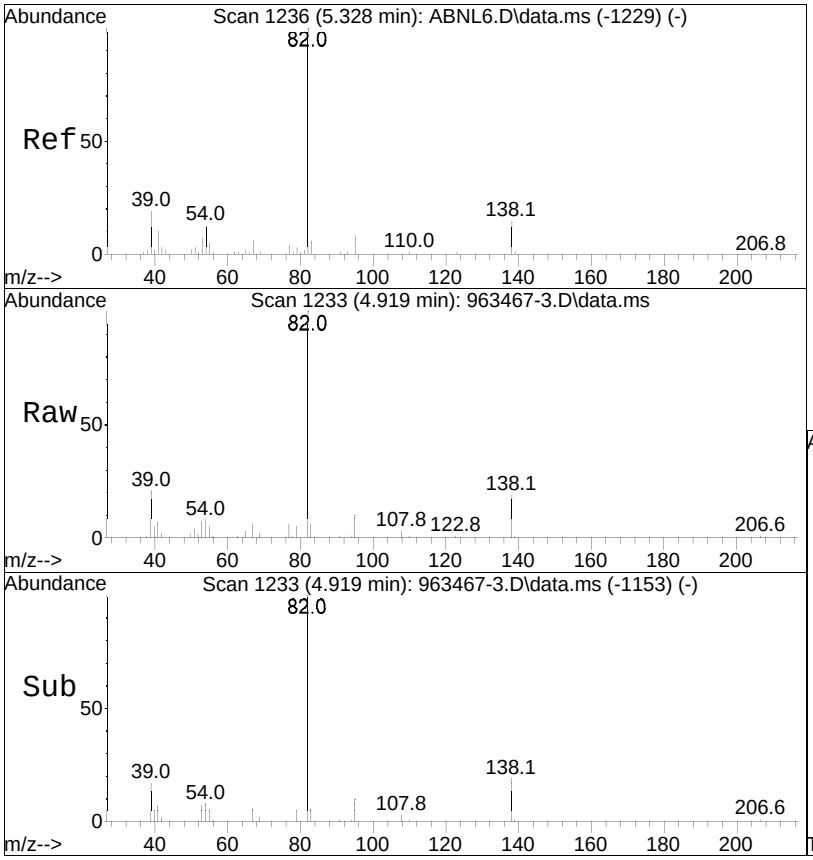


#20
Nitrobenzene
Concen: 1.28 ug/ml
RT: 4.667 min Scan# 1152
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 77 Resp: 8661

Ion	Ratio	Lower	Upper
77	100		
123	52.0	36.3	54.5
65	14.2	11.6	17.4

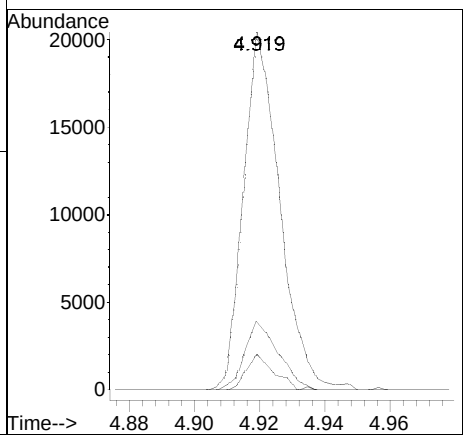


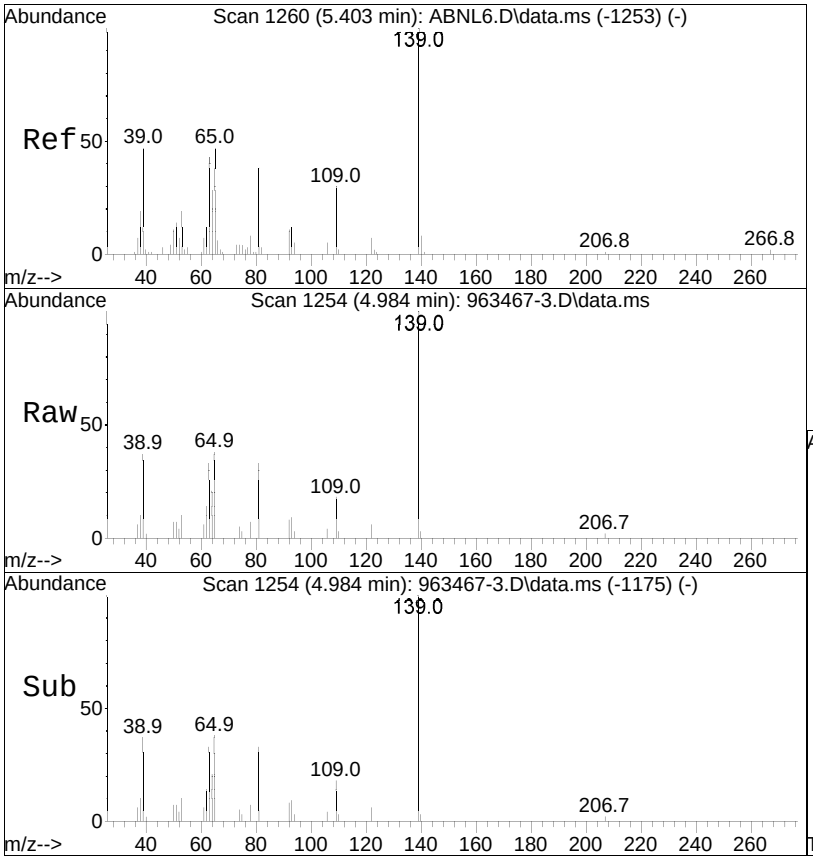


#21
Isophorone
Concen: 1.32 ug/ml
RT: 4.919 min Scan# 1233
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 82 Resp: 15670

Ion	Ratio	Lower	Upper
82	100		
138	17.8	14.7	22.1
95	7.7	5.2	7.8

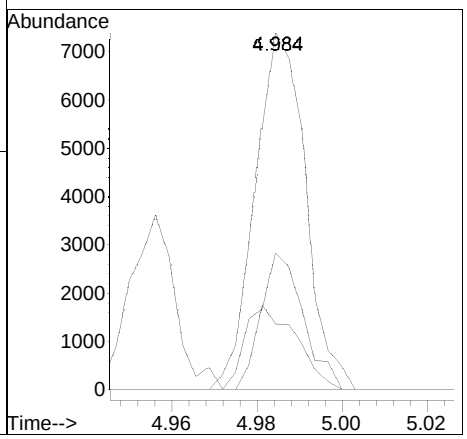


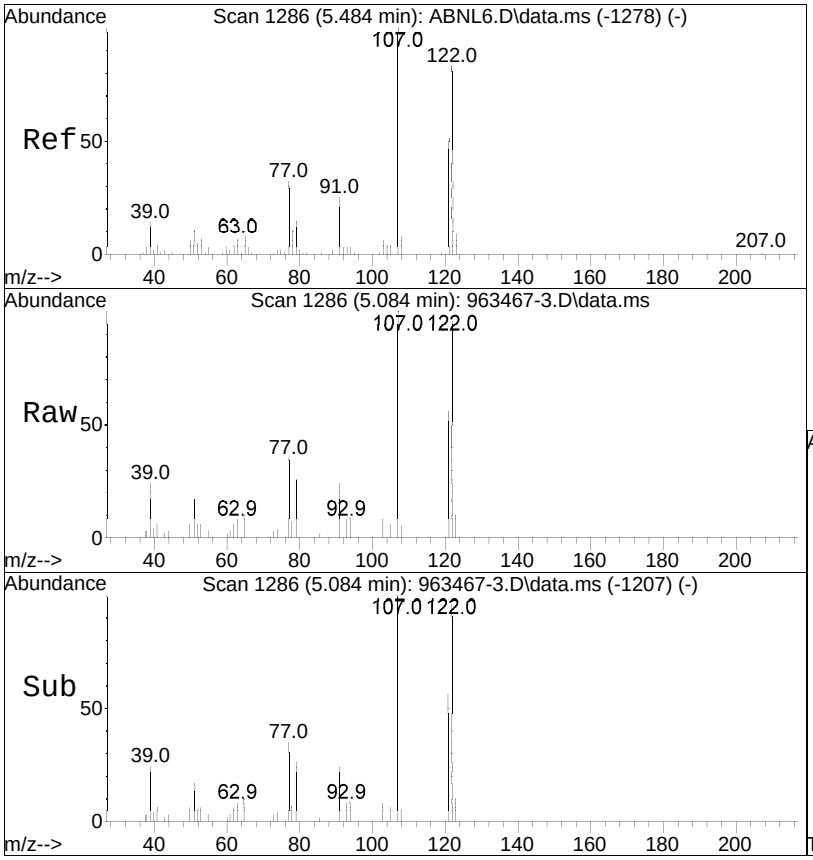


#22
2-Nitrophenol
Concen: 1.81 ug/ml
RT: 4.984 min Scan# 1254
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:139 Resp: 6070

Ion	Ratio	Lower	Upper
139	100		
109	20.0	19.4	29.0
65	36.0	46.1	69.1#

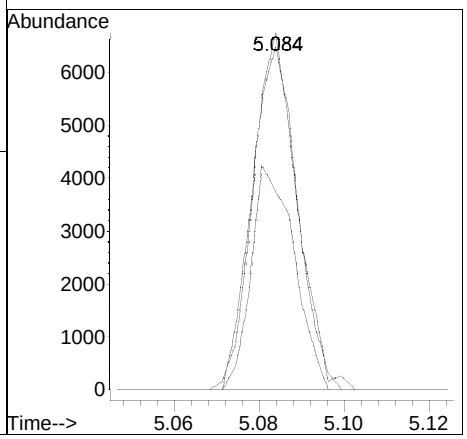


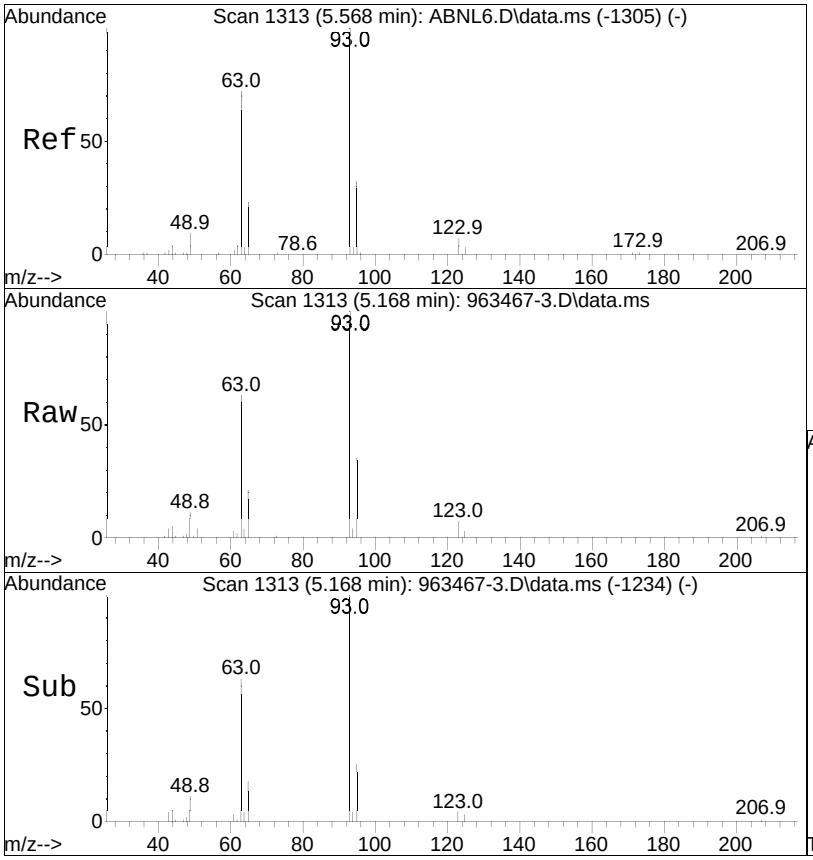


#23
2,4-Dimethylphenol
Concen: 0.85 ug/ml
RT: 5.084 min Scan# 1286
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:107 Resp: 4824

Ion	Ratio	Lower	Upper
107	100		
121	61.5	40.0	60.0#
122	99.5	70.2	105.4

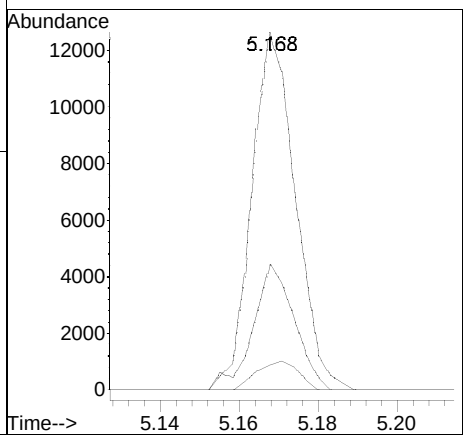


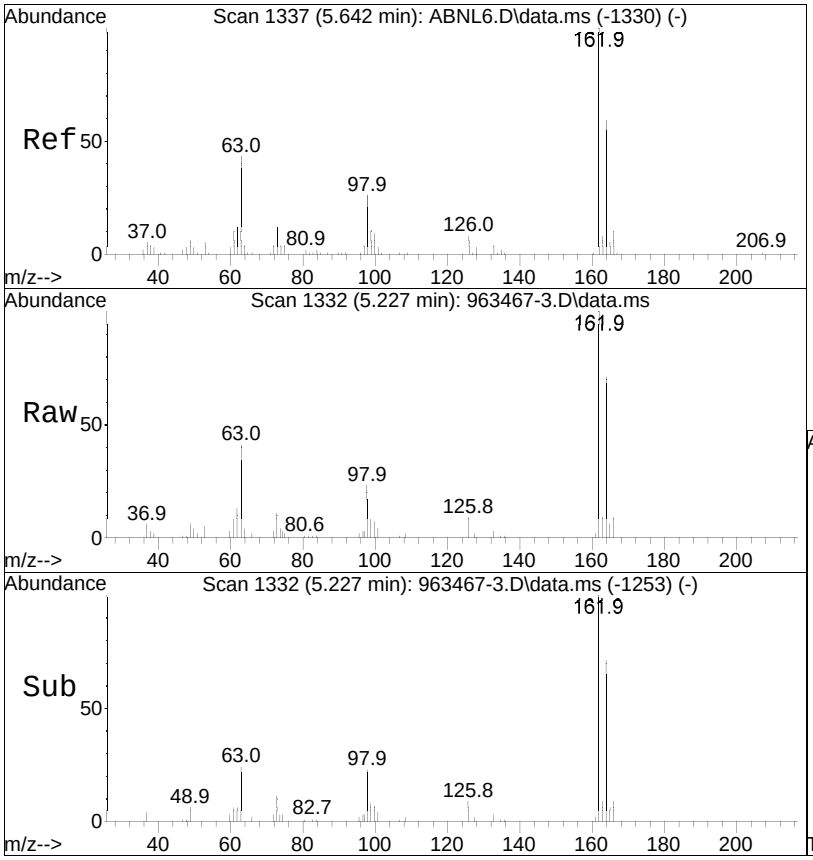


#24
Bis(2-chloroethoxy)methane
Concen: 1.32 ug/ml
RT: 5.168 min Scan# 1313
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 93 Resp: 9635

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	7.8	10.1	15.1#

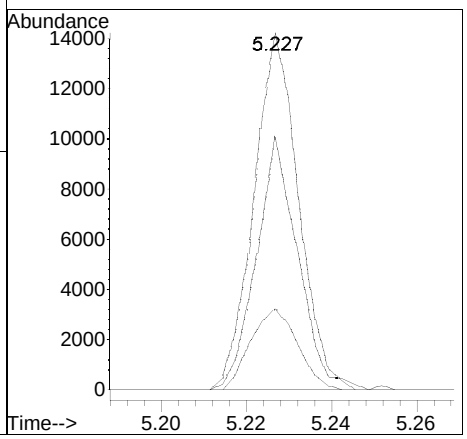


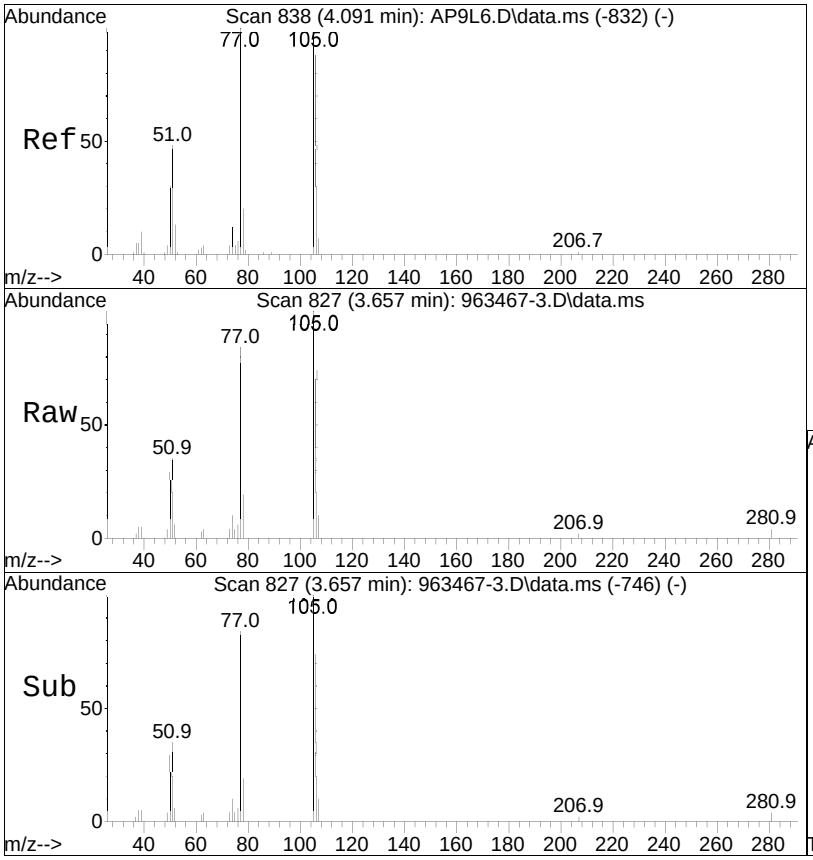


#25
2,4-Dichlorophenol
Concen: 1.60 ug/ml
RT: 5.227 min Scan# 1332
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:162 Resp: 10273

Ion	Ratio	Lower	Upper
162	100		
164	66.1	51.0	76.4
98	23.9	32.2	48.2#

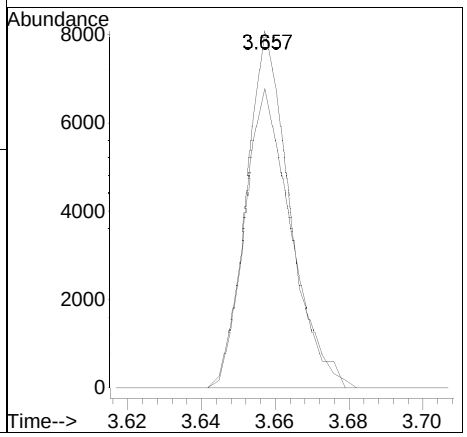


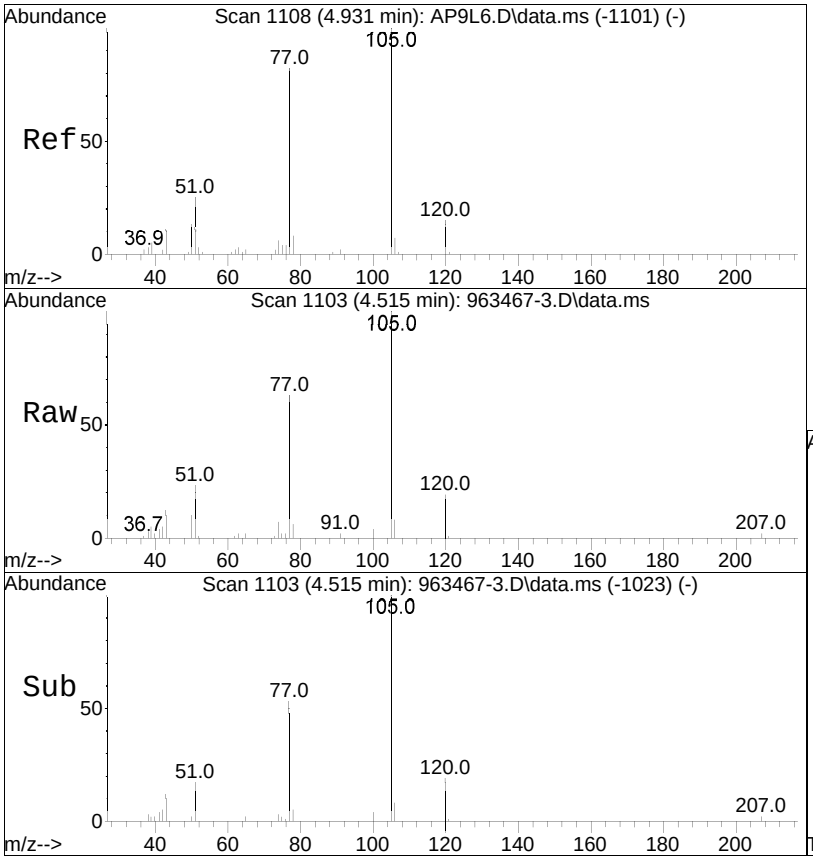


#28
Benzaldehyde
Concen: 1.22 ug/ml
RT: 3.657 min Scan# 827
Delta R.T. 0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:105 Resp: 6569

Ion	Ratio	Lower	Upper
105	100		
77	89.1	82.2	123.4

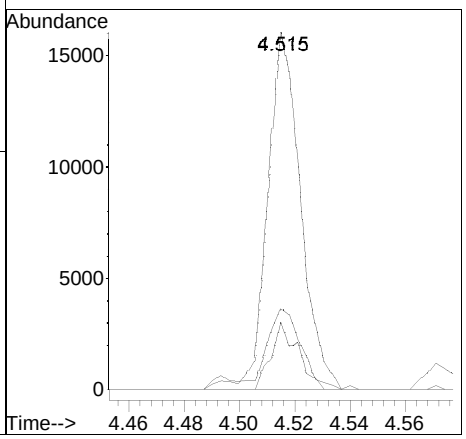


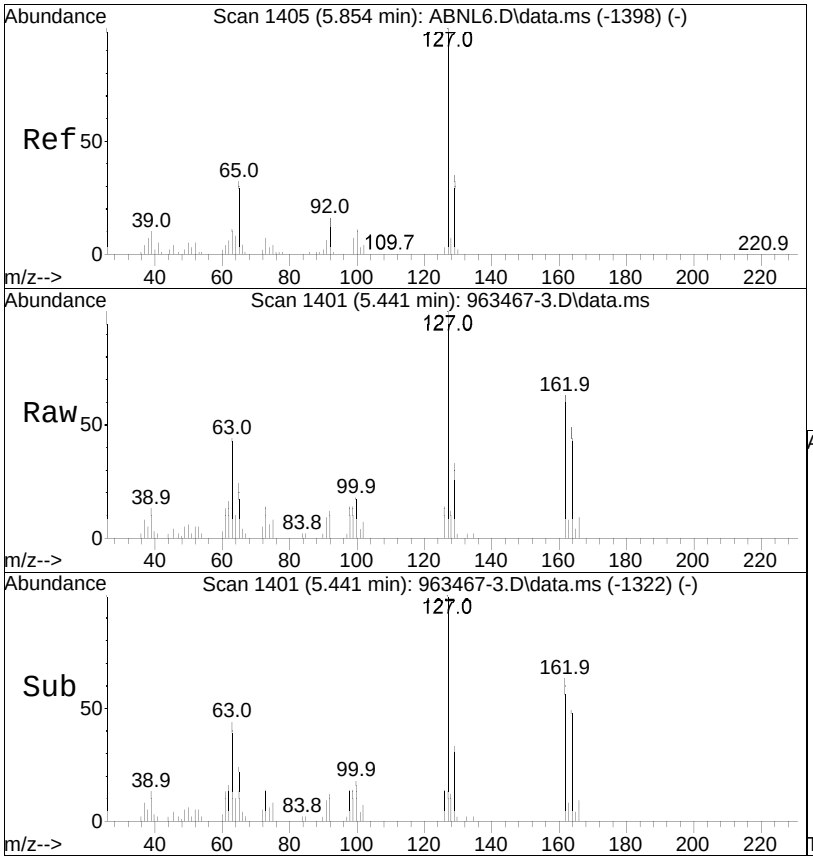


#29
Acetophenone
Concen: 1.43 ug/ml
RT: 4.515 min Scan# 1103
Delta R.T. -0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:105 Resp: 13160

Ion	Ratio	Lower	Upper
105	100		
120	15.2	20.5	30.7#
51	23.6	34.9	52.3#

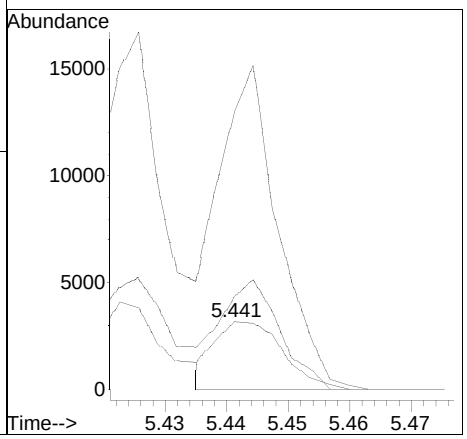


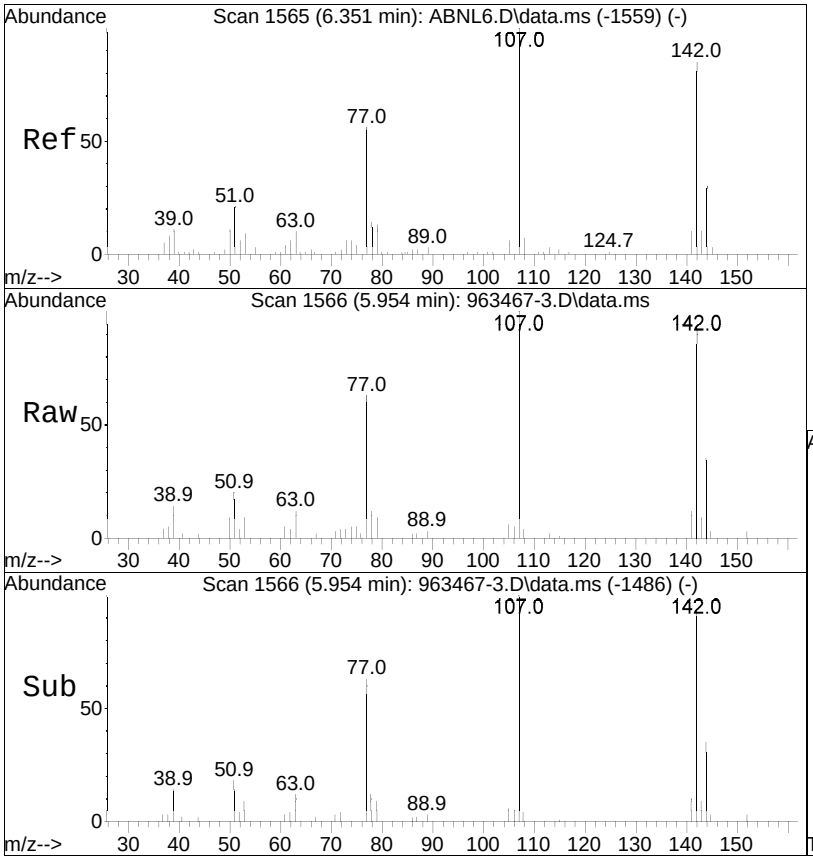


#38
4-Chloroaniline
Concen: 0.98 ug/ml
RT: 5.441 min Scan# 1401
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 65 Resp: 2430

Ion	Ratio	Lower	Upper
65	100		
127	415.1	237.6	356.4#
129	141.4	76.3	114.5#

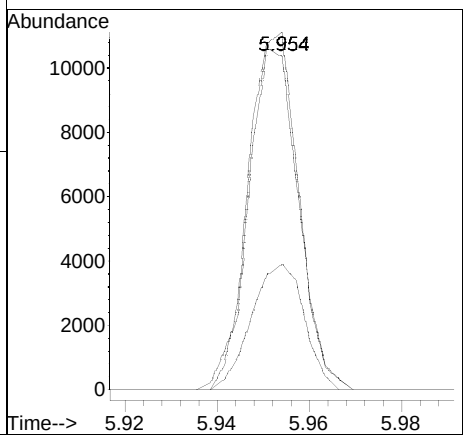


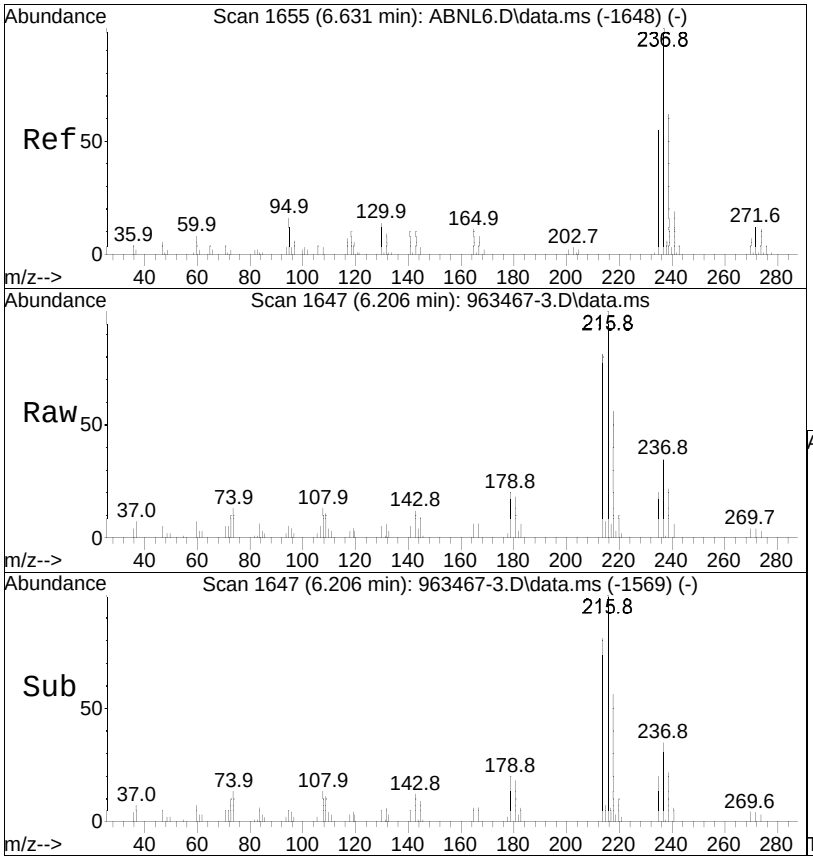


#40
p-Chloro-m-cresol
Concen: 1.46 ug/ml
RT: 5.954 min Scan# 1566
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:107 Resp: 8292

Ion	Ratio	Lower	Upper
107	100		
144	37.2	20.9	31.3#
142	96.0	66.1	99.1

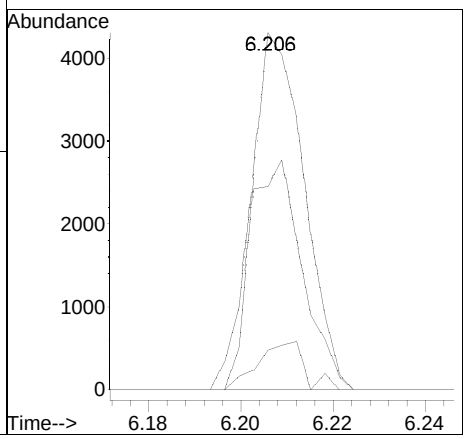


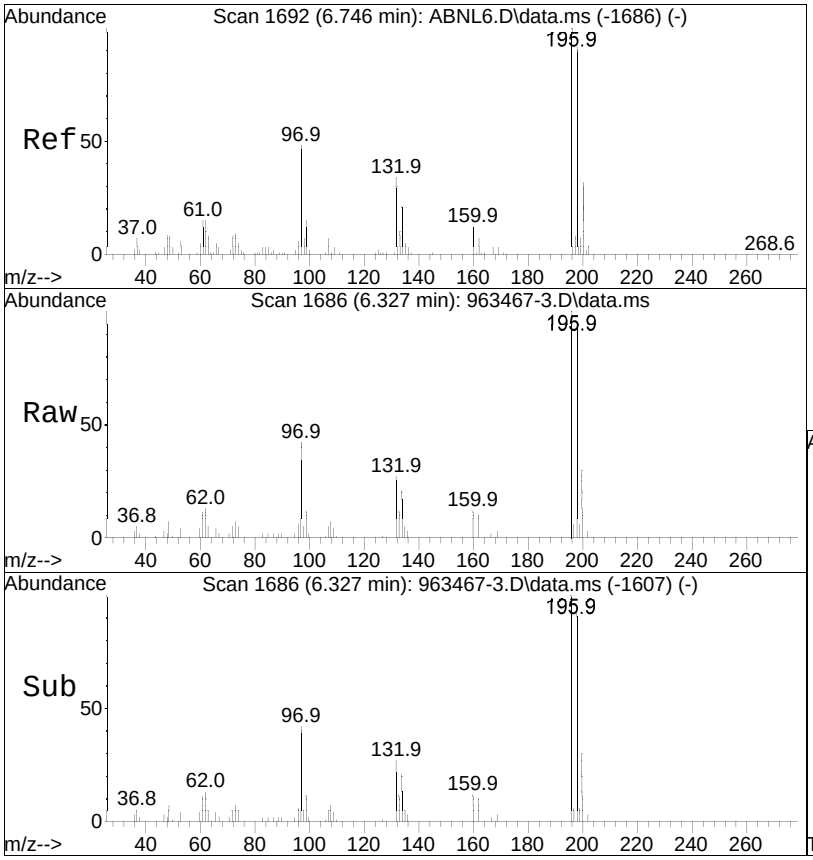


#43
Hexachlorocyclopentadiene
Concen: 0.61 ug/ml
RT: 6.206 min Scan# 1647
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:237 Resp: 3447

Ion	Ratio	Lower	Upper
237	100		
235	63.1	49.7	74.5
272	0.0	9.8	14.6#

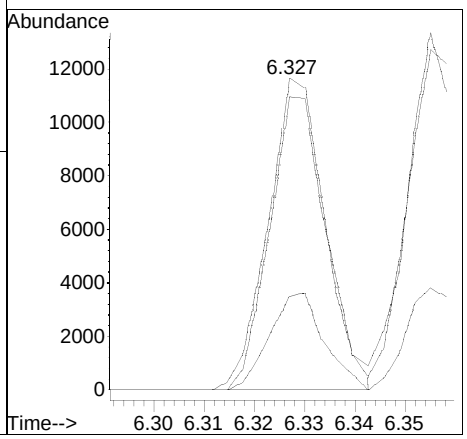


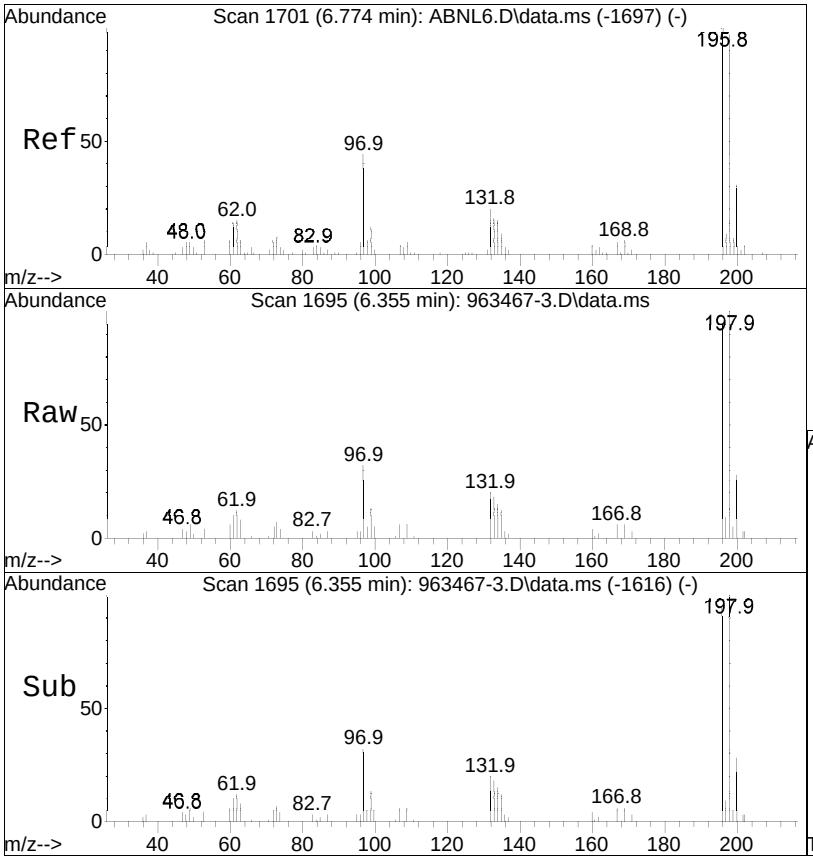


#44
2,4,6-Trichlorophenol
Concen: 1.57 ug/ml
RT: 6.327 min Scan# 1686
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:196 Resp: 9087

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.5	116.3
200	29.9	23.8	35.6

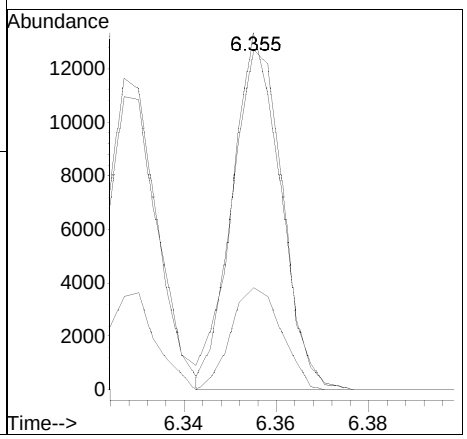


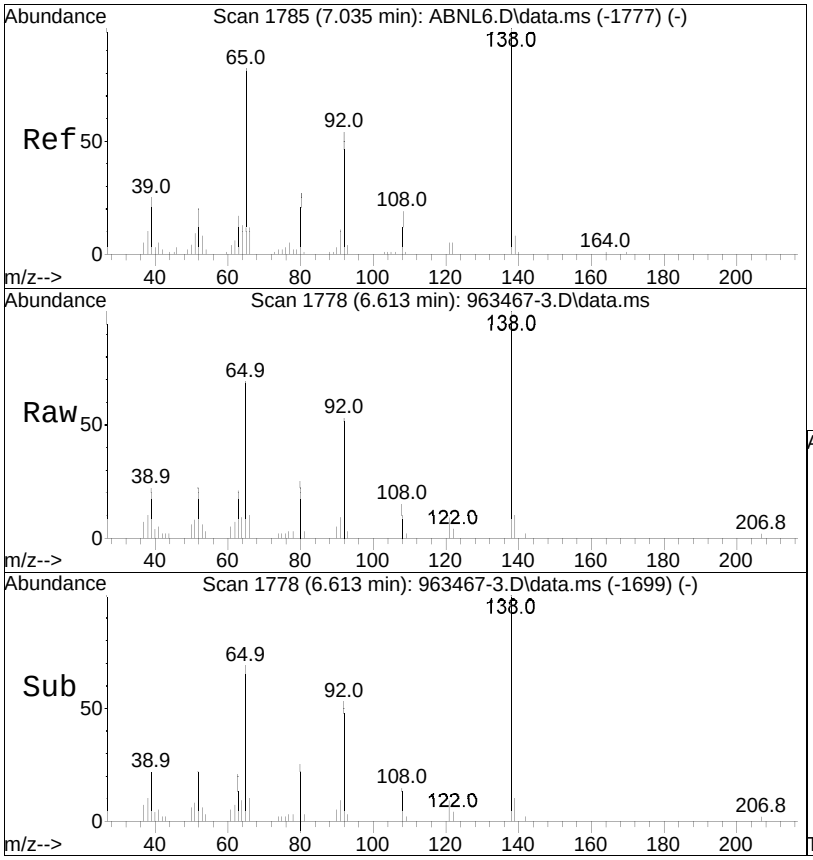


#45
2,4,5-Trichlorophenol
Concen: 1.57 ug/ml
RT: 6.355 min Scan# 1695
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:196 Resp: 9741

Ion	Ratio	Lower	Upper
196	100		
200	29.9	25.4	38.0
198	99.7	78.0	117.0

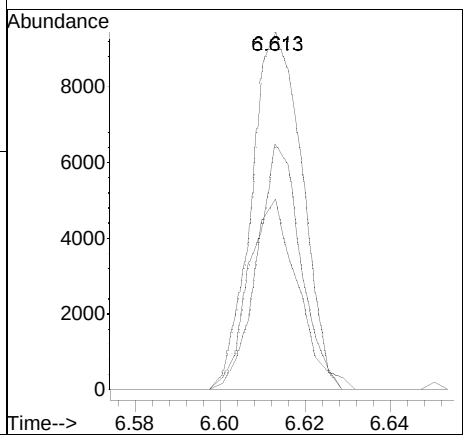


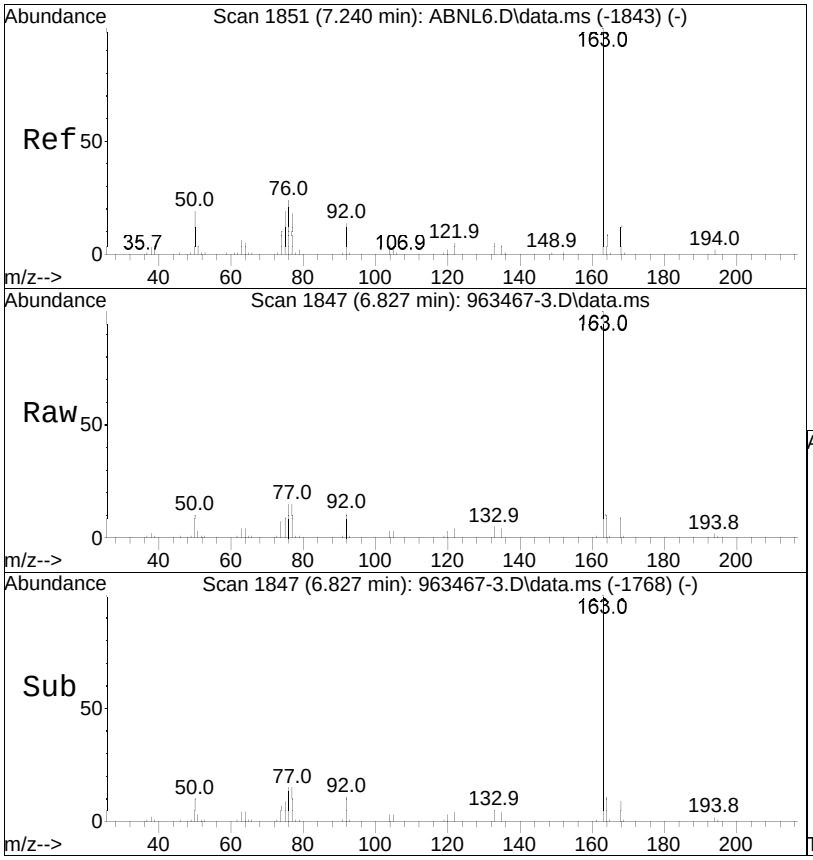


#48
2-Nitroaniline
Concen: 1.80 ug/ml
RT: 6.613 min Scan# 1778
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:138 Resp: 7817

Ion	Ratio	Lower	Upper
138	100		
92	46.9	53.5	80.3#
65	62.6	86.3	129.5#

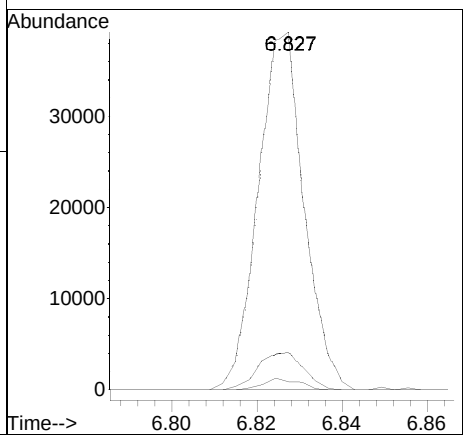


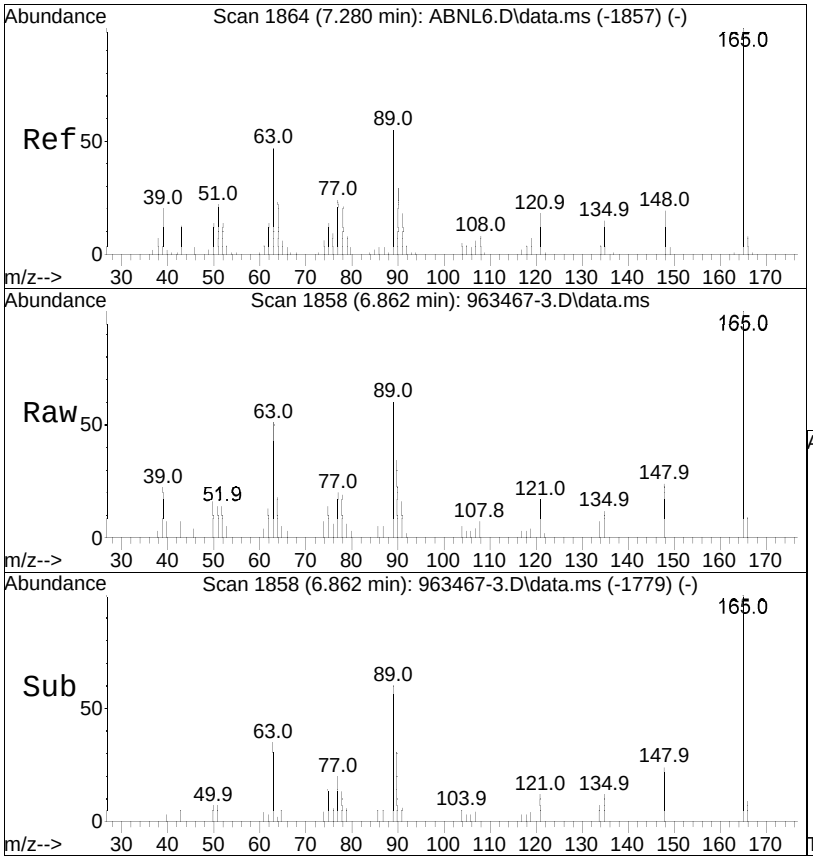


#51
Dimethyl phthalate
Concen: 1.43 ug/ml
RT: 6.827 min Scan# 1847
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:163 Resp: 28988

Ion	Ratio	Lower	Upper
163	100		
194	2.5	3.5	5.3#
164	10.5	7.9	11.9

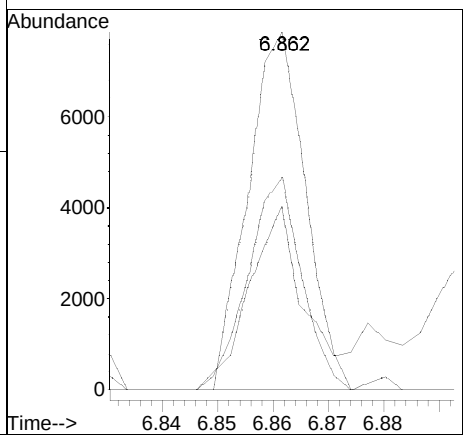


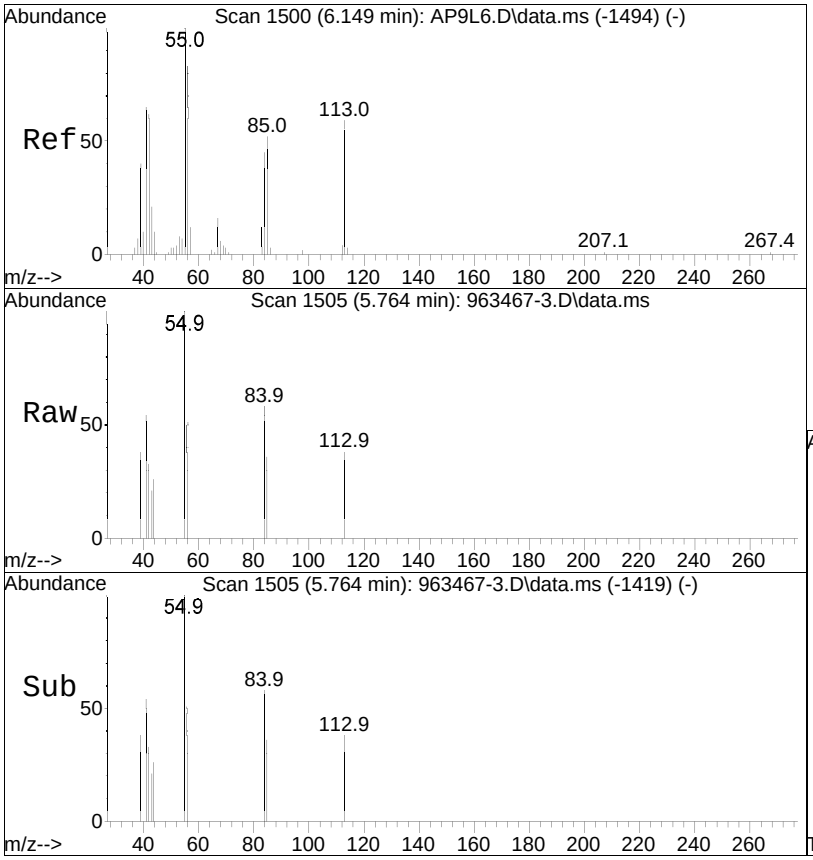


#53
2,6-Dinitrotoluene
Concen: 1.41 ug/ml
RT: 6.862 min Scan# 1858
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:165 Resp: 5642

Ion	Ratio	Lower	Upper
165	100		
89	55.8	54.2	81.2
63	48.4	64.2	96.2#

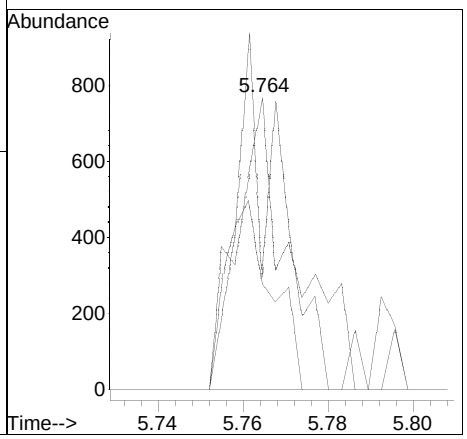


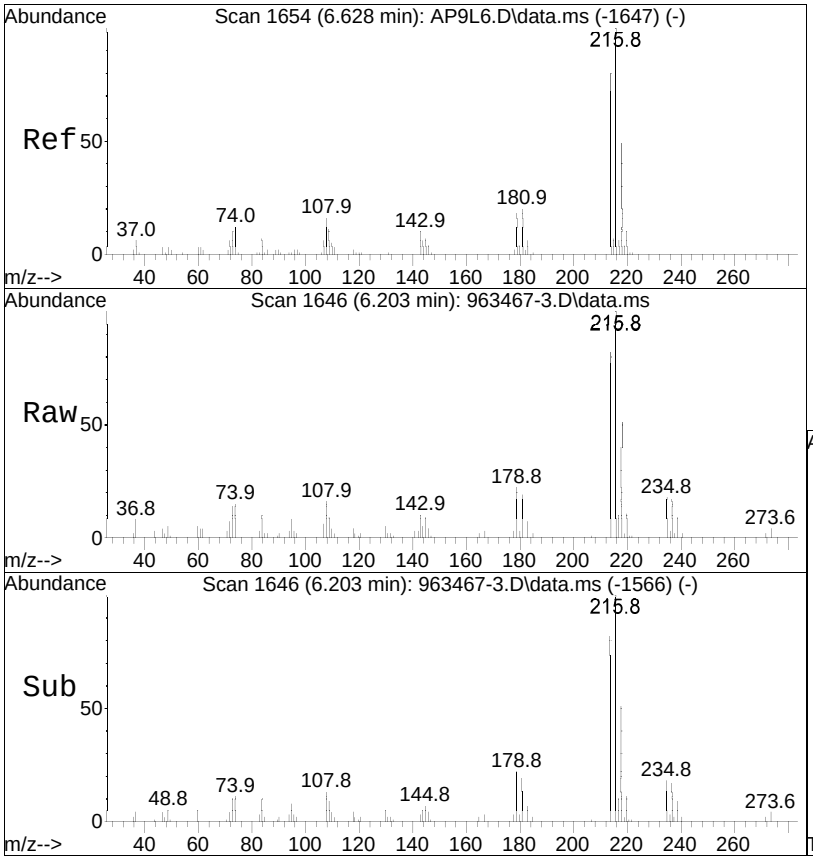


#60
Caprolactam
Concen: 0.27 ug/ml
RT: 5.764 min Scan# 1505
Delta R.T. 0.018 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 55 Resp: 706

Ion	Ratio	Lower	Upper
55	100		
85	0.0	19.8	29.6#
113	91.4	29.6	44.4#

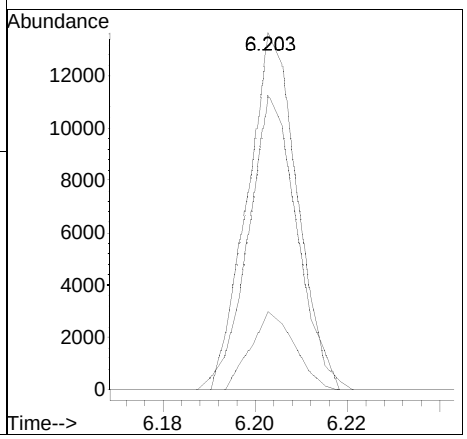


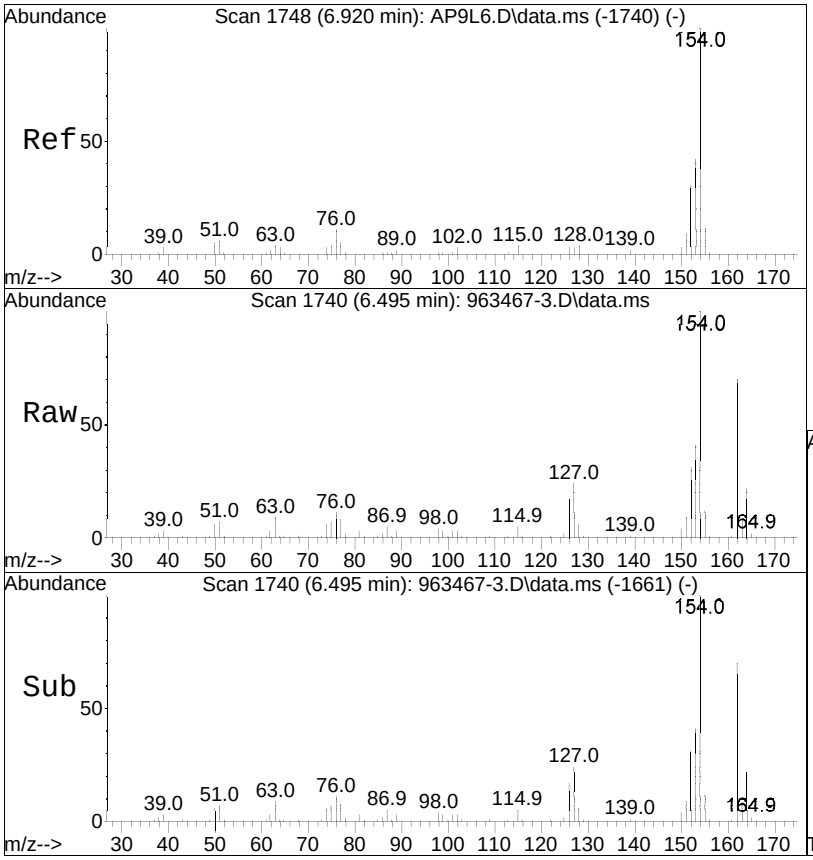


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.04 ug/ml
RT: 6.203 min Scan# 1646
Delta R.T. -0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:216 Resp: 10180

Ion	Ratio	Lower	Upper
216	100		
214	80.9	63.7	95.5
179	19.4	19.0	28.6

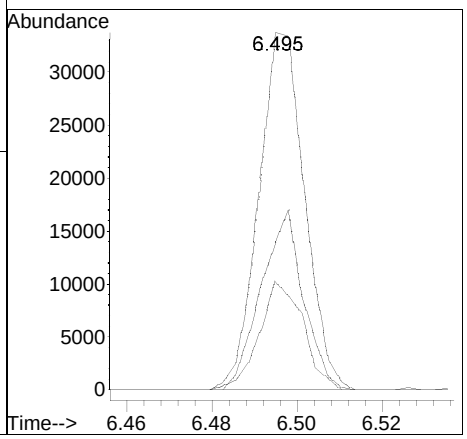


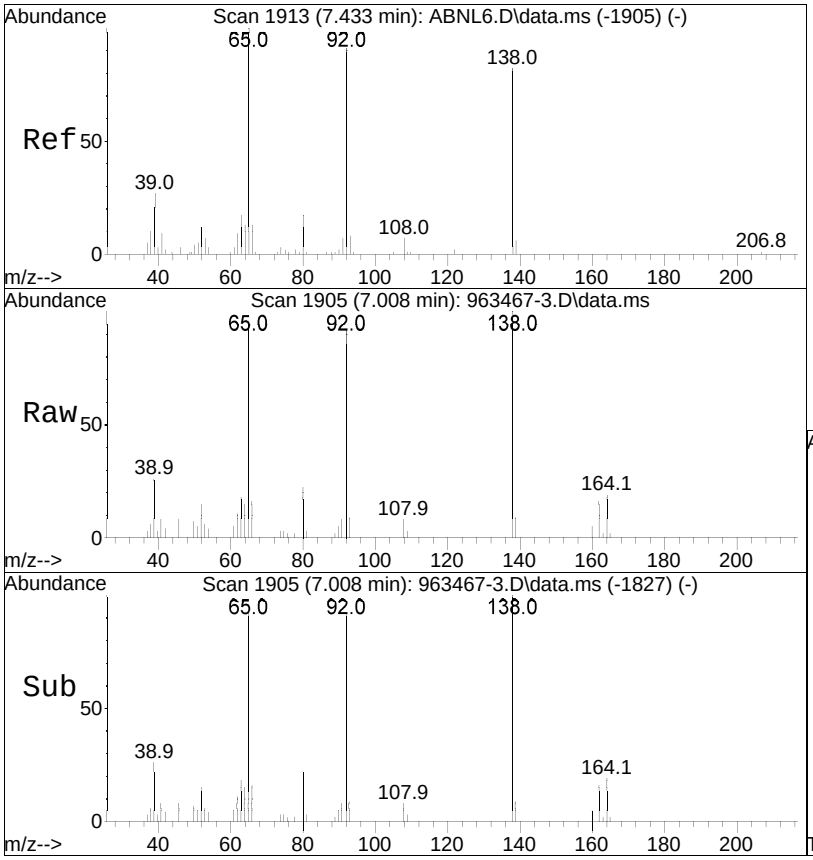


#62
Biphenyl
Concen: 1.20 ug/ml
RT: 6.495 min Scan# 1740
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:154 Resp: 25135

Ion	Ratio	Lower	Upper
154	100		
153	46.5	32.3	48.5
152	29.3	22.5	33.7

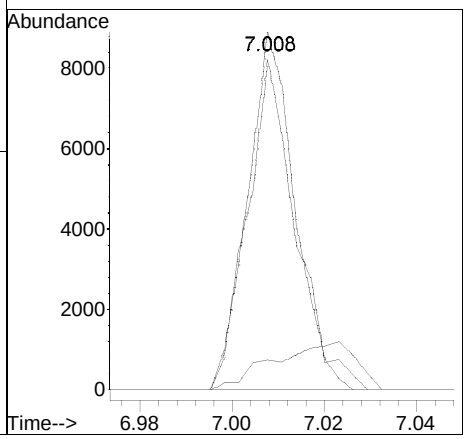


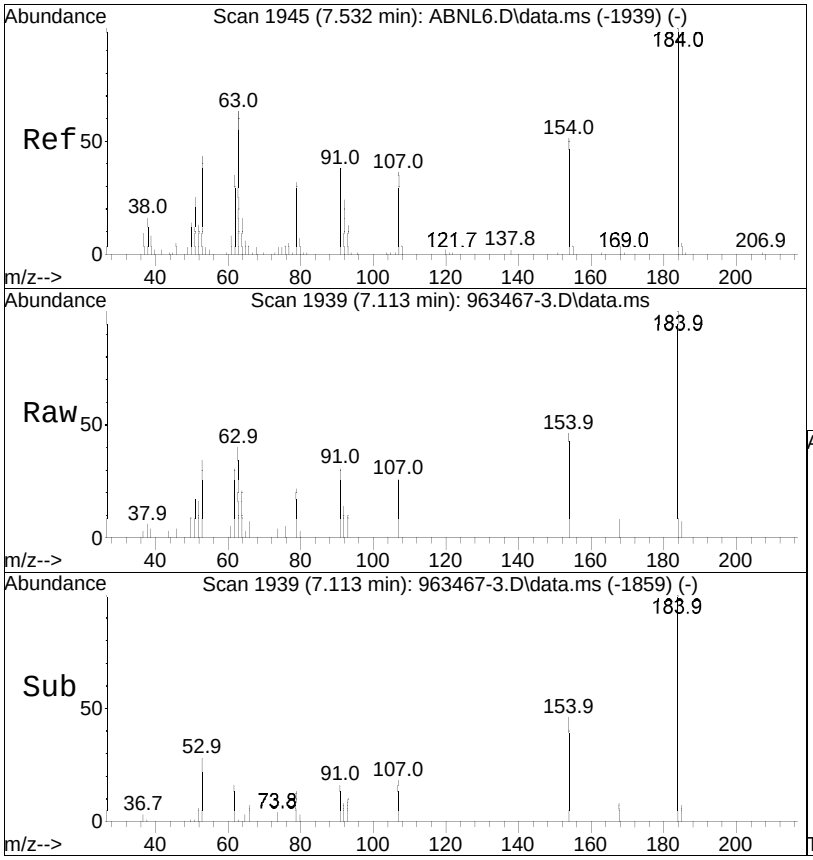


#64
3-Nitroaniline
Concen: 1.57 ug/ml
RT: 7.008 min Scan# 1905
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:138 Resp: 6282

Ion	Ratio	Lower	Upper
138	100		
92	94.6	93.4	140.2
108	23.3	9.5	14.3#

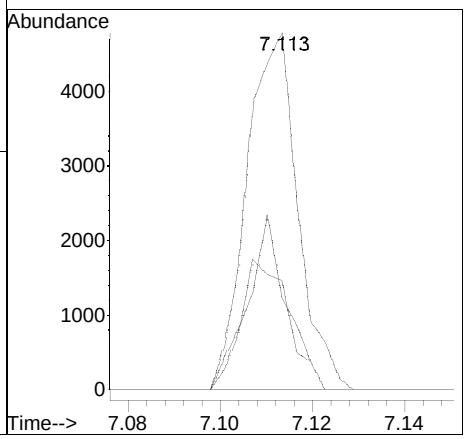


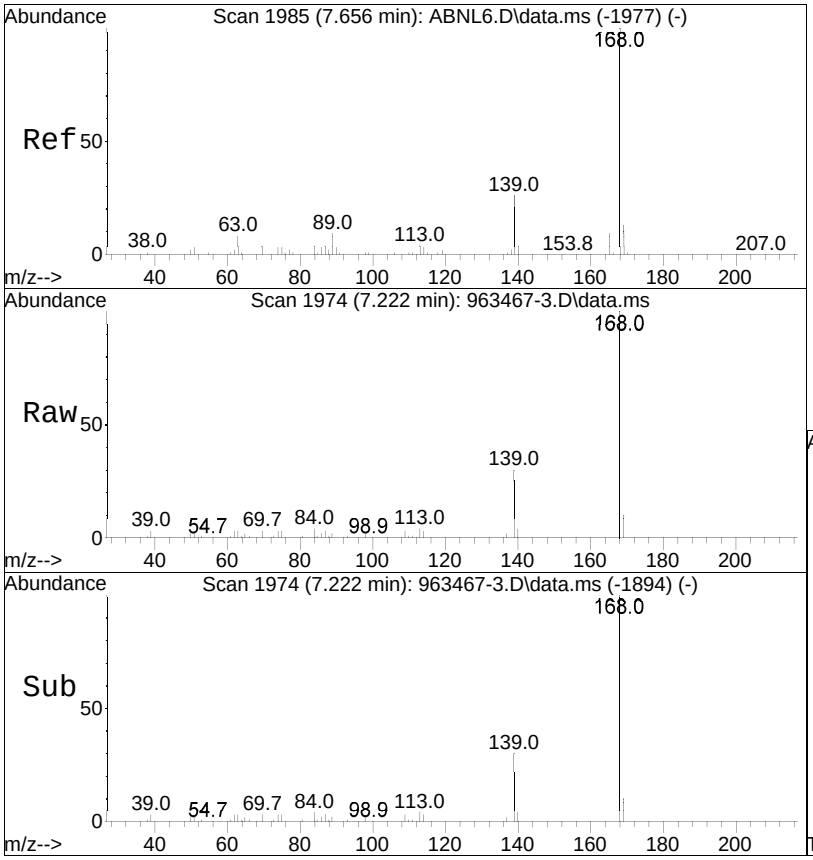


#66
2,4-Dinitrophenol
Concen: 1.49 ug/ml
RT: 7.113 min Scan# 1939
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:184 Resp: 3648

Ion	Ratio	Lower	Upper
184	100		
107	37.8	37.7	56.5
91	34.2	46.3	69.5#

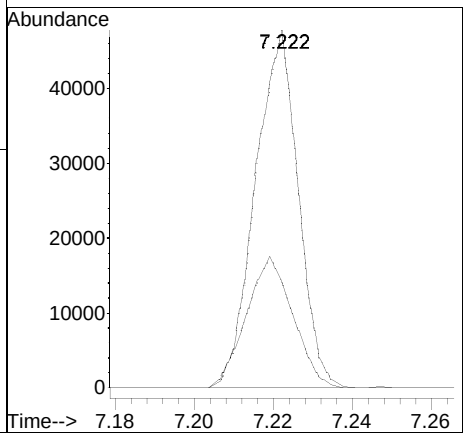


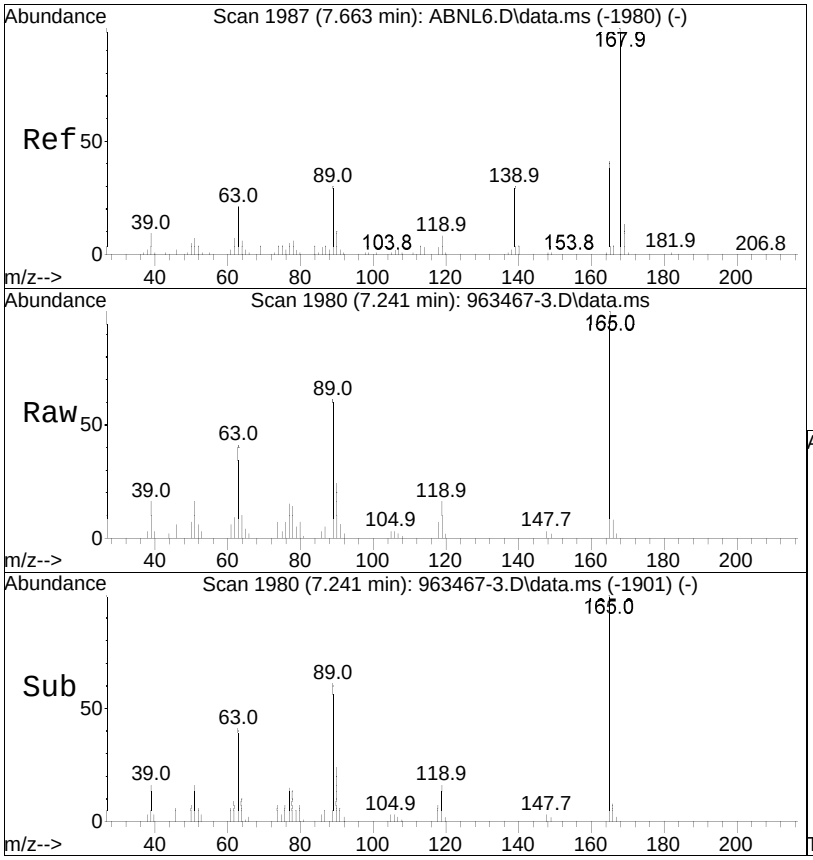


#67
Dibenzofuran
Concen: 1.39 ug/ml
RT: 7.222 min Scan# 1974
Delta R.T. 0.000 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:168 Resp: 35499

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.4	47.2

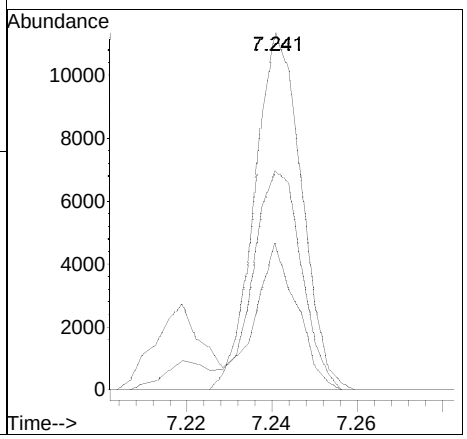


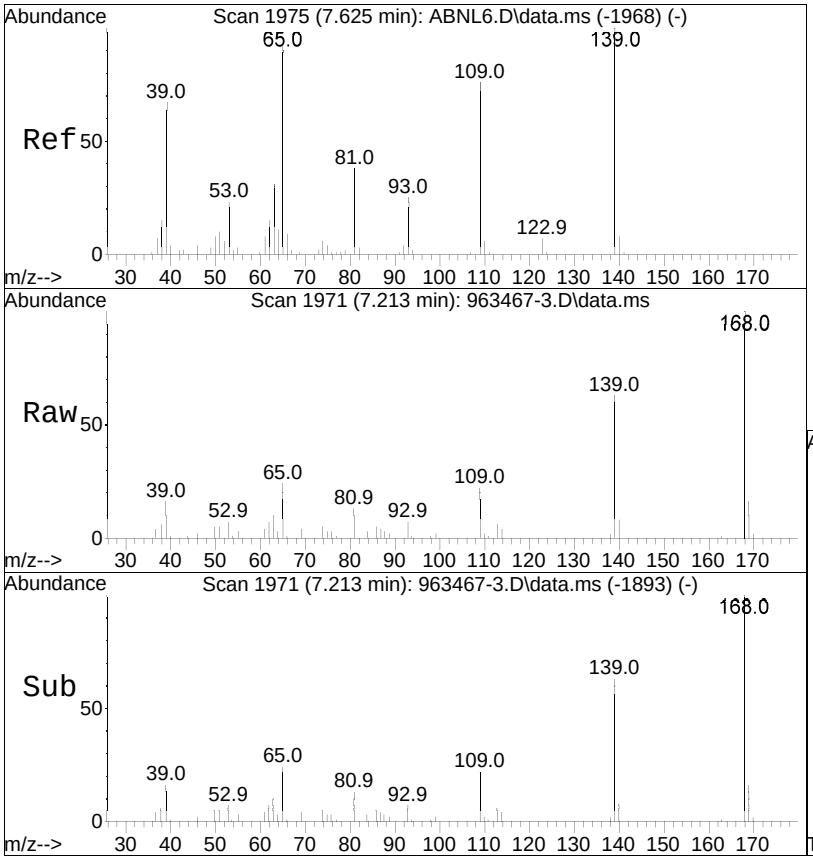


#68
2,4-Dinitrotoluene
Concen: 1.60 ug/ml
RT: 7.241 min Scan# 1980
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:165 Resp: 8678

Ion	Ratio	Lower	Upper
165	100		
89	63.6	72.0	108.0#
63	36.5	52.7	79.1#

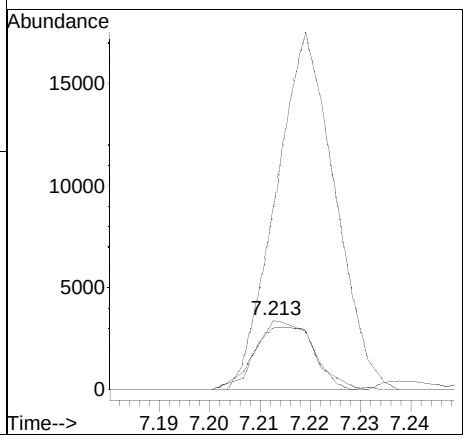


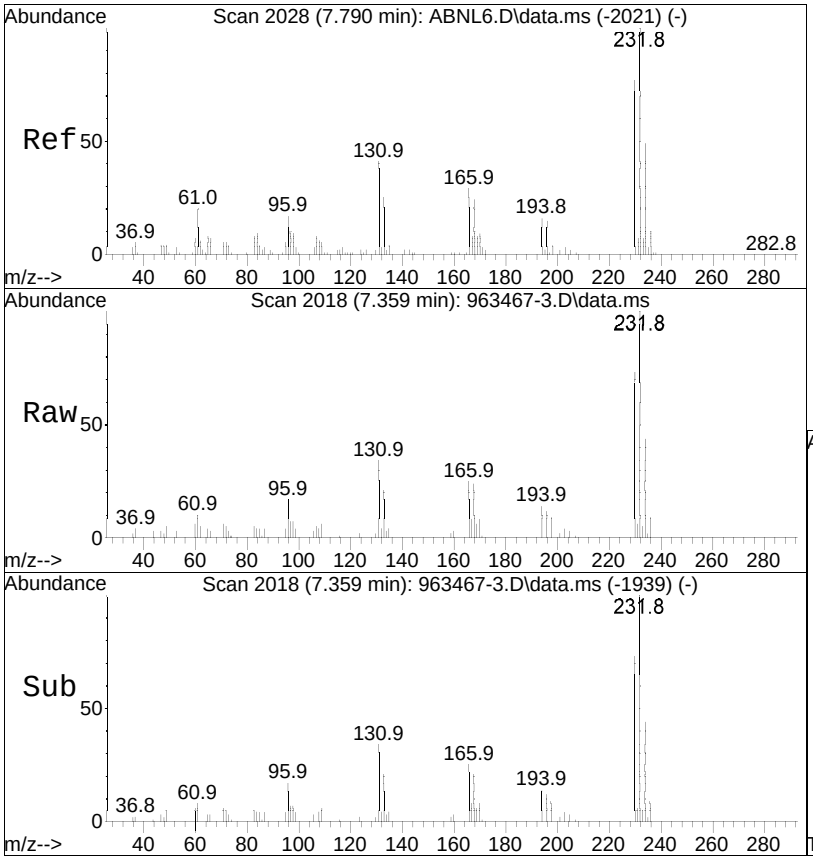


#69
4-Nitrophenol
Concen: 0.82 ug/ml
RT: 7.213 min Scan# 1971
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion: 65 Resp: 2747

Ion	Ratio	Lower	Upper
65	100		
109	94.3	47.4	71.2#
139	517.4	76.6	115.0#

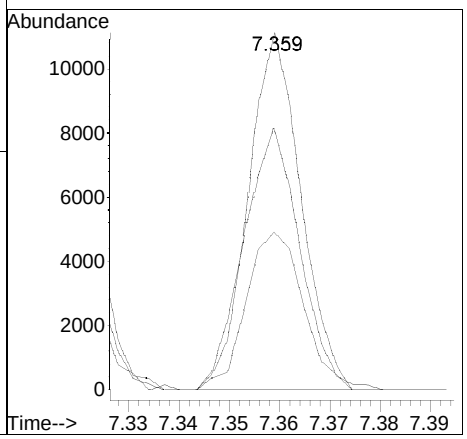


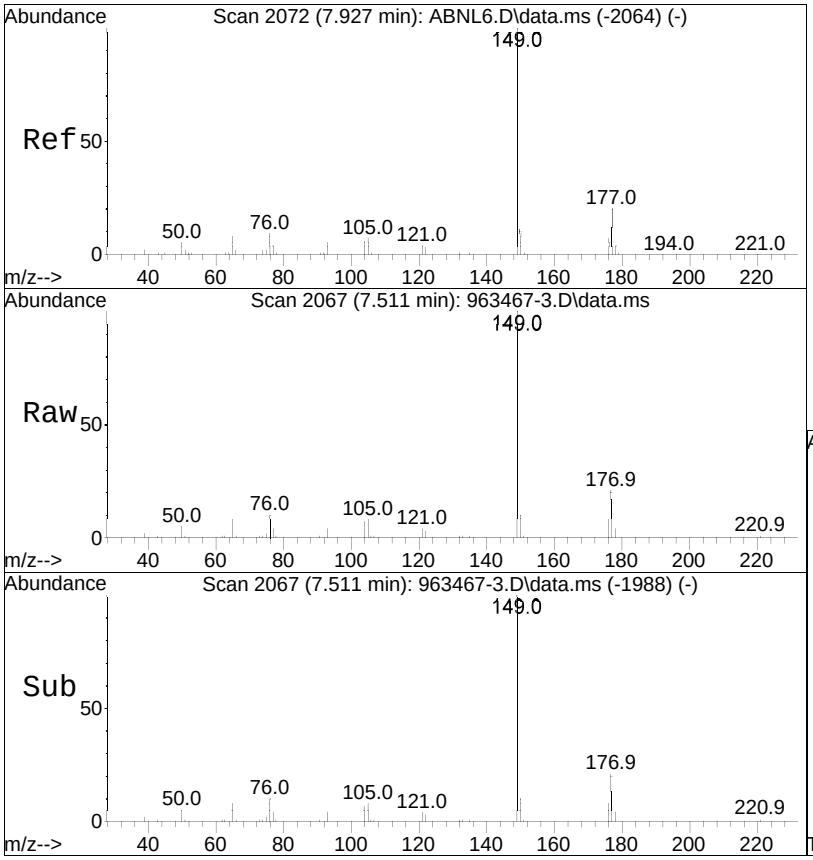


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.52 ug/ml
RT: 7.359 min Scan# 2018
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:232 Resp: 8201

Ion	Ratio	Lower	Upper
232	100		
230	75.9	61.8	92.8
234	47.1	36.2	54.2

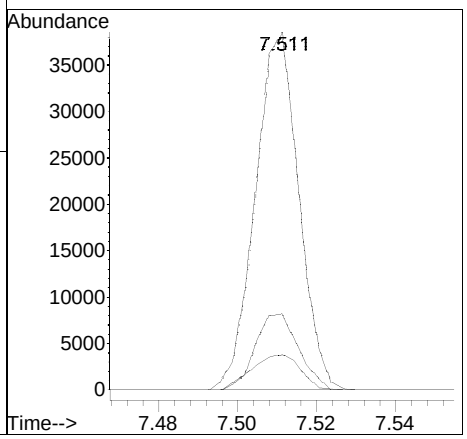


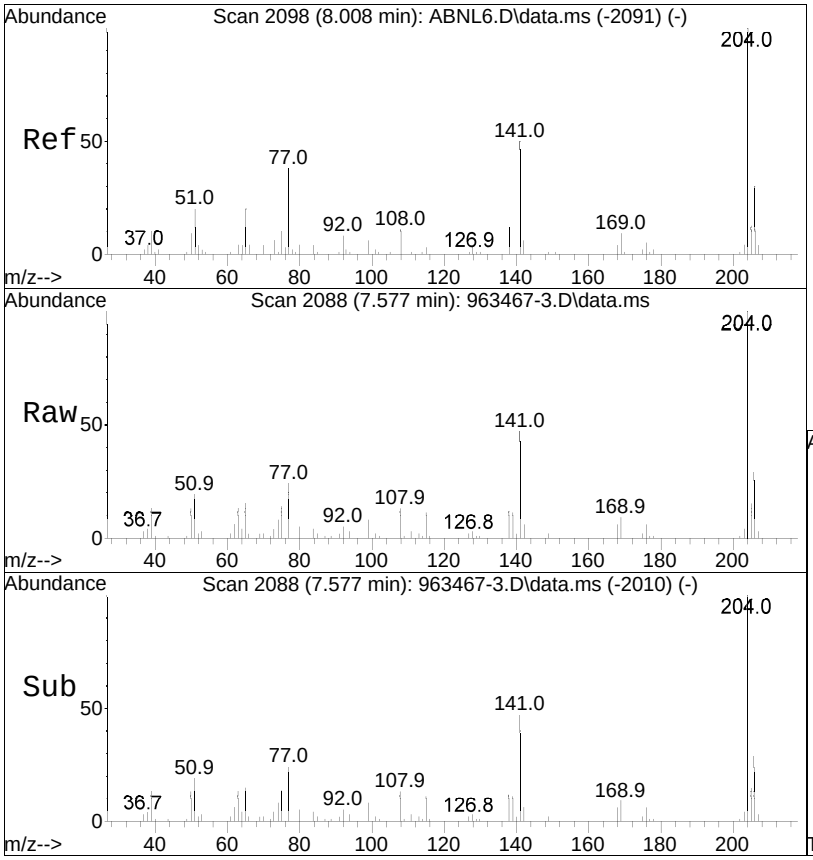


#72
Diethyl phthalate
Concen: 1.40 ug/ml
RT: 7.511 min Scan# 2067
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:149 Resp: 29072

Ion	Ratio	Lower	Upper
149	100		
177	21.5	16.1	24.1
150	11.1	9.4	14.2

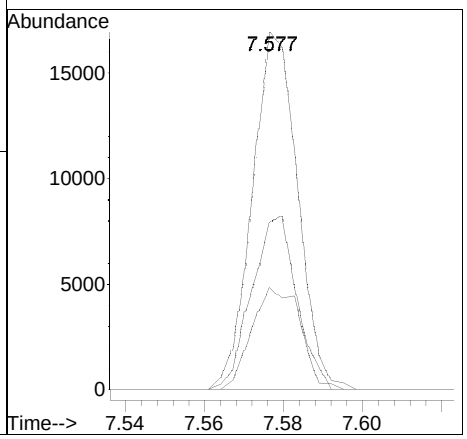


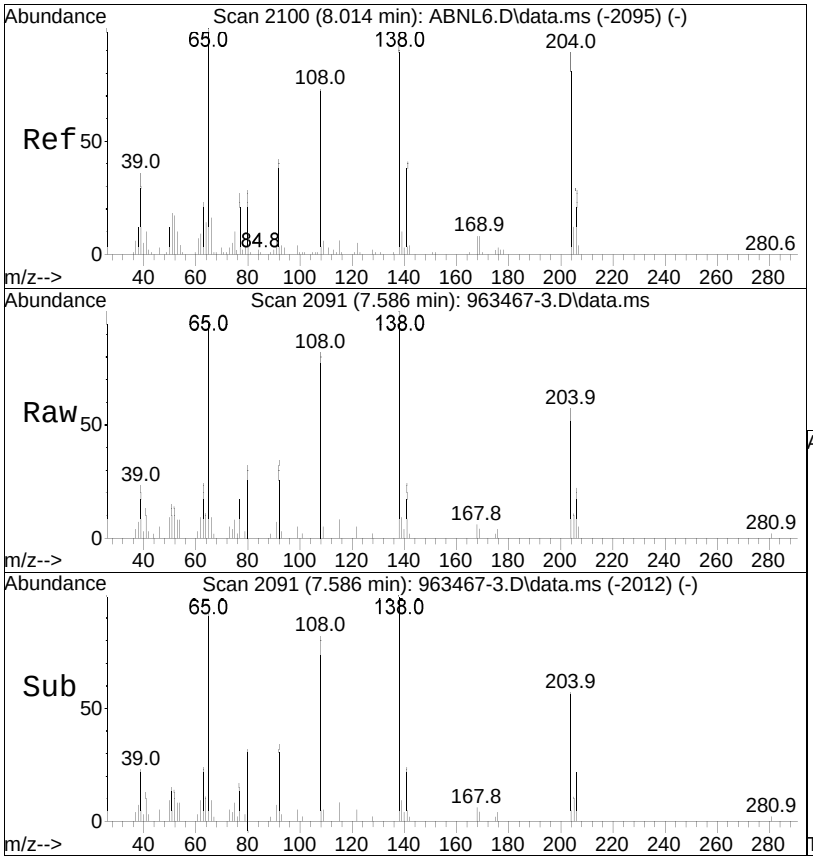


#74
4-Chlorophenyl phenyl ether
Concen: 1.35 ug/ml
RT: 7.577 min Scan# 2088
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:204 Resp: 13411

Ion	Ratio	Lower	Upper
204	100		
206	30.8	25.8	38.6
141	48.4	53.6	80.4#

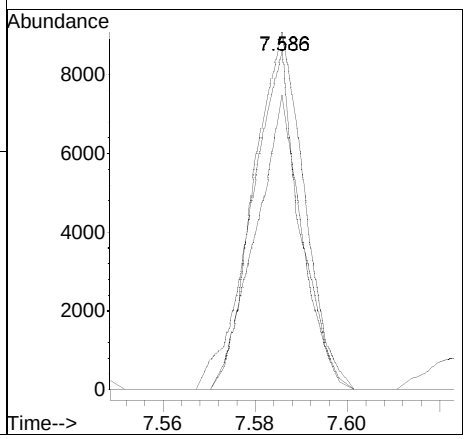


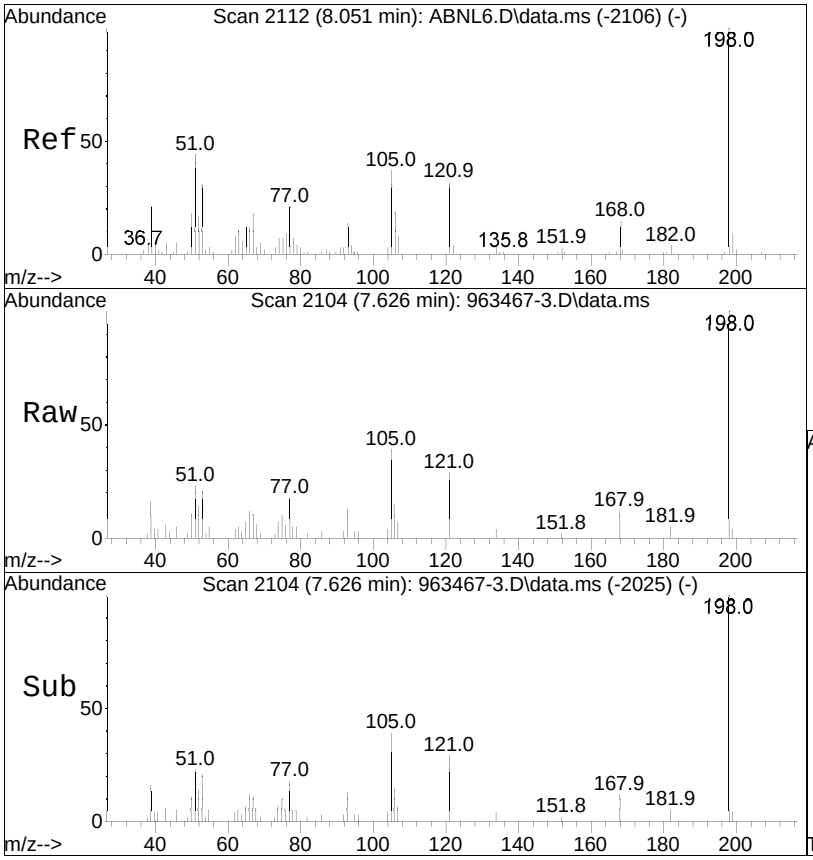


#75
4-Nitroaniline
Concen: 1.75 ug/ml
RT: 7.586 min Scan# 2091
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:138 Resp: 6877

Ion	Ratio	Lower	Upper
138	100		
108	75.8	52.1	78.1
65	91.8	115.0	172.6#

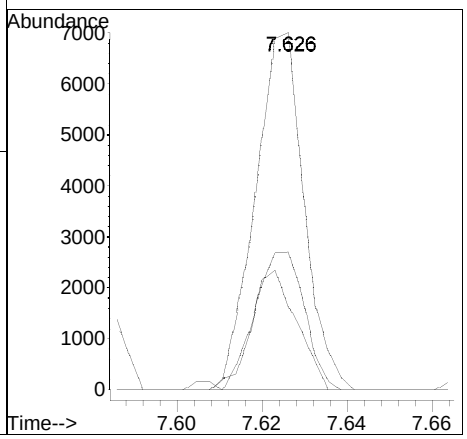


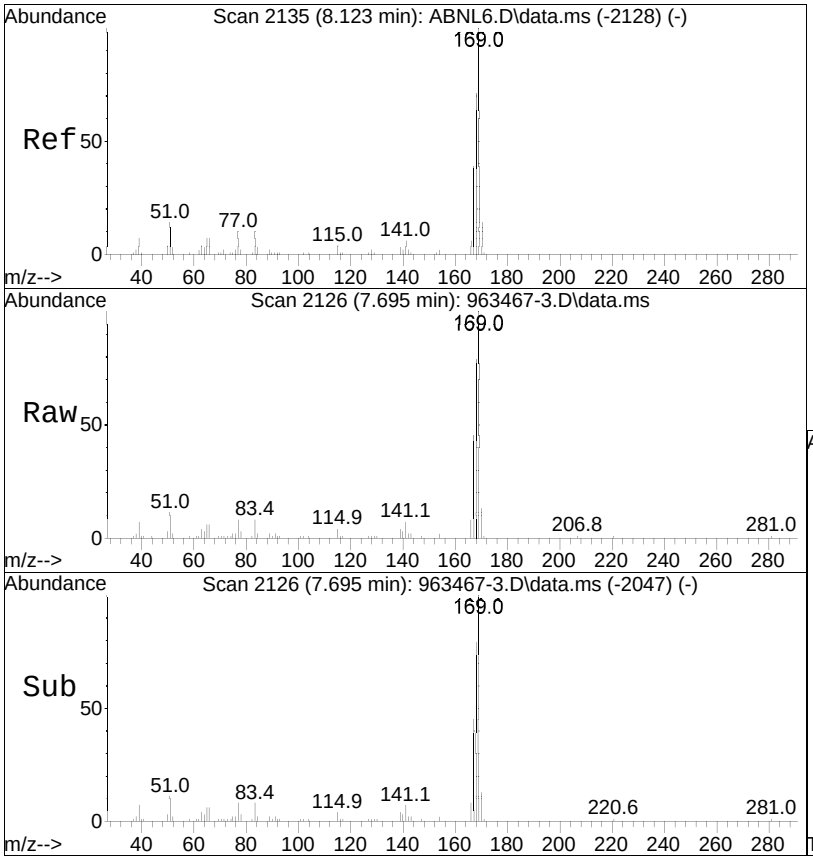


#76
4,6-Dinitro-o-cresol
Concen: 1.62 ug/ml
RT: 7.626 min Scan# 2104
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:198 Resp: 5557

Ion	Ratio	Lower	Upper
198	100		
51	31.5	76.0	114.0#
105	40.6	45.6	68.4#

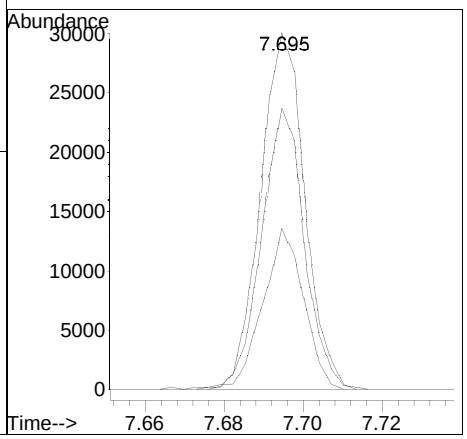


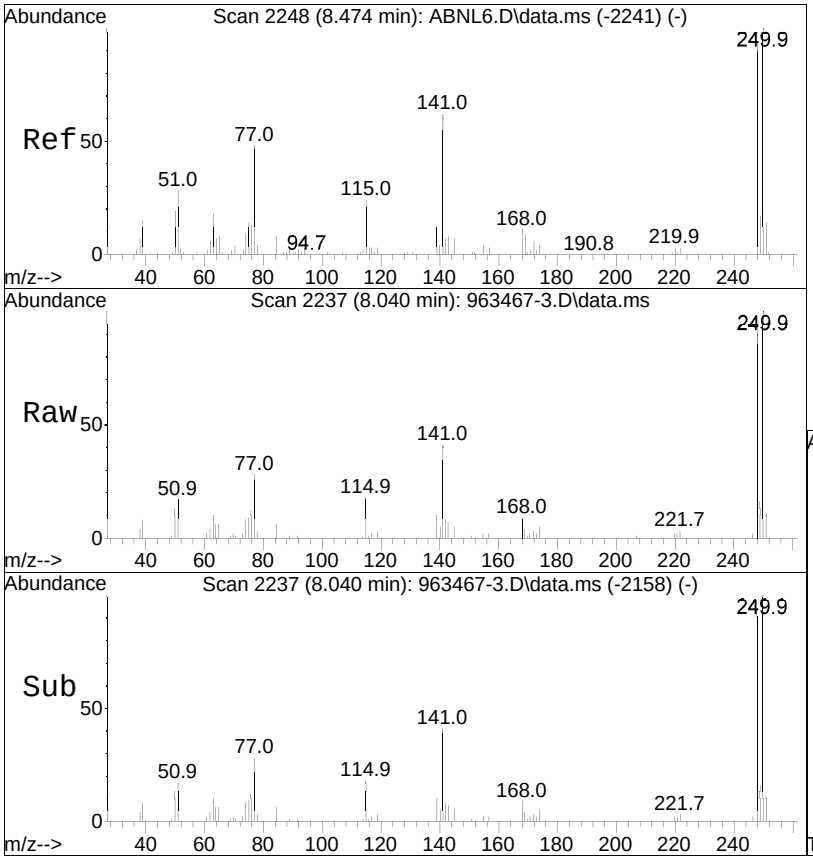


#77
NDPA/DPA
Concen: 1.40 ug/ml
RT: 7.695 min Scan# 2126
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:169 Resp: 23372

Ion	Ratio	Lower	Upper
169	100		
168	76.2	54.0	81.0
167	42.0	28.6	42.8

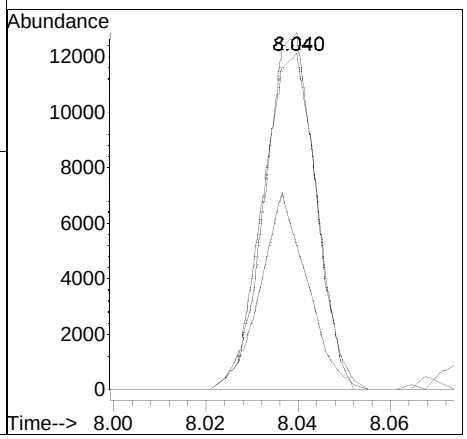


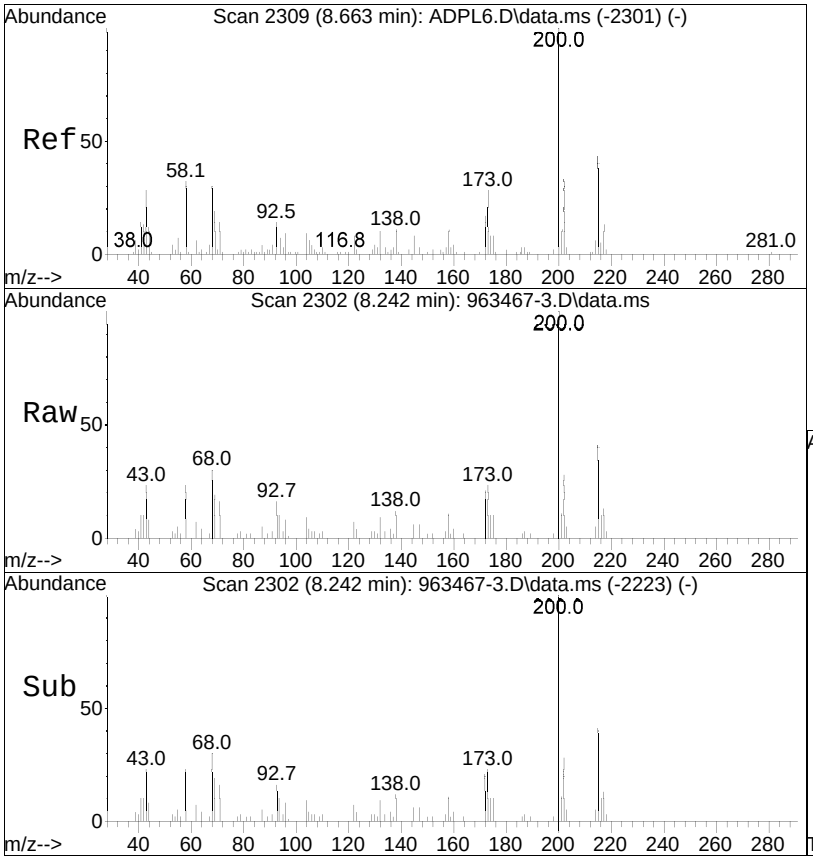


#80
4-Bromophenyl phenyl ether
Concen: 1.47 ug/ml
RT: 8.040 min Scan# 2237
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:248 Resp: 9683

Ion	Ratio	Lower	Upper
248	100		
141	51.6	76.6	114.8#
250	100.9	77.3	115.9

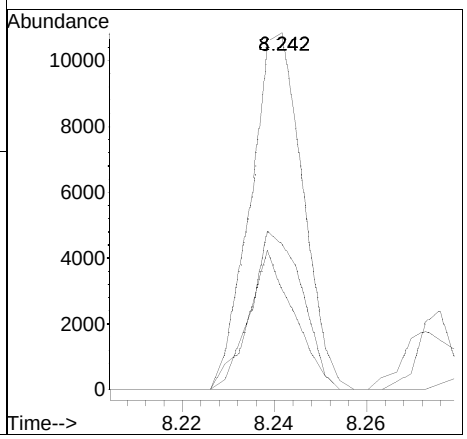


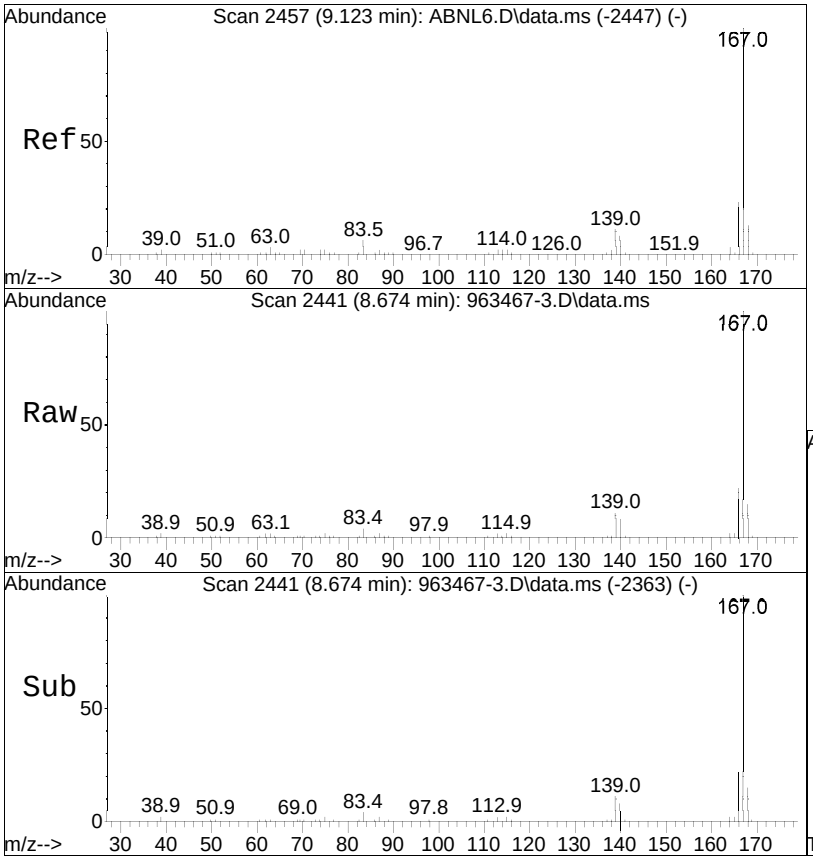


#87
Atrazine
Concen: 1.41 ug/ml
RT: 8.242 min Scan# 2302
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:200 Resp: 8508

Ion	Ratio	Lower	Upper
200	100		
202	34.2	25.8	38.6
215	43.2	40.2	60.4

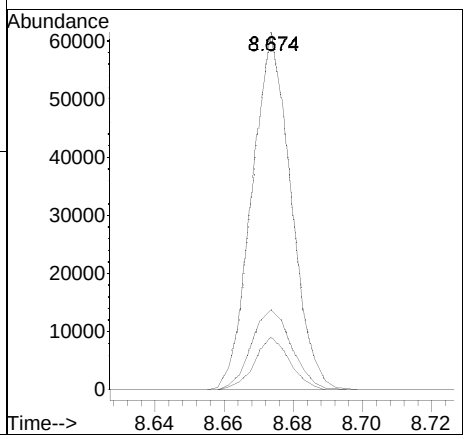


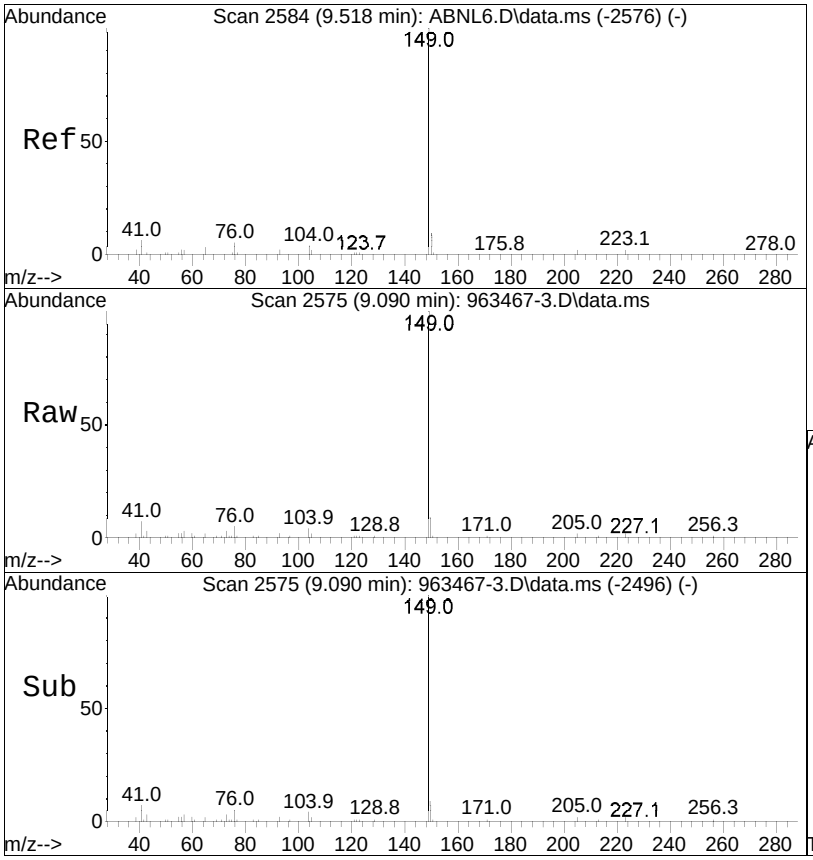


#91
Carbazole
Concen: 1.61 ug/ml
RT: 8.674 min Scan# 2441
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:167 Resp: 47690

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	23.4	17.4	26.0

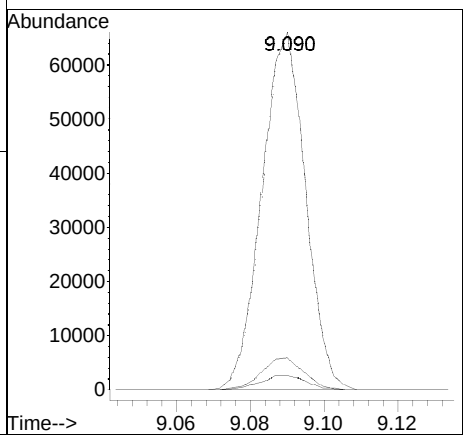


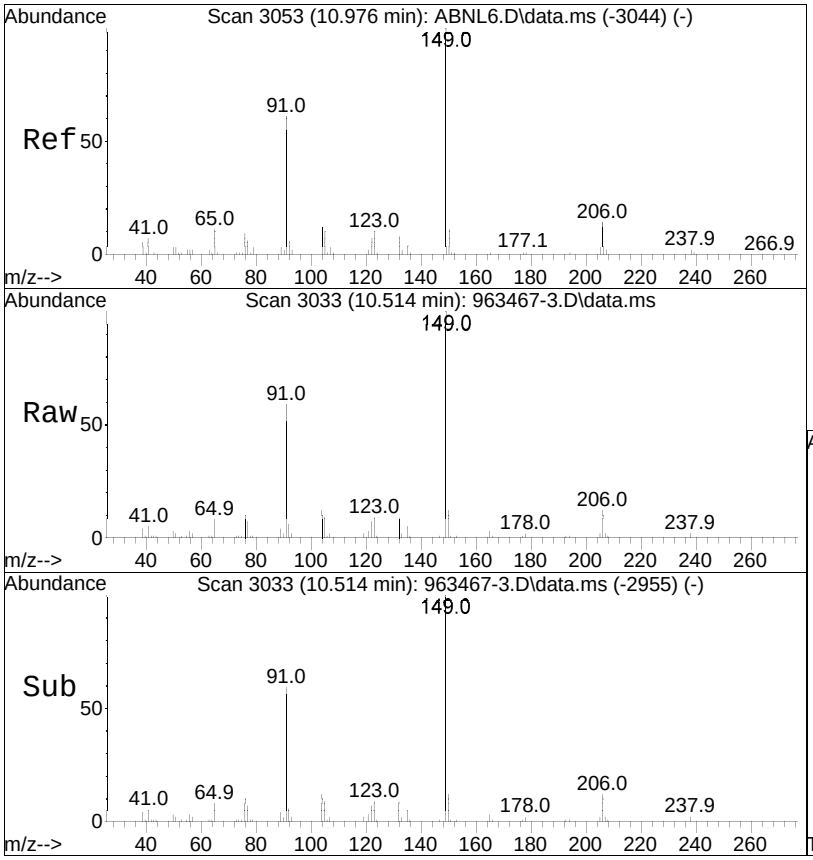


#92
Di-n-butylphthalate
Concen: 1.57 ug/ml
RT: 9.090 min Scan# 2575
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:149 Resp: 53559

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	4.3	4.5	6.7#

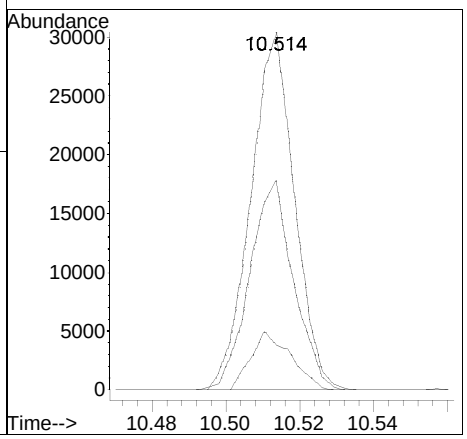


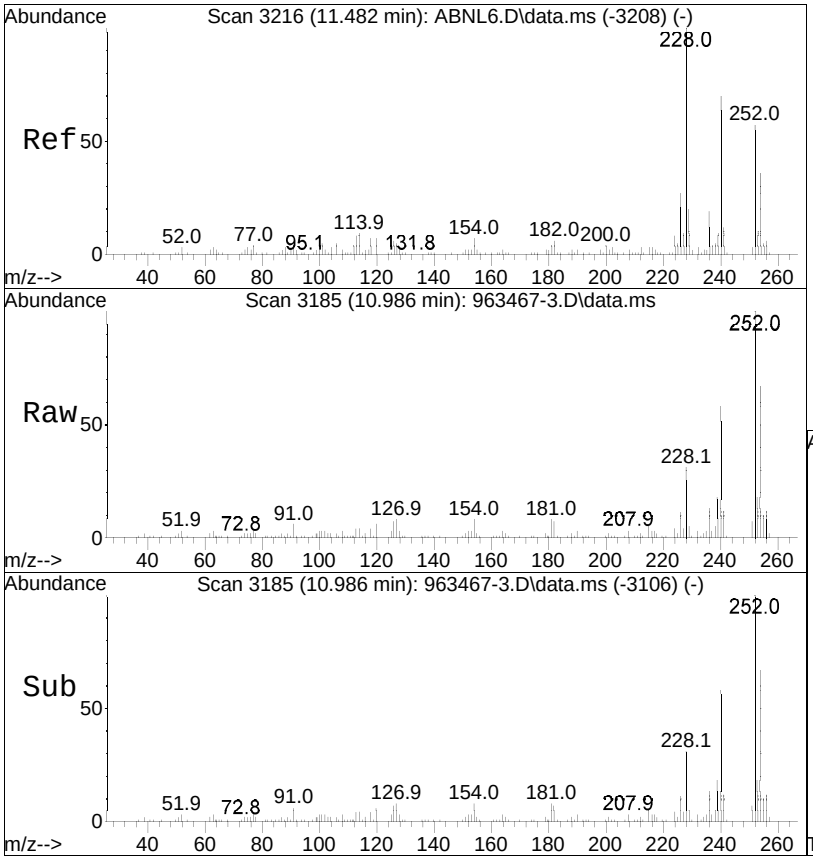


#97
Butyl benzyl phthalate
Concen: 1.61 ug/ml
RT: 10.514 min Scan# 3033
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:149 Resp: 24747

Ion	Ratio	Lower	Upper
149	100		
91	59.0	63.3	94.9#
206	15.0	13.9	20.9

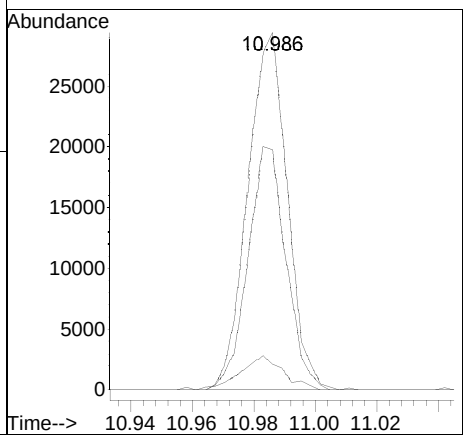


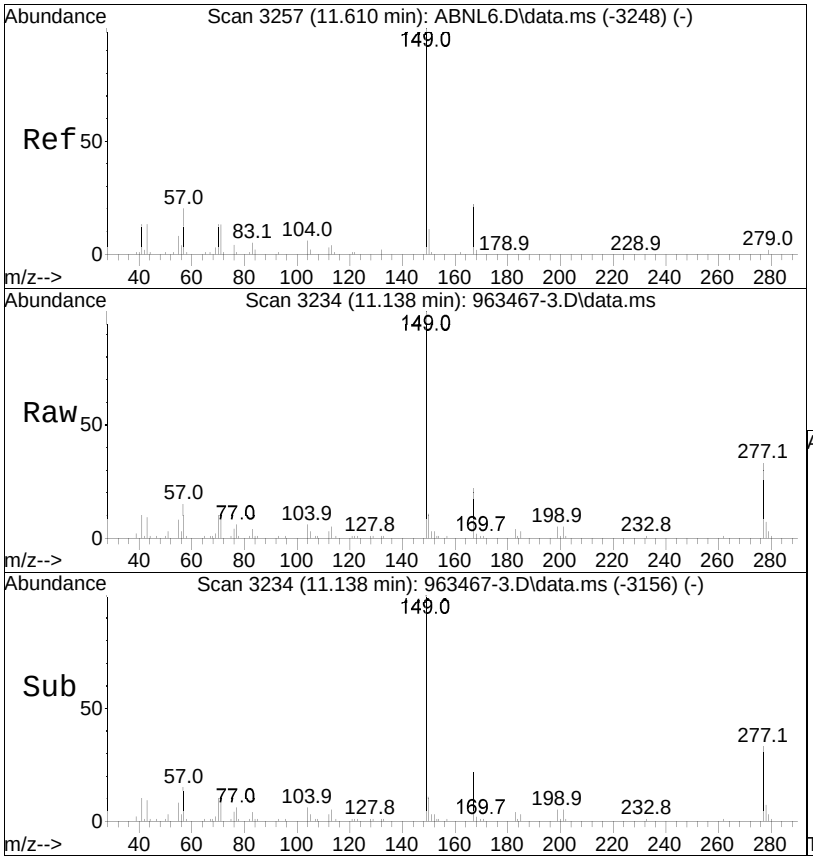


#106
3,3'-Dichlorobenzidine
Concen: 1.49 ug/ml
RT: 10.986 min Scan# 3185
Delta R.T. -0.003 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:252 Resp: 26175

Ion	Ratio	Lower	Upper
252	100		
126	10.5	14.5	21.7#
254	65.4	51.2	76.8

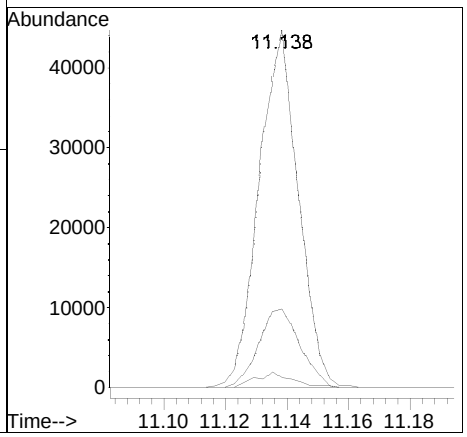


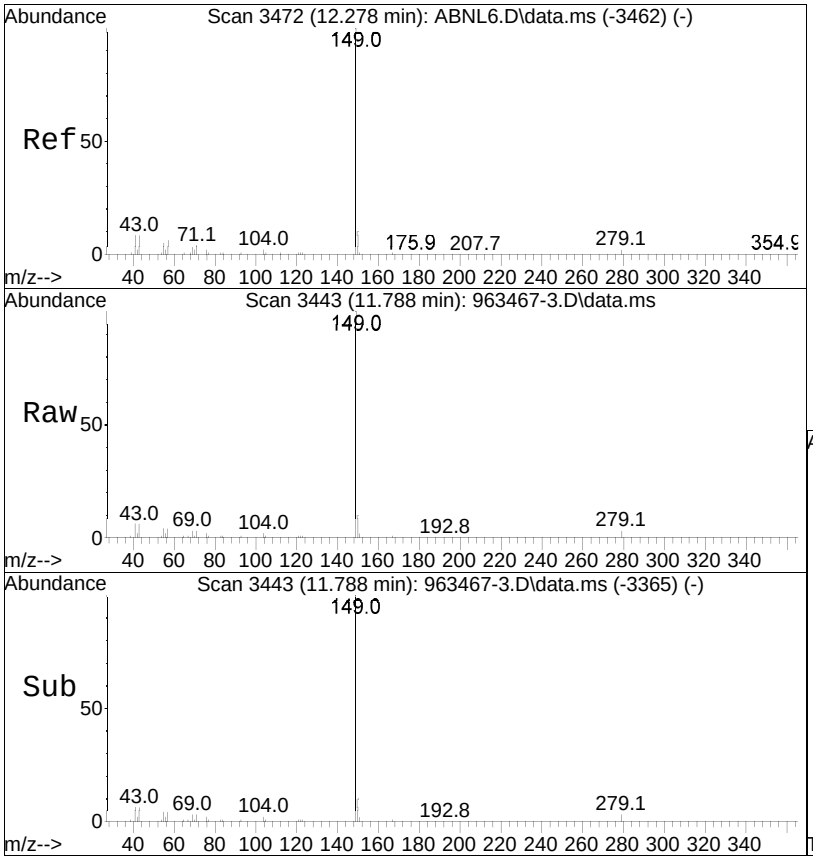


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.48 ug/ml
RT: 11.138 min Scan# 3234
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:149 Resp: 39307

Ion	Ratio	Lower	Upper
149	100		
167	23.3	22.1	33.1
279	3.9	3.0	4.4

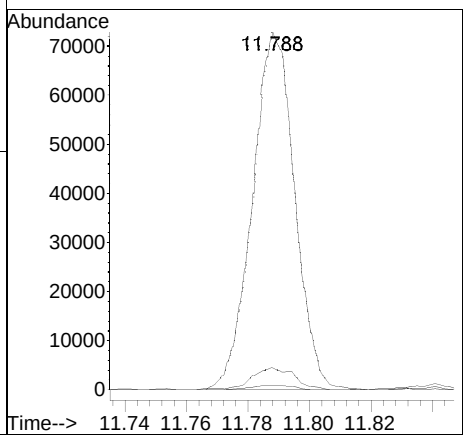




#109
Di-n-octylphthalate
Concen: 1.55 ug/ml
RT: 11.788 min Scan# 3443
Delta R.T. -0.006 min
Lab File: 963467-3.D
Acq: 26 Aug 2024 12:14 am

Tgt Ion:149 Resp: 68748

Ion	Ratio	Lower	Upper
149	100		
43	6.4	18.8	28.2#
167	1.3	1.3	1.9#



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-3.D
Acq On : 27 Aug 2024 11:14 am
Operator : SV106:im
Sample : WG1964120-3,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 13:45:28 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.228	152	36675	4.000	ug/ml	# 0.00
Standard Area 1 = 45917			Recovery = 79.87%			
27) IS2_1,4-Dichlorobenzen...	6.228	152	36675	4.000	ug/ml	# 0.00
Standard Area 3 = 36294			Recovery = 101.05%			
32) IS3_1,4-Dichlorobenzen...	6.228	152	36675	4.000	ug/ml	# 0.00
Standard Area 2 = 41791			Recovery = 87.76%			
35) IS1_Naphthalene-d8	7.675	136	136960	4.000	ug/ml	# 0.00
Standard Area 1 = 173745			Recovery = 78.83%			
55) IS2_Naphthalene-d8	7.675	136	136960	4.000	ug/ml	# 0.00
Standard Area 3 = 126390			Recovery = 108.36%			
63) IS1_Acenaphthene-d10	9.433	164	86275	4.000	ug/ml	0.00
Standard Area 1 = 117972			Recovery = 73.13%			
83) IS2_Acenaphthene-d10	9.433	164	86275	4.000	ug/ml	0.00
Standard Area 3 = 82293			Recovery = 104.84%			
86) IS3_Acenaphthene-d10	9.433	164	86275	4.000	ug/ml	0.00
Standard Area 2 = 99896			Recovery = 86.36%			
88) IS1_Phenanthrene-d10	10.869	188	171603	4.000	ug/ml	# 0.00
Standard Area 1 = 251960			Recovery = 68.11%			
100) IS3_Phenanthrene-d10	10.869	188	171603	4.000	ug/ml	# 0.00
Standard Area 2 = 214594			Recovery = 79.97%			
104) IS1_Chrysene-d12	13.486	240	161613	4.000	ug/ml	# 0.00
Standard Area 1 = 246745			Recovery = 65.50%			
113) IS1_Perylene-d12	14.939	264	175244	4.000	ug/ml	0.01
Standard Area 1 = 274826			Recovery = 63.77%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.175	112	11998	1.132	ug/ml	0.02
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.60%			
7) Phenol-d6	5.869	99	13361	0.921	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.05%			
19) Nitrobenzene-d5	6.904	82	12605	0.849	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.90%			
46) 2-Fluorobiphenyl	8.804	172	21567	0.613	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 61.30%			
79) 2,4,6-Tribromophenol	10.204	330	7397	1.376	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 68.80%			

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-3.D
Acq On : 27 Aug 2024 11:14 am
Operator : SV106:im
Sample : WG1964120-3,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 13:45:28 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.451	244	34289	0.743	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 74.30%

Target Compounds						Qvalue
6) 2-Chlorophenol	5.963	128	17165	1.454	ug/ml#	89
8) Phenol	5.886	94	14275	0.948	ug/ml#	87
9) Bis(2-chloroethyl)ether	5.951	93	18743	1.516	ug/ml#	67
14) Bis(2-chloroisopropyl)...	6.633	45	30882	1.555	ug/ml#	60
15) 2-Methylphenol	6.633	108	15650	1.443	ug/ml#	94
17) n-Nitrosodi-n-propylamine	6.781	70	18432	1.902	ug/ml#	83
18) 3-Methylphenol/4-Methy...	6.822	108	18090	1.543	ug/ml#	95
20) Nitrobenzene	6.922	77	24485	1.625	ug/ml#	87
21) Isophorone	7.210	82	46398	1.833	ug/ml#	89
22) 2-Nitrophenol	7.286	139	10062	1.586	ug/ml#	80
23) 2,4-Dimethylphenol	7.398	107	17344	1.454	ug/ml	86
24) Bis(2-chloroethoxy)met...	7.486	93	26801	1.644	ug/ml#	95
25) 2,4-Dichlorophenol	7.551	162	17343	1.534	ug/ml	96
28) Benzaldehyde	5.639	105	15793	1.451	ug/ml	97
29) Acetophenone	6.745	105	31279	1.581	ug/ml#	89
38) 4-Chloroaniline	7.786	65	8203	1.417	ug/ml	76
40) p-Chloro-m-cresol	8.322	107	20529	1.750	ug/ml#	86
43) Hexachlorocyclopentadiene	8.598	237	10440	0.908	ug/ml	98
44) 2,4,6-Trichlorophenol	8.716	196	16145	1.569	ug/ml	99
45) 2,4,5-Trichlorophenol	8.745	196	16833	1.528	ug/ml	97
48) 2-Nitroaniline	9.010	138	11950	1.426	ug/ml#	65
51) Dimethyl phthalate	9.216	163	51534	1.522	ug/ml#	98
53) 2,6-Dinitrotoluene	9.257	165	11652	1.598	ug/ml	96
60) Caprolactam	8.104	55	9110	1.267	ug/ml#	47
61) 1,2,4,5-Tetrachloroben...	8.592	216	23290	1.240	ug/ml	96
62) Biphenyl	8.892	154	50190	1.352	ug/ml	99
64) 3-Nitroaniline	9.410	138	11538	1.675	ug/ml#	68
66) 2,4-Dinitrophenol	9.516	184	7121	1.548	ug/ml#	56
67) Dibenzofuran	9.639	168	61821	1.480	ug/ml	97
68) 2,4-Dinitrotoluene	9.645	165	15079	1.472	ug/ml#	70
69) 4-Nitrophenol	9.610	65	10097	1.447	ug/ml#	74
71) 2,3,4,6-Tetrachlorophenol	9.774	232	14948	1.593	ug/ml	95
72) Diethyl phthalate	9.916	149	60374	1.830	ug/ml	99

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-3.D
Acq On : 27 Aug 2024 11:14 am
Operator : SV106:im
Sample : WG1964120-3,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 13:45:28 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\240827RVT\ABN0827.D
: 2 - I:\8270\SV106\240827RVT\ADP0827.D
: 3 - I:\8270\SV106\240827RVT\AP90827.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	9.992	204	25765	1.491	ug/ml	94
75)	4-Nitroaniline	9.998	138	11715	1.633	ug/ml#	59
76)	4,6-Dinitro-o-cresol	10.039	198	9746	1.698	ug/ml#	84
77)	NDPA/DPA	10.110	169	39020	1.433	ug/ml	98
80)	4-Bromophenyl phenyl e...	10.463	248	16215	1.504	ug/ml	89
87)	Atrazine	10.651	200	16440	1.498	ug/ml	94
91)	Carbazole	11.110	167	70184	1.608	ug/ml	96
92)	Di-n-butylphthalate	11.510	149	99687	1.944	ug/ml	99
97)	Butyl benzyl phthalate	12.974	149	49273	2.088	ug/ml	92
106)	3,3'-Dichlorobenzidine	13.480	252	38901	1.969	ug/ml#	96
108)	Bis(2-ethylhexyl)phtha...	13.610	149	61206	1.854	ug/ml	91
109)	Di-n-octylphthalate	14.280	149	107904	1.975	ug/ml#	78

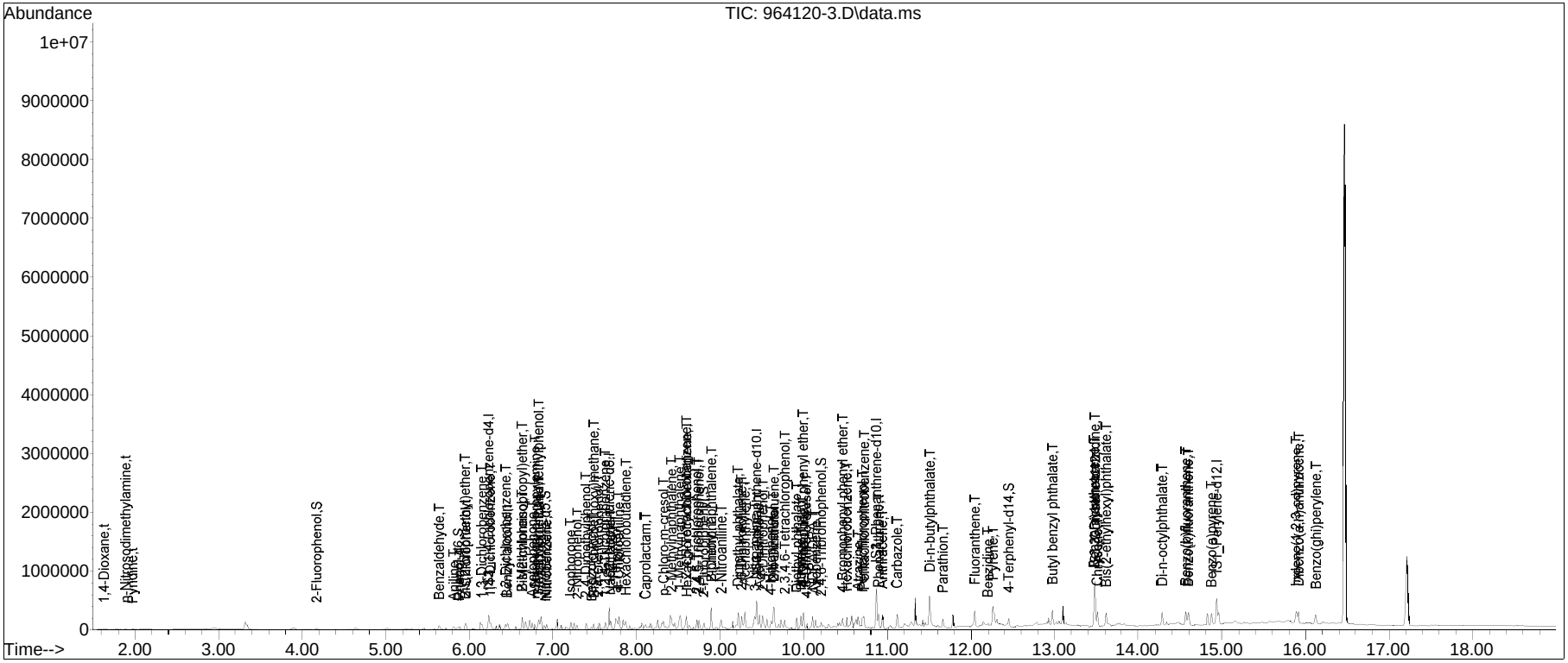
(#) = qualifier out of range (m) = manual integration (+) = signals summed

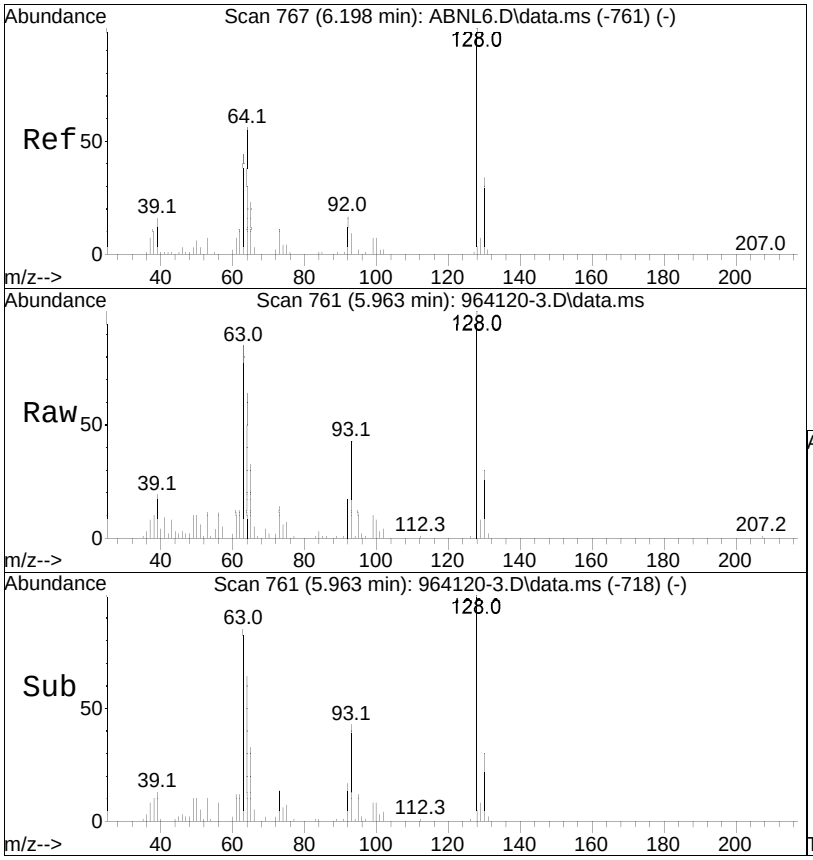
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\240827RVT\
Data File : 964120-3.D
Acq On : 27 Aug 2024 11:14 am
Operator : SV106:im
Sample : WG1964120-3,32,,gmr
Misc : WG1964242,WG1964120,ical21231
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 13:45:28 2024
Quant Method : I:\8270\SV106\240827RVT\FS240624SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 08:07:41 2024
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90827.D•

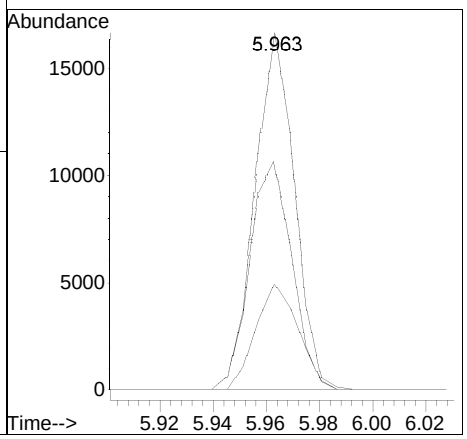


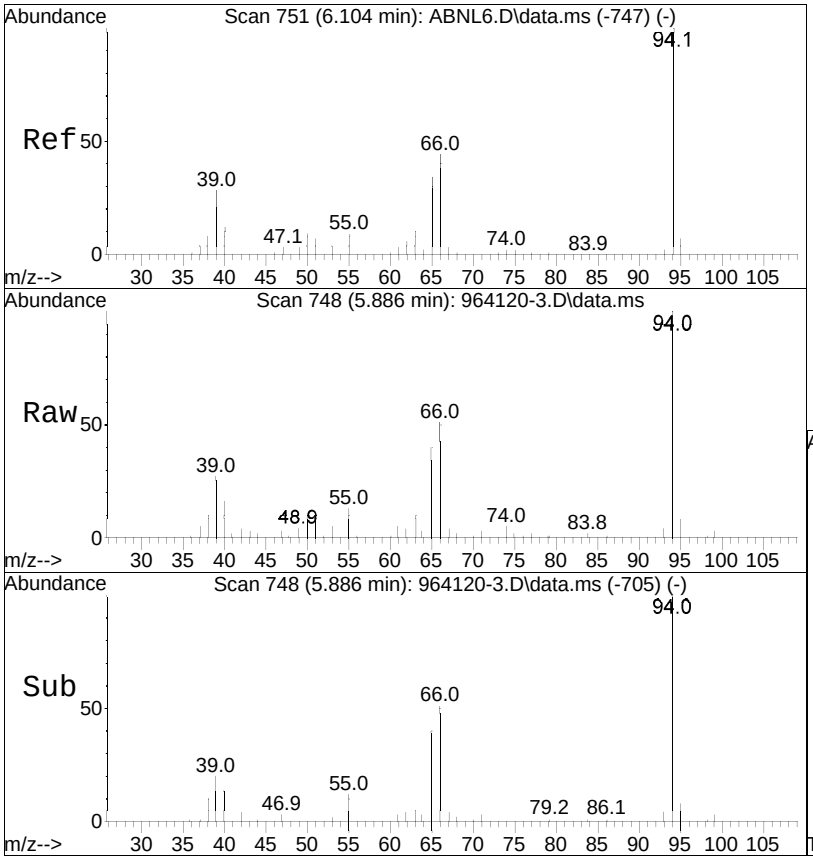


#6
2-Chlorophenol
Concen: 1.45 ug/ml
RT: 5.963 min Scan# 761
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:128 Resp: 17165

Ion	Ratio	Lower	Upper
128	100		
64	68.1	45.1	67.7#
130	31.9	26.2	39.4

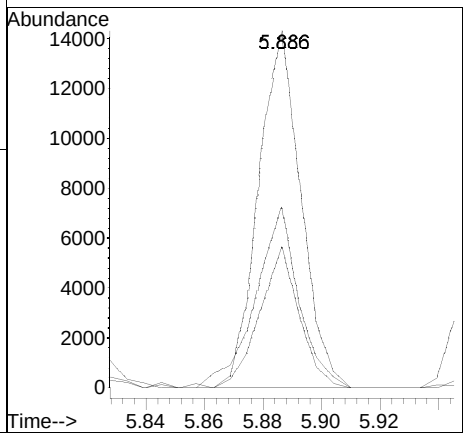


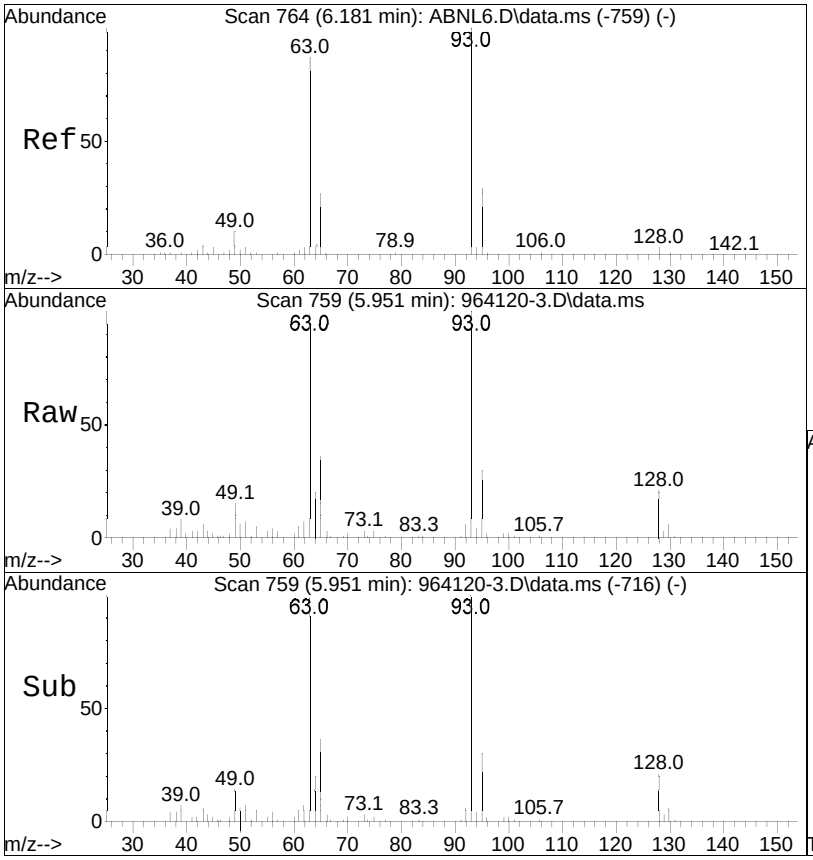


#8
Phenol
Concen: 0.95 ug/ml
RT: 5.886 min Scan# 748
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 94 Resp: 14275

Ion	Ratio	Lower	Upper
94	100		
65	37.5	26.0	39.0
66	52.1	33.8	50.8#

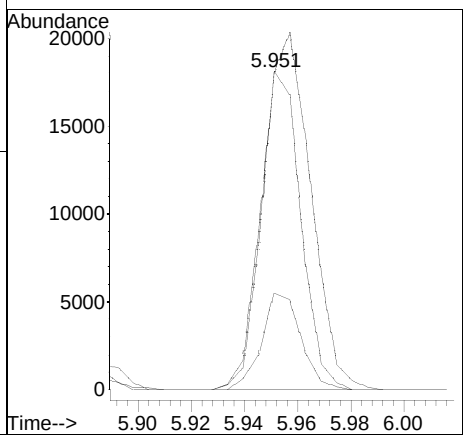


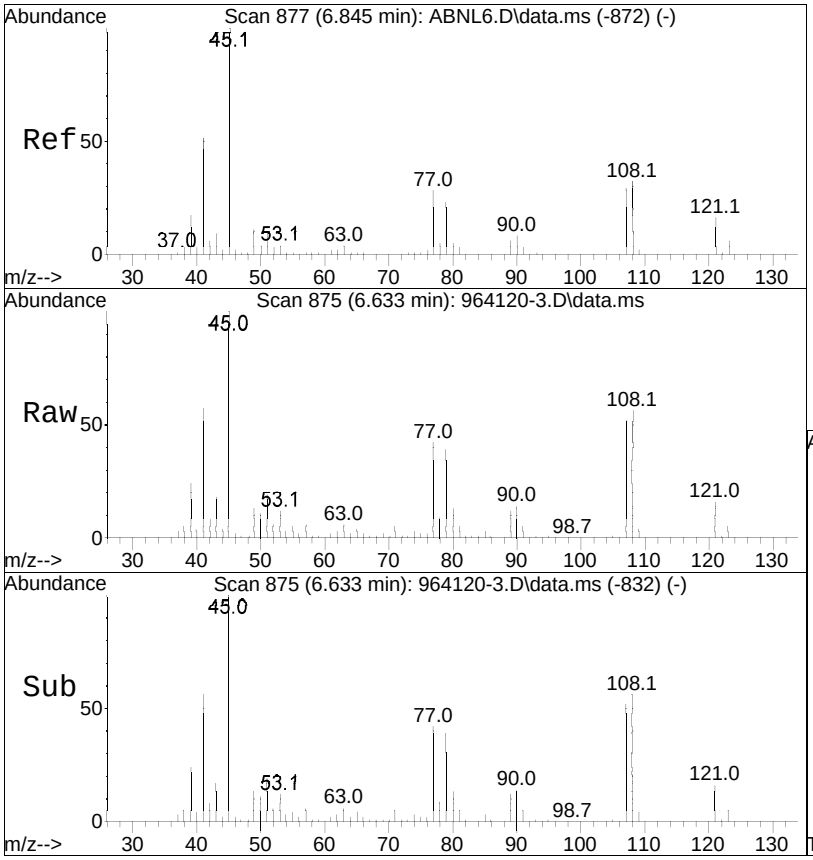


#9
Bis(2-chloroethyl)ether
Concen: 1.52 ug/ml
RT: 5.951 min Scan# 759
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 93 Resp: 18743

Ion	Ratio	Lower	Upper
93	100		
63	135.0	74.6	111.8#
95	30.1	25.9	38.9

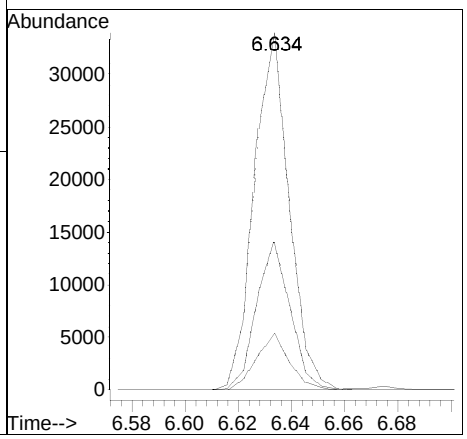


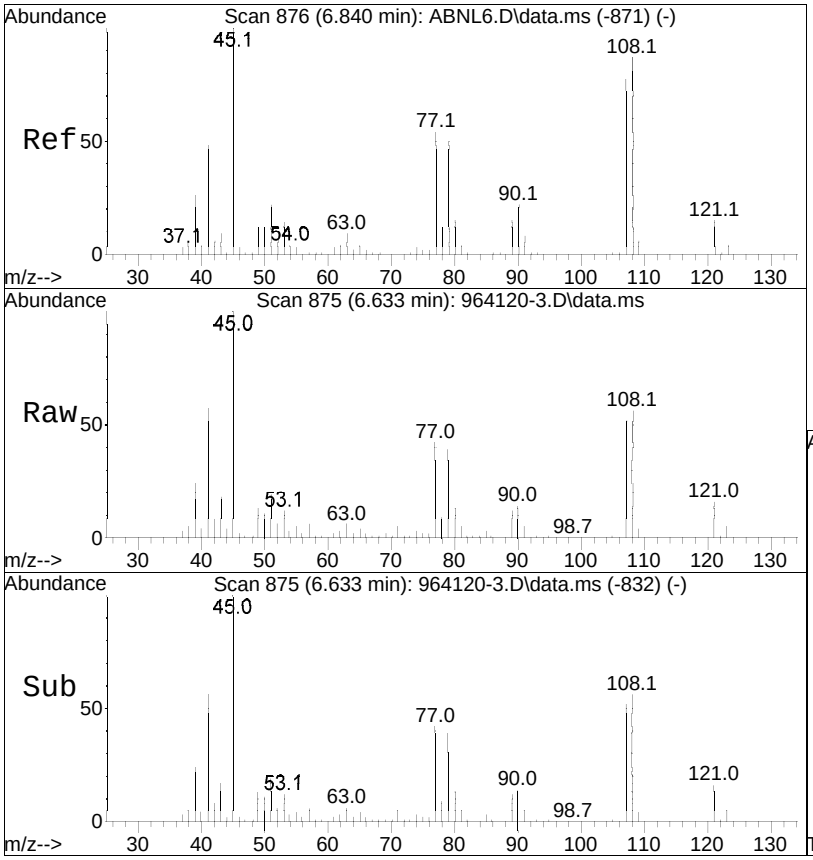


#14
Bis(2-chloroisopropyl)ether
Concen: 1.55 ug/ml
RT: 6.633 min Scan# 875
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 45 Resp: 30882

Ion	Ratio	Lower	Upper
45	100		
121	15.0	9.8	14.6#
77	40.5	6.1	9.1#

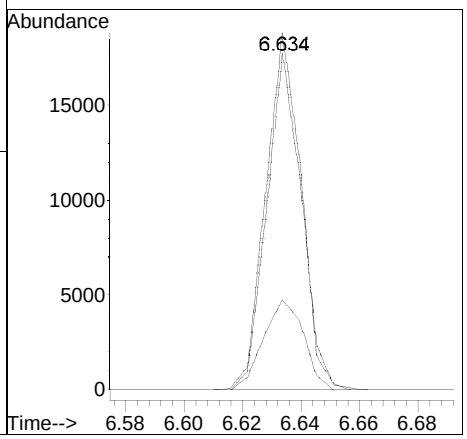


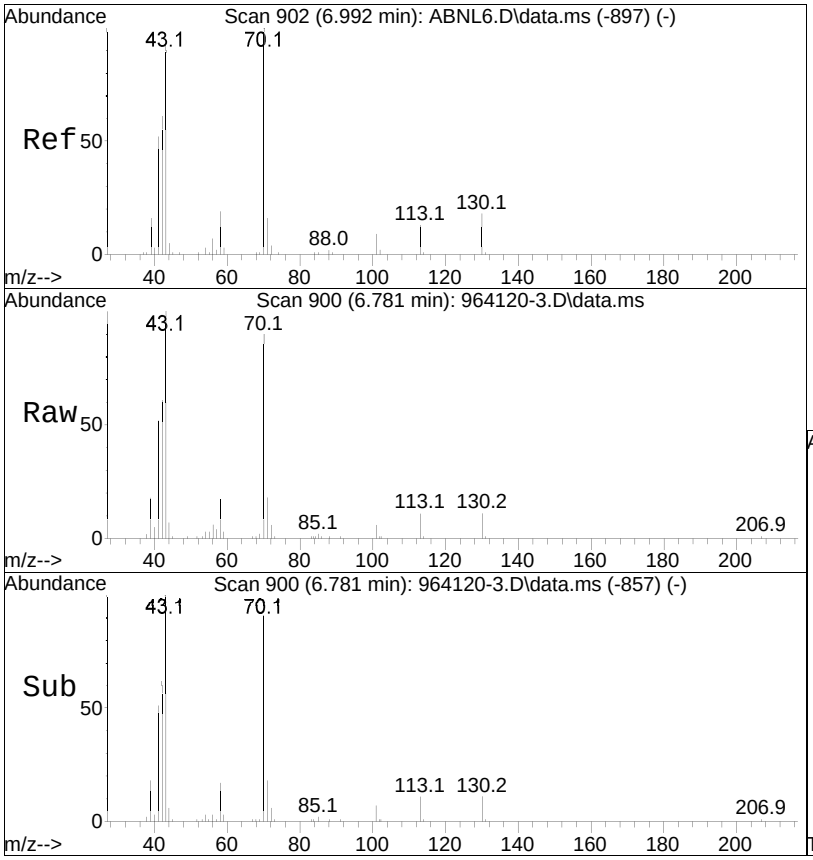


#15
2-Methylphenol
Concen: 1.44 ug/ml
RT: 6.633 min Scan# 875
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:108 Resp: 15650

Ion	Ratio	Lower	Upper
108	100		
107	93.2	70.7	106.1
90	28.9	18.7	28.1#

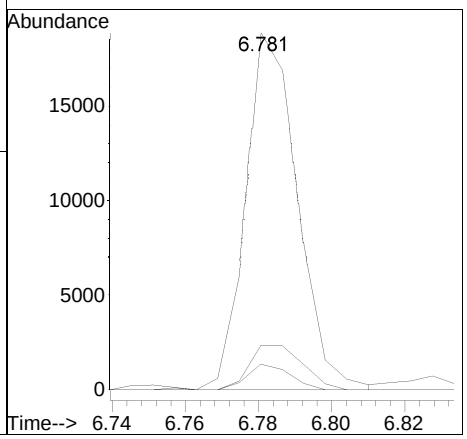


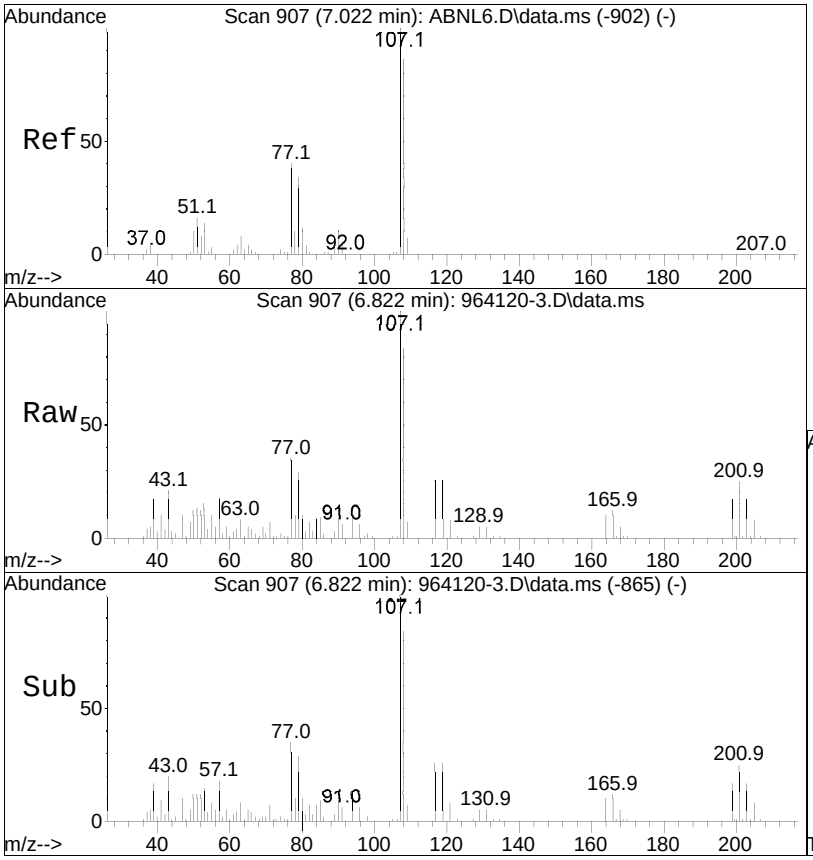


#17
n-Nitrosodi-n-propylamine
Concen: 1.90 ug/ml
RT: 6.781 min Scan# 900
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 70 Resp: 18432

Ion	Ratio	Lower	Upper
70	100		
130	12.9	18.2	27.4#
101	6.2	7.8	11.8#

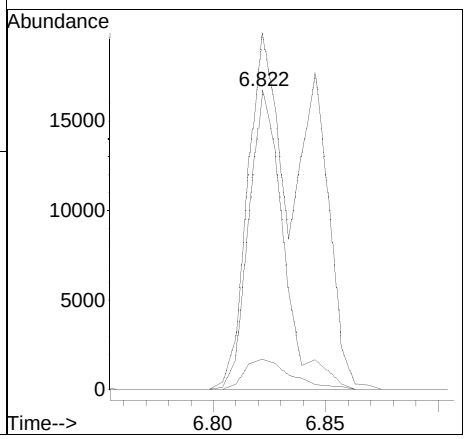


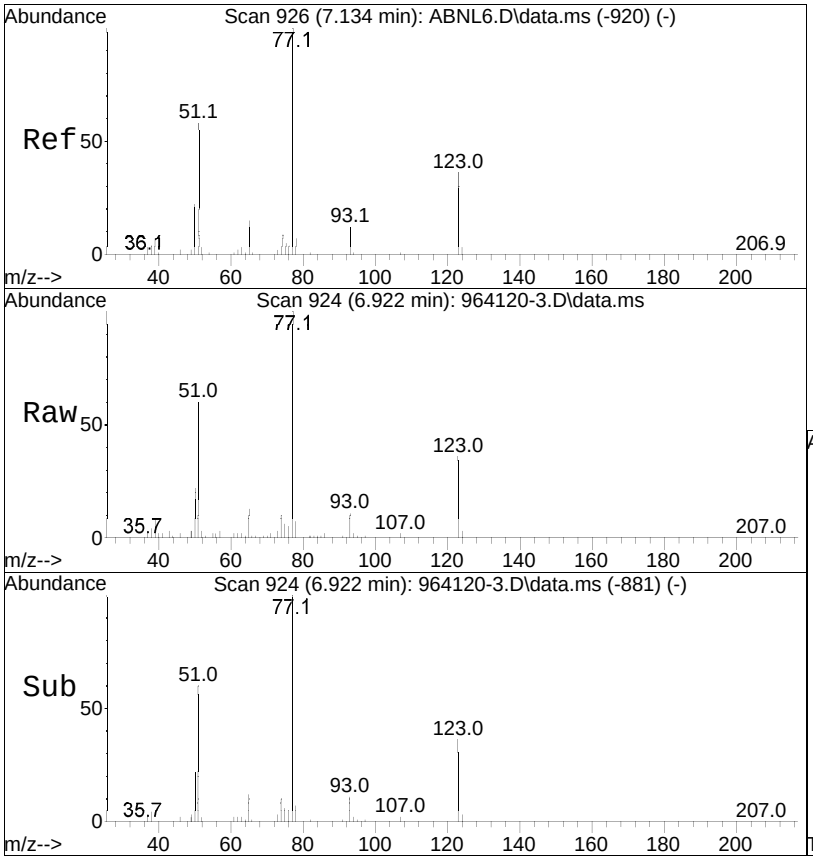


#18
3-Methylphenol/4-Methylphenol
Concen: 1.54 ug/ml
RT: 6.822 min Scan# 907
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:108 Resp: 18090

Ion	Ratio	Lower	Upper
108	100		
107	116.0	88.6	132.8
90	13.5	8.8	13.2#

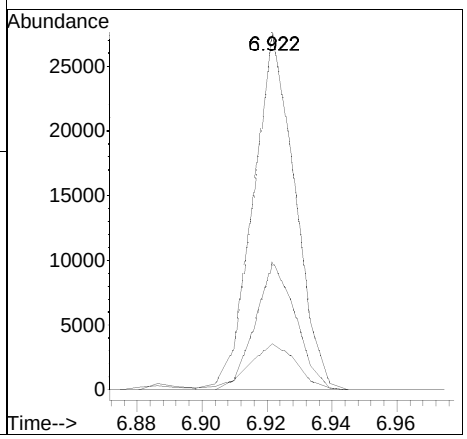


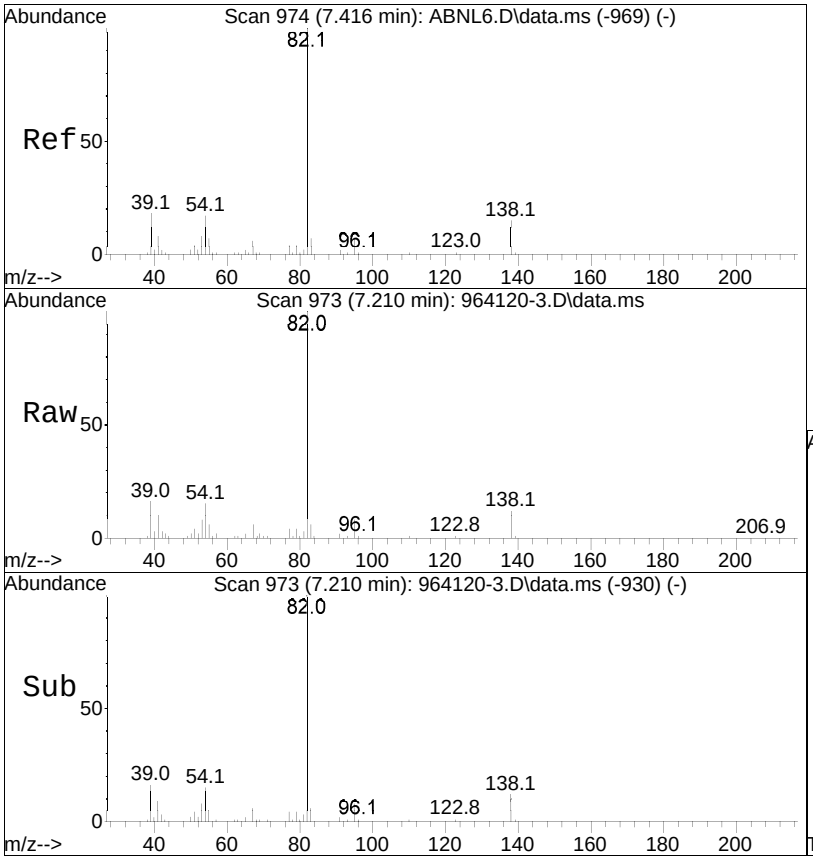


#20
Nitrobenzene
Concen: 1.63 ug/ml
RT: 6.922 min Scan# 924
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 77 Resp: 24485

Ion	Ratio	Lower	Upper
77	100		
123	34.7	36.3	54.5#
65	14.9	11.6	17.4

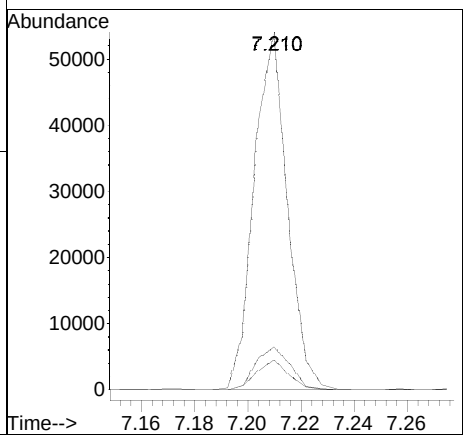


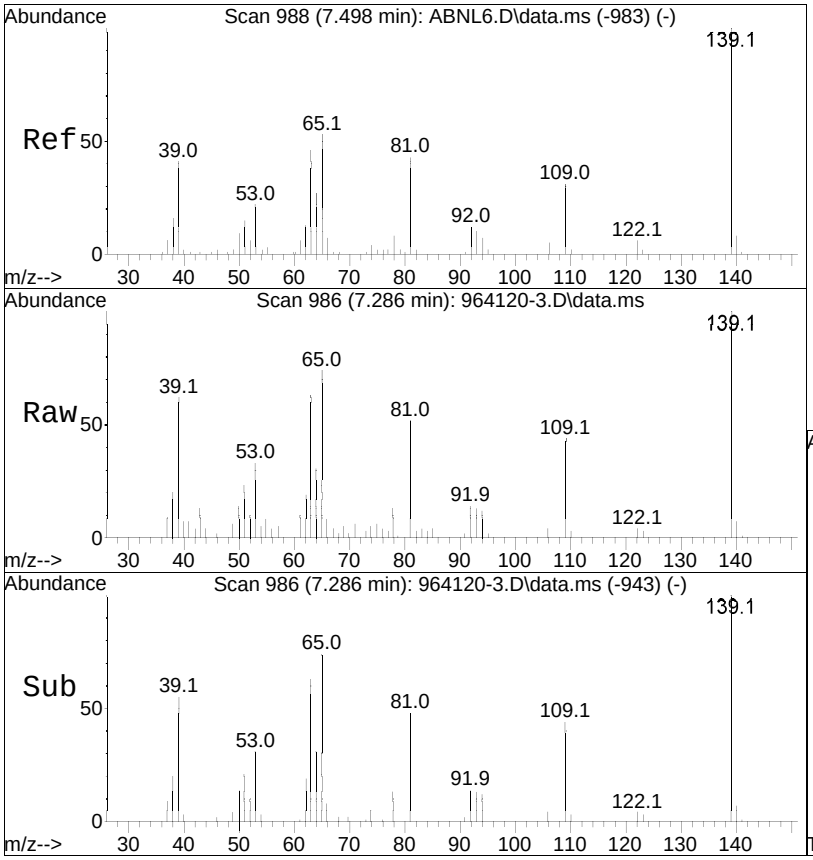


#21
Isophorone
Concen: 1.83 ug/ml
RT: 7.210 min Scan# 973
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 82 Resp: 46398

Ion	Ratio	Lower	Upper
82	100		
138	12.7	14.7	22.1#
95	8.3	5.2	7.8#

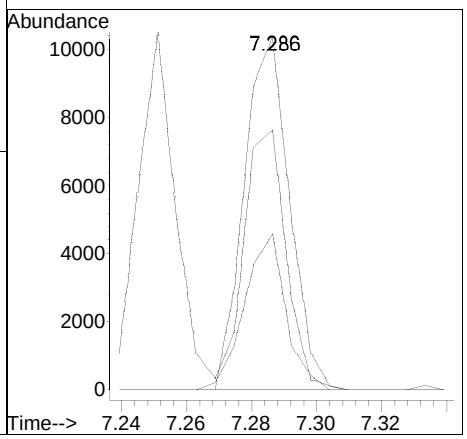


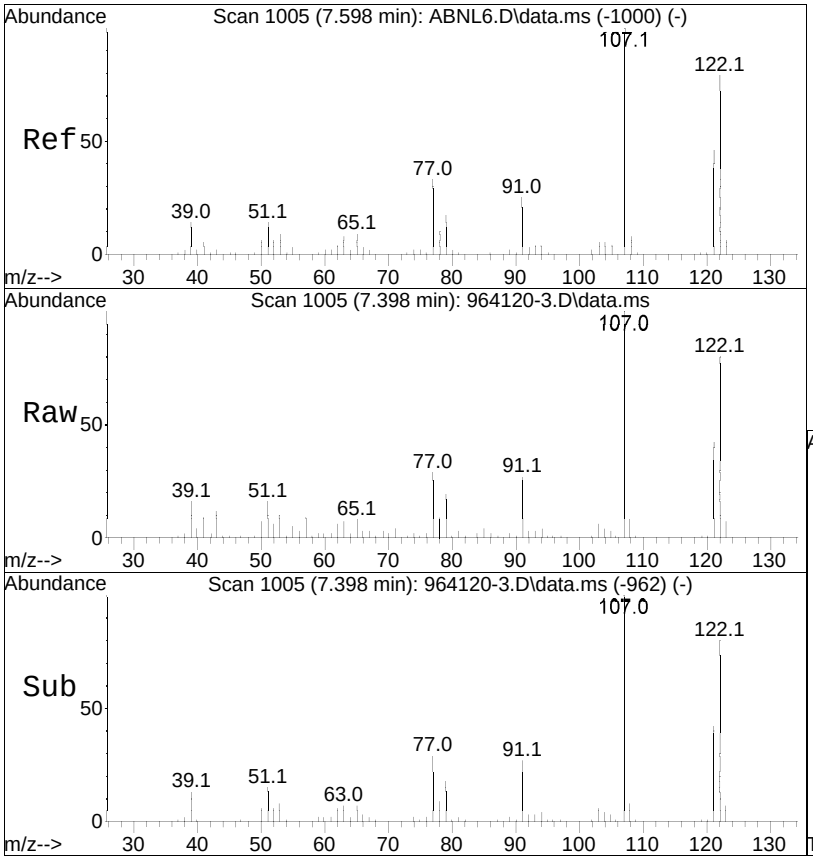


#22
2-Nitrophenol
Concen: 1.59 ug/ml
RT: 7.286 min Scan# 986
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:139 Resp: 10062

Ion	Ratio	Lower	Upper
139	100		
109	40.3	19.4	29.0#
65	68.3	46.1	69.1

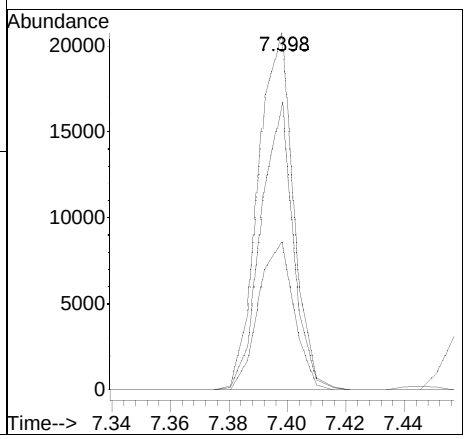


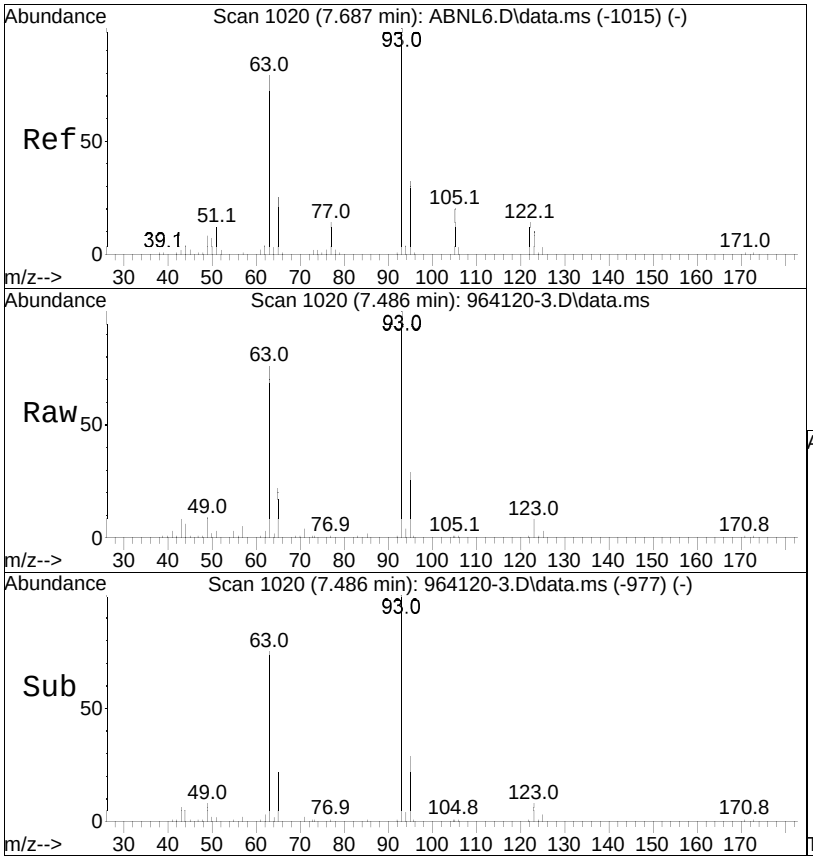


#23
2,4-Dimethylphenol
Concen: 1.45 ug/ml
RT: 7.398 min Scan# 1005
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:107 Resp: 17344

Ion	Ratio	Lower	Upper
107	100		
121	41.8	40.0	60.0
122	73.7	70.2	105.4

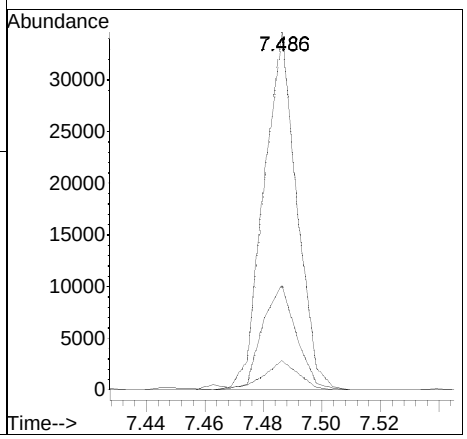


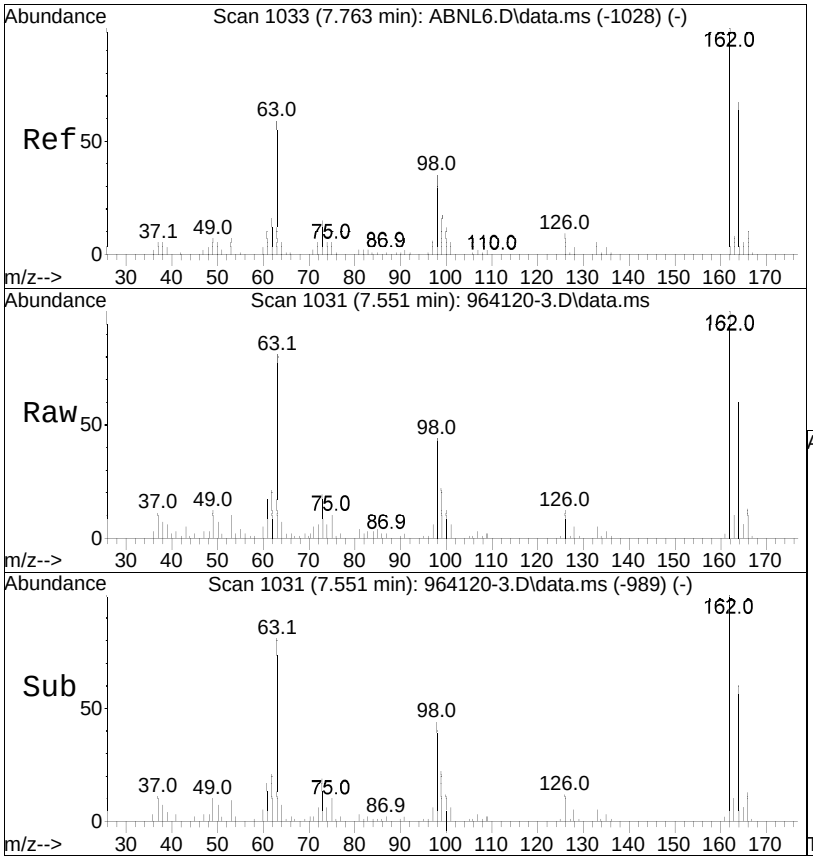


#24
Bis(2-chloroethoxy)methane
Concen: 1.64 ug/ml
RT: 7.486 min Scan# 1020
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 93 Resp: 26801

Ion	Ratio	Lower	Upper
93	100		
95	30.3	25.8	38.8
123	9.3	10.1	15.1#

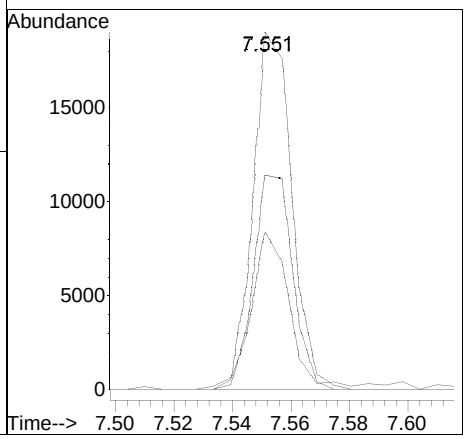


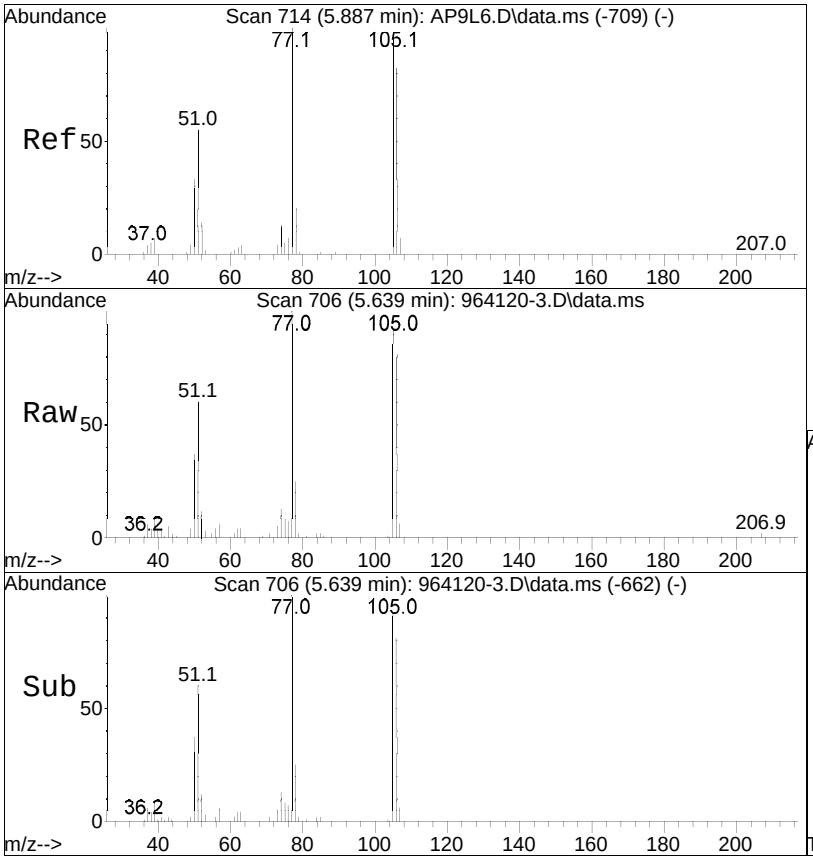


#25
2,4-Dichlorophenol
Concen: 1.53 ug/ml
RT: 7.551 min Scan# 1031
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:162 Resp: 17343

Ion	Ratio	Lower	Upper
162	100		
164	60.9	51.0	76.4
98	43.7	32.2	48.2

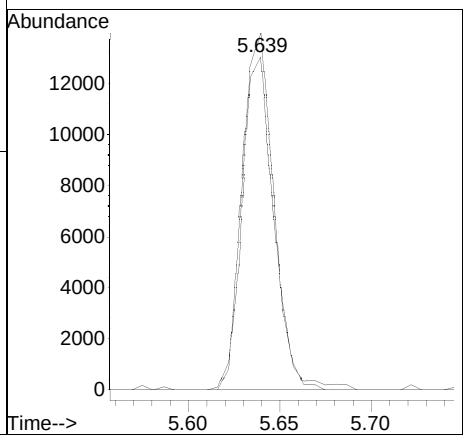


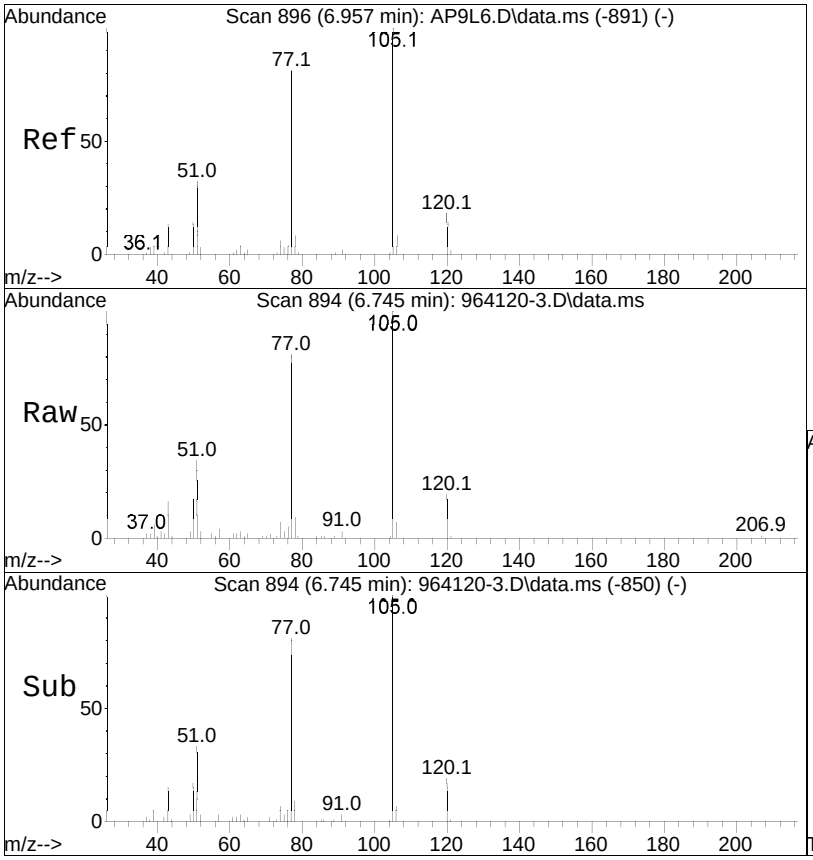


#28
Benzaldehyde
Concen: 1.45 ug/ml
RT: 5.639 min Scan# 706
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:105 Resp: 15793

Ion	Ratio	Lower	Upper
105	100		
77	105.5	82.2	123.4

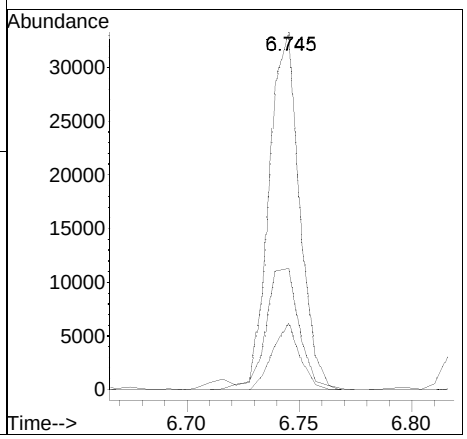


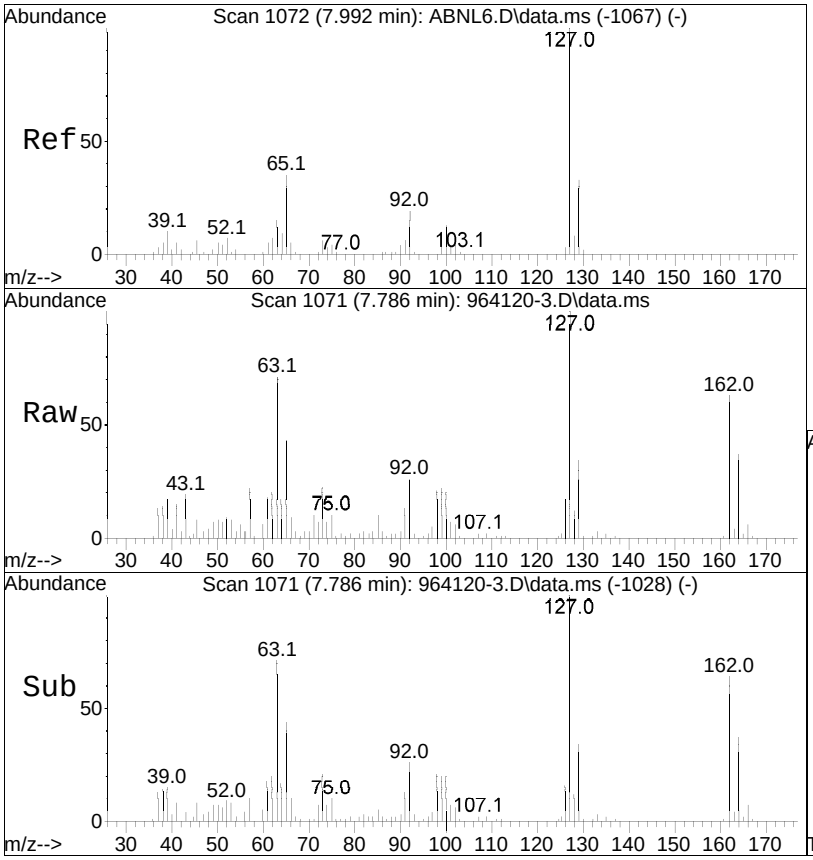


#29
Acetophenone
Concen: 1.58 ug/ml
RT: 6.745 min Scan# 894
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:105 Resp: 31279

Ion	Ratio	Lower	Upper
105	100		
120	16.9	20.5	30.7#
51	39.2	34.9	52.3

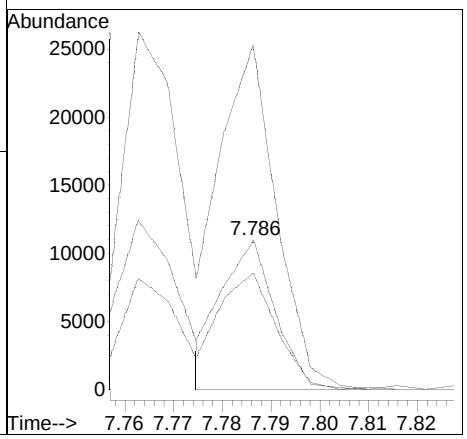


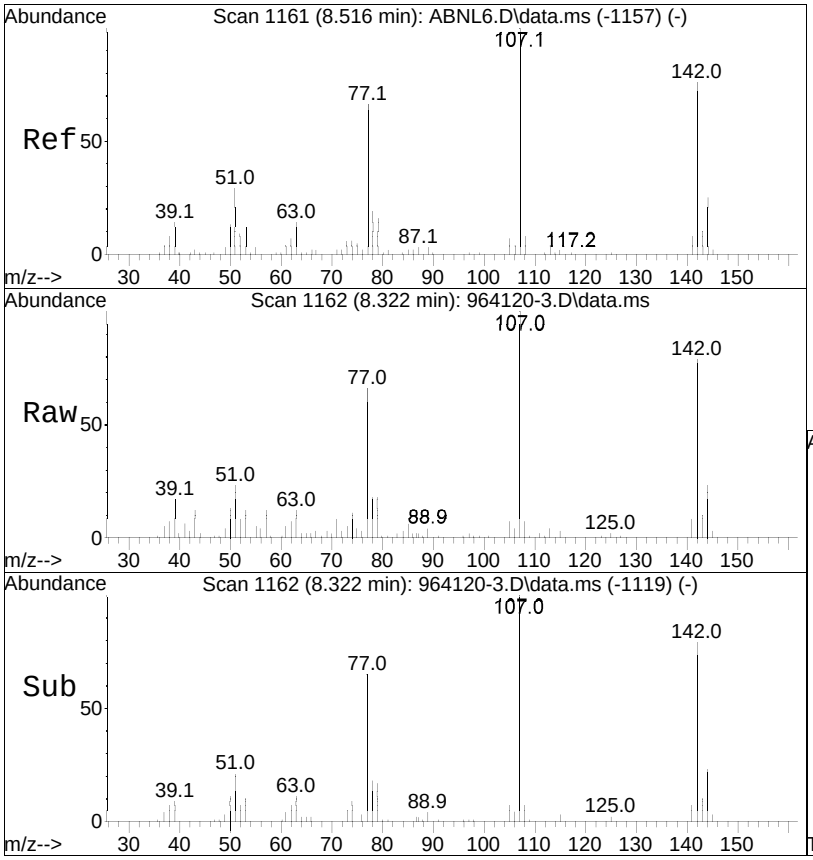


#38
4-Chloroaniline
Concen: 1.42 ug/ml
RT: 7.786 min Scan# 1071
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 65 Resp: 8203

Ion	Ratio	Lower	Upper
65	100		
127	242.8	237.6	356.4
129	84.3	76.3	114.5

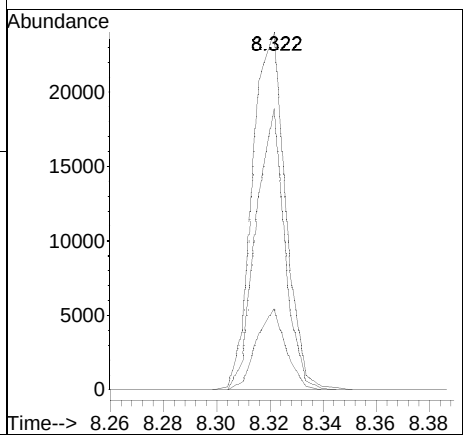


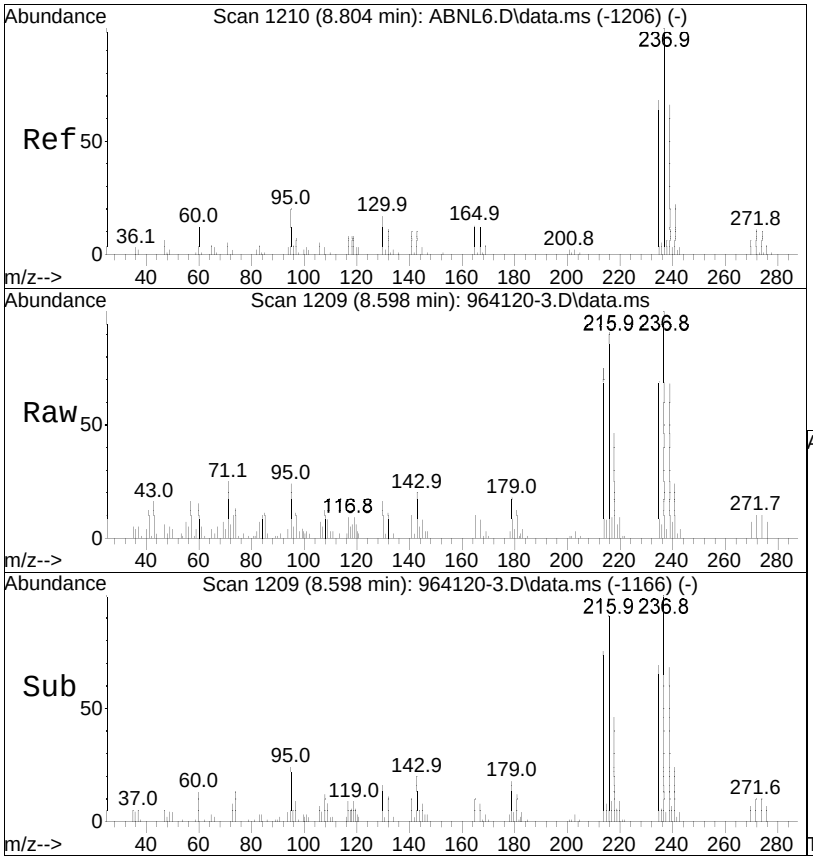


#40
p-Chloro-m-cresol
Concen: 1.75 ug/ml
RT: 8.322 min Scan# 1162
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:107 Resp: 20529

Ion	Ratio	Lower	Upper
107	100		
144	20.4	20.9	31.3#
142	68.7	66.1	99.1

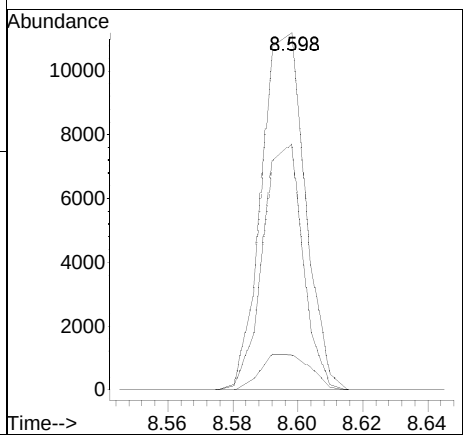


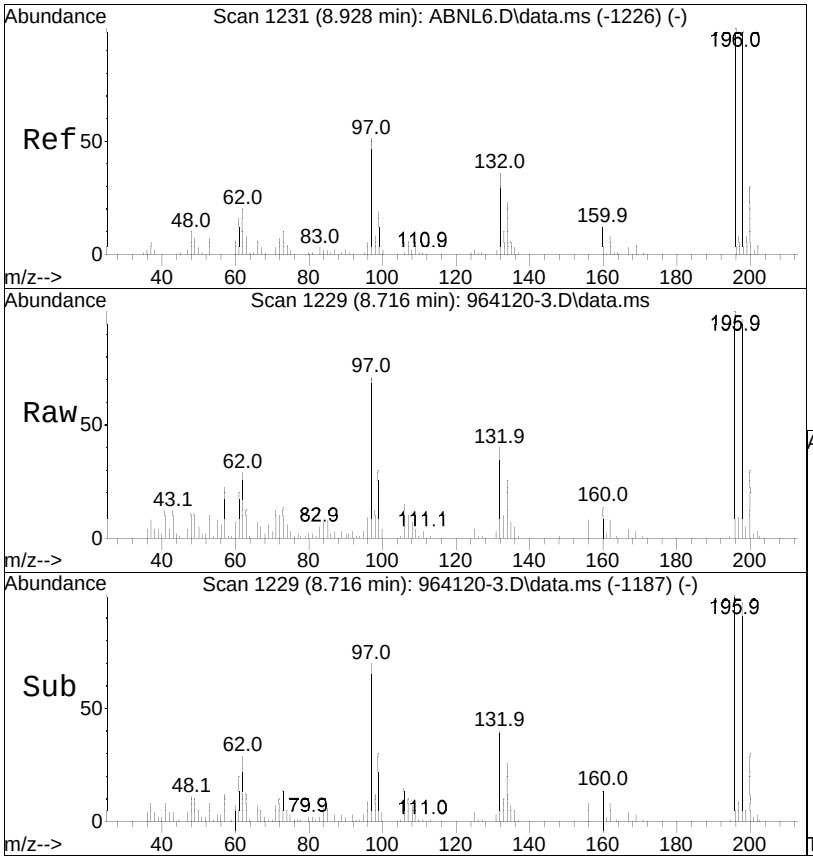


#43
Hexachlorocyclopentadiene
Concen: 0.91 ug/ml
RT: 8.598 min Scan# 1209
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:237 Resp: 10440

Ion	Ratio	Lower	Upper
237	100		
235	63.3	49.7	74.5
272	11.5	9.8	14.6

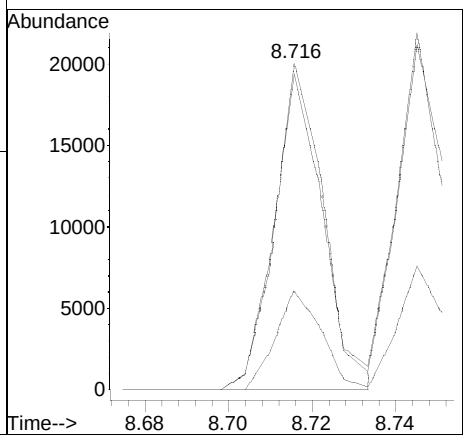


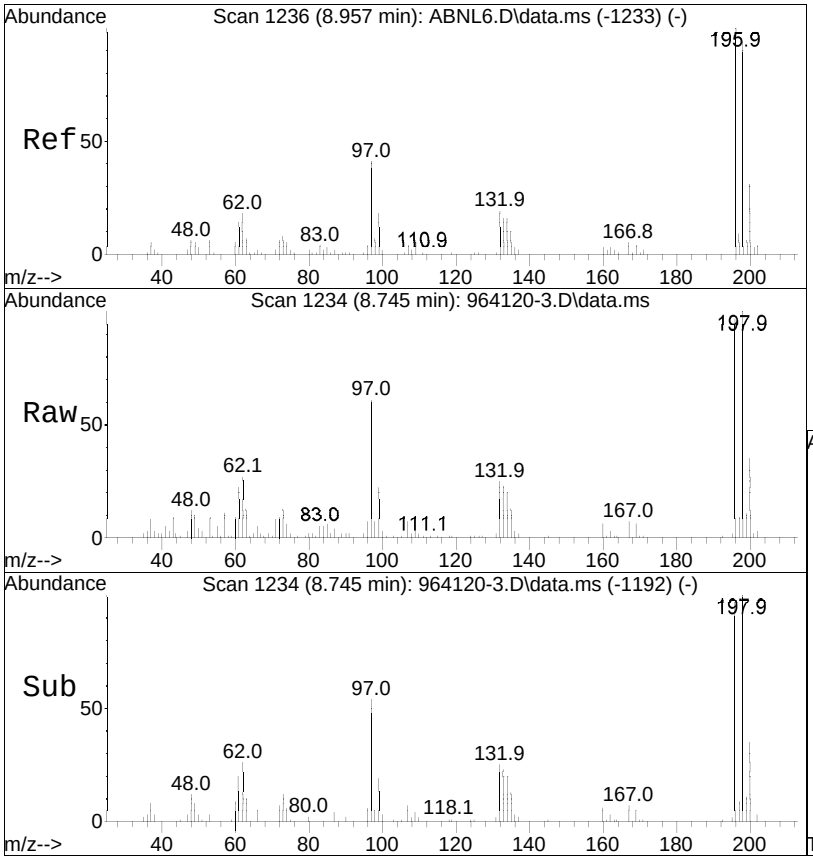


#44
2,4,6-Trichlorophenol
Concen: 1.57 ug/ml
RT: 8.716 min Scan# 1229
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:196 Resp: 16145

Ion	Ratio	Lower	Upper
196	100		
198	97.9	77.5	116.3
200	28.9	23.8	35.6

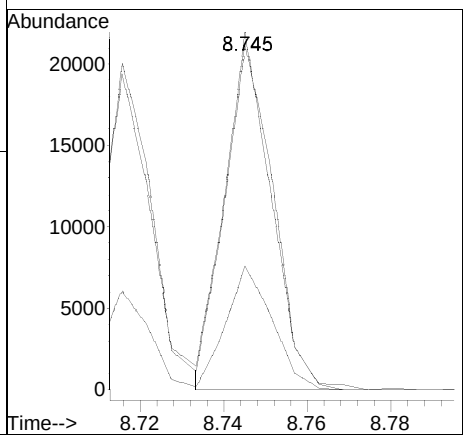


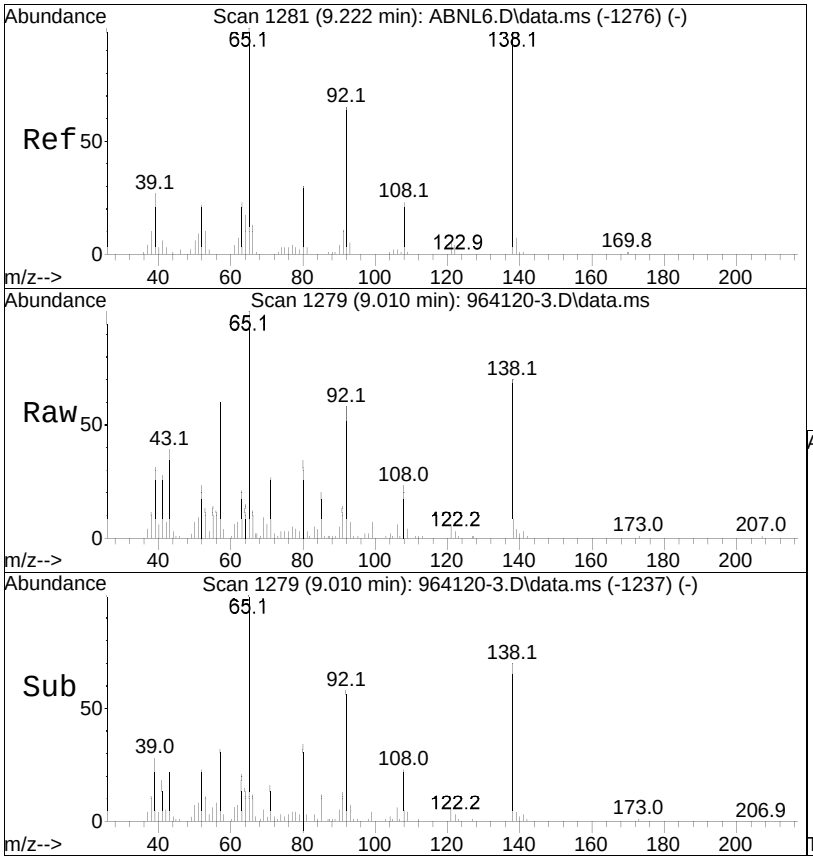


#45
2,4,5-Trichlorophenol
Concen: 1.53 ug/ml
RT: 8.745 min Scan# 1234
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:196 Resp: 16833

Ion	Ratio	Lower	Upper
196	100		
200	34.7	25.4	38.0
198	99.8	78.0	117.0

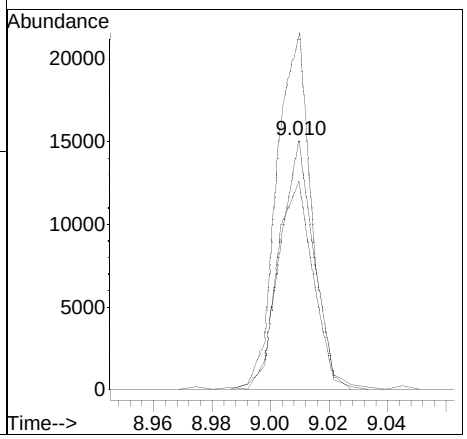


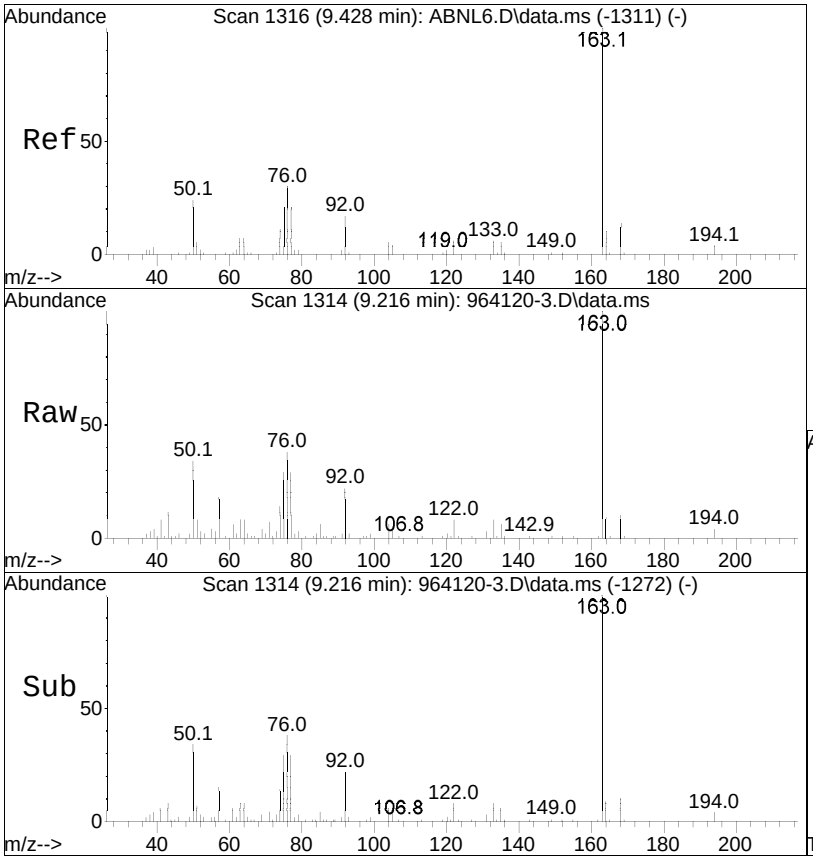


#48
2-Nitroaniline
Concen: 1.43 ug/ml
RT: 9.010 min Scan# 1279
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:138 Resp: 11950

Ion	Ratio	Lower	Upper
138	100		
92	90.4	53.5	80.3#
65	148.0	86.3	129.5#

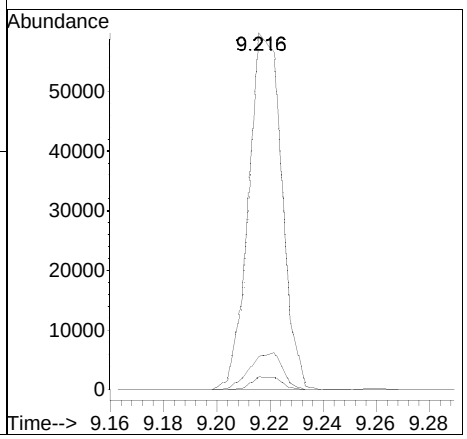


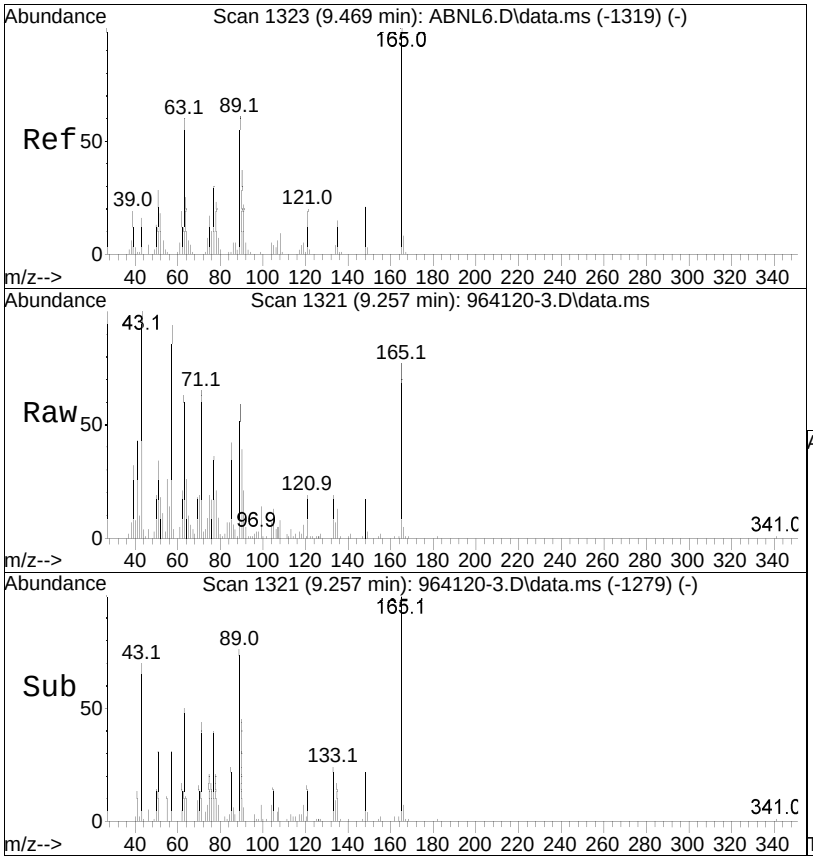


#51
Dimethyl phthalate
Concen: 1.52 ug/ml
RT: 9.216 min Scan# 1314
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:163 Resp: 51534

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.5	7.9	11.9

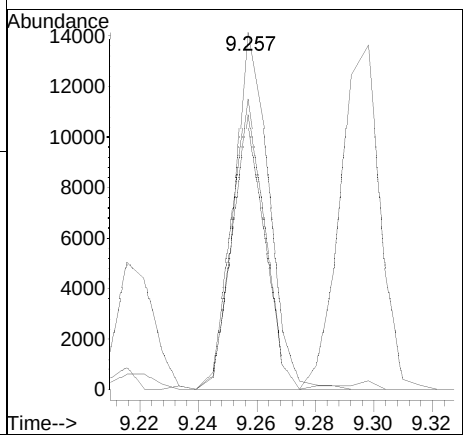


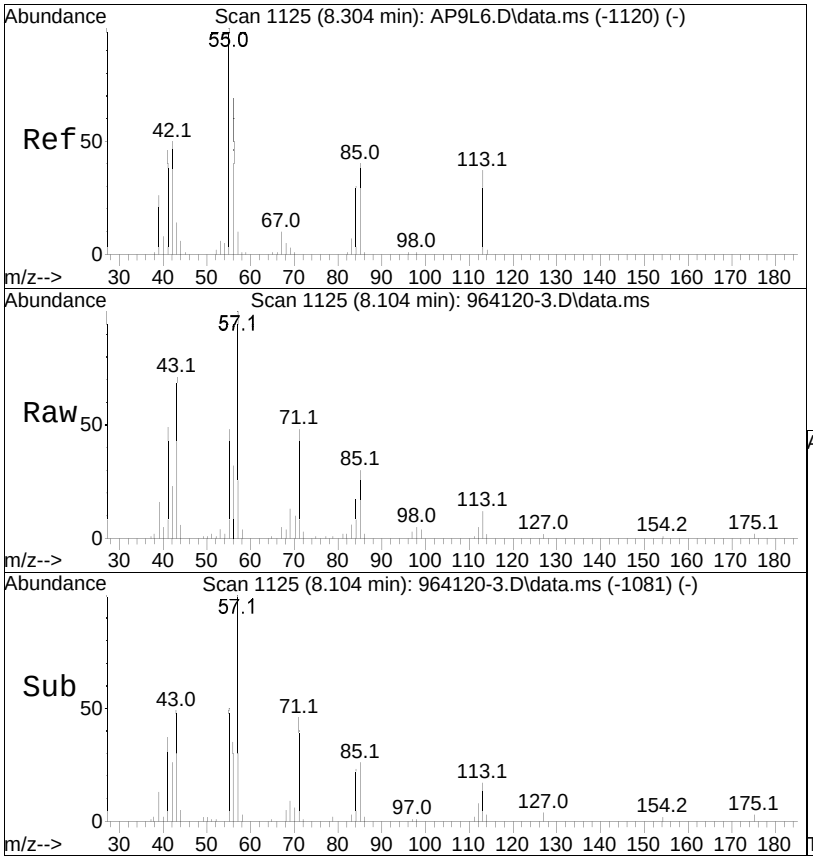


#53
2,6-Dinitrotoluene
Concen: 1.60 ug/ml
RT: 9.257 min Scan# 1321
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:165 Resp: 11652

Ion	Ratio	Lower	Upper
165	100		
89	74.0	54.2	81.2
63	79.4	64.2	96.2

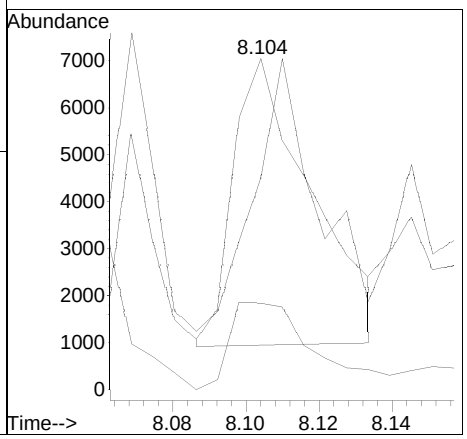


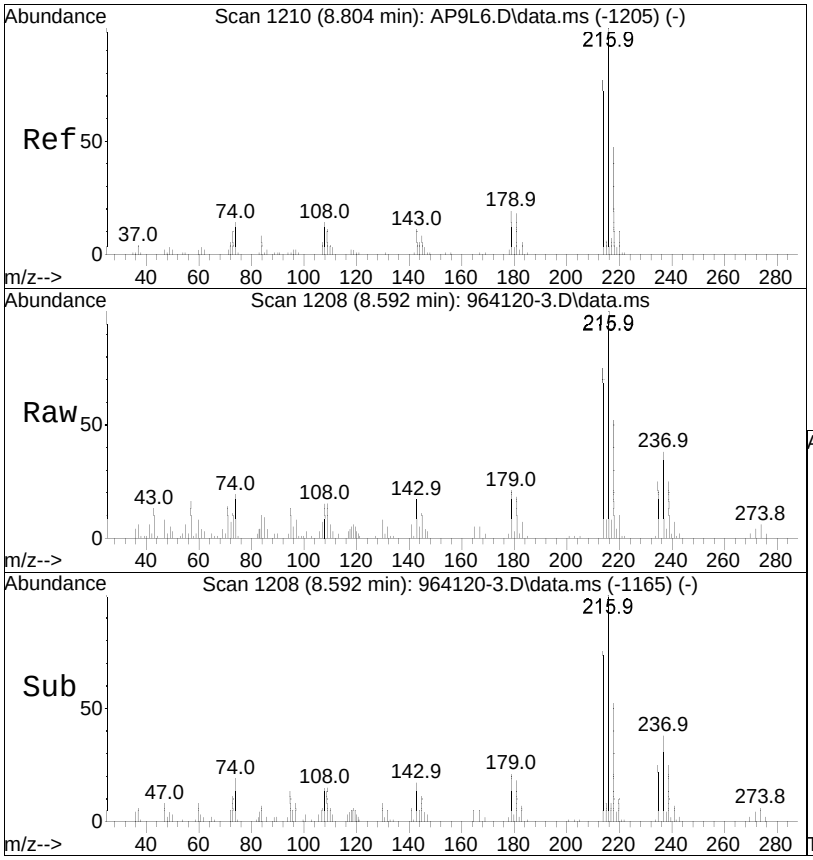


#60
Caprolactam
Concen: 1.27 ug/ml
RT: 8.104 min Scan# 1125
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 55 Resp: 9110

Ion	Ratio	Lower	Upper
55	100		
85	85.9	19.8	29.6#
113	32.8	29.6	44.4

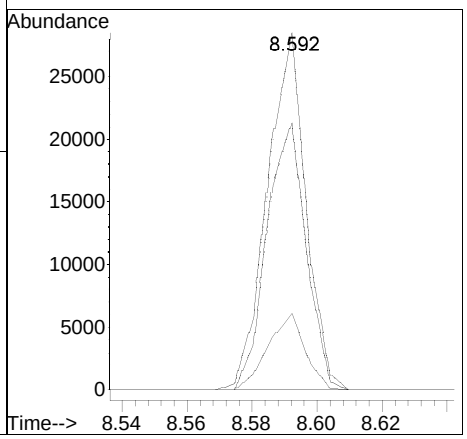


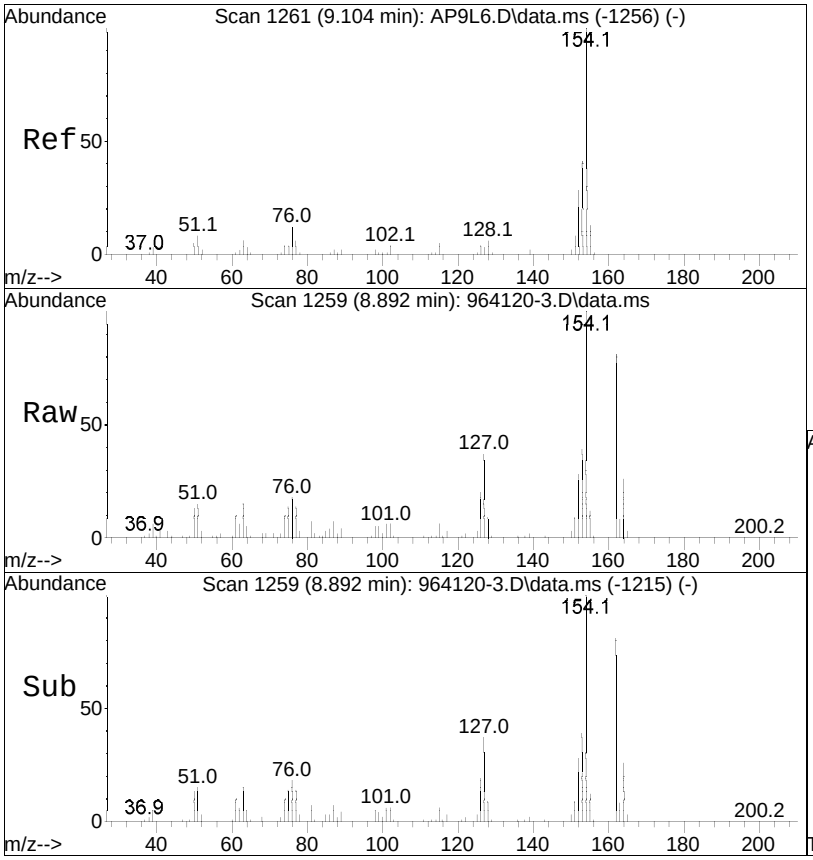


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.24 ug/ml
RT: 8.592 min Scan# 1208
Delta R.T. 0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:216 Resp: 23290

Ion	Ratio	Lower	Upper
216	100		
214	76.2	63.7	95.5
179	20.8	19.0	28.6

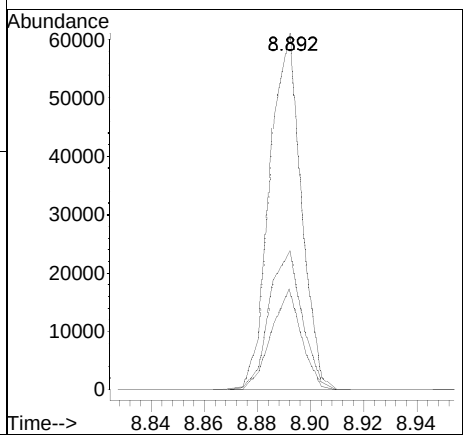


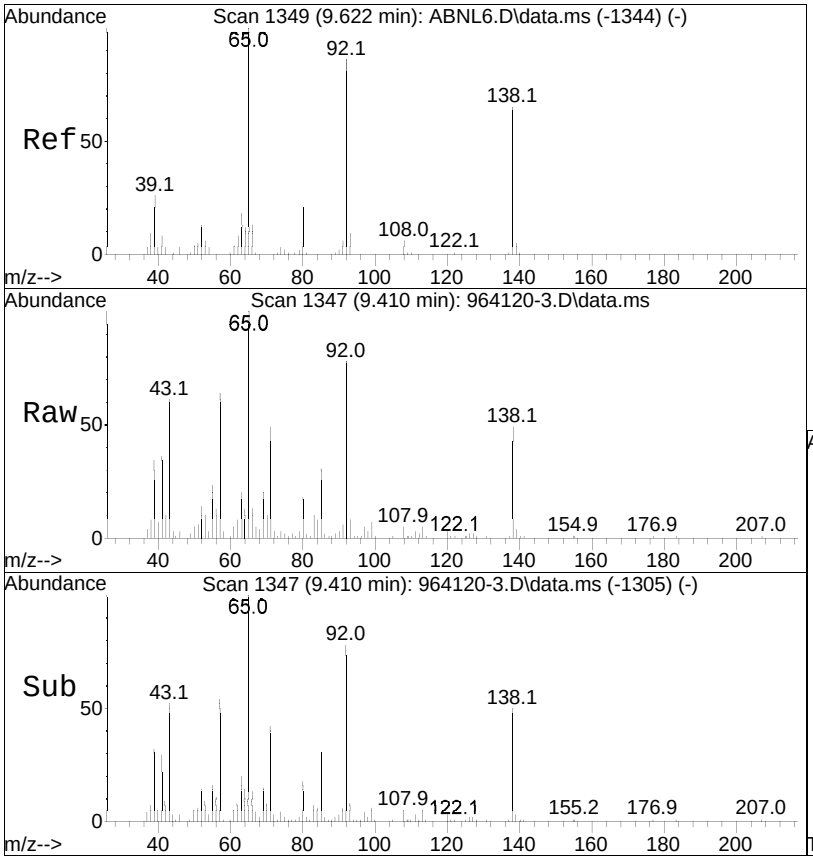


#62
Biphenyl
Concen: 1.35 ug/ml
RT: 8.892 min Scan# 1259
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:154 Resp: 50190

Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.3	48.5
152	27.2	22.5	33.7

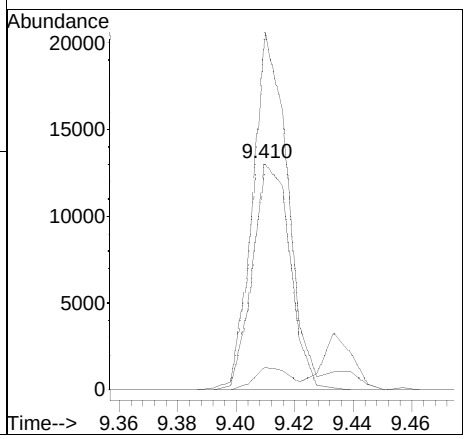


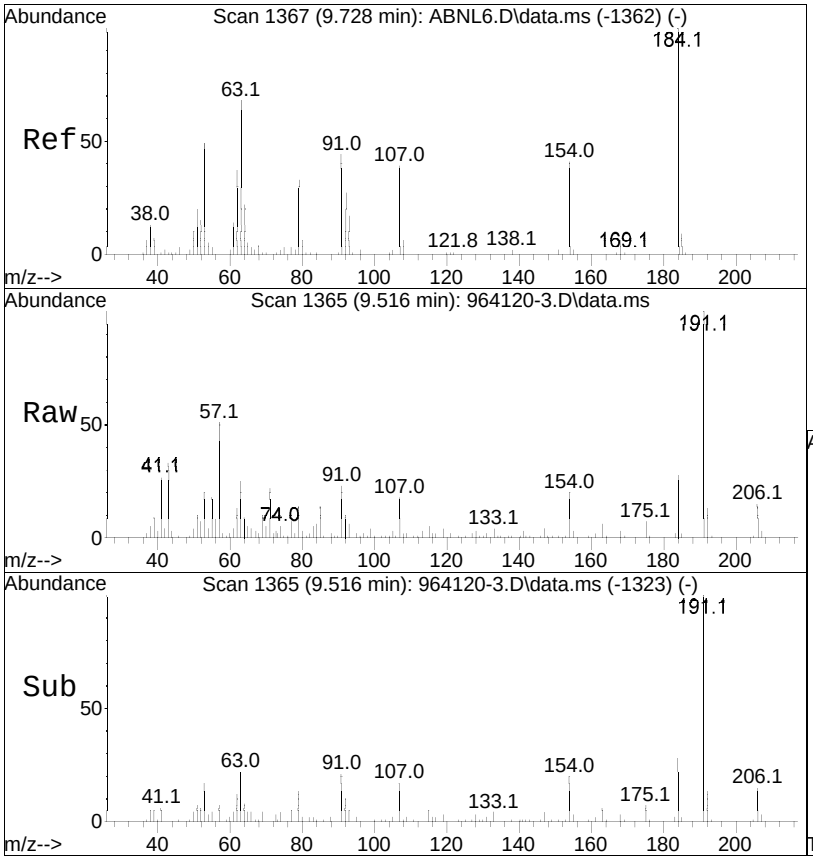


#64
3-Nitroaniline
Concen: 1.67 ug/ml
RT: 9.410 min Scan# 1347
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:138 Resp: 11538

Ion	Ratio	Lower	Upper
138	100		
92	155.0	93.4	140.2#
108	9.7	9.5	14.3

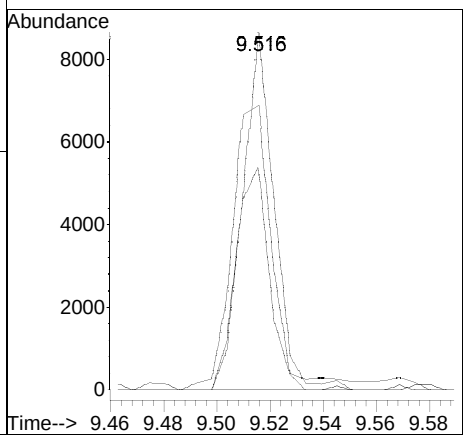


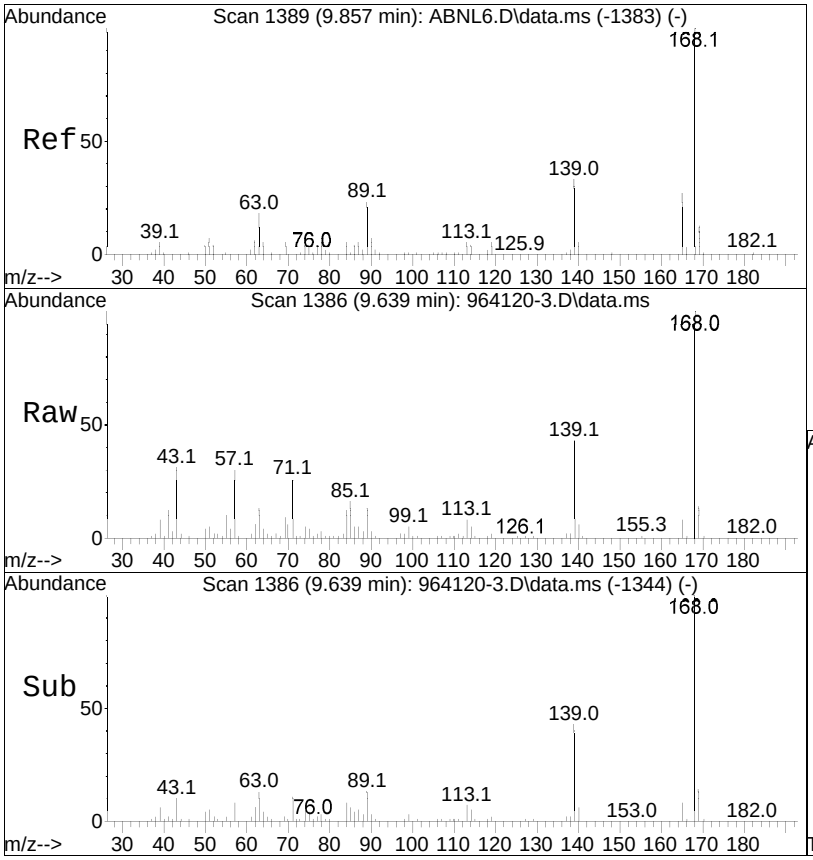


#66
2,4-Dinitrophenol
Concen: 1.55 ug/ml
RT: 9.516 min Scan# 1365
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:184 Resp: 7121

Ion	Ratio	Lower	Upper
184	100		
107	65.5	37.7	56.5#
91	101.1	46.3	69.5#

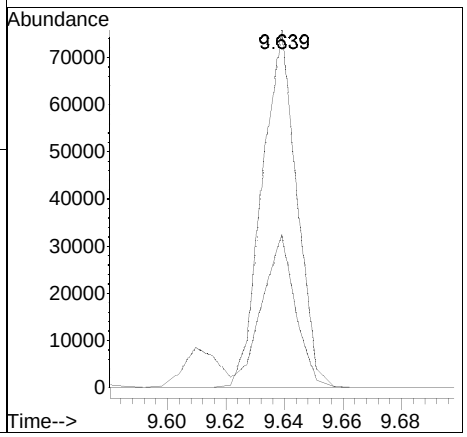


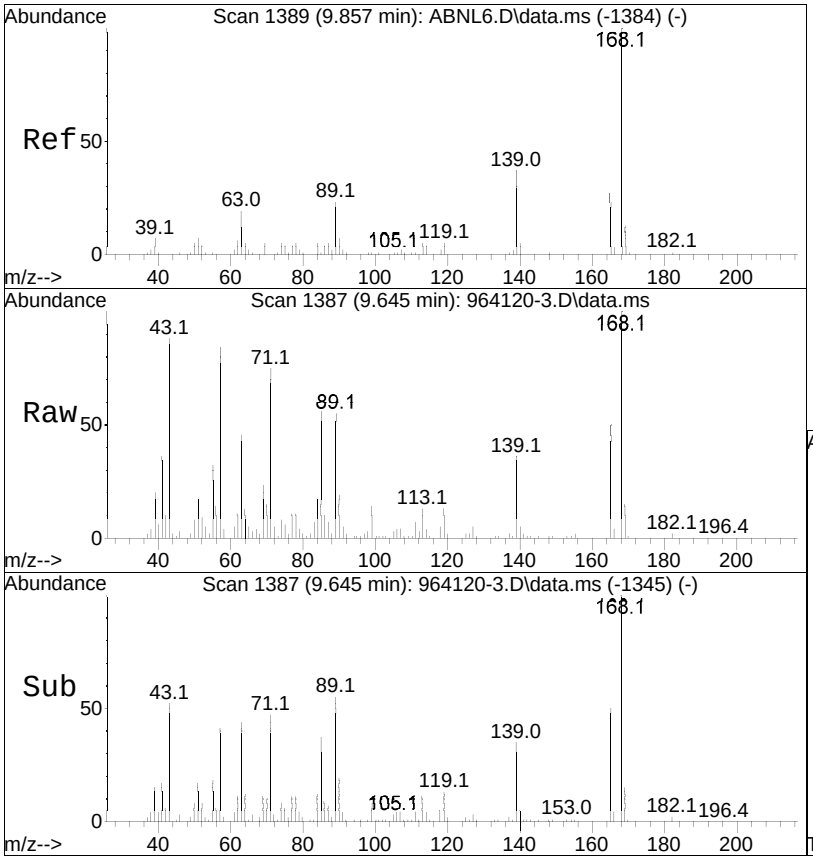


#67
Dibenzofuran
Concen: 1.48 ug/ml
RT: 9.639 min Scan# 1386
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:168 Resp: 61821

Ion	Ratio	Lower	Upper
168	100		
139	41.2	31.4	47.2

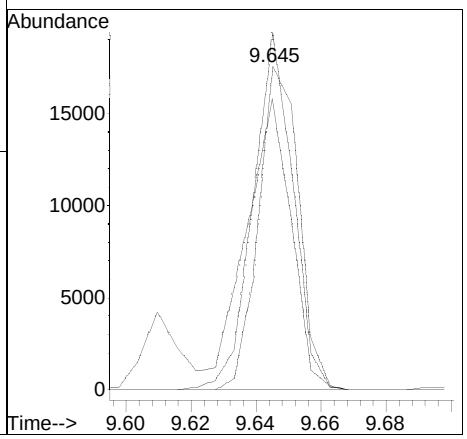


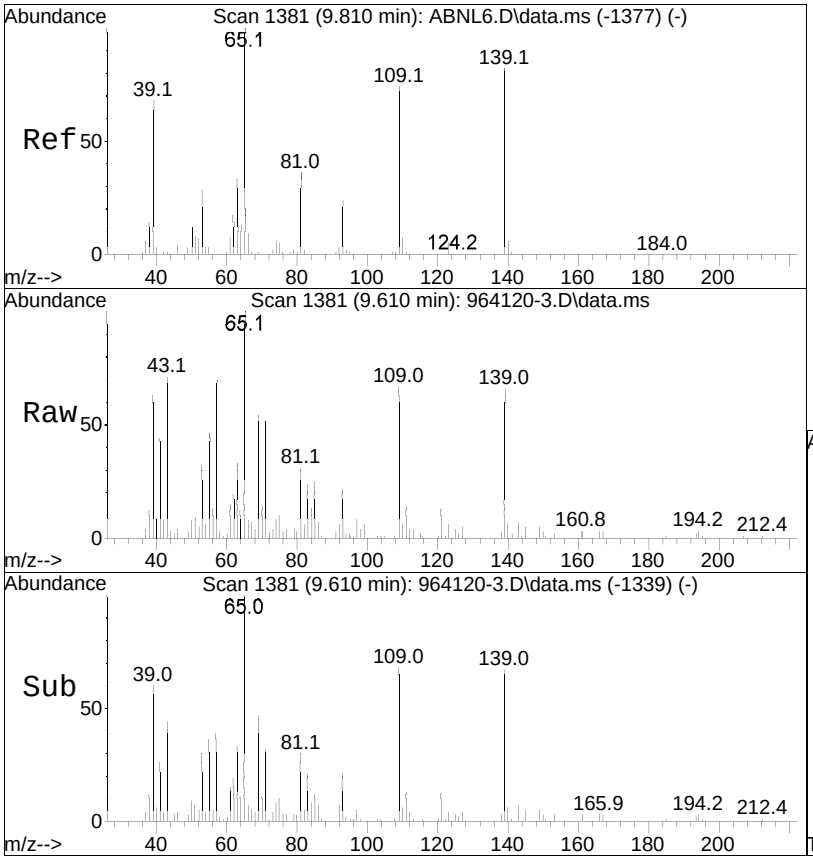


#68
2,4-Dinitrotoluene
Concen: 1.47 ug/ml
RT: 9.645 min Scan# 1387
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:165 Resp: 15079

Ion	Ratio	Lower	Upper
165	100		
89	109.1	72.0	108.0#
63	100.9	52.7	79.1#

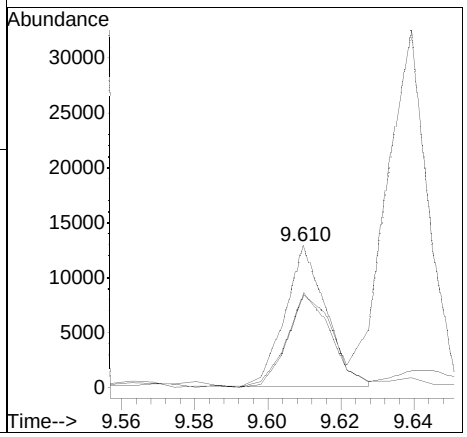


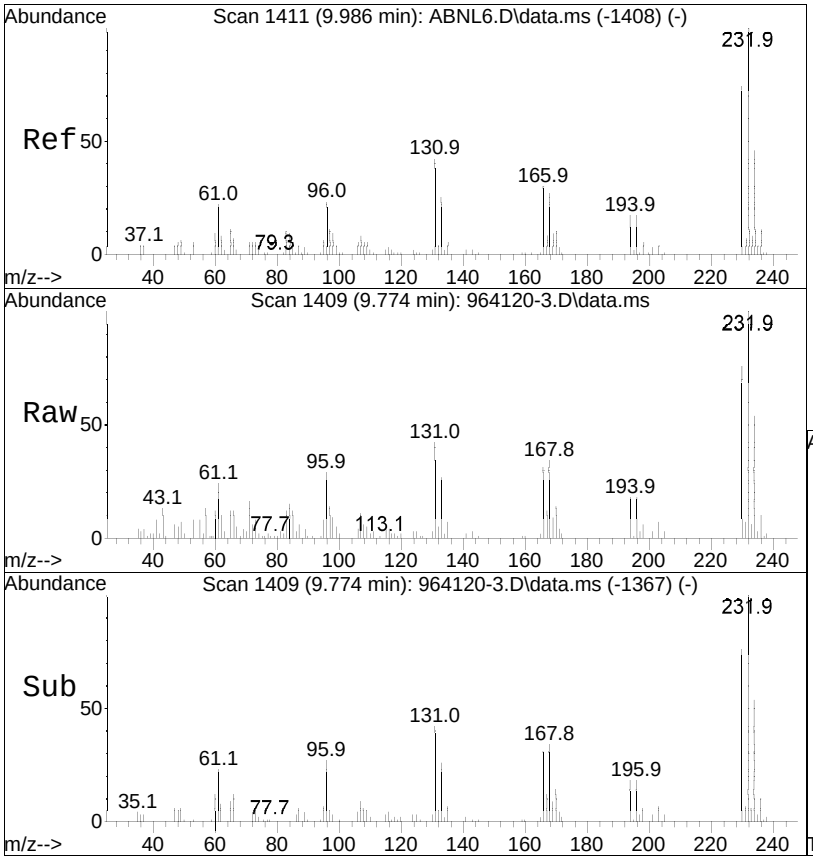


#69
4-Nitrophenol
Concen: 1.45 ug/ml
RT: 9.610 min Scan# 1381
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion: 65 Resp: 10097

Ion	Ratio	Lower	Upper
65	100		
109	80.3	47.4	71.2#
139	71.9	76.6	115.0#

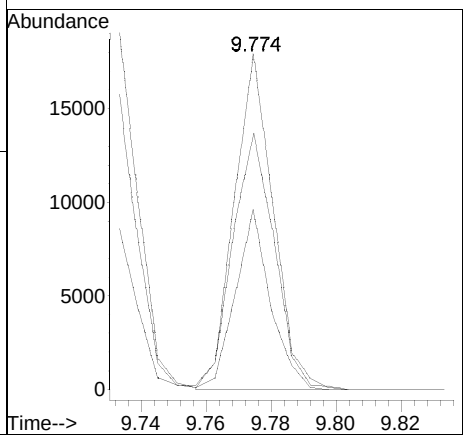


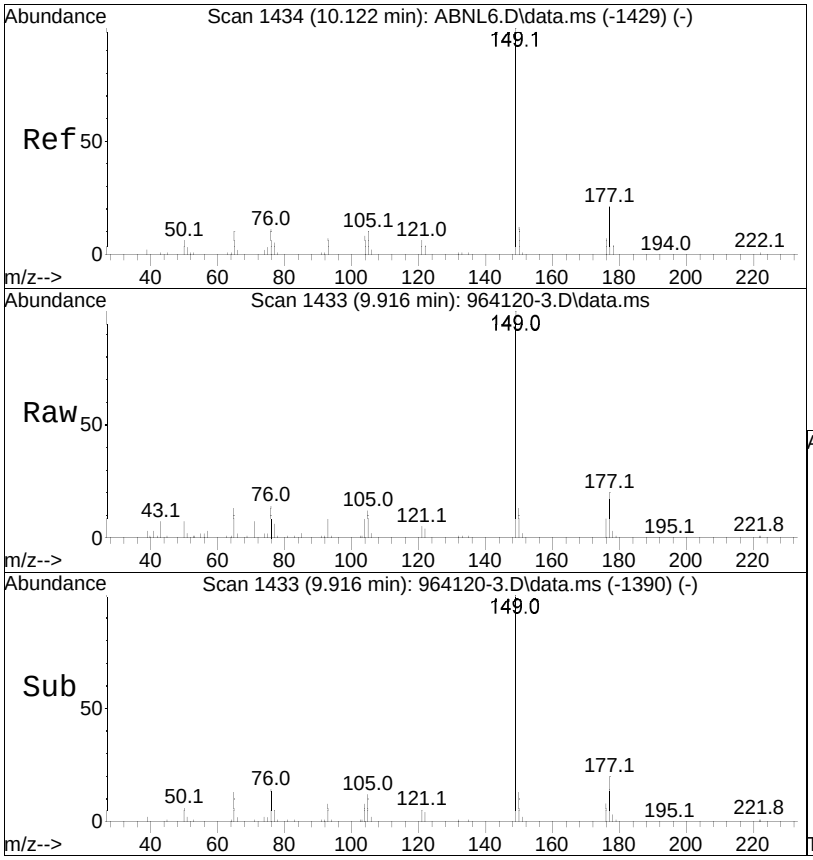


#71
2,3,4,6-Tetrachlorophenol
Concen: 1.59 ug/ml
RT: 9.774 min Scan# 1409
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:232 Resp: 14948

Ion	Ratio	Lower	Upper
232	100		
230	82.3	61.8	92.8
234	48.5	36.2	54.2

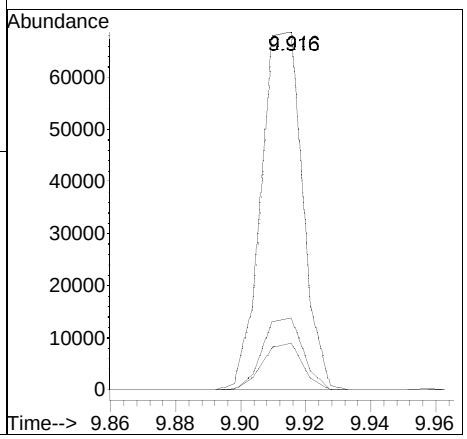


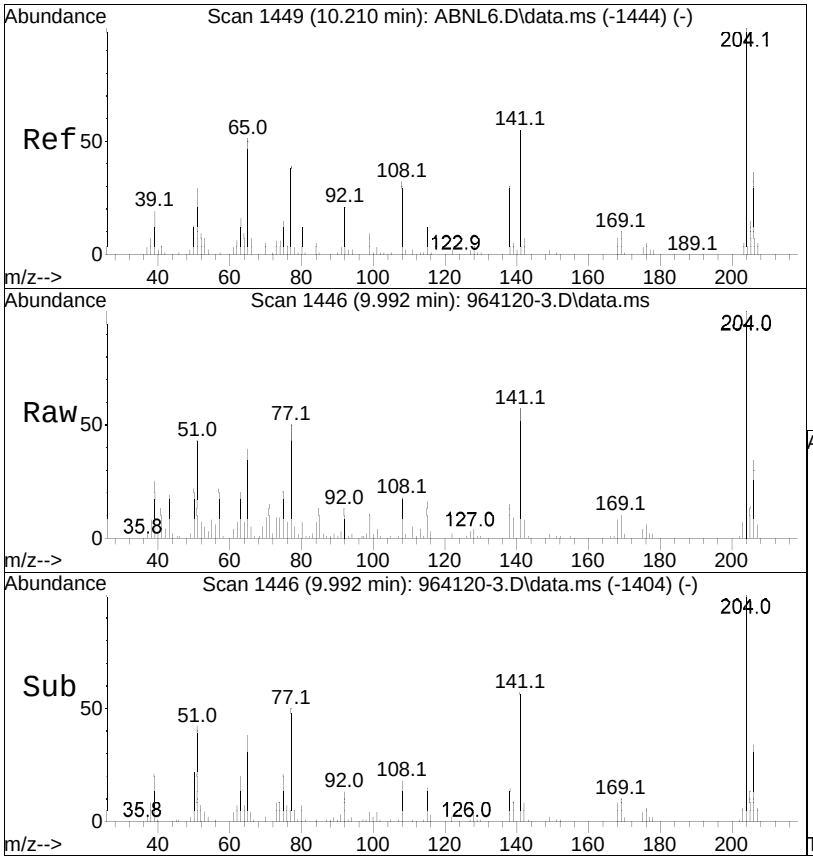


#72
Diethyl phthalate
Concen: 1.83 ug/ml
RT: 9.916 min Scan# 1433
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:149 Resp: 60374

Ion	Ratio	Lower	Upper
149	100		
177	19.8	16.1	24.1
150	12.9	9.4	14.2

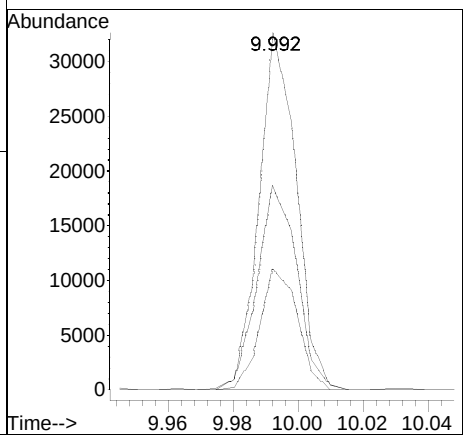


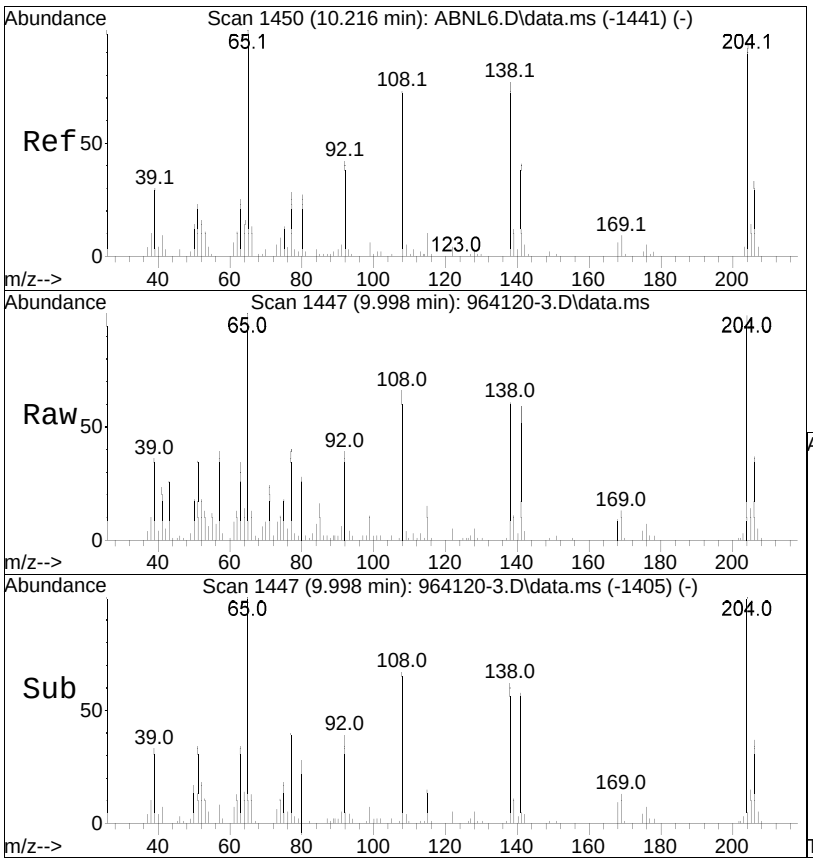


#74
4-Chlorophenyl phenyl ether
Concen: 1.49 ug/ml
RT: 9.992 min Scan# 1446
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:204 Resp: 25765

Ion	Ratio	Lower	Upper
204	100		
206	34.6	25.8	38.6
141	61.6	53.6	80.4

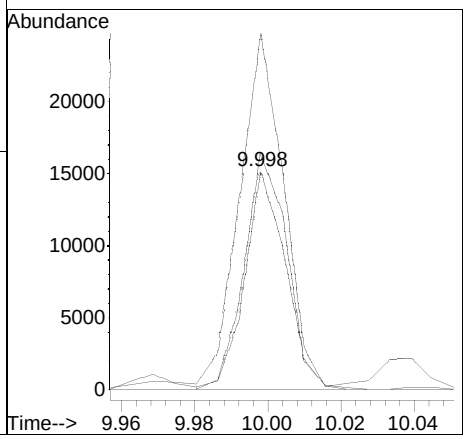


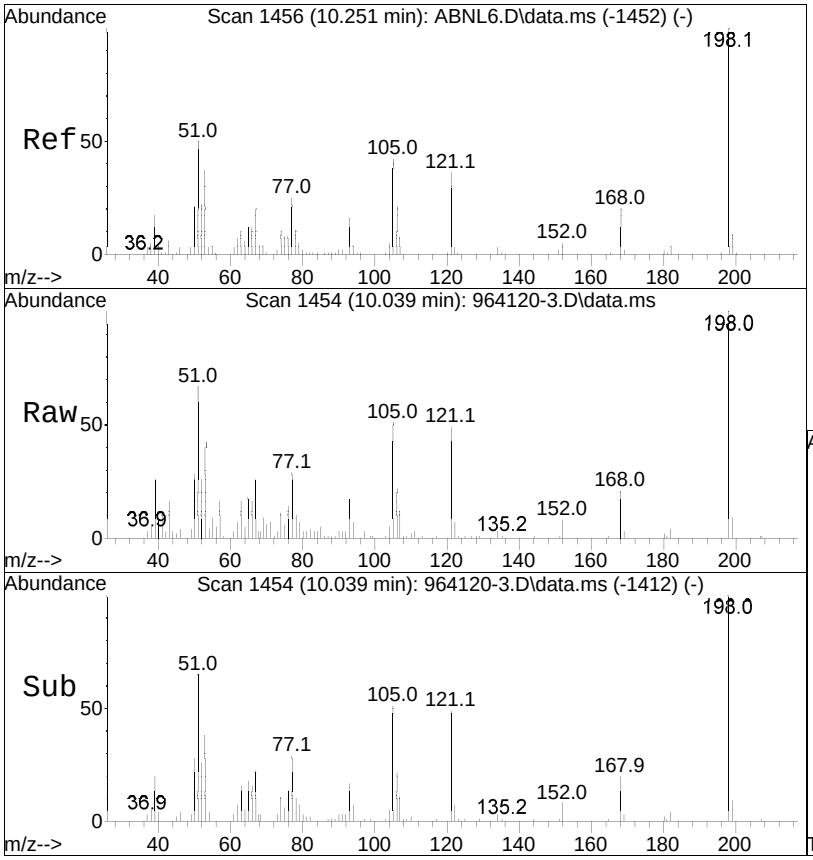


#75
4-Nitroaniline
Concen: 1.63 ug/ml
RT: 9.998 min Scan# 1447
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:138 Resp: 11715

Ion	Ratio	Lower	Upper
138	100		
108	113.5	52.1	78.1#
65	183.3	115.0	172.6#

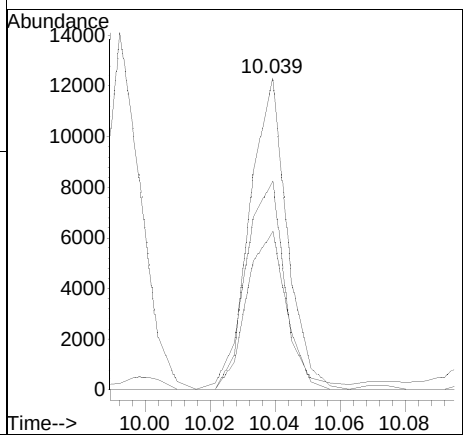


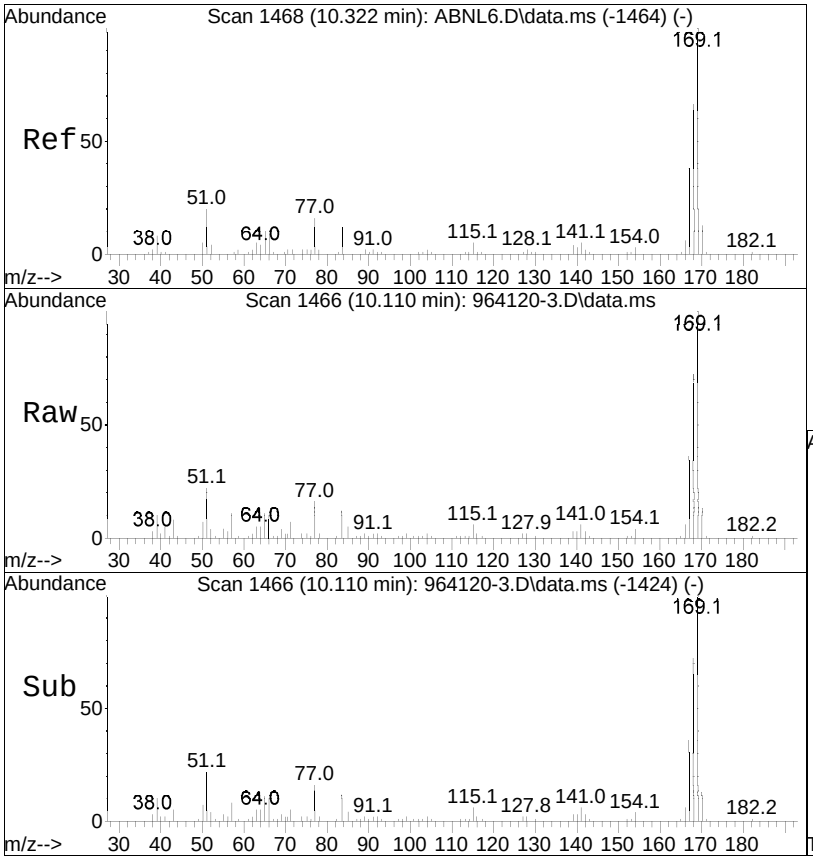


#76
4,6-Dinitro-o-cresol
Concen: 1.70 ug/ml
RT: 10.039 min Scan# 1454
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:198 Resp: 9746

Ion	Ratio	Lower	Upper
198	100		
51	72.4	76.0	114.0#
105	54.3	45.6	68.4

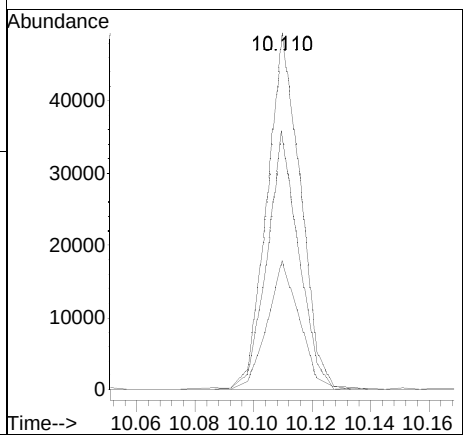


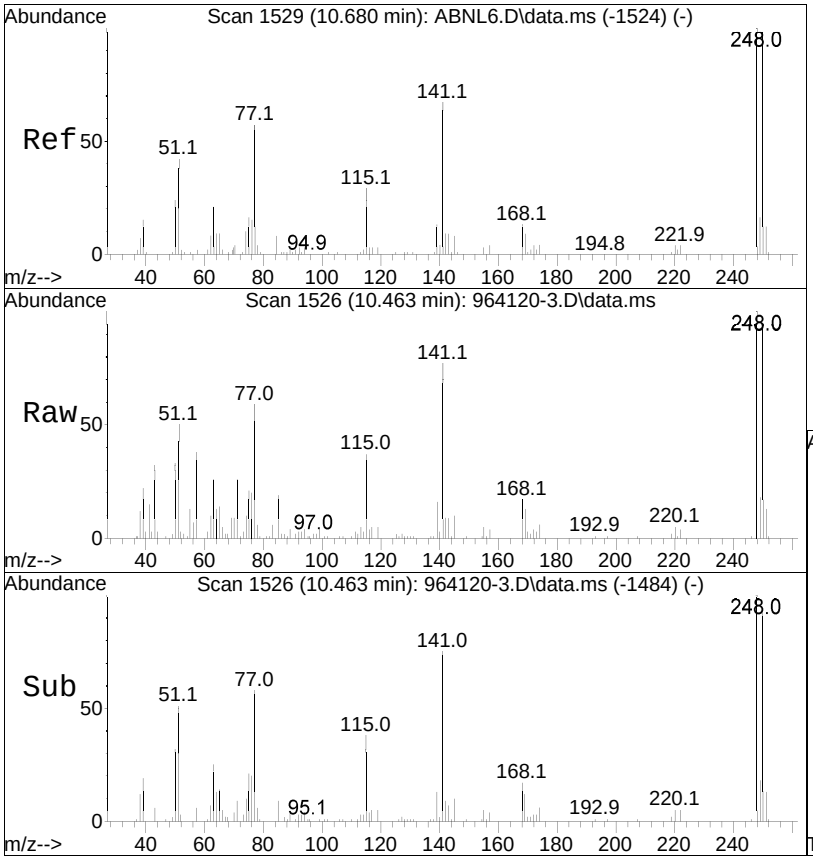


#77
NDPA/DPA
Concen: 1.43 ug/ml
RT: 10.110 min Scan# 1466
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:169 Resp: 39020

Ion	Ratio	Lower	Upper
169	100		
168	69.0	54.0	81.0
167	35.2	28.6	42.8

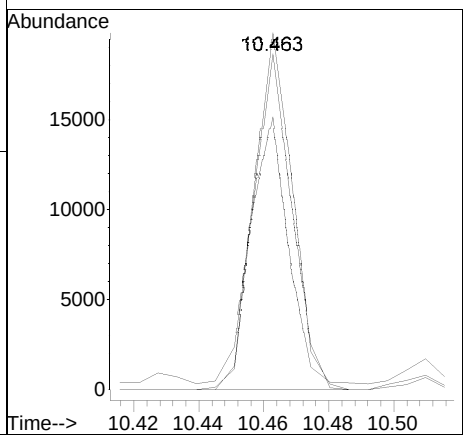


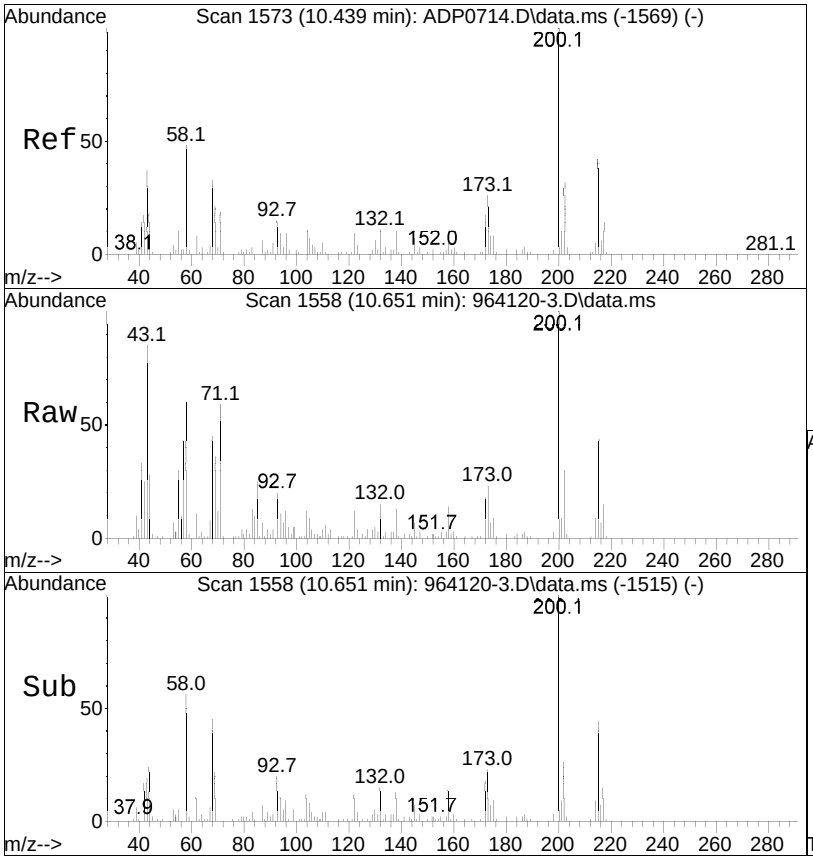


#80
4-Bromophenyl phenyl ether
Concen: 1.50 ug/ml
RT: 10.463 min Scan# 1526
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:248 Resp: 16215

Ion	Ratio	Lower	Upper
248	100		
141	77.7	76.6	114.8
250	93.4	77.3	115.9

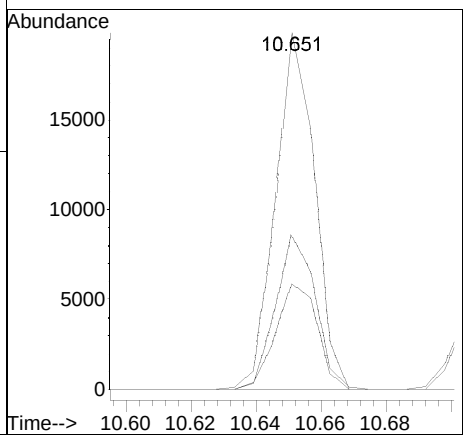


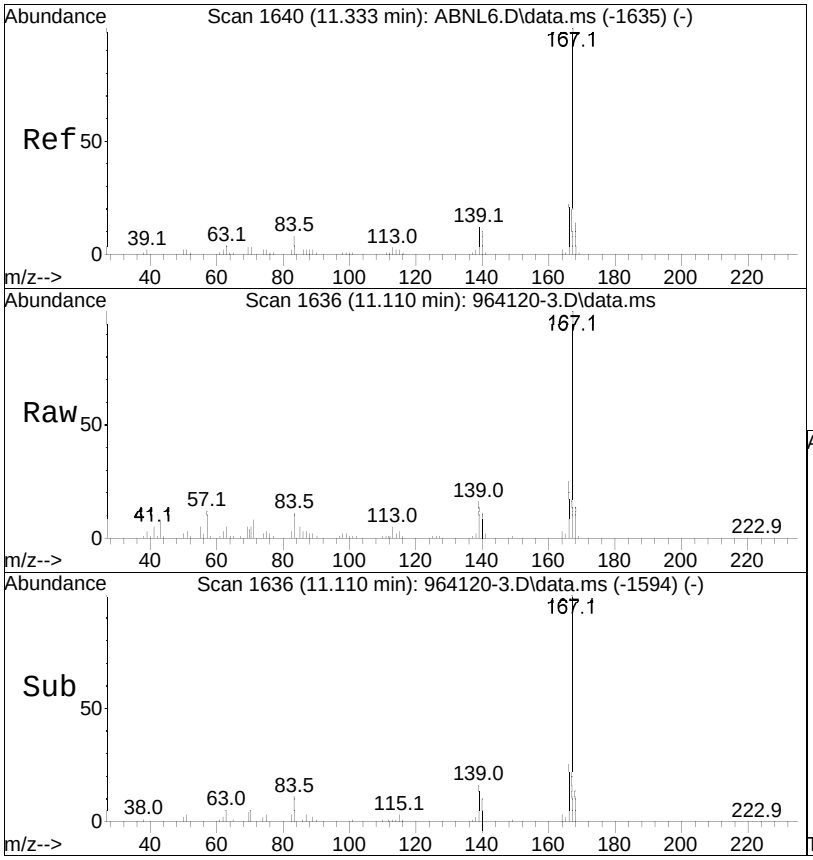


#87
Atrazine
Concen: 1.50 ug/ml
RT: 10.651 min Scan# 1558
Delta R.T. 0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:200 Resp: 16440

Ion	Ratio	Lower	Upper
200	100		
202	31.8	25.8	38.6
215	44.3	40.2	60.4

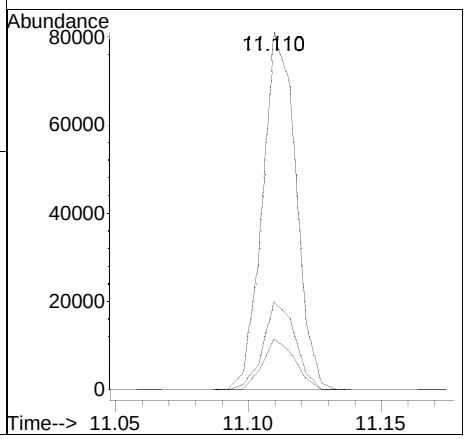


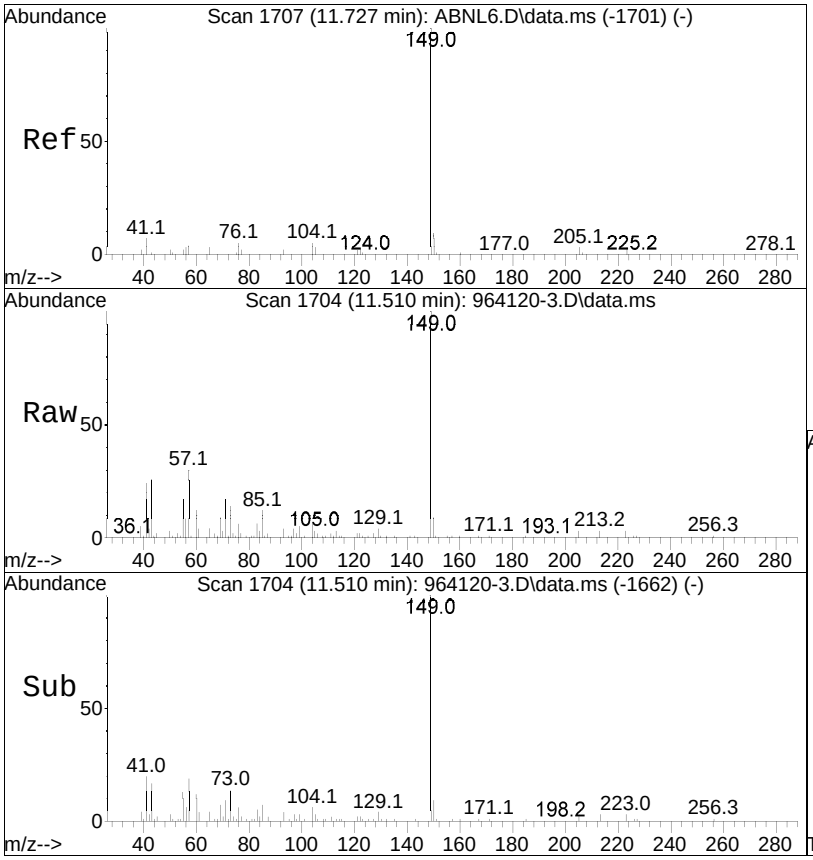


#91
Carbazole
Concen: 1.61 ug/ml
RT: 11.110 min Scan# 1636
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:167 Resp: 70184

Ion	Ratio	Lower	Upper
167	100		
168	14.0	10.6	15.8
166	23.9	17.4	26.0

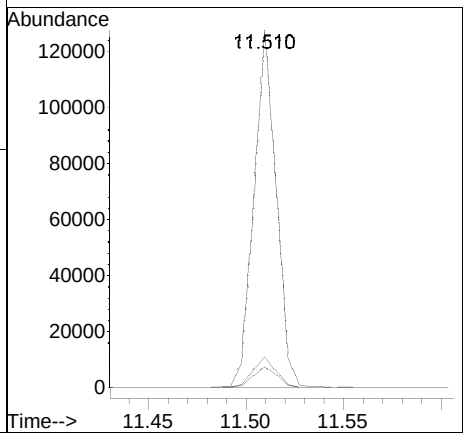


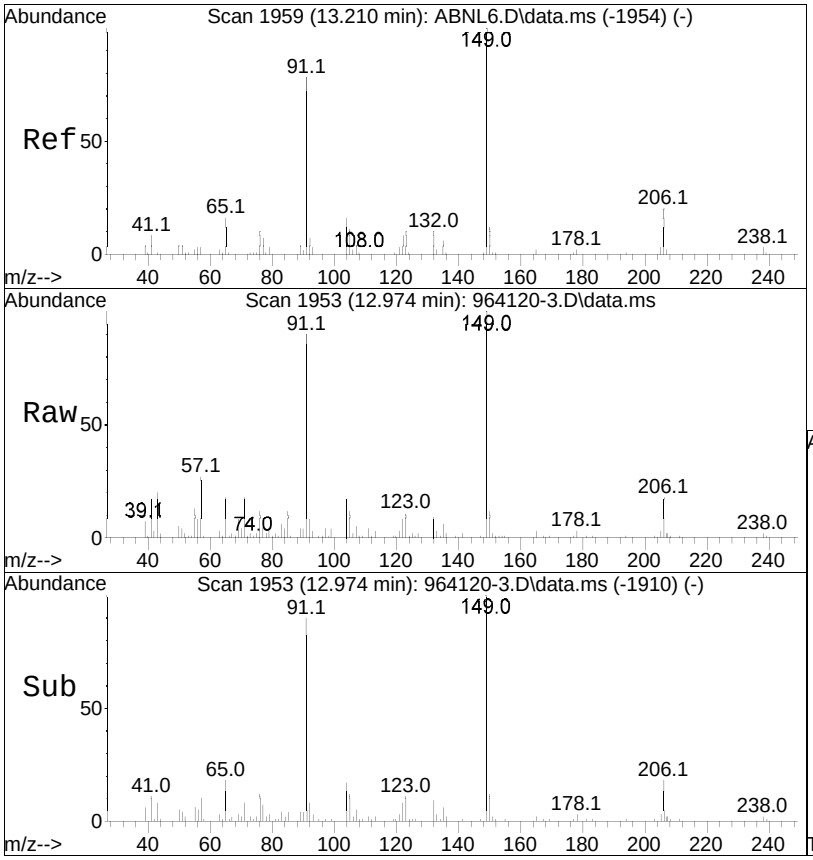


#92
Di-n-butylphthalate
Concen: 1.94 ug/ml
RT: 11.510 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:149 Resp: 99687

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	6.2	4.5	6.7

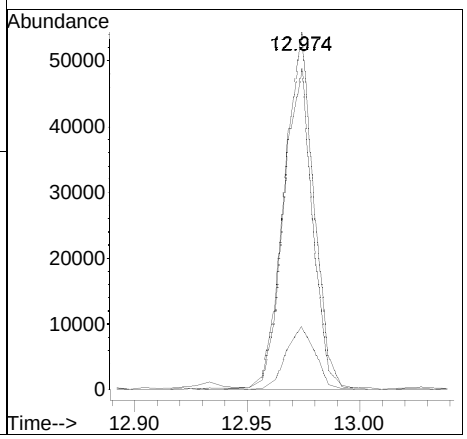


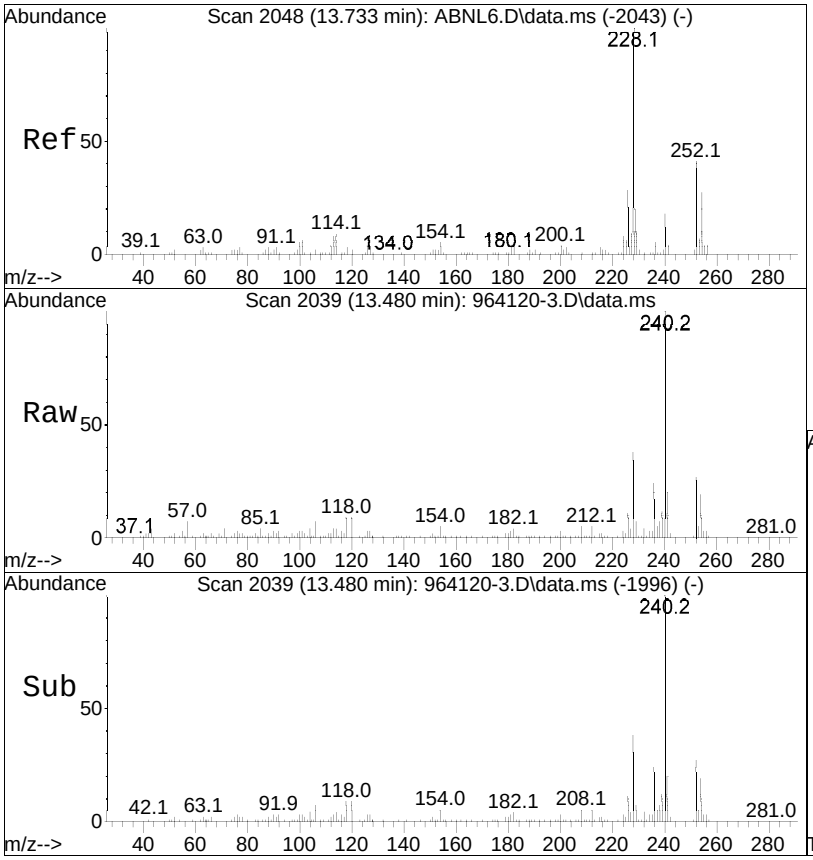


#97
Butyl benzyl phthalate
Concen: 2.09 ug/ml
RT: 12.974 min Scan# 1953
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:149 Resp: 49273

Ion	Ratio	Lower	Upper
149	100		
91	87.8	63.3	94.9
206	17.7	13.9	20.9

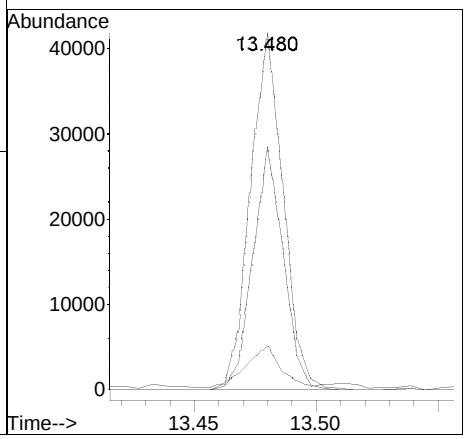


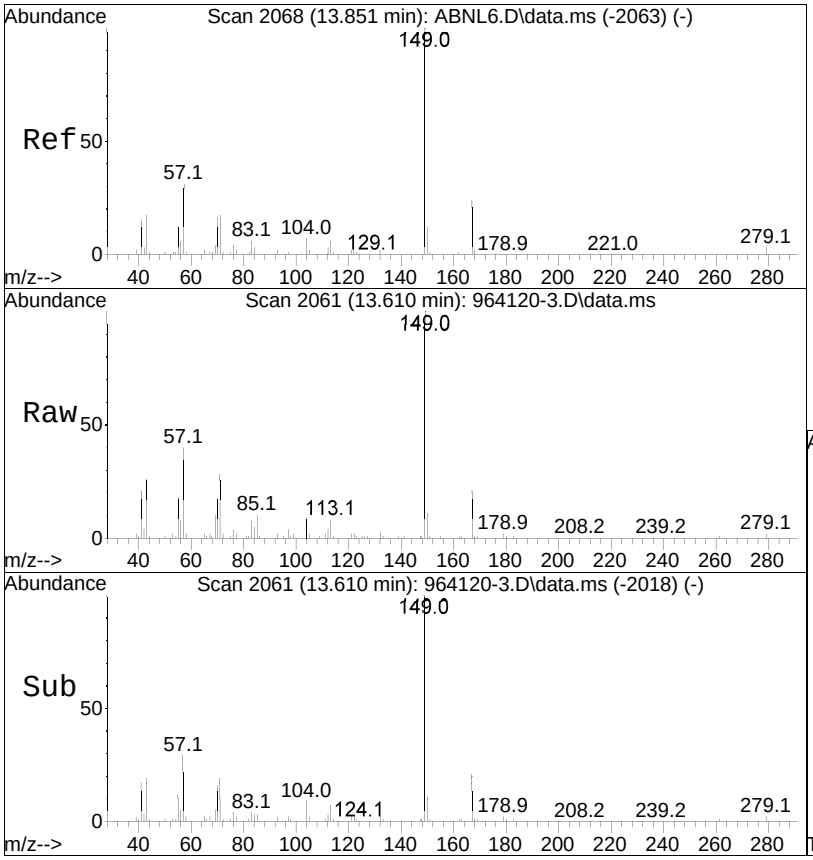


#106
3,3'-Dichlorobenzidine
Concen: 1.97 ug/ml
RT: 13.480 min Scan# 2039
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:252 Resp: 38901

Ion	Ratio	Lower	Upper
252	100		
126	12.4	14.5	21.7#
254	63.3	51.2	76.8

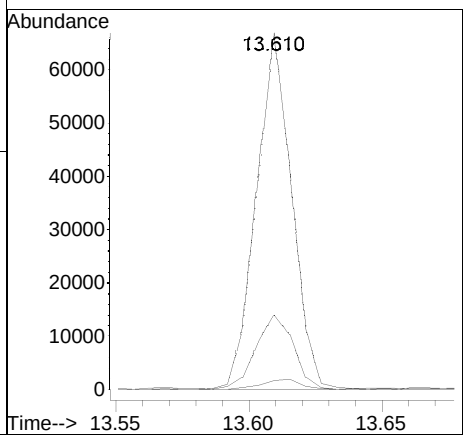


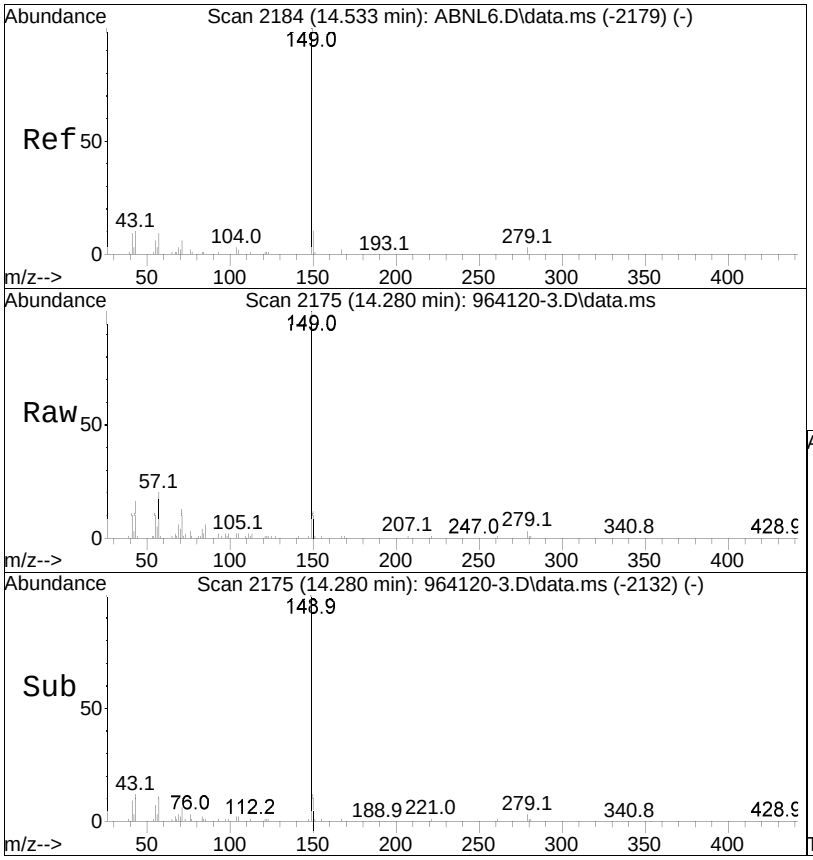


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.85 ug/ml
RT: 13.610 min Scan# 2061
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:149 Resp: 61206

Ion	Ratio	Lower	Upper
149	100		
167	22.3	22.1	33.1
279	3.0	3.0	4.4

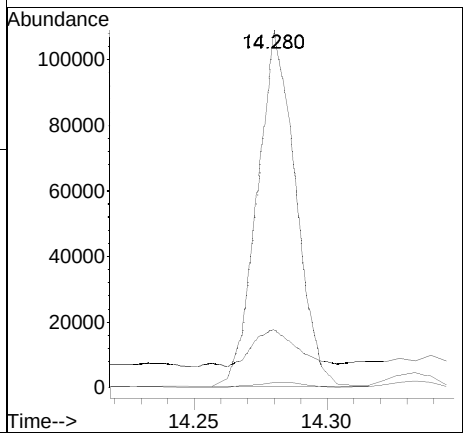




#109
Di-n-octylphthalate
Concen: 1.97 ug/ml
RT: 14.280 min Scan# 2175
Delta R.T. 0.006 min
Lab File: 964120-3.D
Acq: 27 Aug 2024 11:14 am

Tgt Ion:149 Resp: 107904

Ion	Ratio	Lower	Upper
149	100		
43	12.2	18.8	28.2#
167	1.7	1.3	1.9



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-4.D
Acq On : 26 Aug 2024 06:33 pm
Operator : SV112:jg
Sample : WG1963467-4,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 14:55:34 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	3.869	152	17858	4.000	ug/ml		0.00
Standard Area 1 = 22155			Recovery = 80.60%				
27) IS2_1,4-Dichlorobenzen...	3.869	152	17858	4.000	ug/ml		0.00
Standard Area 3 = 19368			Recovery = 92.20%				
35) IS1_Naphthalene-d8	5.116	136	67485	4.000	ug/ml		0.00
Standard Area 1 = 80666			Recovery = 83.66%				
55) IS2_Naphthalene-d8	5.116	136	67485	4.000	ug/ml		0.00
Standard Area 3 = 72145			Recovery = 93.54%				
63) IS1_Acenaphthene-d10	6.799	164	42648	4.000	ug/ml		0.00
Standard Area 1 = 48614			Recovery = 87.73%				
83) IS2_Acenaphthene-d10	6.799	164	42648	4.000	ug/ml		0.00
Standard Area 3 = 43409			Recovery = 98.25%				
86) IS3_Acenaphthene-d10	6.799	164	42648	4.000	ug/ml		0.00
Standard Area 2 = 42236			Recovery = 100.98%				
88) IS1_Phenanthrene-d10	8.198	188	86622	4.000	ug/ml		0.00
Standard Area 1 = 103722			Recovery = 83.51%				
100) IS3_Phenanthrene-d10	8.198	188	86622	4.000	ug/ml		0.00
Standard Area 2 = 94779			Recovery = 91.39%				
104) IS1_Chrysene-d12	10.728	240	97102	4.000	ug/ml	#	0.00
Standard Area 1 = 108066			Recovery = 89.85%				
113) IS1_Perylene-d12	12.110	264	113552	4.000	ug/ml		0.00
Standard Area 1 = 129326			Recovery = 87.80%				
System Monitoring Compounds							
4) 2-Fluorophenol	2.552	112	3963	0.845	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.25%				
7) Phenol-d6	3.610	99	4489	0.741	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 37.05%				
19) Nitrobenzene-d5	4.428	82	4947	0.856	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 85.60%				
46) 2-Fluorobiphenyl	6.193	172	11073	0.726	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.60%				
79) 2,4,6-Tribromophenol	7.557	330	3372	1.232	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 61.60%				
96) 4-Terphenyl-d14	9.769	244	19316	0.867	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.70%				

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-4.D
Acq On : 26 Aug 2024 06:33 pm
Operator : SV112:jg
Sample : WG1963467-4,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 14:55:34 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	3.669	128	7097	1.271	ug/ml	98
8) Phenol	3.628	94	5154	0.732	ug/ml	96
9) Bis(2-chloroethyl)ether	3.652	93	8680	1.666	ug/ml#	77
14) Bis(2-chloroisopropyl)...	4.199	45	11985	1.820	ug/ml#	74
15) 2-Methylphenol	4.216	108	6314	1.339	ug/ml	99
17) n-Nitrosodi-n-propylamine	4.328	70	6501	1.683	ug/ml	94
18) 3-Methylphenol/4-Methy...	4.381	108	7156	1.393	ug/ml#	13
20) Nitrobenzene	4.446	77	9725	1.689	ug/ml	93
21) Isophorone	4.699	82	17536	1.687	ug/ml	98
22) 2-Nitrophenol	4.763	139	3837	1.497	ug/ml#	78
23) 2,4-Dimethylphenol	4.881	107	5155	1.049	ug/ml	94
24) Bis(2-chloroethoxy)met...	4.957	93	11838	1.692	ug/ml#	97
25) 2,4-Dichlorophenol	5.022	162	6844	1.330	ug/ml	94
28) Benzaldehyde	3.422	105	6340	1.299	ug/ml	94
29) Acetophenone	4.293	105	13034	1.534	ug/ml	98
38) 4-Chloroaniline	5.228	65	3348M1	1.684	ug/ml	
40) p-Chloro-m-cresol	5.757	107	7687	1.646	ug/ml	95
43) Hexachlorocyclopentadiene	5.993	237	2751	0.650	ug/ml#	94
44) 2,4,6-Trichlorophenol	6.116	196	4425	1.023	ug/ml	96
45) 2,4,5-Trichlorophenol	6.152	196	6170	1.394	ug/ml	99
48) 2-Nitroaniline	6.399	138	6085	1.799	ug/ml	96
51) Dimethyl phthalate	6.616	163	25699	1.651	ug/ml	98
53) 2,6-Dinitrotoluene	6.646	165	4976	1.709	ug/ml#	78
60) Caprolactam	5.522	55	1463	0.941	ug/ml	97
61) 1,2,4,5-Tetrachloroben...	5.981	216	8840	1.094	ug/ml	96
62) Biphenyl	6.275	154	21937	1.267	ug/ml	99
64) 3-Nitroaniline	6.793	138	5647	1.773	ug/ml#	96
66) 2,4-Dinitrophenol	6.899	184	348M2	0.567	ug/ml	
67) Dibenzofuran	6.998	168	29074	1.484	ug/ml	91
68) 2,4-Dinitrotoluene	7.022	165	6844	1.675	ug/ml#	84
69) 4-Nitrophenol	7.040	65	1565	0.507	ug/ml#	76
71) 2,3,4,6-Tetrachlorophenol	7.140	232	3853	0.977	ug/ml	100
72) Diethyl phthalate	7.298	149	25502	1.609	ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.357	204	10837	1.304	ug/ml#	87
75) 4-Nitroaniline	7.369	138	5593	1.669	ug/ml	97
76) 4,6-Dinitro-o-cresol	7.404	198	1878	0.916	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-4.D
Acq On : 26 Aug 2024 06:33 pm
Operator : SV112:jg
Sample : WG1963467-4,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 14:55:34 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	NDPA/DPA	7.475	169	20487	1.561	ug/ml	96
80)	4-Bromophenyl phenyl e...	7.816	248	7309	1.372	ug/ml#	83
87)	Atrazine	8.028	200	7175	1.525	ug/ml	94
91)	Carbazole	8.451	167	37031	1.804	ug/ml	99
92)	Di-n-butylphthalate	8.875	149	41935	1.873	ug/ml	99
97)	Butyl benzyl phthalate	10.292	149	19553	1.974	ug/ml	95
106)	3,3'-Dichlorobenzidine	10.745	252	18780	1.654	ug/ml	96
108)	Bis(2-ethylhexyl)phtha...	10.910	149	28892	1.863	ug/ml	99
109)	Di-n-octylphthalate	11.551	149	47316	1.991	ug/ml	97

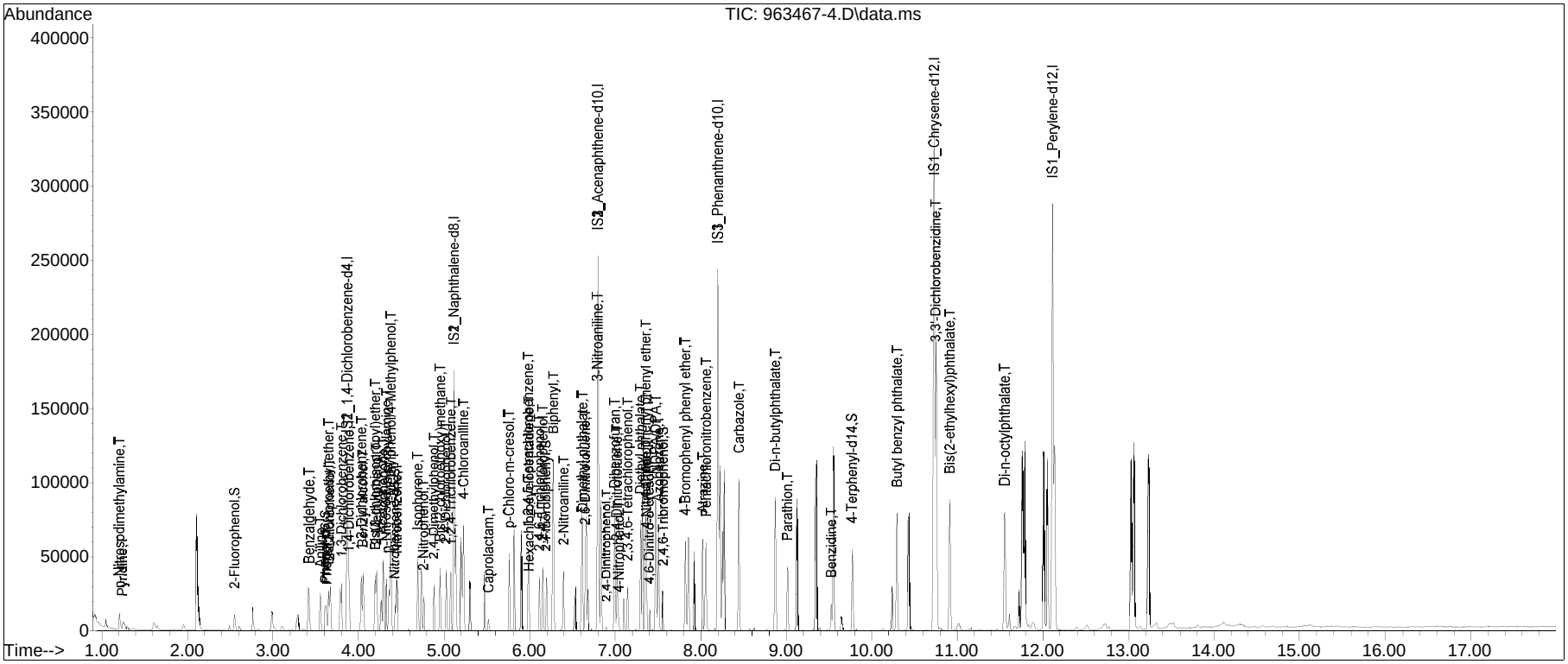
(#) = qualifier out of range (m) = manual integration (+) = signals summed

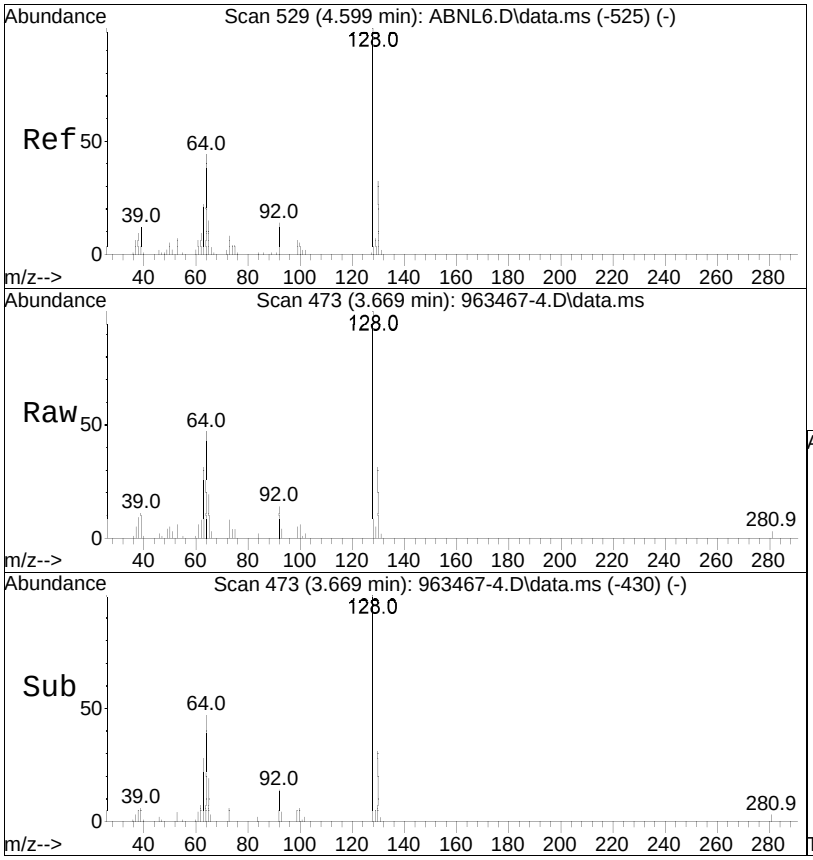
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-4.D
Acq On : 26 Aug 2024 06:33 pm
Operator : SV112:jg
Sample : WG1963467-4,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 14:55:34 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

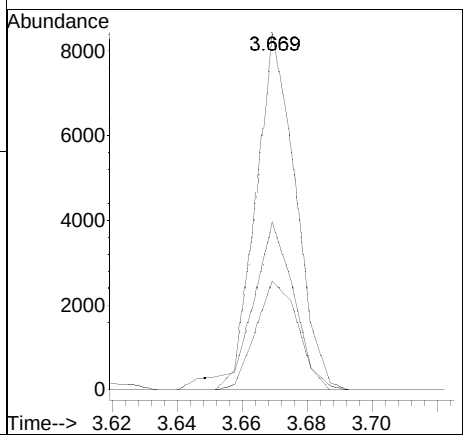


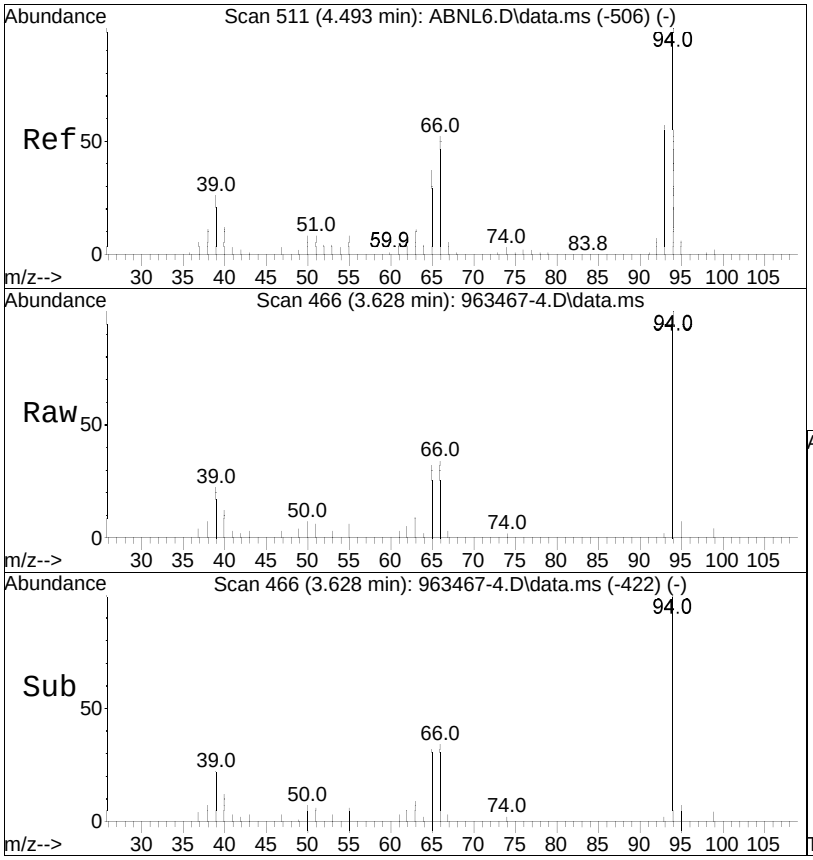


#6
2-Chlorophenol
Concen: 1.27 ug/ml
RT: 3.669 min Scan# 473
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:128 Resp: 7097

Ion	Ratio	Lower	Upper
128	100		
64	50.2	38.2	57.4
130	32.4	26.2	39.2

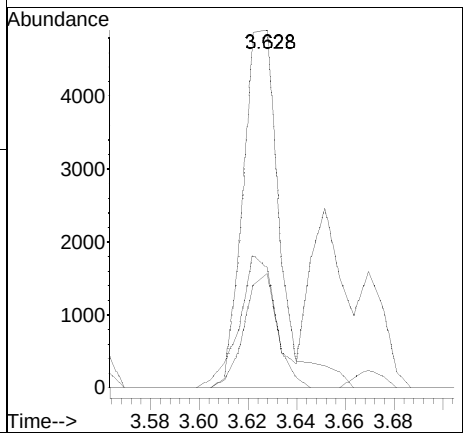


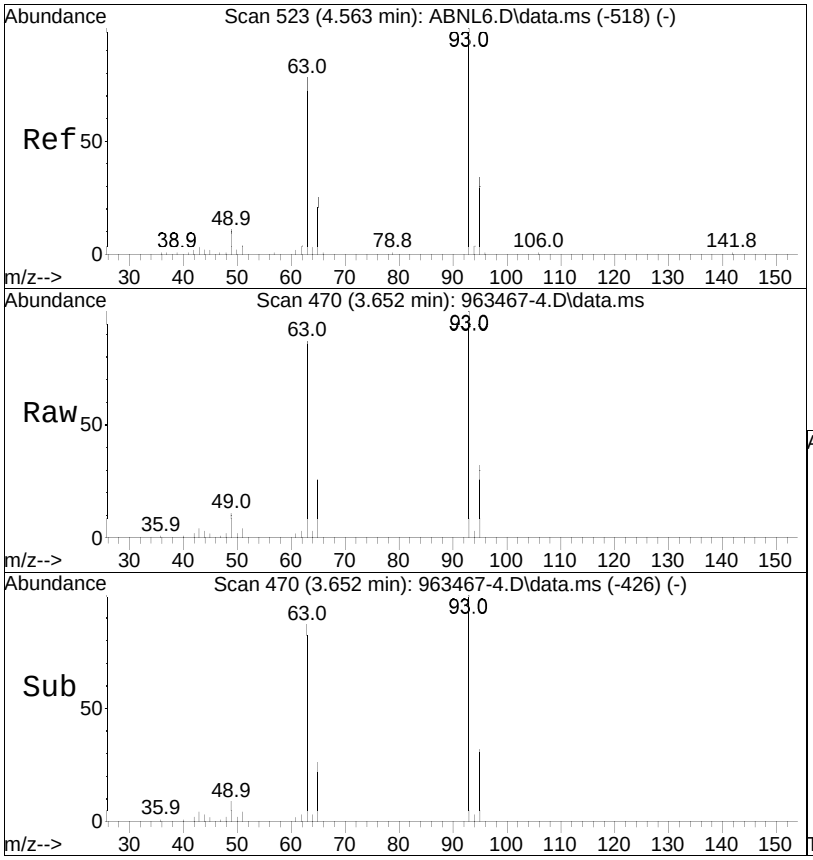


#8
Phenol
Concen: 0.73 ug/ml
RT: 3.628 min Scan# 466
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 94 Resp: 5154

Ion	Ratio	Lower	Upper
94	100		
65	30.1	23.0	34.6
66	36.6	32.1	48.1

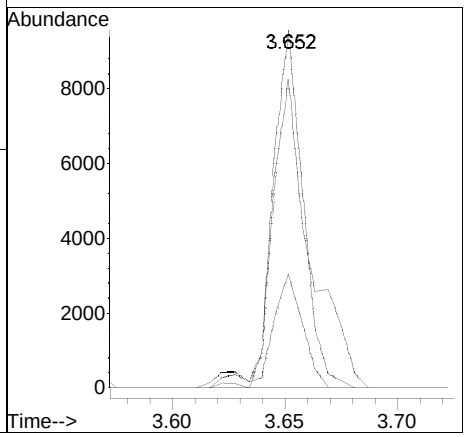


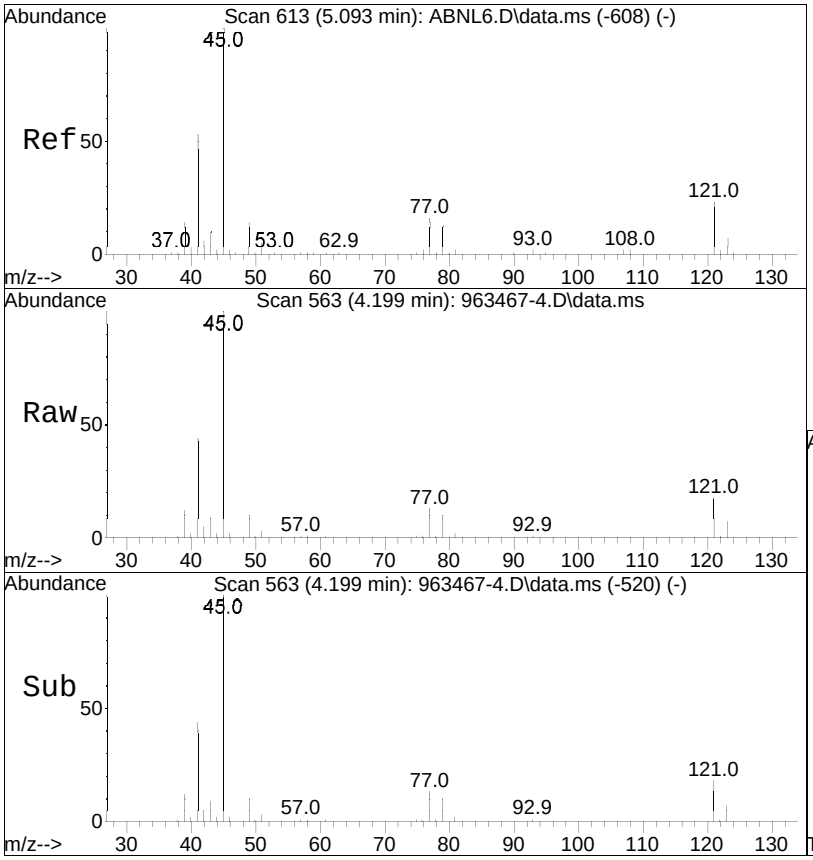


#9
Bis(2-chloroethyl)ether
Concen: 1.67 ug/ml
RT: 3.652 min Scan# 470
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 93 Resp: 8680

Ion	Ratio	Lower	Upper
93	100		
63	111.8	67.0	100.4#
95	34.0	26.1	39.1

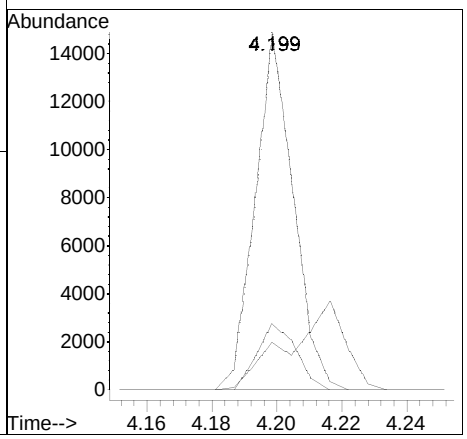


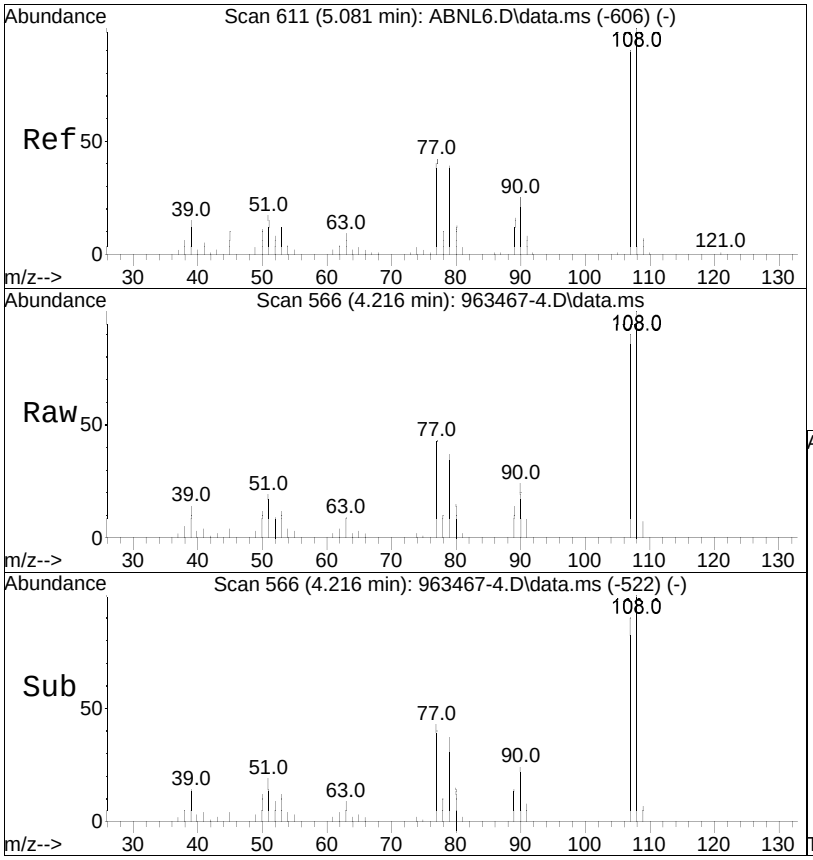


#14
Bis(2-chloroisopropyl)ether
Concen: 1.82 ug/ml
RT: 4.199 min Scan# 563
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 45 Resp: 11985

Ion	Ratio	Lower	Upper
45	100		
121	19.2	14.8	22.2
77	37.1	10.5	15.7#

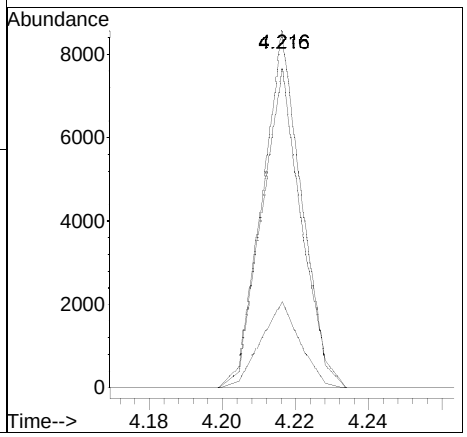


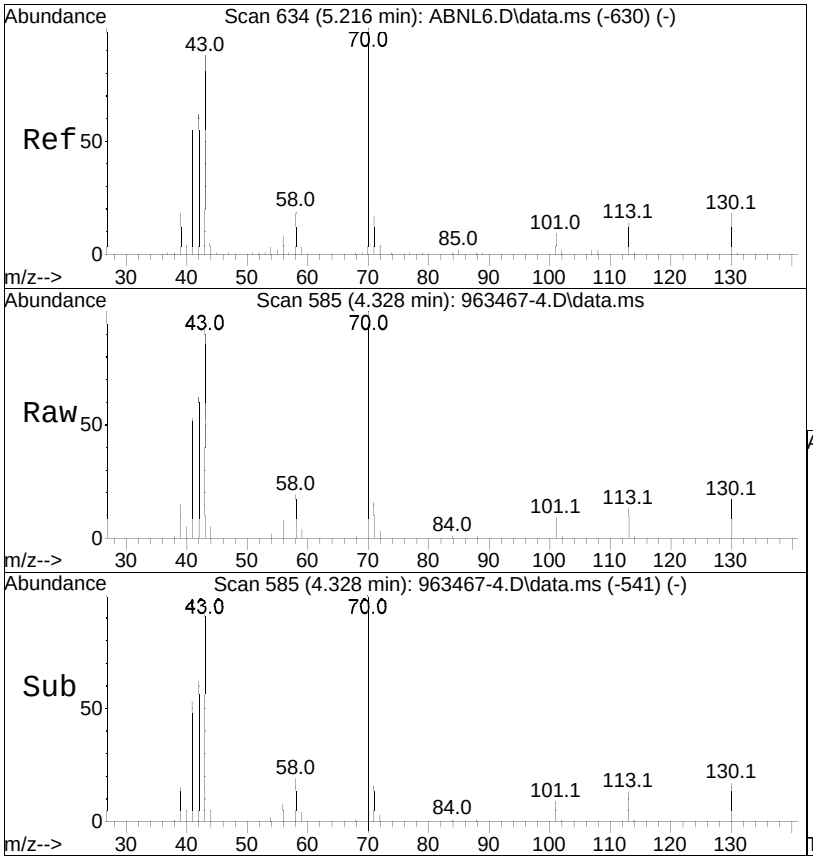


#15
2-Methylphenol
Concen: 1.34 ug/ml
RT: 4.216 min Scan# 566
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:108 Resp: 6314

Ion	Ratio	Lower	Upper
108	100		
107	90.4	71.0	106.4
90	24.4	19.7	29.5

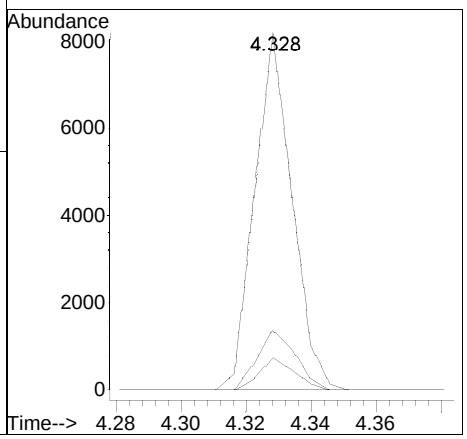


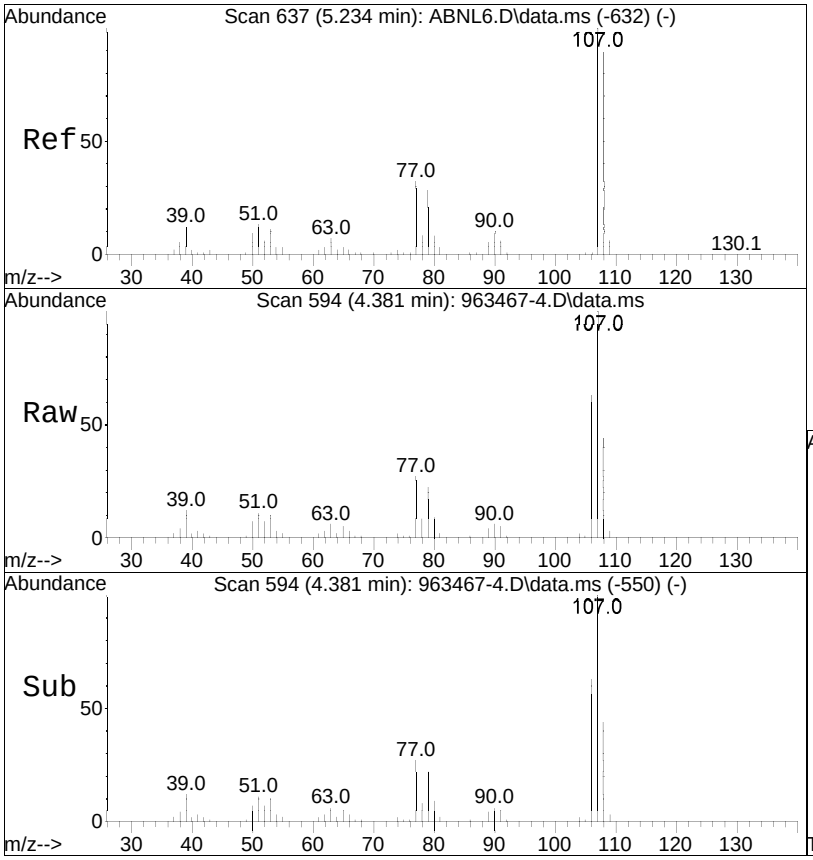


#17
n-Nitrosodi-n-propylamine
Concen: 1.68 ug/ml
RT: 4.328 min Scan# 585
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 70 Resp: 6501

Ion	Ratio	Lower	Upper
70	100		
130	17.0	16.2	24.4
101	8.5	7.6	11.4

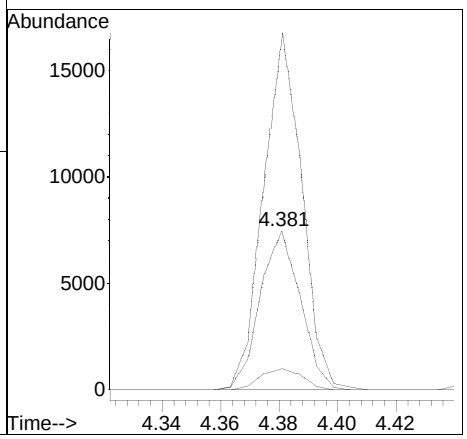


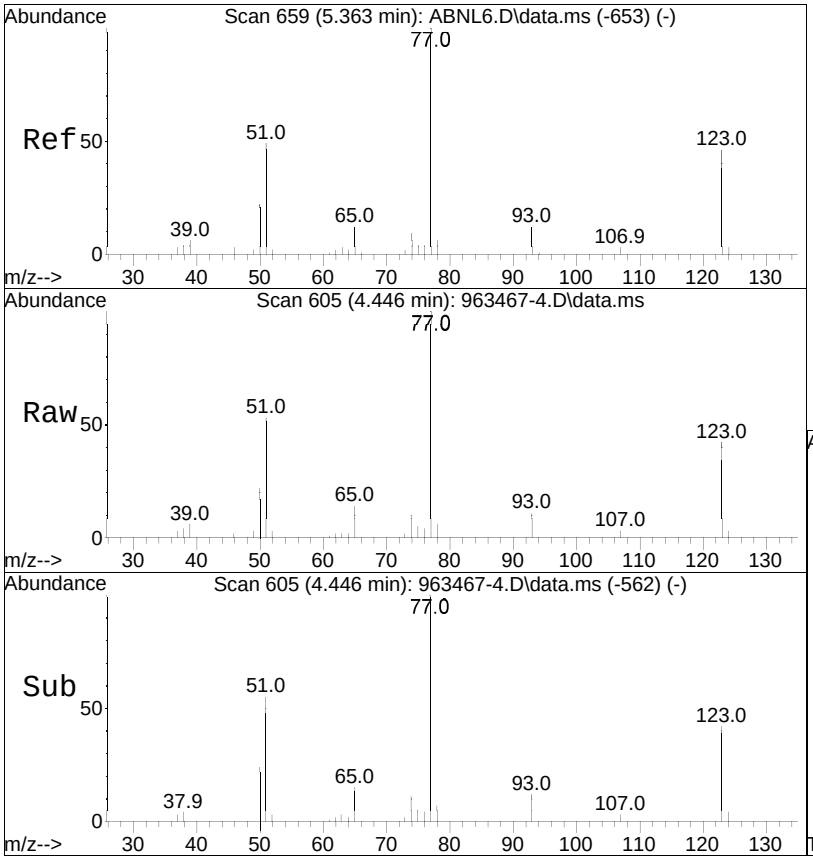


#18
3-Methylphenol/4-Methylphenol
Concen: 1.39 ug/ml
RT: 4.381 min Scan# 594
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:108 Resp: 7156

Ion	Ratio	Lower	Upper
108	100		
107	212.0	88.8	133.2#
90	14.2	9.0	13.6#

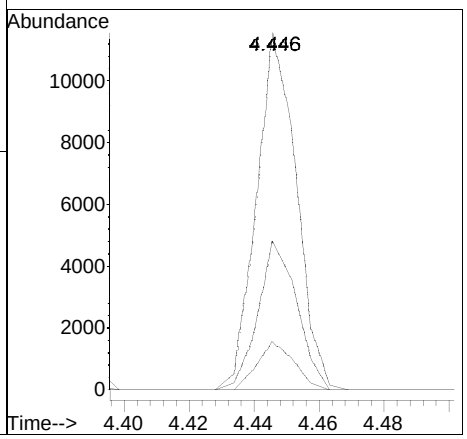


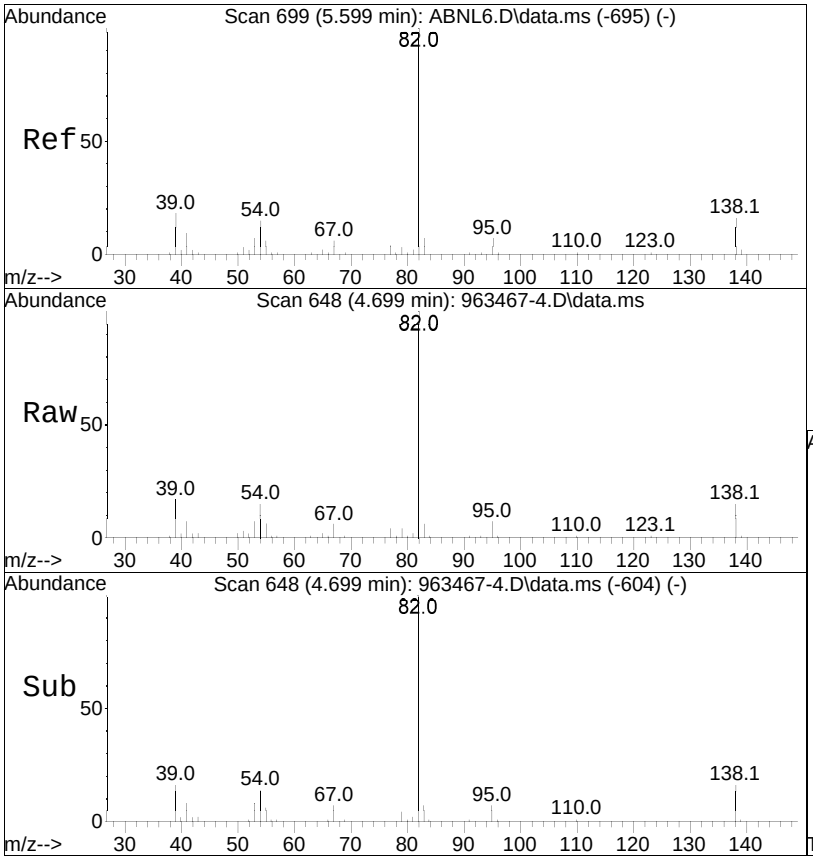


#20
Nitrobenzene
Concen: 1.69 ug/ml
RT: 4.446 min Scan# 605
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 77 Resp: 9725

Ion	Ratio	Lower	Upper
77	100		
123	40.9	37.3	55.9
65	12.6	10.9	16.3

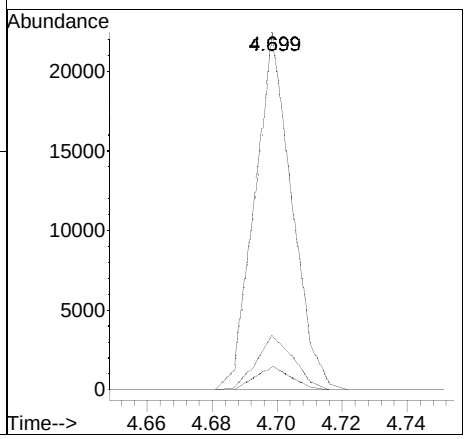


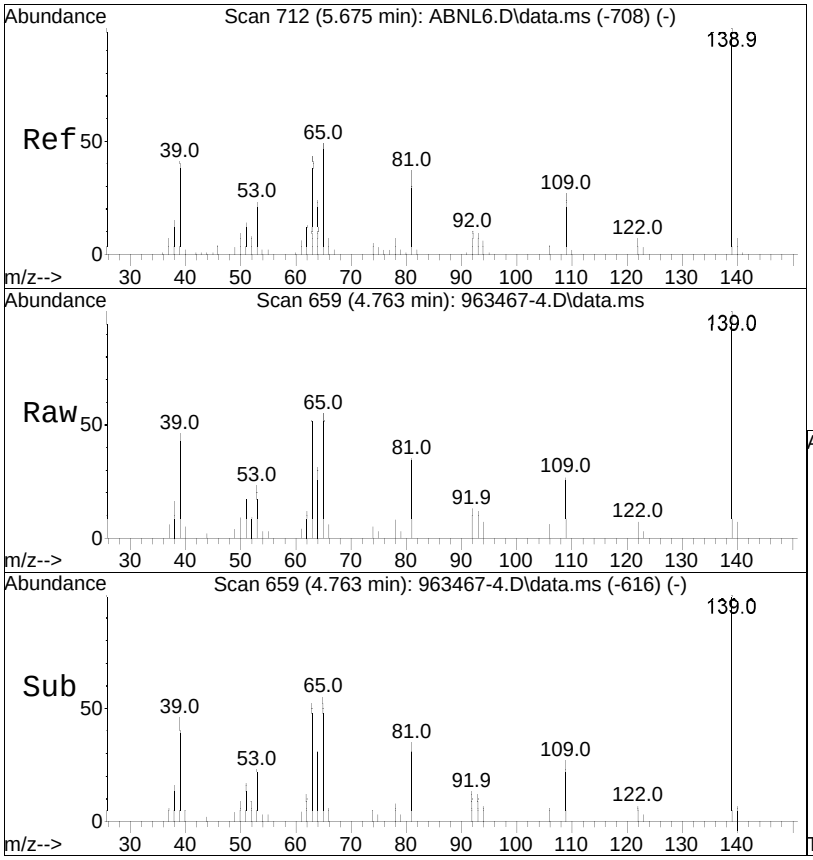


#21
Isophorone
Concen: 1.69 ug/ml
RT: 4.699 min Scan# 648
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 82 Resp: 17536

Ion	Ratio	Lower	Upper
82	100		
138	15.4	13.0	19.4
95	6.4	5.5	8.3

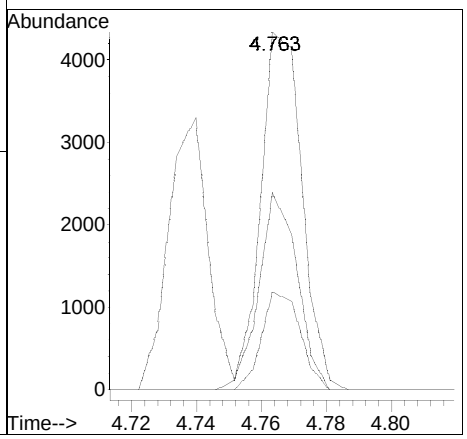


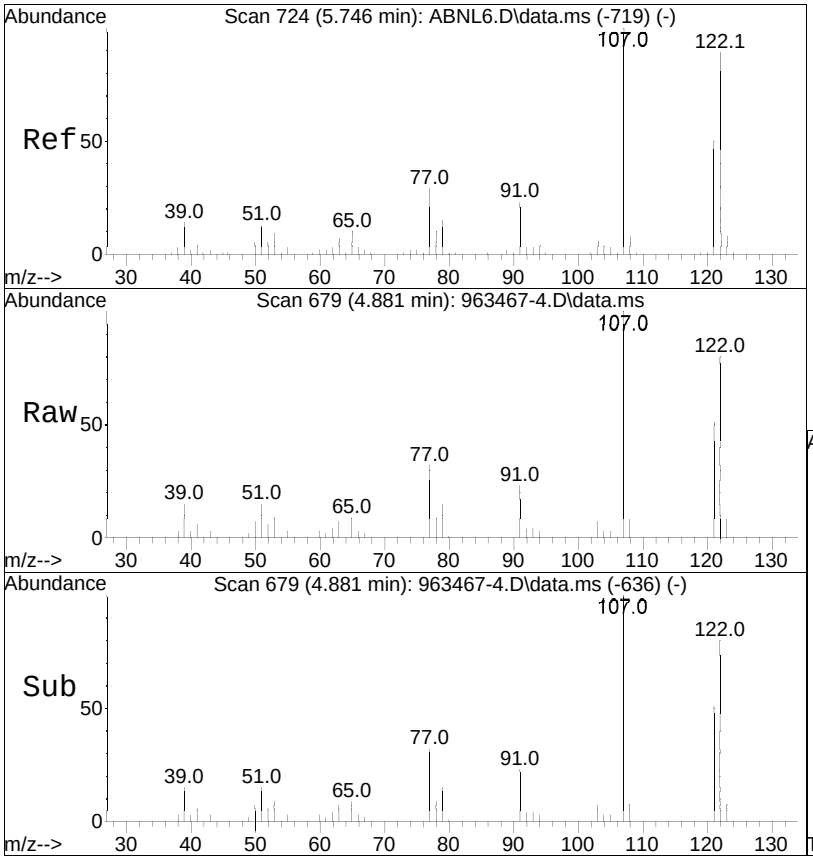


#22
2-Nitrophenol
Concen: 1.50 ug/ml
RT: 4.763 min Scan# 659
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:139 Resp: 3837

Ion	Ratio	Lower	Upper
139	100		
109	25.6	23.1	34.7
65	72.9	41.4	62.2#

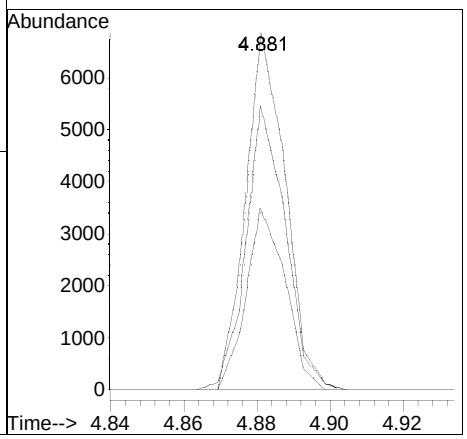


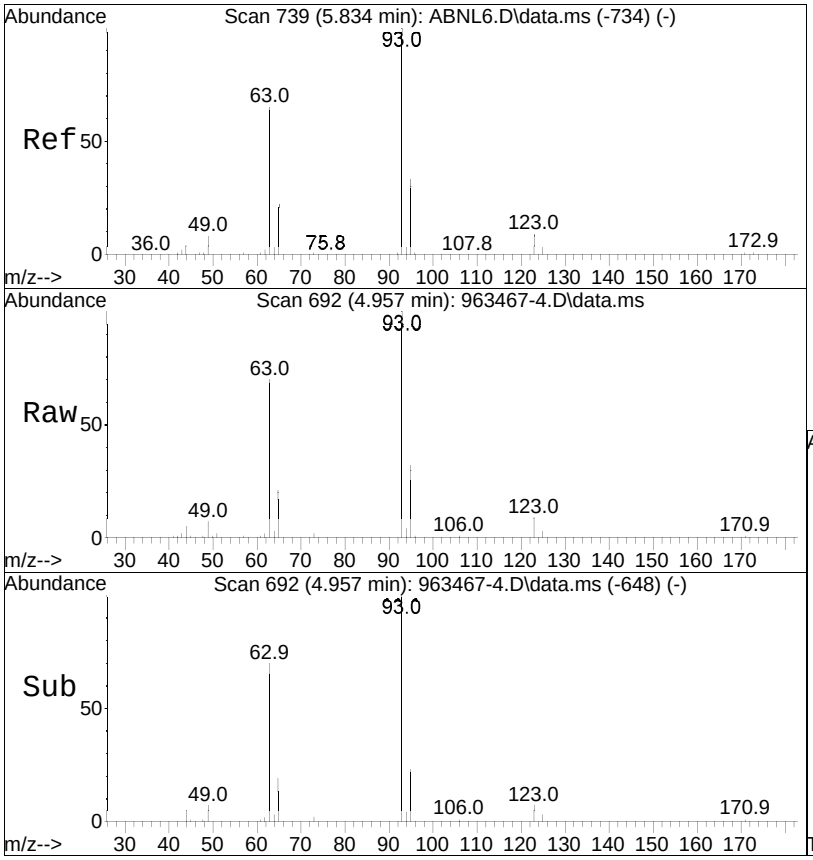


#23
2,4-Dimethylphenol
Concen: 1.05 ug/ml
RT: 4.881 min Scan# 679
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:107 Resp: 5155

Ion	Ratio	Lower	Upper
107	100		
121	50.4	41.3	61.9
122	79.0	69.3	103.9

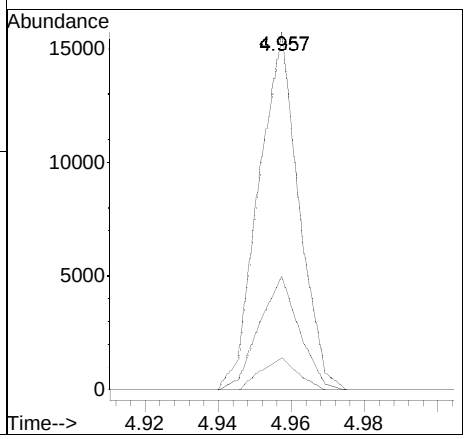


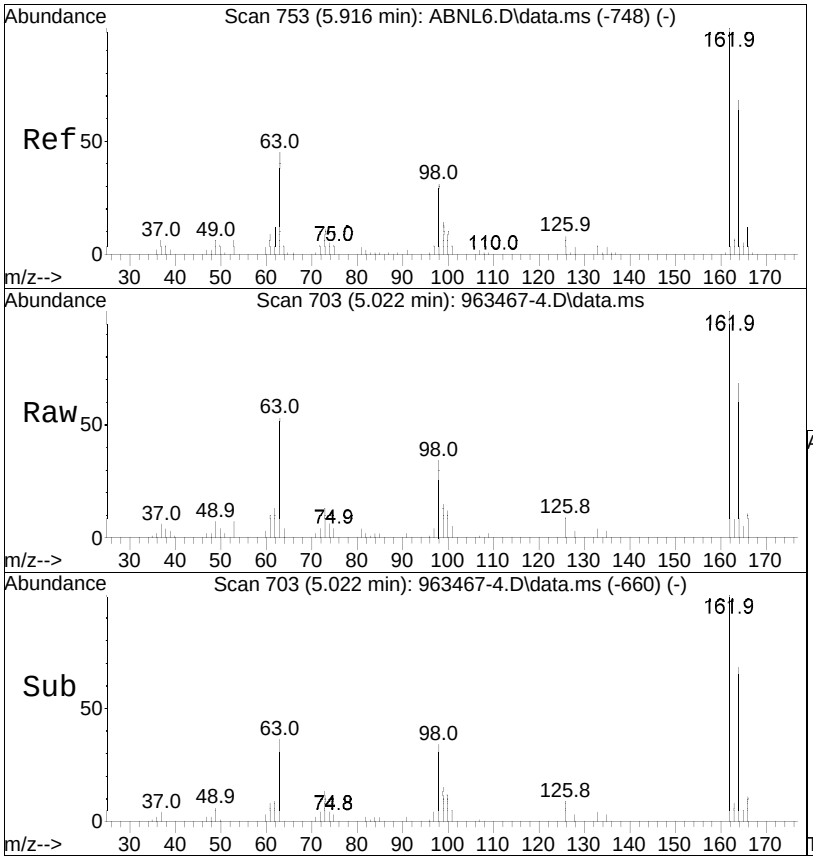


#24
Bis(2-chloroethoxy)methane
Concen: 1.69 ug/ml
RT: 4.957 min Scan# 692
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 93 Resp: 11838

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.8	38.8
123	8.2	9.6	14.4#

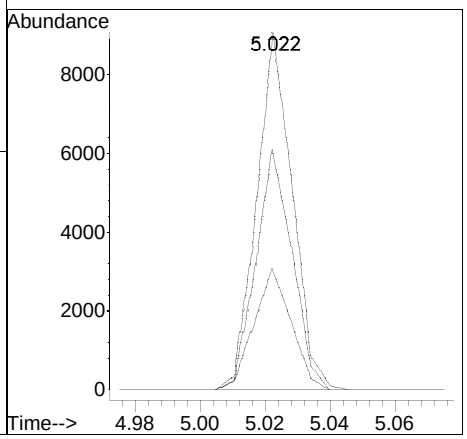


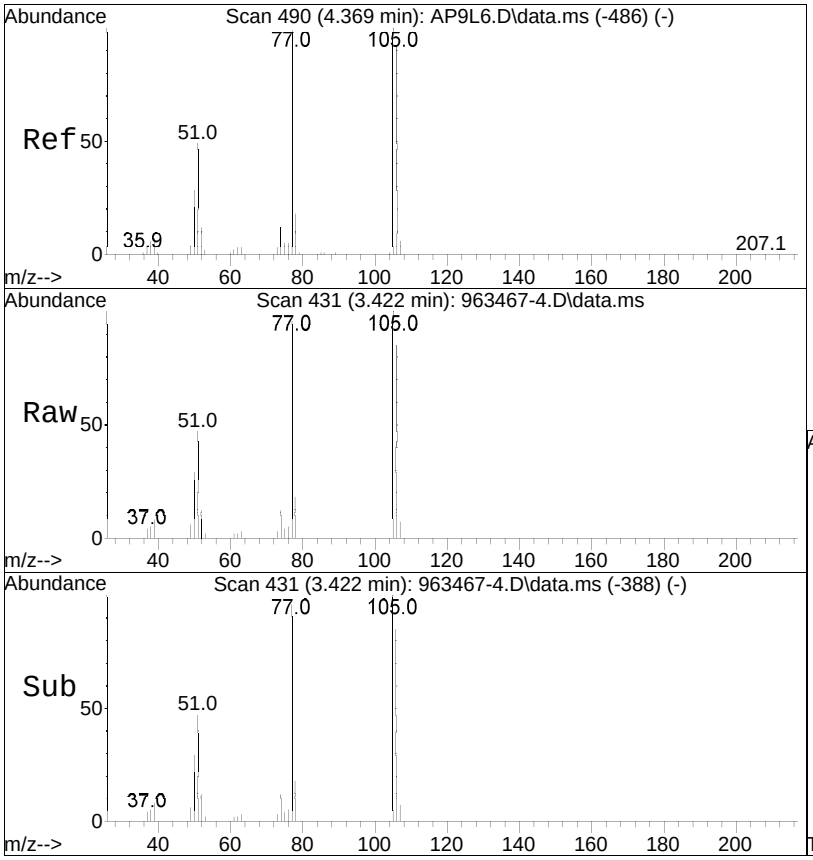


#25
2,4-Dichlorophenol
Concen: 1.33 ug/ml
RT: 5.022 min Scan# 703
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:162 Resp: 6844

Ion	Ratio	Lower	Upper
162	100		
164	68.3	51.1	76.7
98	35.5	32.2	48.2

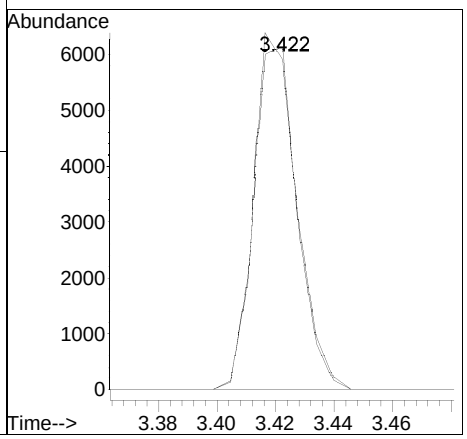


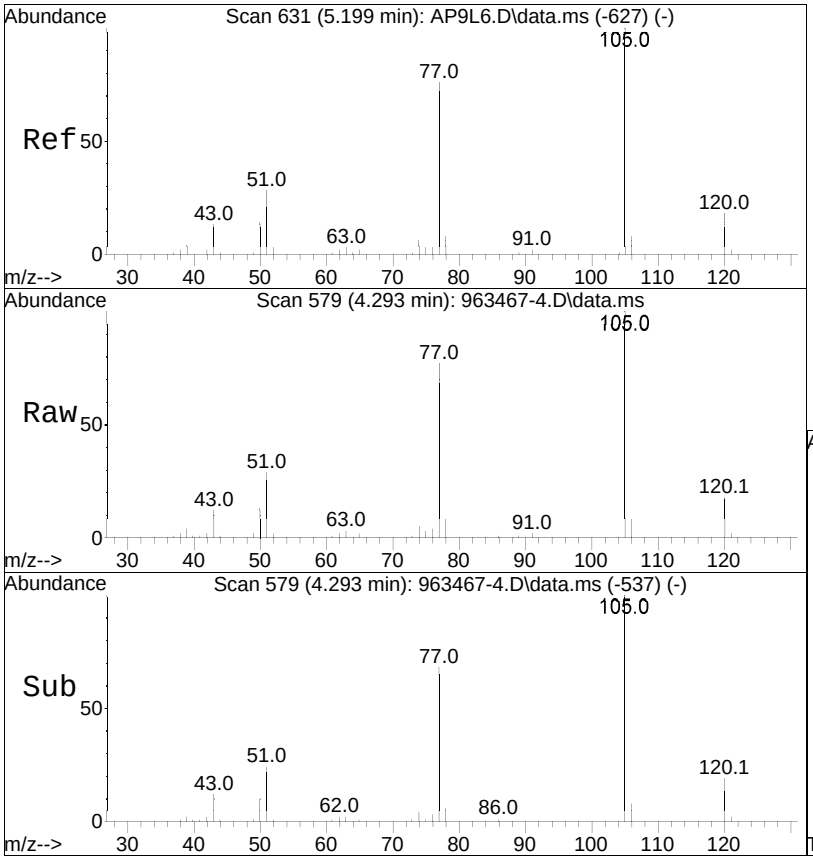


#28
Benzaldehyde
Concen: 1.30 ug/ml
RT: 3.422 min Scan# 431
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:105 Resp: 6340

Ion	Ratio	Lower	Upper
105	100		
77	102.2	77.0	115.6

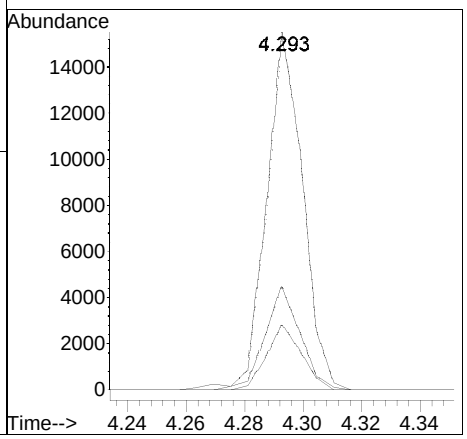


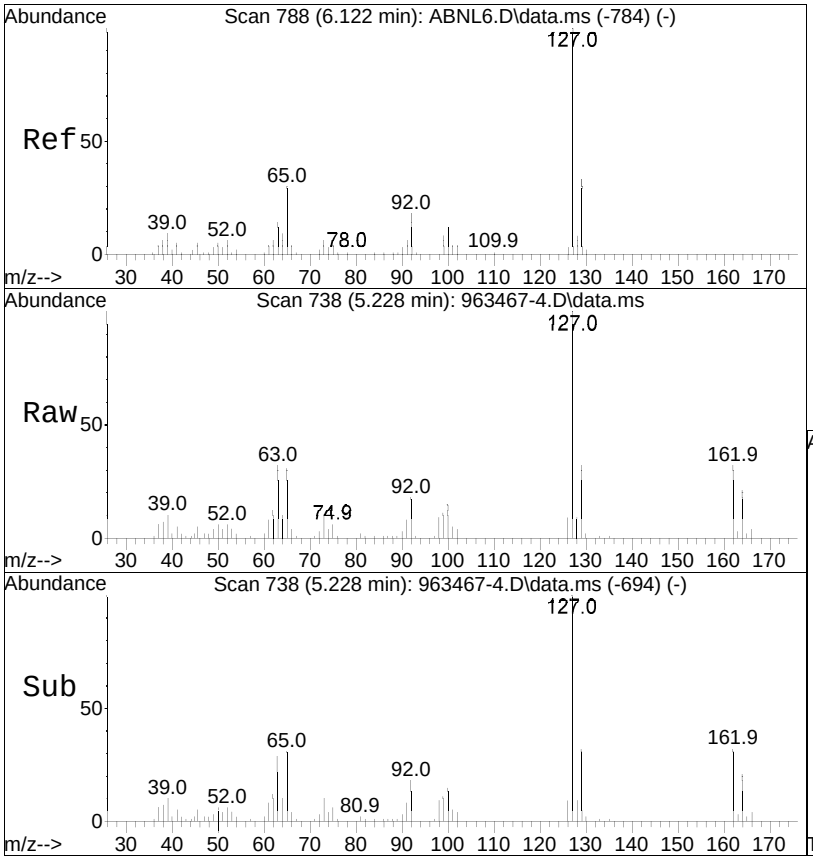


#29
Acetophenone
Concen: 1.53 ug/ml
RT: 4.293 min Scan# 579
Delta R.T. -0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:105 Resp: 13034

Ion	Ratio	Lower	Upper
105	100		
120	17.9	15.2	22.8
51	29.6	23.1	34.7

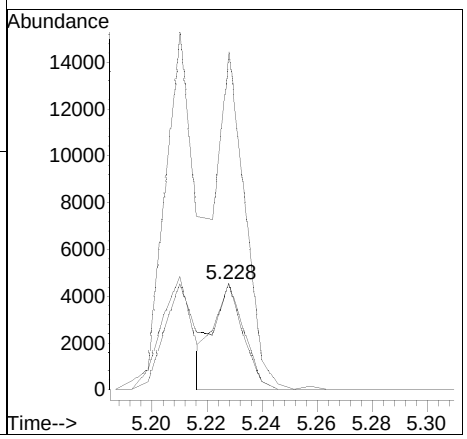


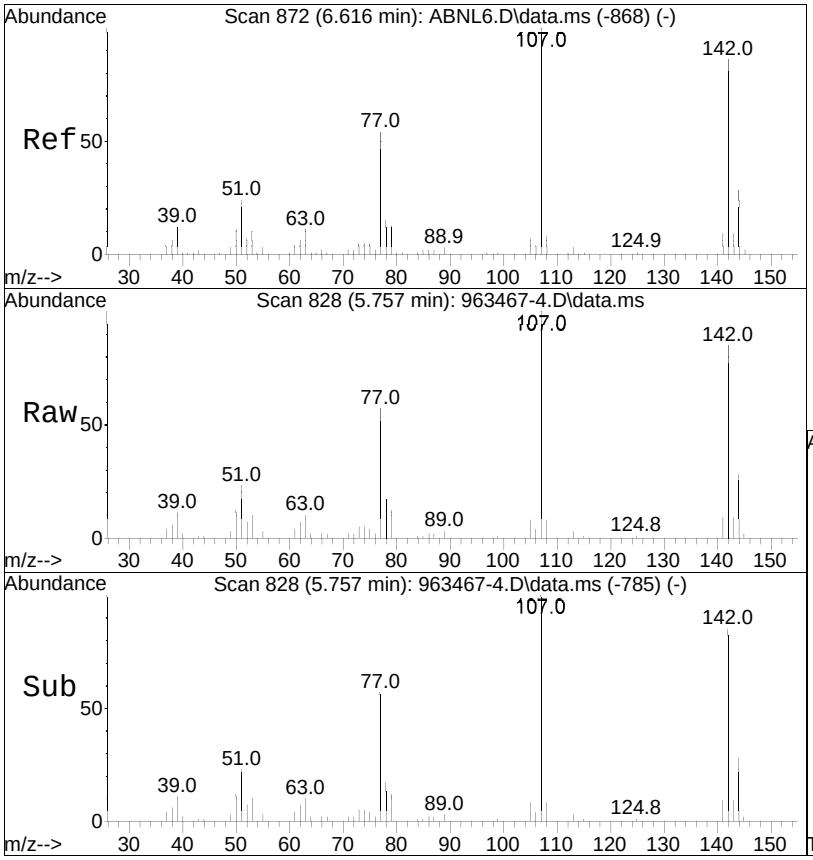


#38
4-Chloroaniline
Concen: 1.68 ug/ml M1
RT: 5.228 min Scan# 738
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 65 Resp: 3348

Ion	Ratio	Lower	Upper
65	100		
127	410.0	266.2	399.4#
129	129.0	85.0	127.4#

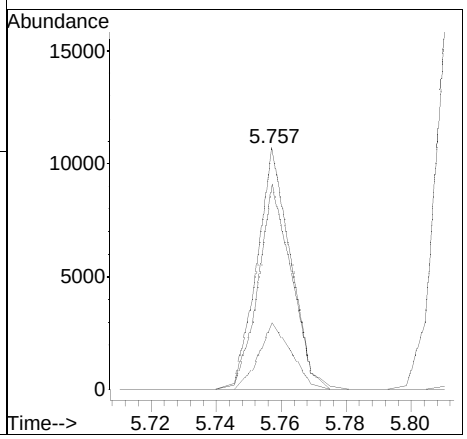


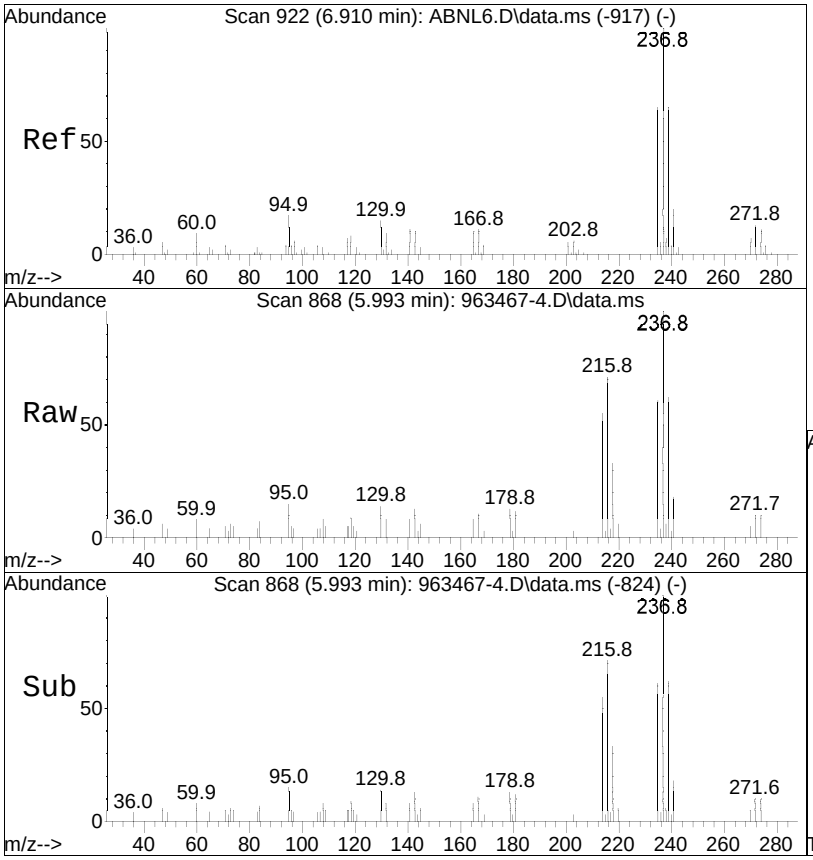


#40
p-Chloro-m-cresol
Concen: 1.65 ug/ml
RT: 5.757 min Scan# 828
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:107 Resp: 7687

Ion	Ratio	Lower	Upper
107	100		
144	26.7	20.3	30.5
142	84.4	63.8	95.6

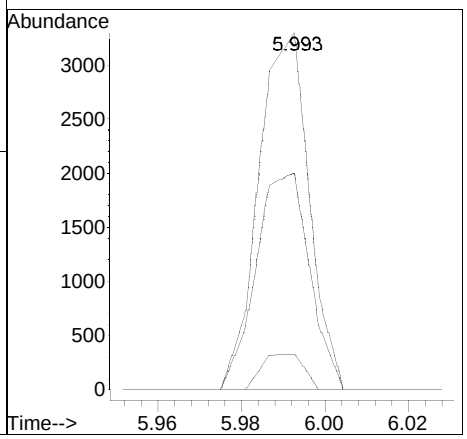


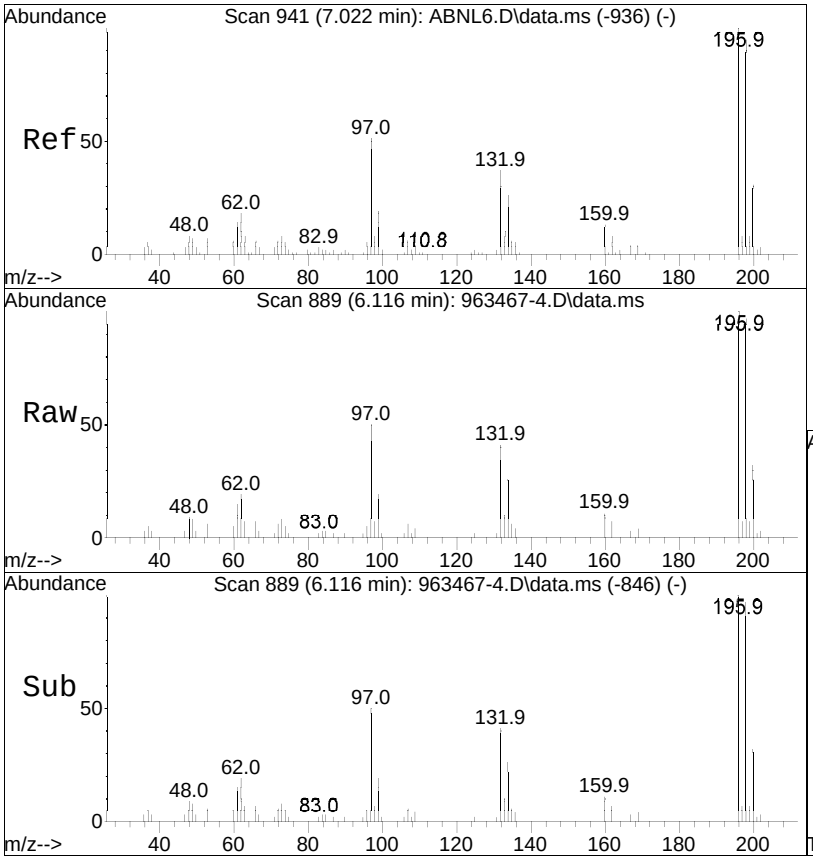


#43
Hexachlorocyclopentadiene
Concen: 0.65 ug/ml
RT: 5.993 min Scan# 868
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:237 Resp: 2751

Ion	Ratio	Lower	Upper
237	100		
235	64.6	50.9	76.3
272	0.0	10.1	15.1#

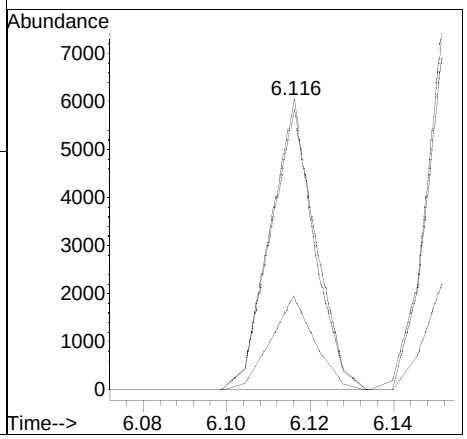


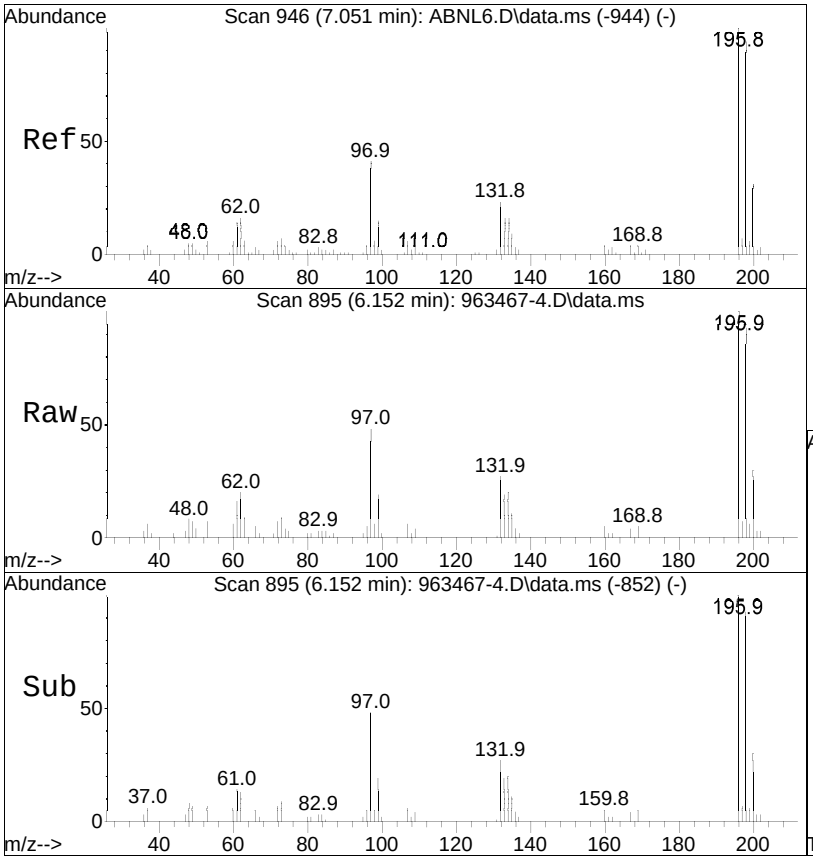


#44
2,4,6-Trichlorophenol
Concen: 1.02 ug/ml
RT: 6.116 min Scan# 889
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:196 Resp: 4425

Ion	Ratio	Lower	Upper
196	100		
198	100.2	76.4	114.6
200	32.1	24.4	36.6

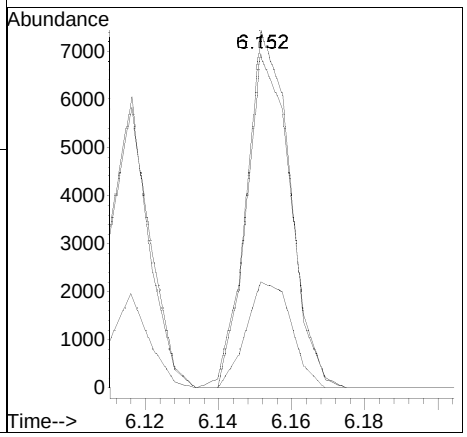


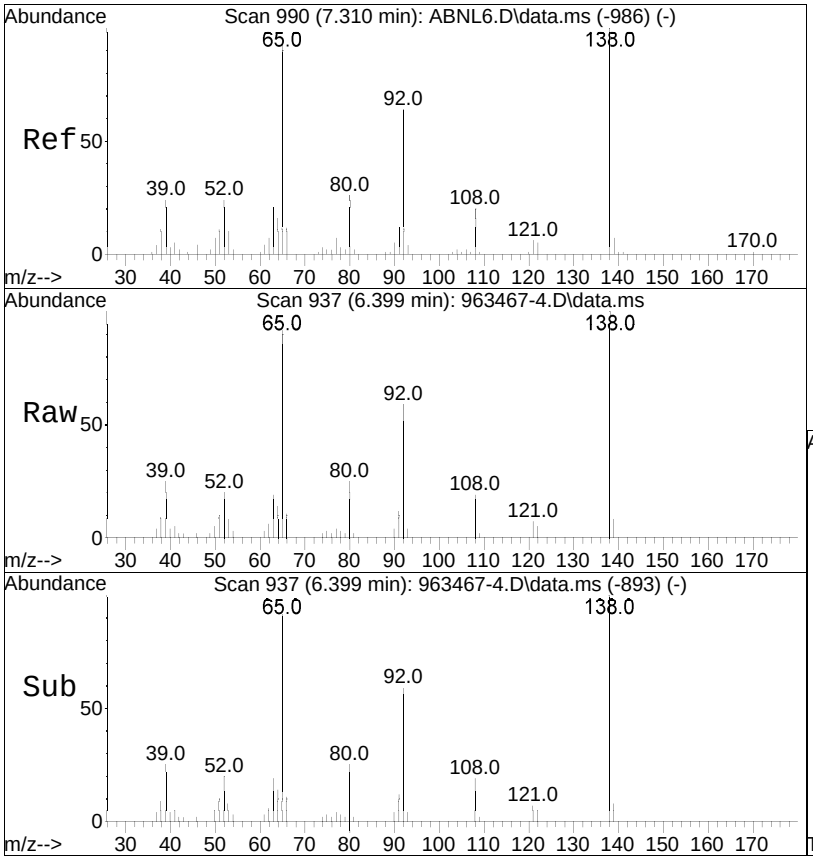


#45
2,4,5-Trichlorophenol
Concen: 1.39 ug/ml
RT: 6.152 min Scan# 895
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:196 Resp: 6170

Ion	Ratio	Lower	Upper
196	100		
200	30.6	24.2	36.4
198	94.1	76.2	114.2

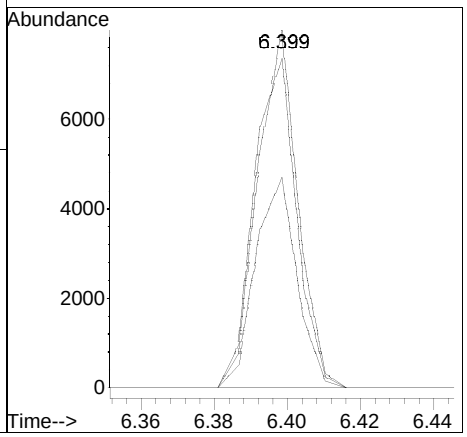


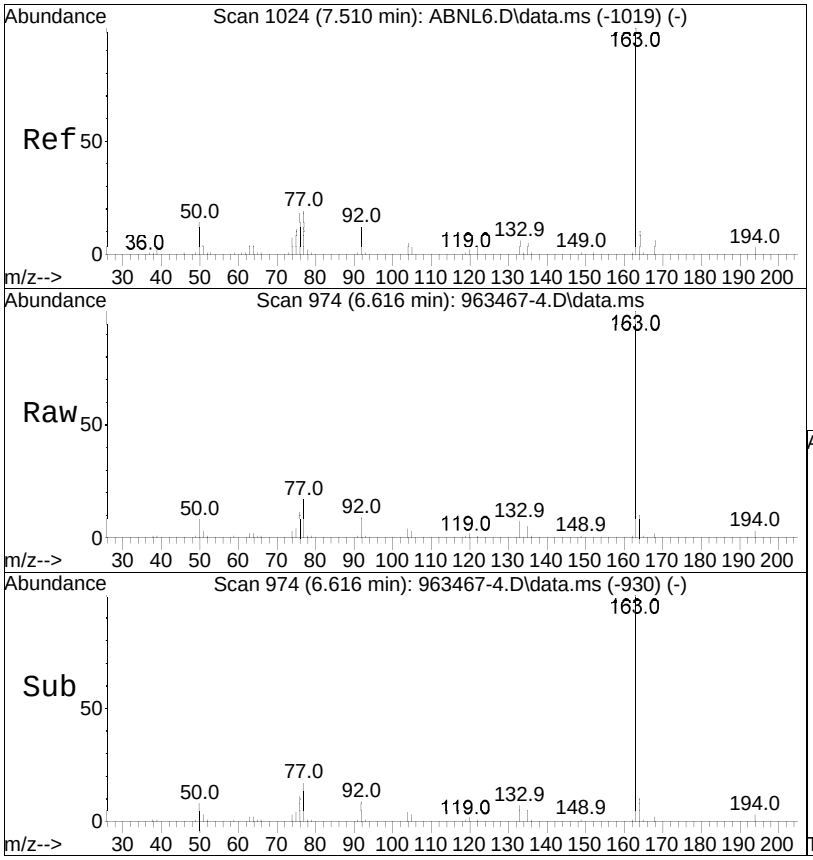


#48
2-Nitroaniline
Concen: 1.80 ug/ml
RT: 6.399 min Scan# 937
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:138 Resp: 6085

Ion	Ratio	Lower	Upper
138	100		
92	60.5	52.1	78.1
65	96.9	75.9	113.9

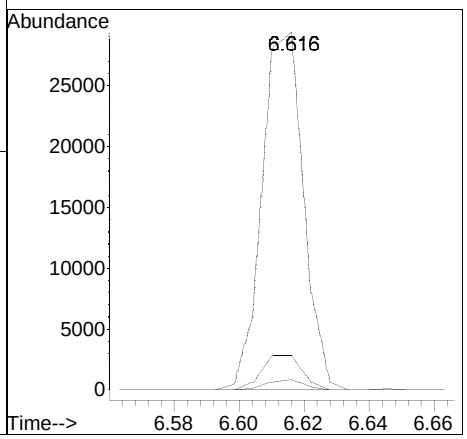


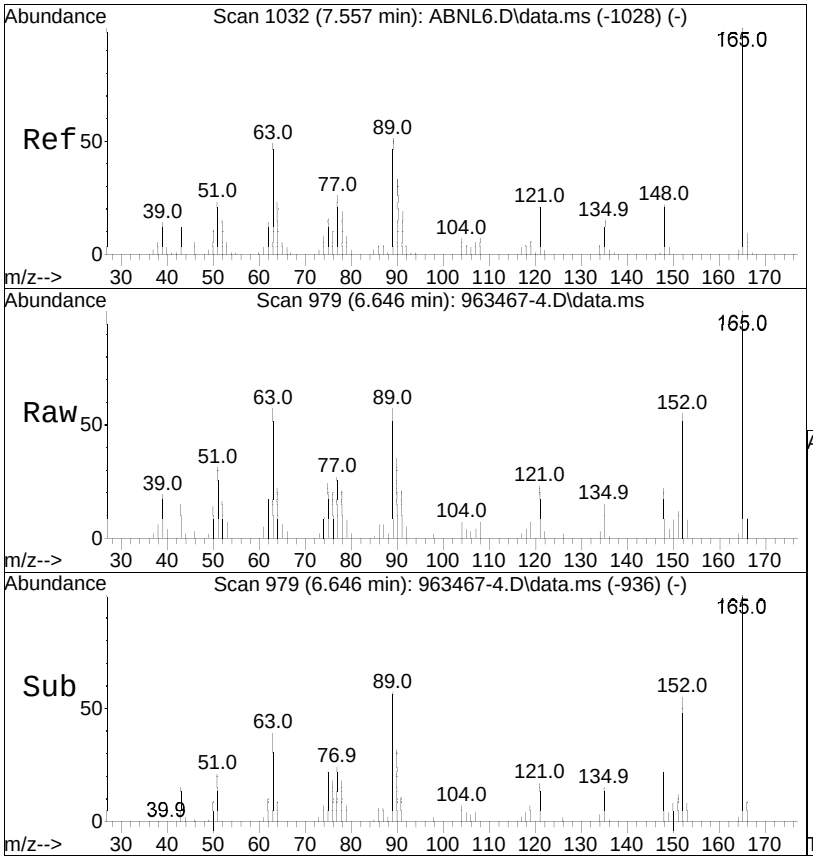


#51
Dimethyl phthalate
Concen: 1.65 ug/ml
RT: 6.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:163 Resp: 25699

Ion	Ratio	Lower	Upper
163	100		
194	2.6	2.3	3.5
164	9.6	8.2	12.2

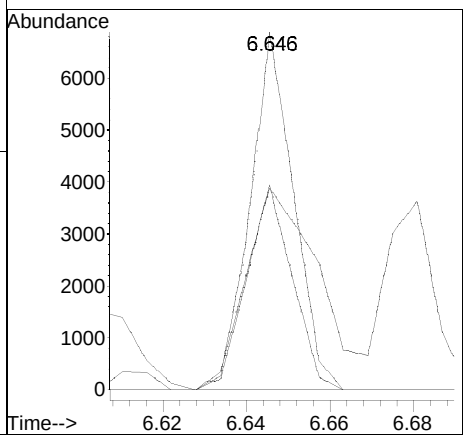


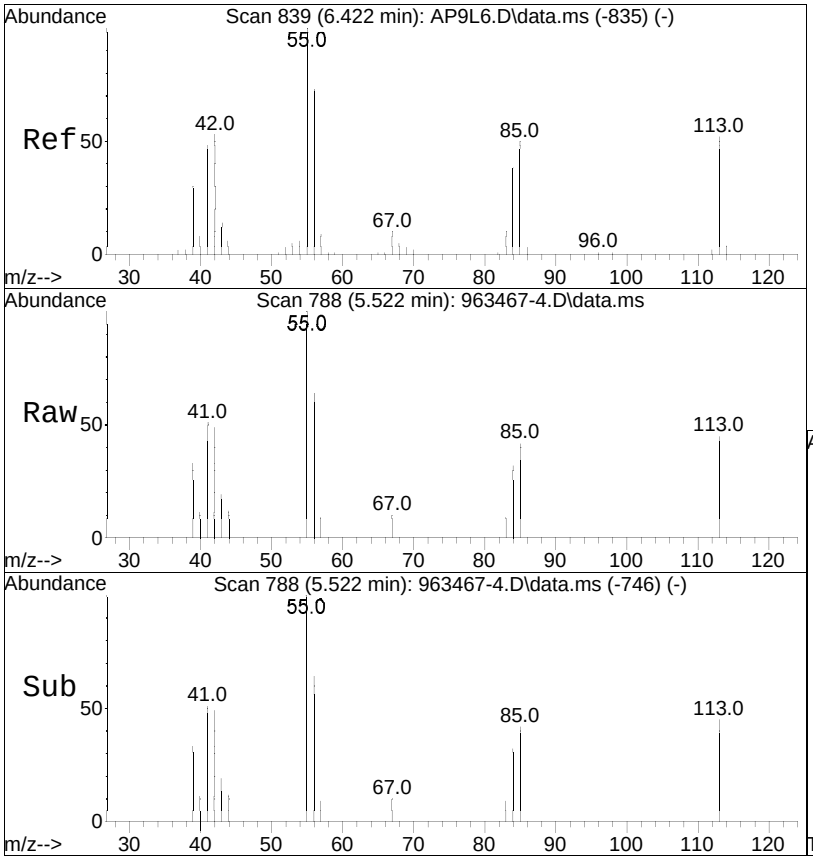


#53
2,6-Dinitrotoluene
Concen: 1.71 ug/ml
RT: 6.646 min Scan# 979
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:165 Resp: 4976

Ion	Ratio	Lower	Upper
165	100		
89	59.9	48.8	73.2
63	95.3	50.5	75.7#

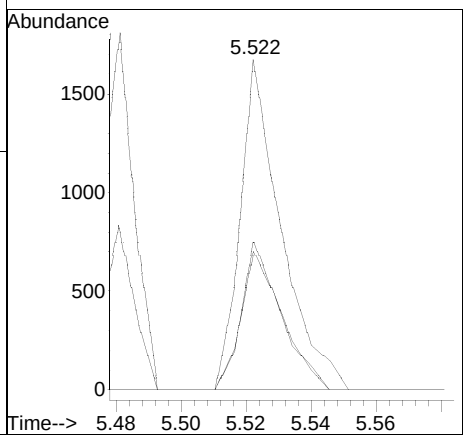


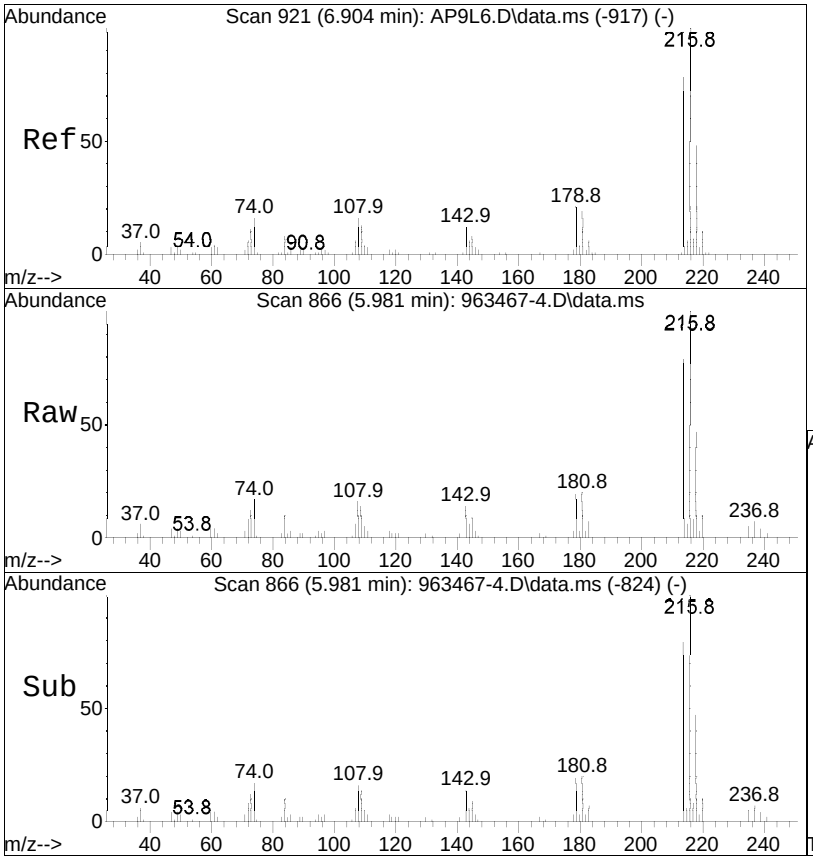


#60
Caprolactam
Concen: 0.94 ug/ml
RT: 5.522 min Scan# 788
Delta R.T. -0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 55 Resp: 1463

Ion	Ratio	Lower	Upper
55	100		
85	42.4	35.2	52.8
113	43.5	36.6	55.0

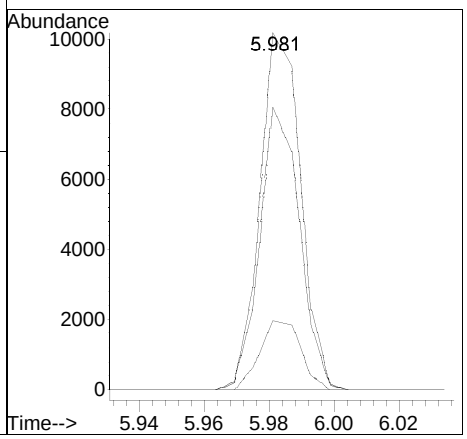


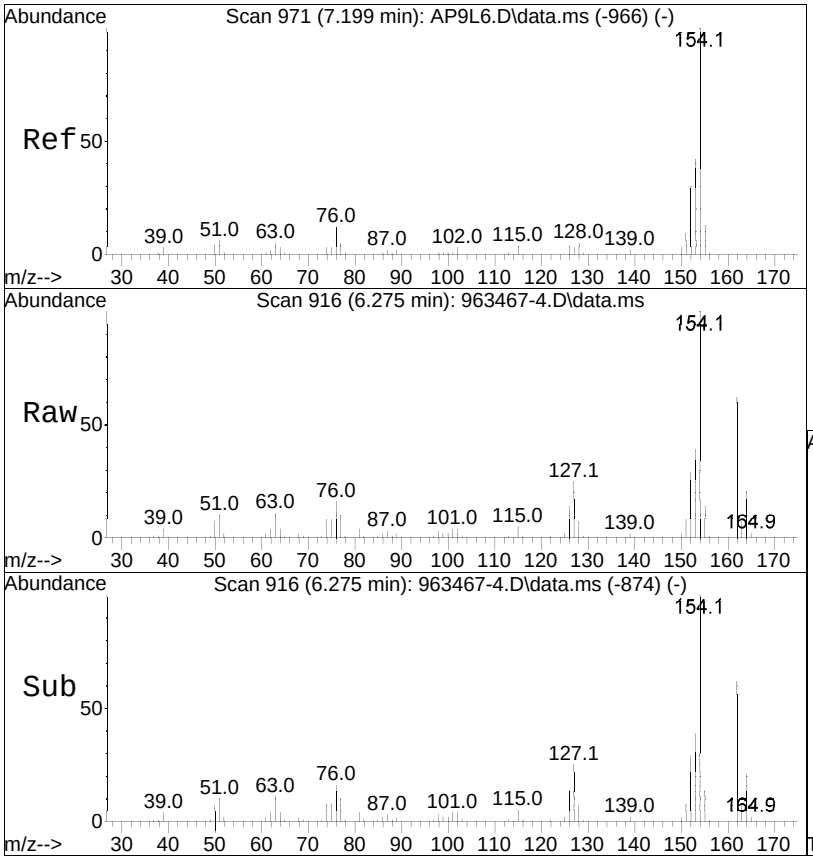


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.09 ug/ml
RT: 5.981 min Scan# 866
Delta R.T. -0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:216 Resp: 8840

Ion	Ratio	Lower	Upper
216	100		
214	77.7	64.0	96.0
179	19.6	18.7	28.1

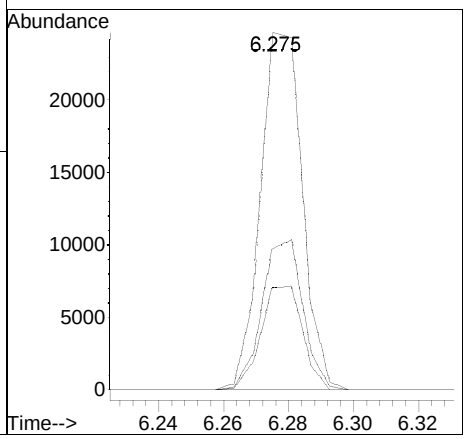


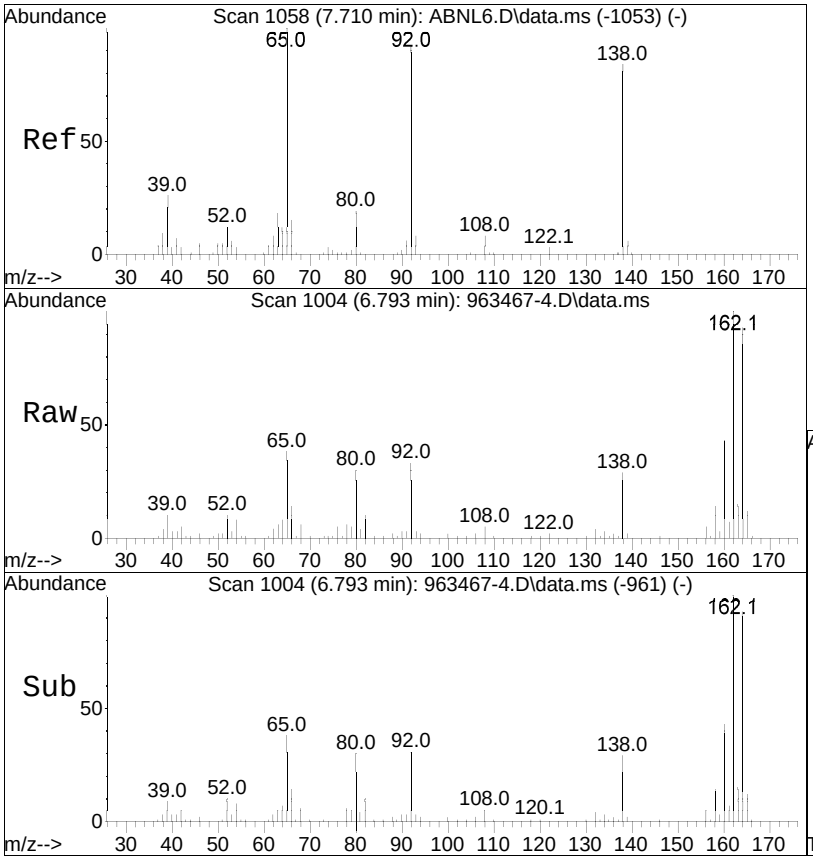


#62
Biphenyl
Concen: 1.27 ug/ml
RT: 6.275 min Scan# 916
Delta R.T. -0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:154 Resp: 21937

Ion	Ratio	Lower	Upper
154	100		
153	41.4	32.5	48.7
152	29.1	22.6	34.0

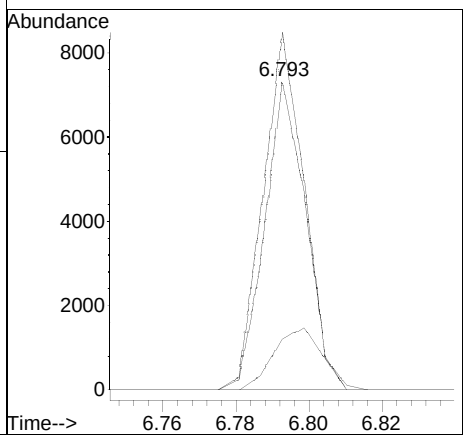


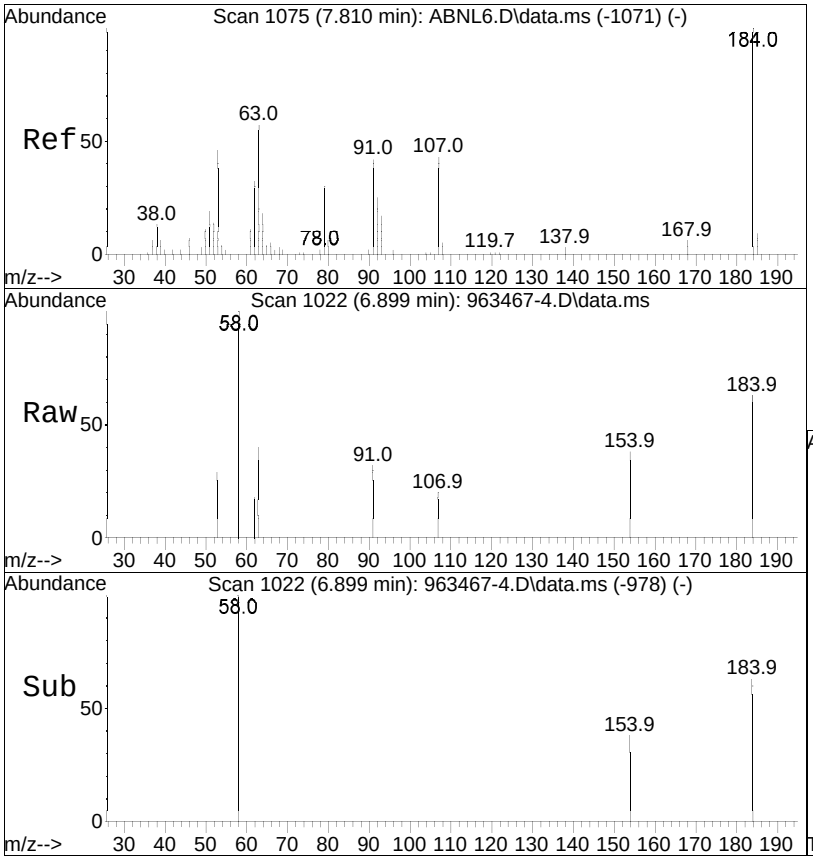


#64
3-Nitroaniline
Concen: 1.77 ug/ml
RT: 6.793 min Scan# 1004
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:138 Resp: 5647

Ion	Ratio	Lower	Upper
138	100		
92	117.0	92.8	139.2
108	23.4	7.9	11.9#

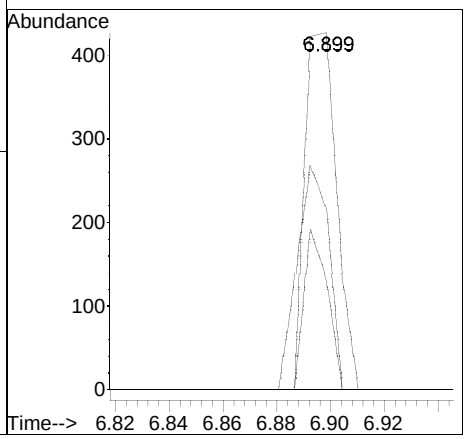


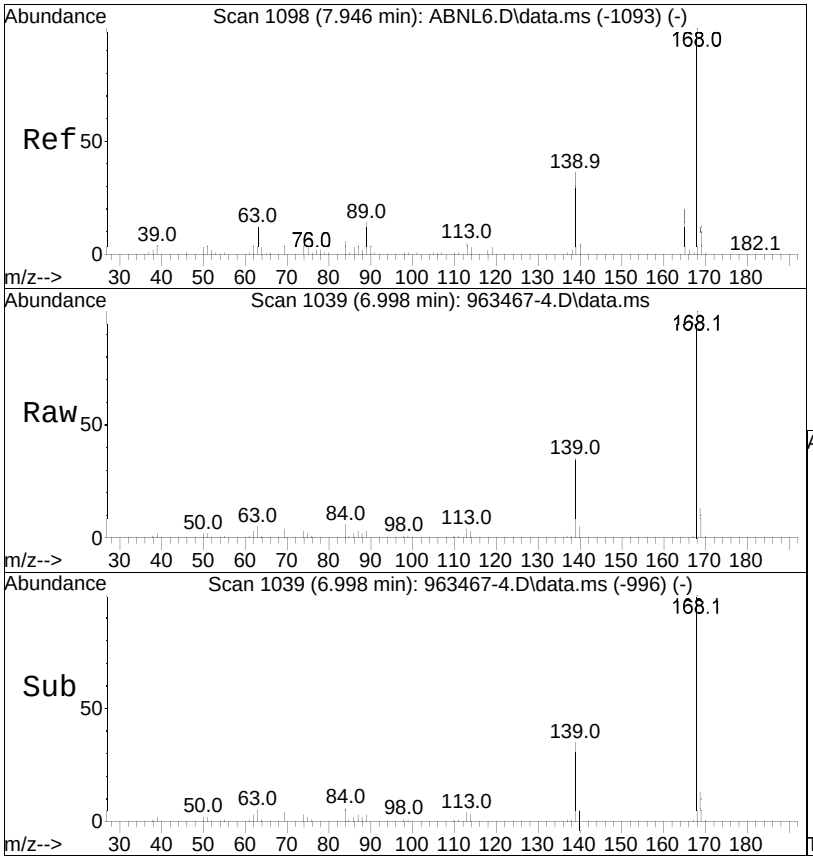


#66
2,4-Dinitrophenol
Concen: 0.57 ug/ml M2
RT: 6.899 min Scan# 1022
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:184 Resp: 348

Ion	Ratio	Lower	Upper
184	100		
107	0.0	41.8	62.6#
91	0.0	44.2	66.2#

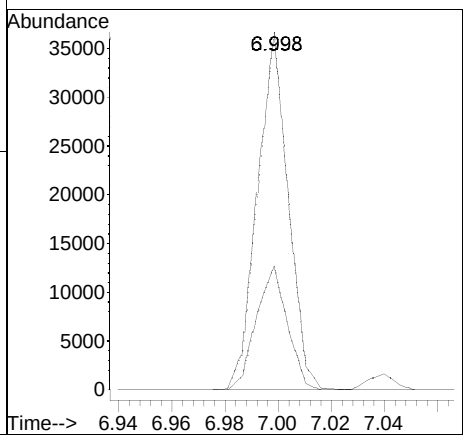


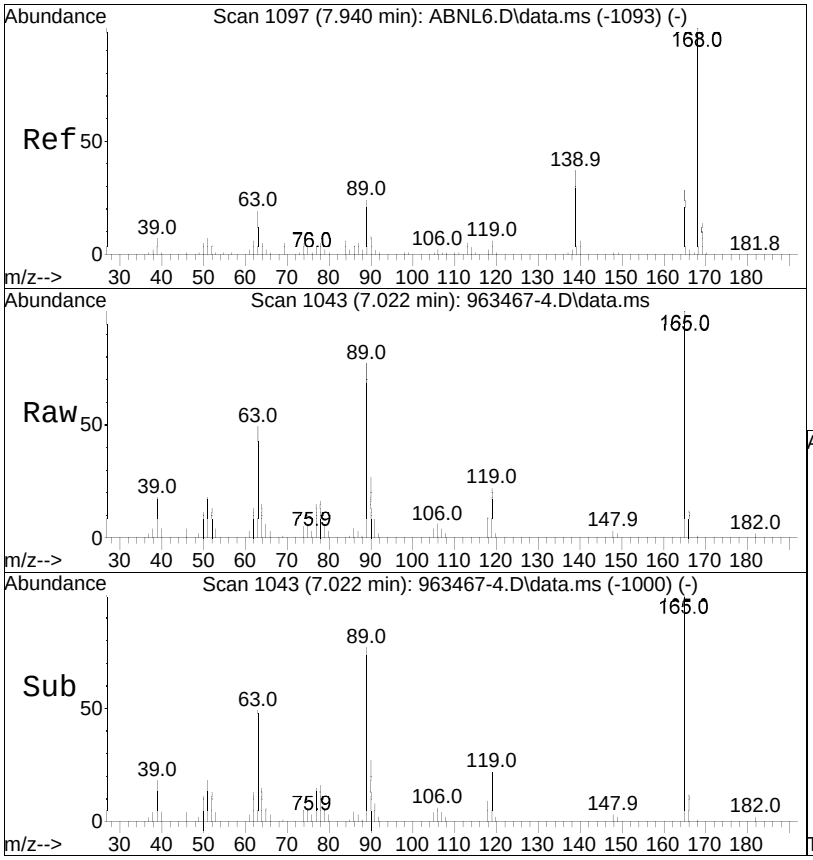


#67
Dibenzofuran
Concen: 1.48 ug/ml
RT: 6.998 min Scan# 1039
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:168 Resp: 29074

Ion	Ratio	Lower	Upper
168	100		
139	35.0	32.3	48.5

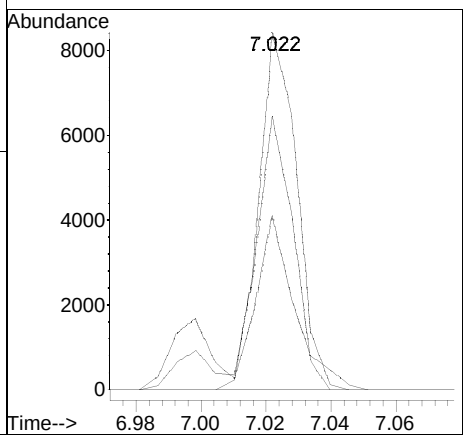


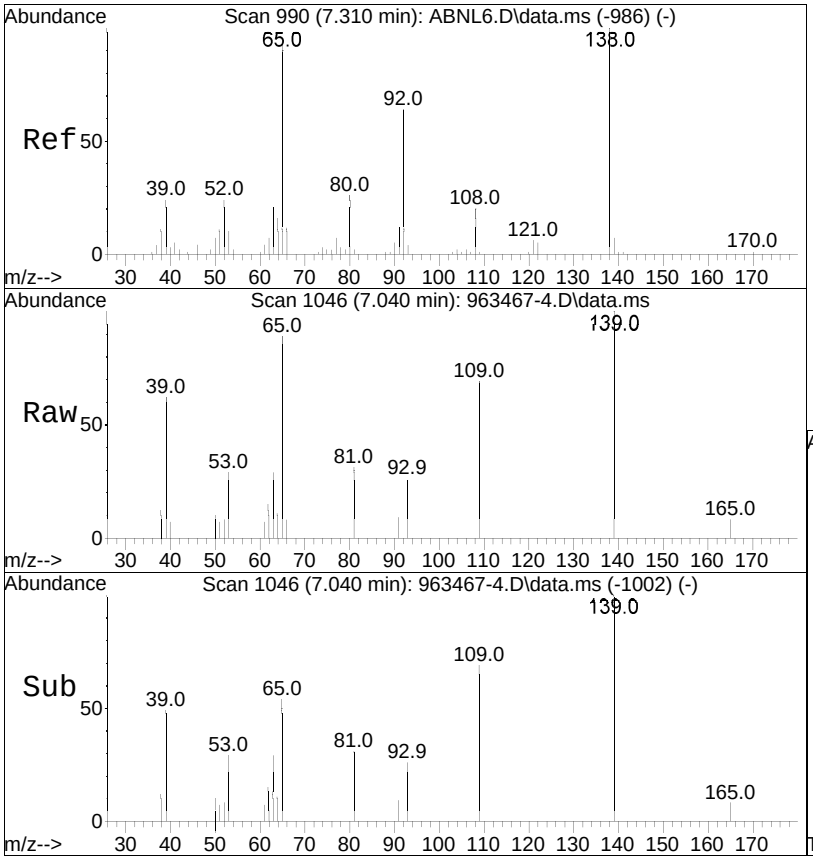


#68
2,4-Dinitrotoluene
Concen: 1.67 ug/ml
RT: 7.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:165 Resp: 6844

Ion	Ratio	Lower	Upper
165	100		
89	84.3	73.0	109.4
63	48.6	56.3	84.5#

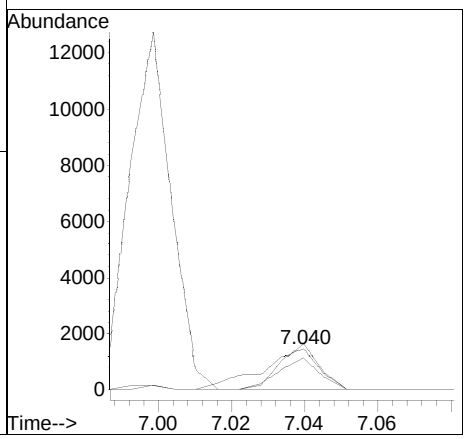


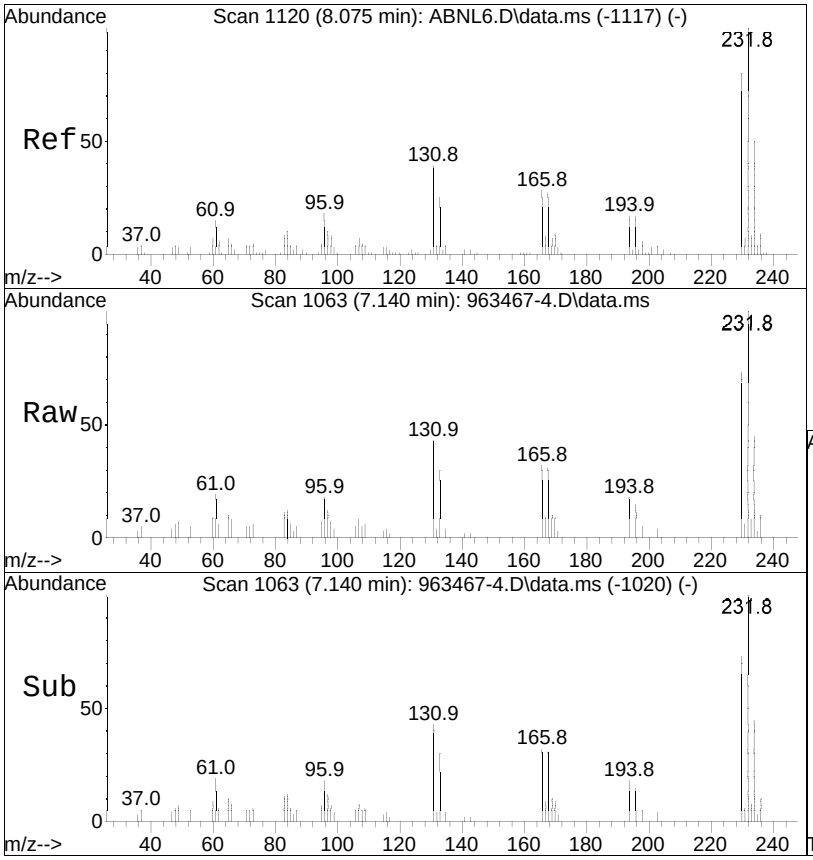


#69
4-Nitrophenol
Concen: 0.51 ug/ml
RT: 7.040 min Scan# 1046
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion: 65 Resp: 1565

Ion	Ratio	Lower	Upper
65	100		
109	55.5	60.2	90.2#
139	76.4	81.1	121.7#

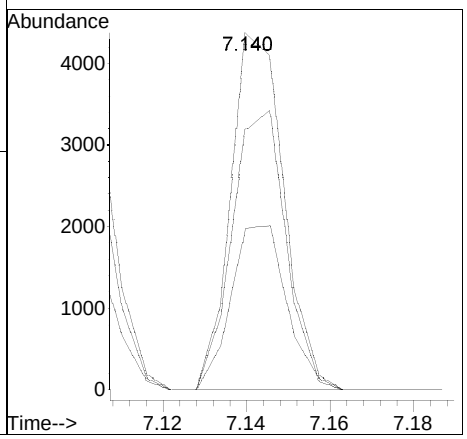


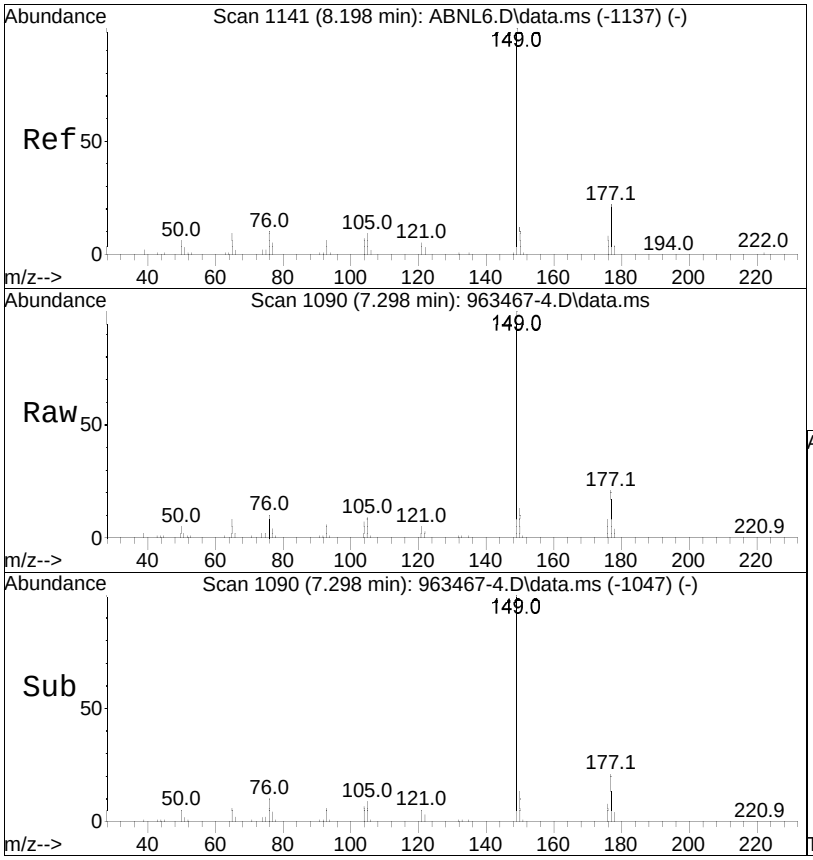


#71
2,3,4,6-Tetrachlorophenol
Concen: 0.98 ug/ml
RT: 7.140 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:232 Resp: 3853

Ion	Ratio	Lower	Upper
232	100		
230	79.2	63.8	95.8
234	48.7	39.0	58.6

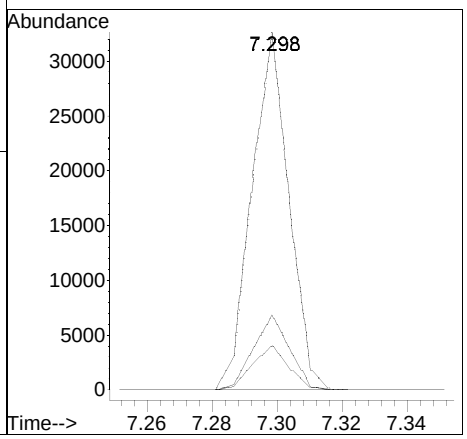


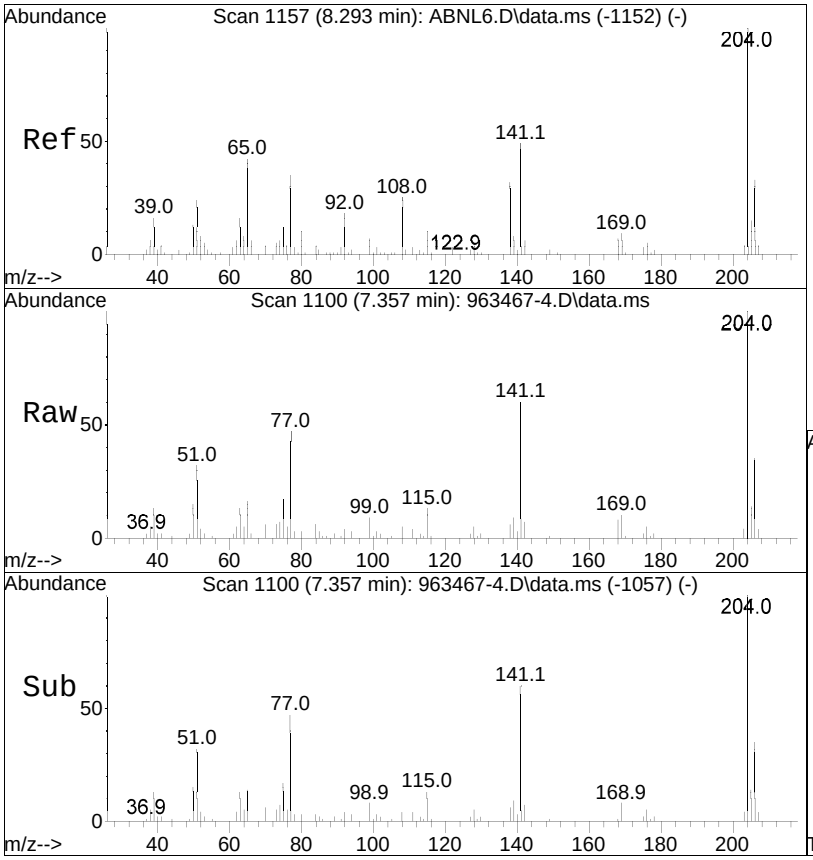


#72
Diethyl phthalate
Concen: 1.61 ug/ml
RT: 7.298 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:149 Resp: 25502

Ion	Ratio	Lower	Upper
149	100		
177	20.7	15.0	22.6
150	12.5	9.8	14.6

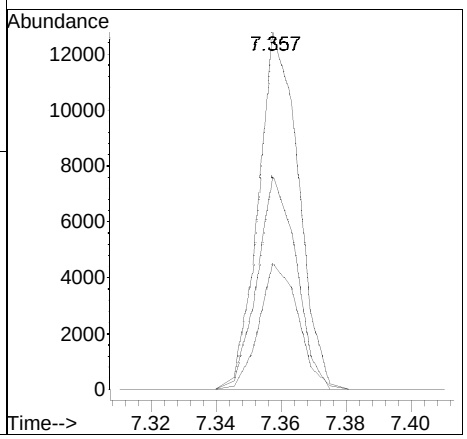


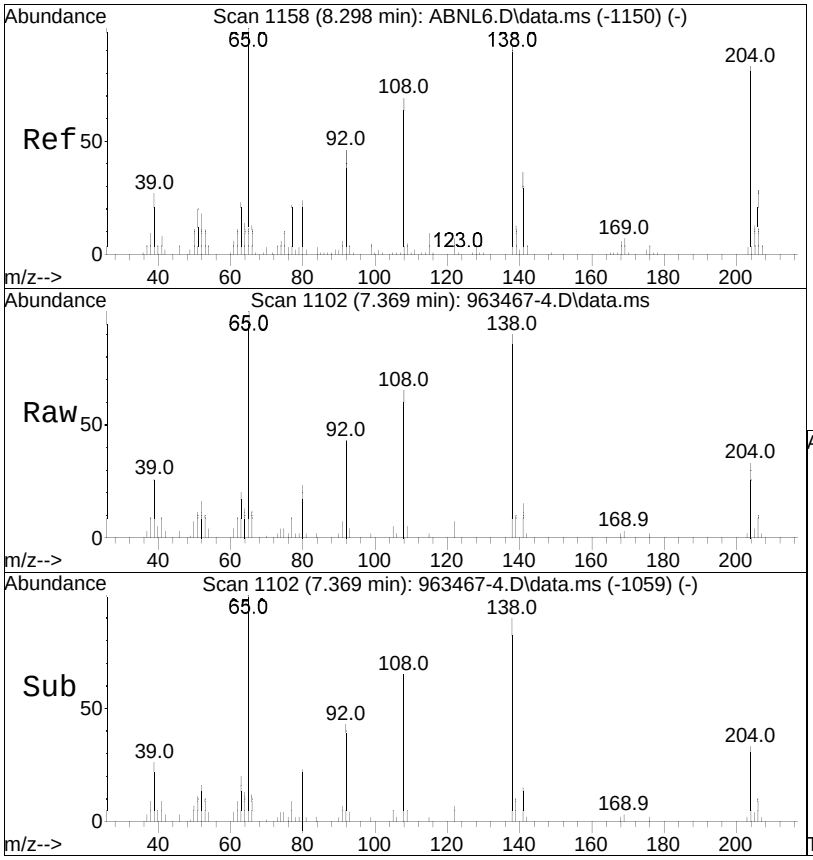


#74
4-Chlorophenyl phenyl ether
Concen: 1.30 ug/ml
RT: 7.357 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:204 Resp: 10837

Ion	Ratio	Lower	Upper
204	100		
206	34.7	26.3	39.5
141	57.8	58.4	87.6#

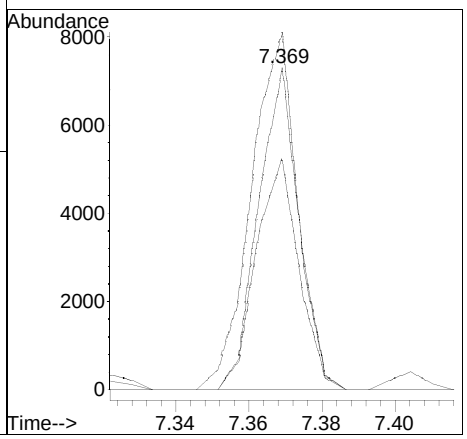


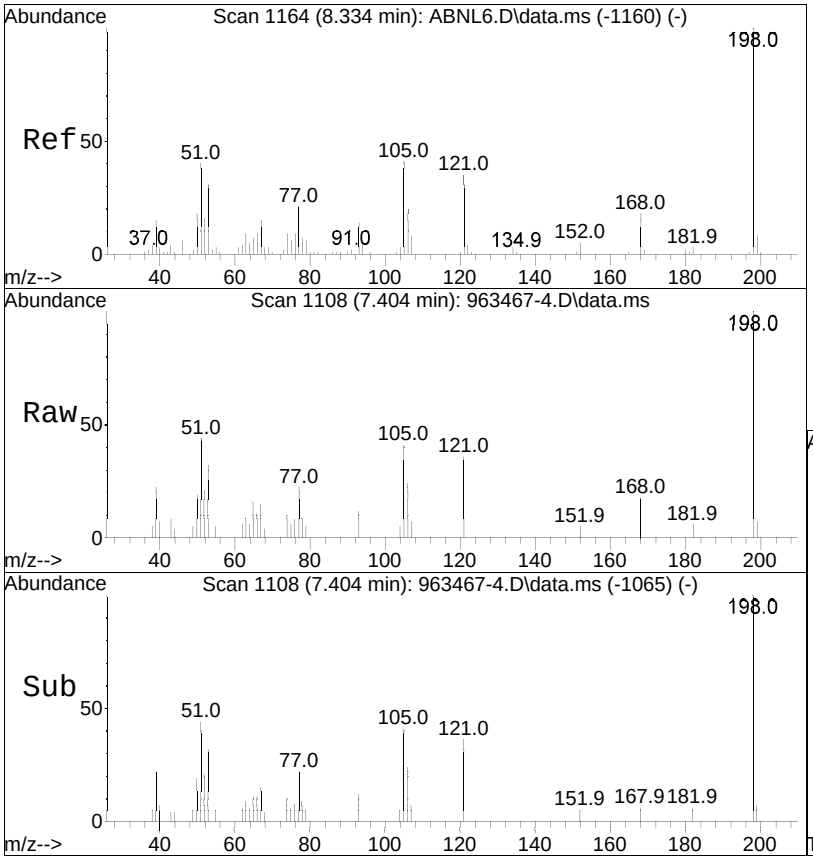


#75
4-Nitroaniline
Concen: 1.67 ug/ml
RT: 7.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:138 Resp: 5593

Ion	Ratio	Lower	Upper
138	100		
108	75.7	59.2	88.8
65	126.2	97.6	146.4

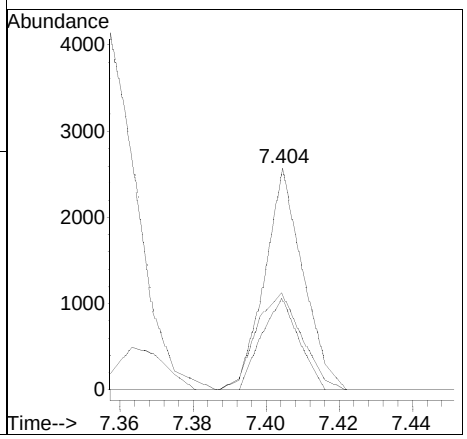


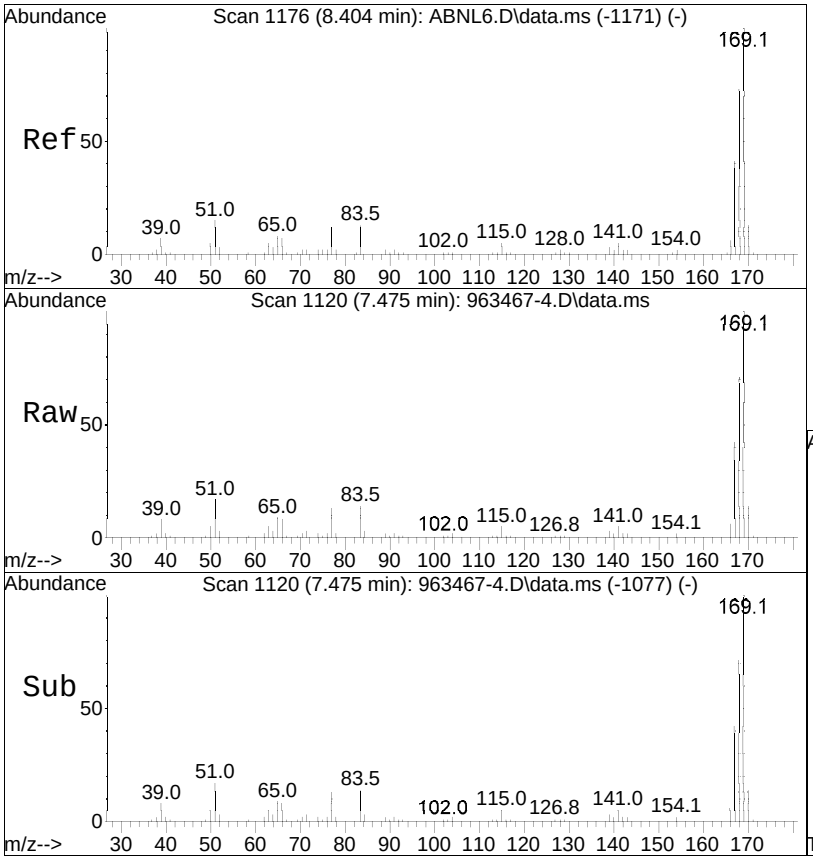


#76
4,6-Dinitro-o-cresol
Concen: 0.92 ug/ml
RT: 7.404 min Scan# 1108
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:198 Resp: 1878

Ion	Ratio	Lower	Upper
198	100		
51	52.3	49.9	74.9
105	40.4	45.8	68.6#

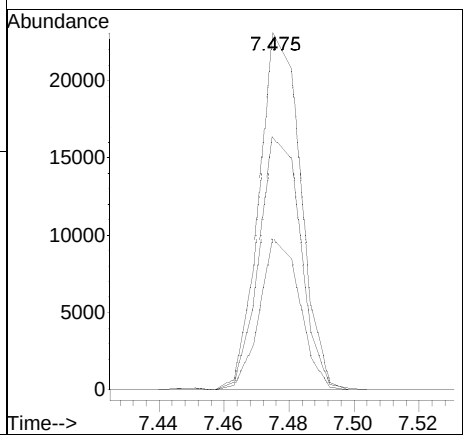


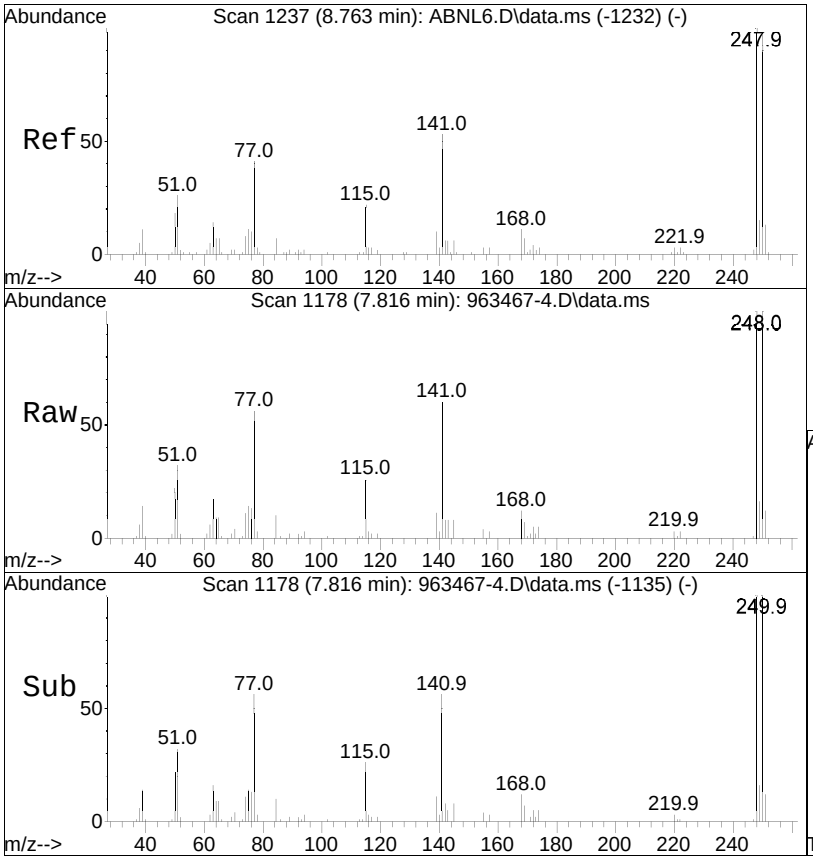


#77
NDPA/DPA
Concen: 1.56 ug/ml
RT: 7.475 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:169 Resp: 20487

Ion	Ratio	Lower	Upper
169	100		
168	71.5	55.2	82.8
167	41.3	30.4	45.6

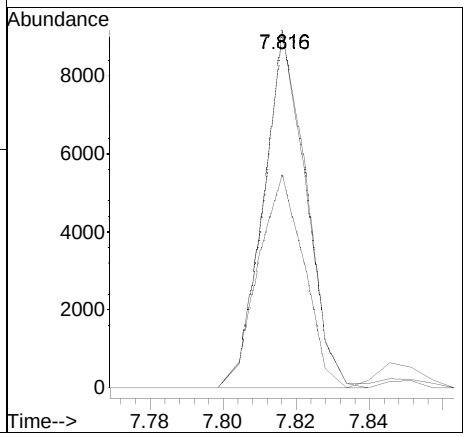


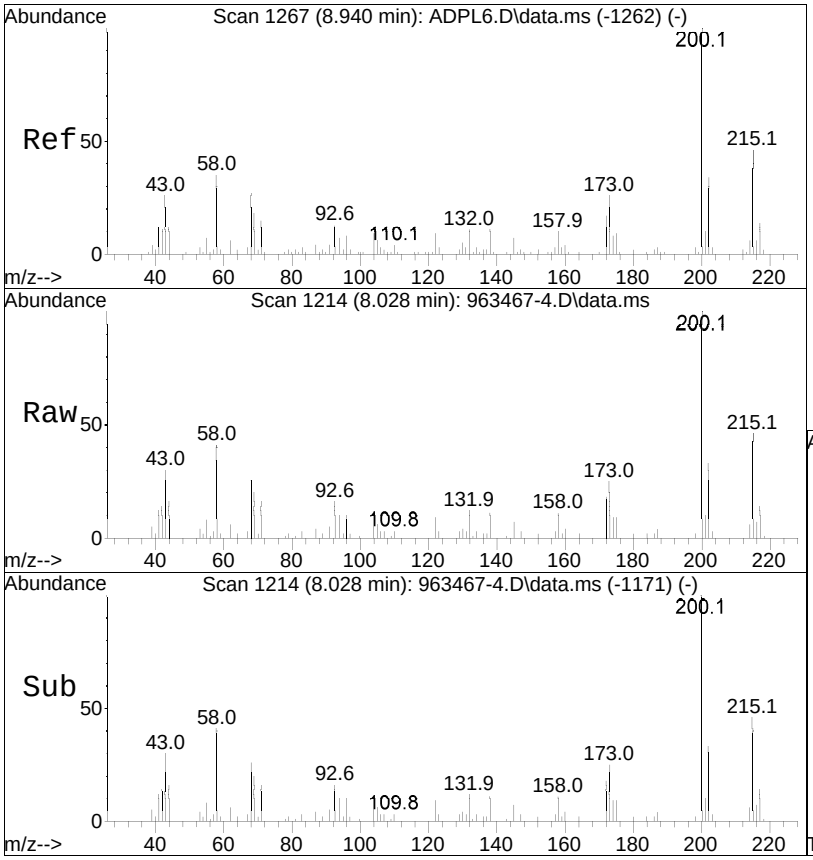


#80
4-Bromophenyl phenyl ether
Concen: 1.37 ug/ml
RT: 7.816 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:248 Resp: 7309

Ion	Ratio	Lower	Upper
248	100		
141	64.5	74.6	111.8#
250	101.4	76.9	115.3

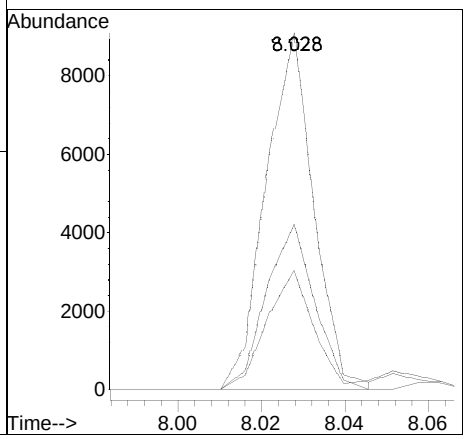


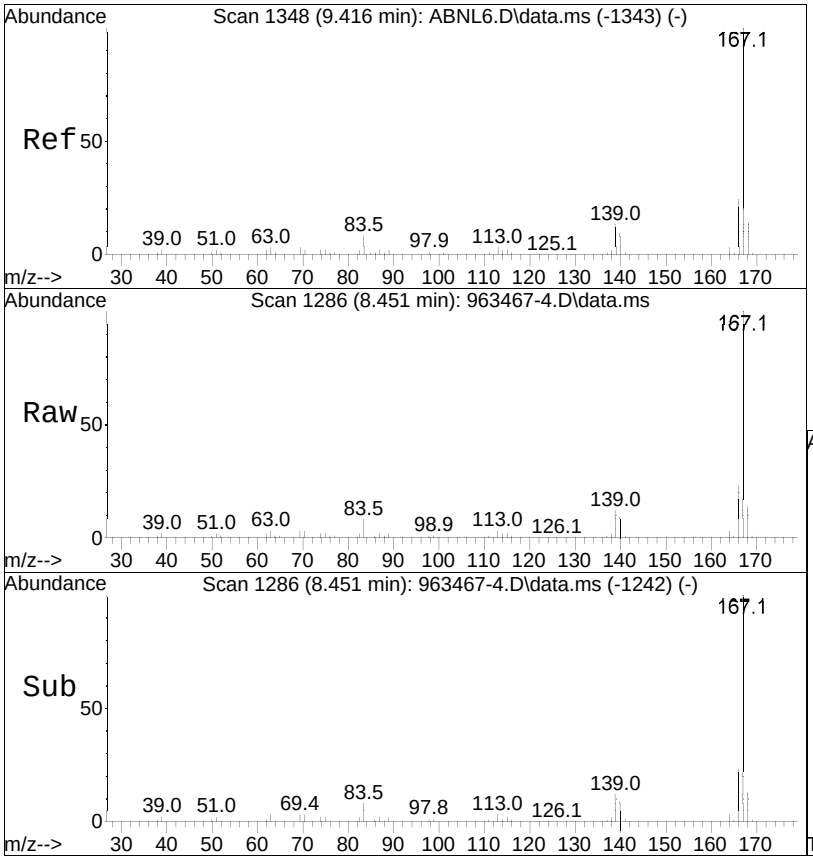


#87
Atrazine
Concen: 1.52 ug/ml
RT: 8.028 min Scan# 1214
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:200 Resp: 7175

Ion	Ratio	Lower	Upper
200	100		
202	34.0	25.0	37.6
215	47.1	34.5	51.7

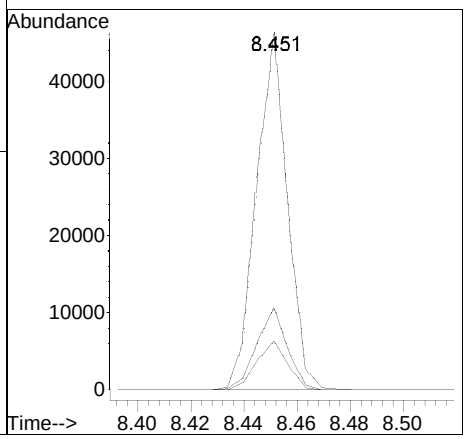


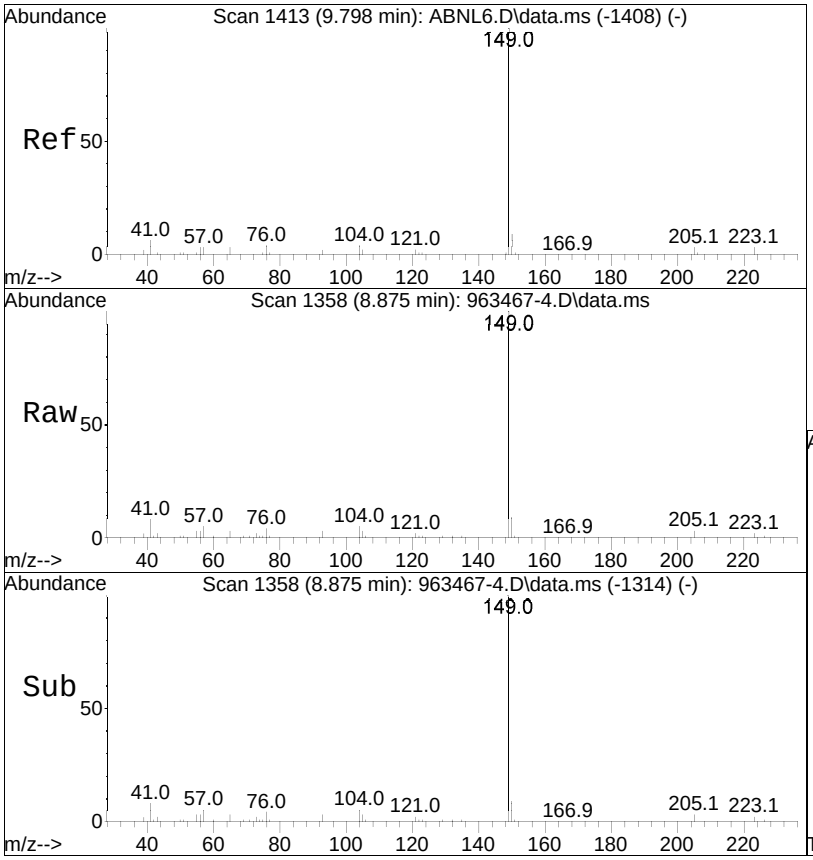


#91
Carbazole
Concen: 1.80 ug/ml
RT: 8.451 min Scan# 1286
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:167 Resp: 37031

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.8	16.2
166	22.9	17.7	26.5

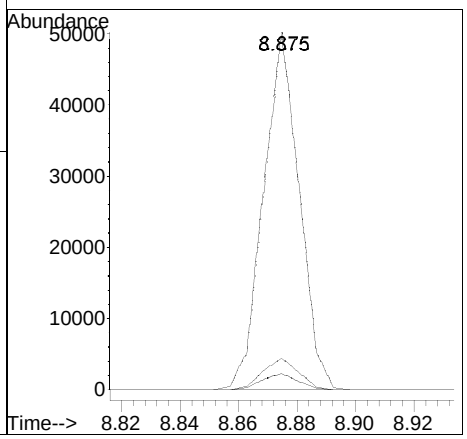


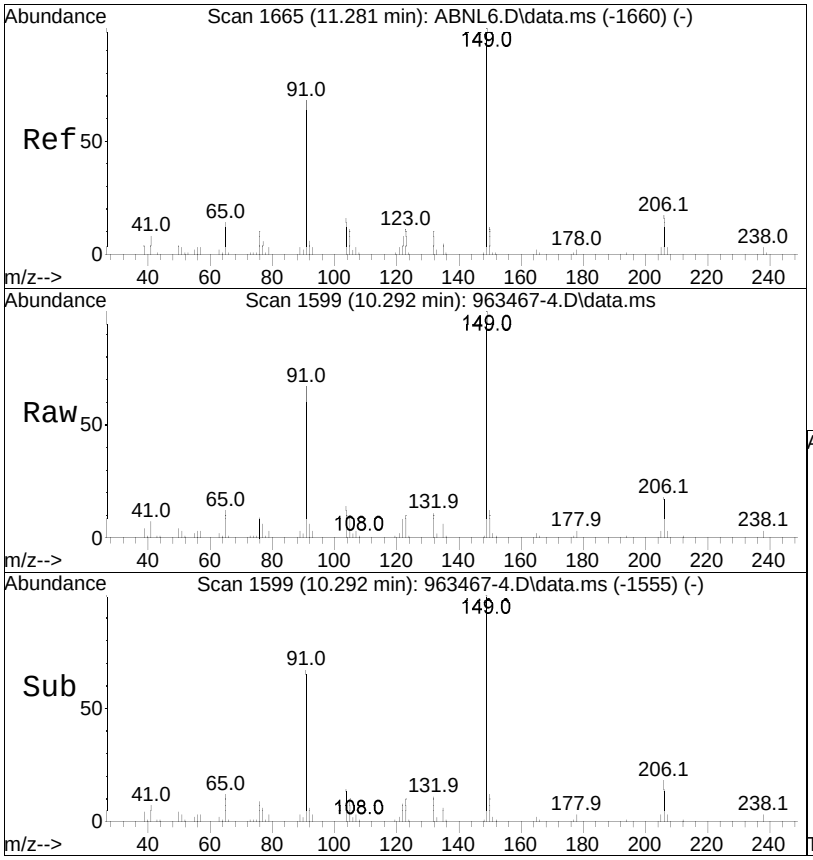


#92
Di-n-butylphthalate
Concen: 1.87 ug/ml
RT: 8.875 min Scan# 1358
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:149 Resp: 41935

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.3	10.9
104	4.7	4.0	6.0

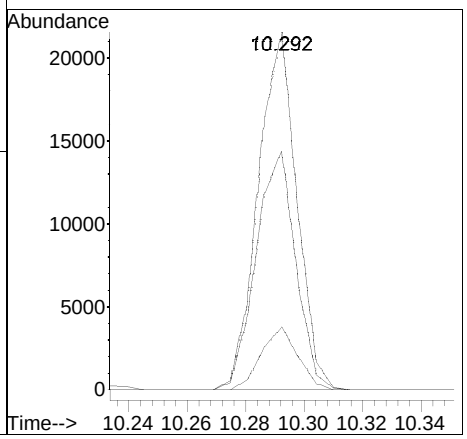


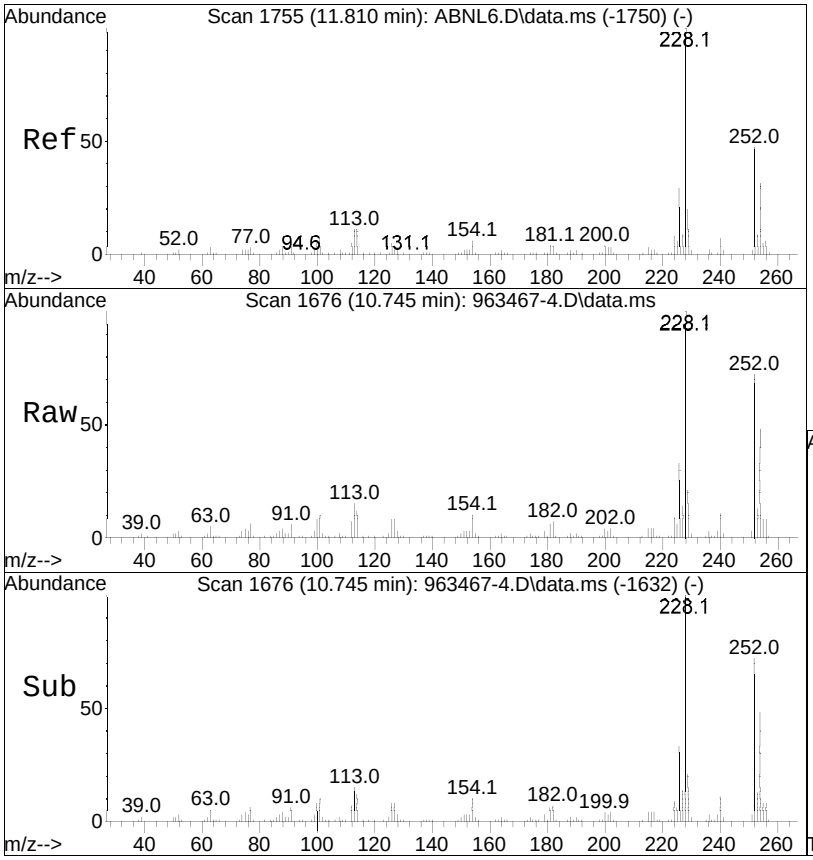


#97
Butyl benzyl phthalate
Concen: 1.97 ug/ml
RT: 10.292 min Scan# 1599
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:149 Resp: 19553

Ion	Ratio	Lower	Upper
149	100		
91	68.5	57.9	86.9
206	16.7	11.9	17.9

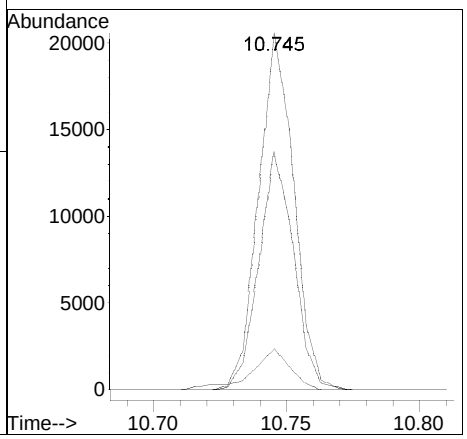


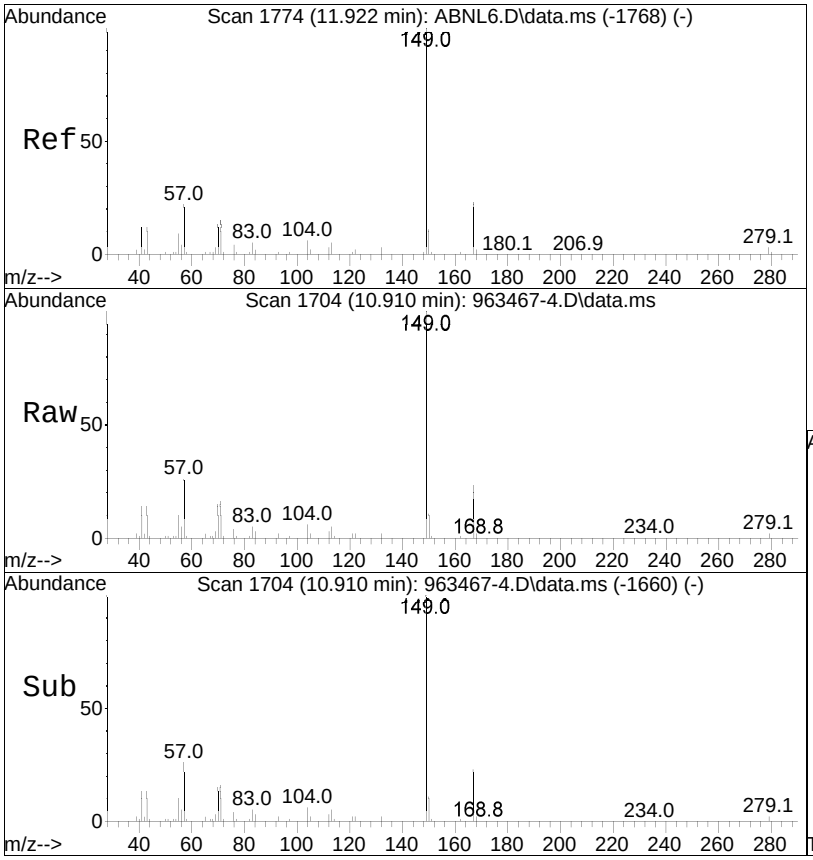


#106
3,3'-Dichlorobenzidine
Concen: 1.65 ug/ml
RT: 10.745 min Scan# 1676
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:252 Resp: 18780

Ion	Ratio	Lower	Upper
252	100		
126	12.8	12.6	19.0
254	66.2	51.1	76.7

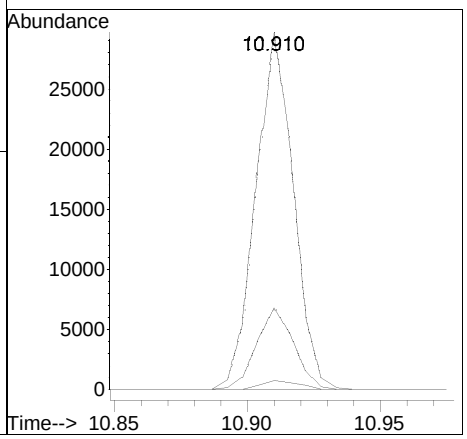


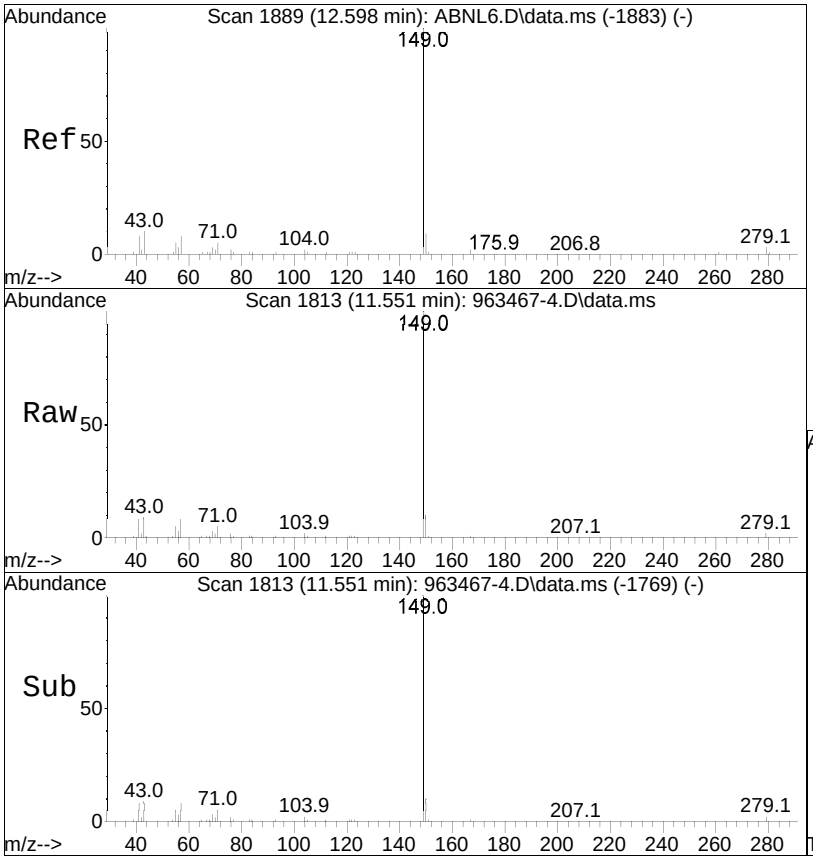


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.86 ug/ml
RT: 10.910 min Scan# 1704
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:149 Resp: 28892

Ion	Ratio	Lower	Upper
149	100		
167	22.7	18.4	27.6
279	2.3	1.7	2.5

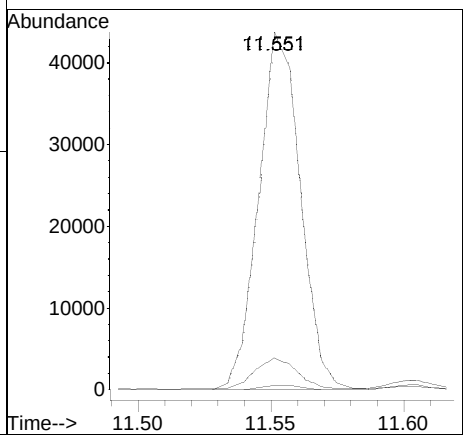




#109
Di-n-octylphthalate
Concen: 1.99 ug/ml
RT: 11.551 min Scan# 1813
Delta R.T. 0.006 min
Lab File: 963467-4.D
Acq: 26 Aug 2024 06:33 pm

Tgt Ion:149 Resp: 47316

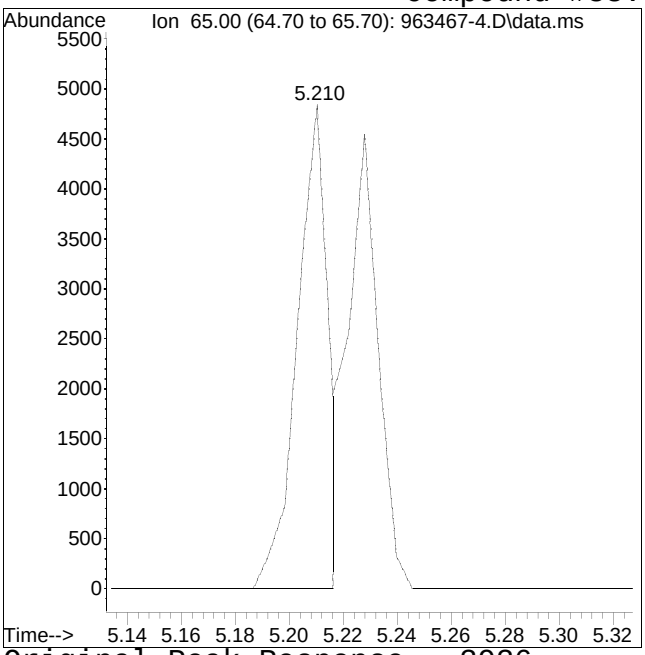
Ion	Ratio	Lower	Upper
149	100		
43	8.8	8.2	12.2
167	1.2	1.1	1.7



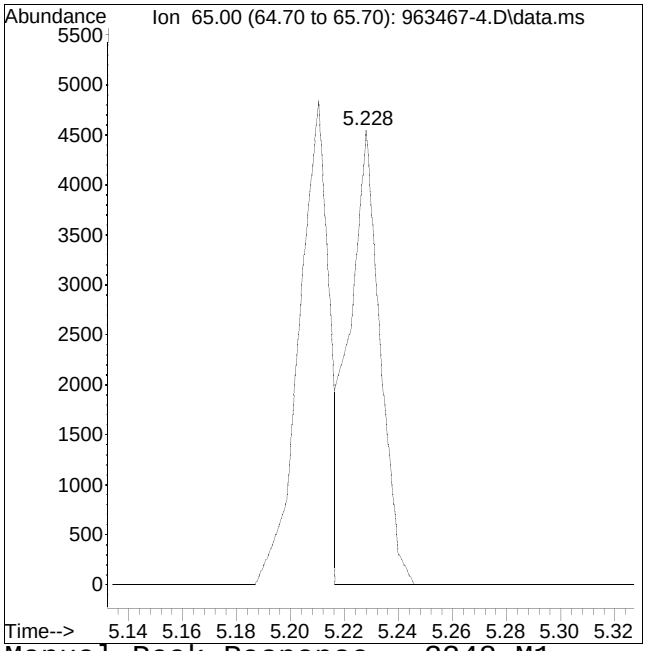
Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 963467-4.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 6:33 pm	Instrument	: SV112
Sample	: WG1963467-4,32,,HNY	Quant Date	: 8/26/2024 6:51 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 3936



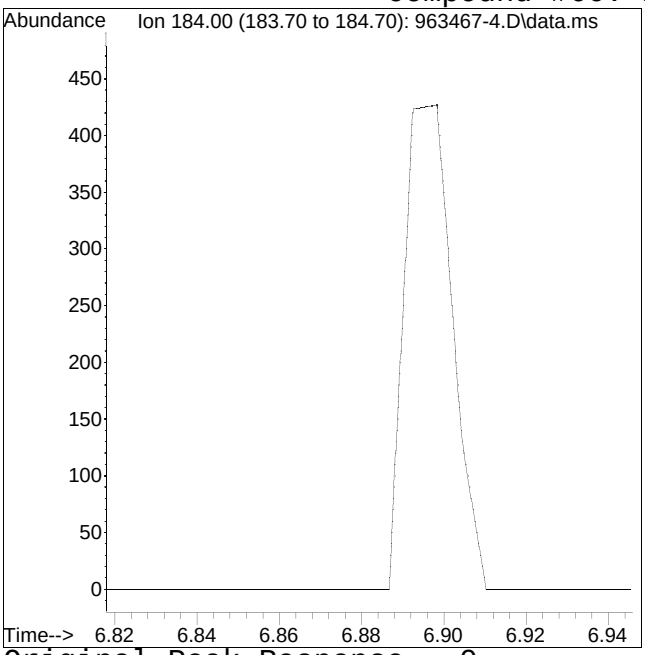
Manual Peak Response = 3348 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

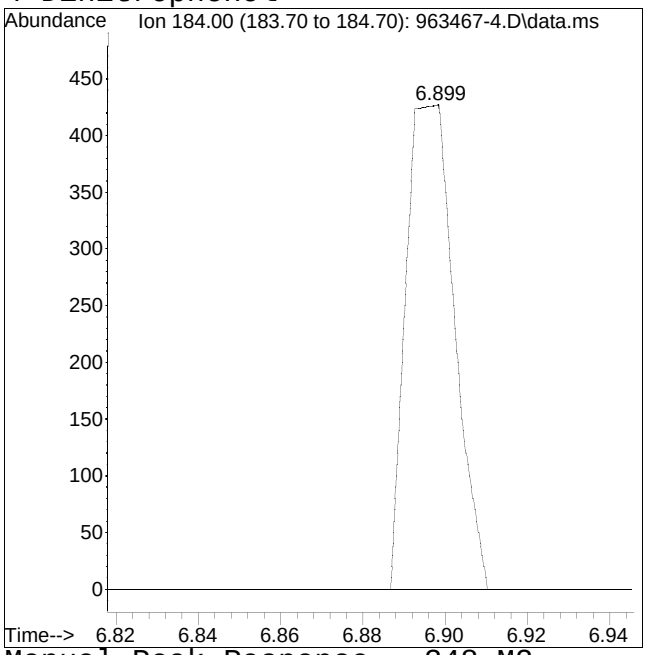
Manual Integration Report

Data Path : I:\8270\SV112\240826RVT\ QMethod : FS240625SV112RVT.m
Data File : 963467-4.D Operator : SV112:jg
Date Inj'd : 8/26/2024 6:33 pm Instrument : SV112
Sample : WG1963467-4,32,,HNY Quant Date : 8/26/2024 6:51 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



Manual Peak Response = 348 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-5.D
Acq On : 26 Aug 2024 06:55 pm
Operator : SV112:jg
Sample : WG1963467-5,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 14:56:12 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.869	152	20110	4.000	ug/ml	0.00
Standard Area 1 = 22155			Recovery = 90.77%			
27) IS2_1,4-Dichlorobenzen...	3.869	152	20110	4.000	ug/ml	0.00
Standard Area 3 = 19368			Recovery = 103.83%			
35) IS1_Naphthalene-d8	5.116	136	77004	4.000	ug/ml	0.00
Standard Area 1 = 80666			Recovery = 95.46%			
55) IS2_Naphthalene-d8	5.116	136	77004	4.000	ug/ml	0.00
Standard Area 3 = 72145			Recovery = 106.74%			
63) IS1_Acenaphthene-d10	6.799	164	47798	4.000	ug/ml	0.00
Standard Area 1 = 48614			Recovery = 98.32%			
83) IS2_Acenaphthene-d10	6.799	164	47798	4.000	ug/ml	0.00
Standard Area 3 = 43409			Recovery = 110.11%			
86) IS3_Acenaphthene-d10	6.799	164	47798	4.000	ug/ml	0.00
Standard Area 2 = 42236			Recovery = 113.17%			
88) IS1_Phenanthrene-d10	8.199	188	100934	4.000	ug/ml	0.00
Standard Area 1 = 103722			Recovery = 97.31%			
100) IS3_Phenanthrene-d10	8.199	188	100934	4.000	ug/ml	0.00
Standard Area 2 = 94779			Recovery = 106.49%			
104) IS1_Chrysene-d12	10.728	240	114701	4.000	ug/ml	0.00
Standard Area 1 = 108066			Recovery = 106.14%			
113) IS1_Perylene-d12	12.110	264	131810	4.000	ug/ml	0.00
Standard Area 1 = 129326			Recovery = 101.92%			
System Monitoring Compounds						
4) 2-Fluorophenol	2.558	112	1757	0.333	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 16.65%			
7) Phenol-d6	3.616	99	3062	0.449	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery = 22.45%			
19) Nitrobenzene-d5	4.434	82	5651	0.869	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 86.90%			
46) 2-Fluorobiphenyl	6.193	172	12307	0.707	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%			
79) 2,4,6-Tribromophenol	7.557	330	1588	0.518	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.90%			
96) 4-Terphenyl-d14	9.775	244	22016	0.848	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 84.80%			

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-5.D
Acq On : 26 Aug 2024 06:55 pm
Operator : SV112:jg
Sample : WG1963467-5,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 14:56:12 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	3.675	128	4141	0.659	ug/ml	96
8) Phenol	3.628	94	4282	0.540	ug/ml	96
9) Bis(2-chloroethyl)ether	3.658	93	9569	1.631	ug/ml#	84
14) Bis(2-chloroisopropyl)...	4.199	45	13881	1.872	ug/ml#	76
15) 2-Methylphenol	4.216	108	6748	1.271	ug/ml	98
17) n-Nitrosodi-n-propylamine	4.328	70	7523	1.730	ug/ml#	94
18) 3-Methylphenol/4-Methy...	4.381	108	7160	1.238	ug/ml#	14
20) Nitrobenzene	4.452	77	10961	1.691	ug/ml	96
21) Isophorone	4.699	82	20132	1.720	ug/ml	99
22) 2-Nitrophenol	4.769	139	1952	0.676	ug/ml#	1
23) 2,4-Dimethylphenol	4.881	107	5702	1.030	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.958	93	13353	1.695	ug/ml#	96
25) 2,4-Dichlorophenol	5.022	162	4122	0.711	ug/ml	96
28) Benzaldehyde	3.422	105	7292	1.326	ug/ml	96
29) Acetophenone	4.293	105	15216	1.590	ug/ml	97
38) 4-Chloroaniline	5.228	65	3563M3	1.571	ug/ml	
40) p-Chloro-m-cresol	5.758	107	7697	1.444	ug/ml	98
43) Hexachlorocyclopentadiene	5.993	237	3341	0.692	ug/ml#	91
44) 2,4,6-Trichlorophenol	6.116	196	1997	0.404	ug/ml	97
45) 2,4,5-Trichlorophenol	6.152	196	3083	0.610	ug/ml	97
48) 2-Nitroaniline	6.399	138	6885	1.784	ug/ml	100
51) Dimethyl phthalate	6.610	163	28399	1.599	ug/ml	99
53) 2,6-Dinitrotoluene	6.646	165	5553	1.671	ug/ml#	76
60) Caprolactam	5.522	55	1715	0.954	ug/ml	96
61) 1,2,4,5-Tetrachloroben...	5.981	216	10050	1.090	ug/ml	98
62) Biphenyl	6.275	154	25066	1.269	ug/ml	99
64) 3-Nitroaniline	6.793	138	6387	1.789	ug/ml#	96
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	6.999	168	32342	1.473	ug/ml	95
68) 2,4-Dinitrotoluene	7.022	165	7751	1.692	ug/ml#	77
69) 4-Nitrophenol	7.022	65	793	0.229	ug/ml#	1
71) 2,3,4,6-Tetrachlorophenol	7.140	232	1083	0.245	ug/ml#	71
72) Diethyl phthalate	7.299	149	29177	1.642	ug/ml	99
74) 4-Chlorophenyl phenyl ...	7.357	204	13059	1.402	ug/ml#	84
75) 4-Nitroaniline	7.369	138	6493	1.729	ug/ml	98
76) 4,6-Dinitro-o-cresol	7.404	198	545	0.409	ug/ml#	1

Data Path : I:\8270\SV112\240826RVT\
Data File : 963467-5.D
Acq On : 26 Aug 2024 06:55 pm
Operator : SV112:jg
Sample : WG1963467-5,32,,HNY
Misc : WG1963848,WG1963467,ical21241
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 14:56:12 2024
Quant Method : I:\8270\SV112\240826RVT\FS240625SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 26 14:01:13 2024
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CCAL FILE(s) : 1 - I:\8270\SV112\240826RVT\ABN0826.D
: 2 - I:\8270\SV112\240826RVT\ADP0826.D
: 3 - I:\8270\SV112\240826RVT\AP90826.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
77)	NDPA/DPA	7.475	169	22586	1.536	ug/ml	96
80)	4-Bromophenyl phenyl e...	7.816	248	8604	1.441	ug/ml#	84
87)	Atrazine	8.028	200	8079	1.532	ug/ml	98
91)	Carbazole	8.451	167	42703	1.785	ug/ml	98
92)	Di-n-butylphthalate	8.875	149	49358	1.892	ug/ml	99
97)	Butyl benzyl phthalate	10.293	149	22947	1.988	ug/ml	96
106)	3,3'-Dichlorobenzidine	10.745	252	22531	1.679	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.910	149	34439	1.880	ug/ml	99
109)	Di-n-octylphthalate	11.551	149	56784	2.023	ug/ml	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\240826RVT\
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QLast Update : Mon Aug 26 14:01:13 2024
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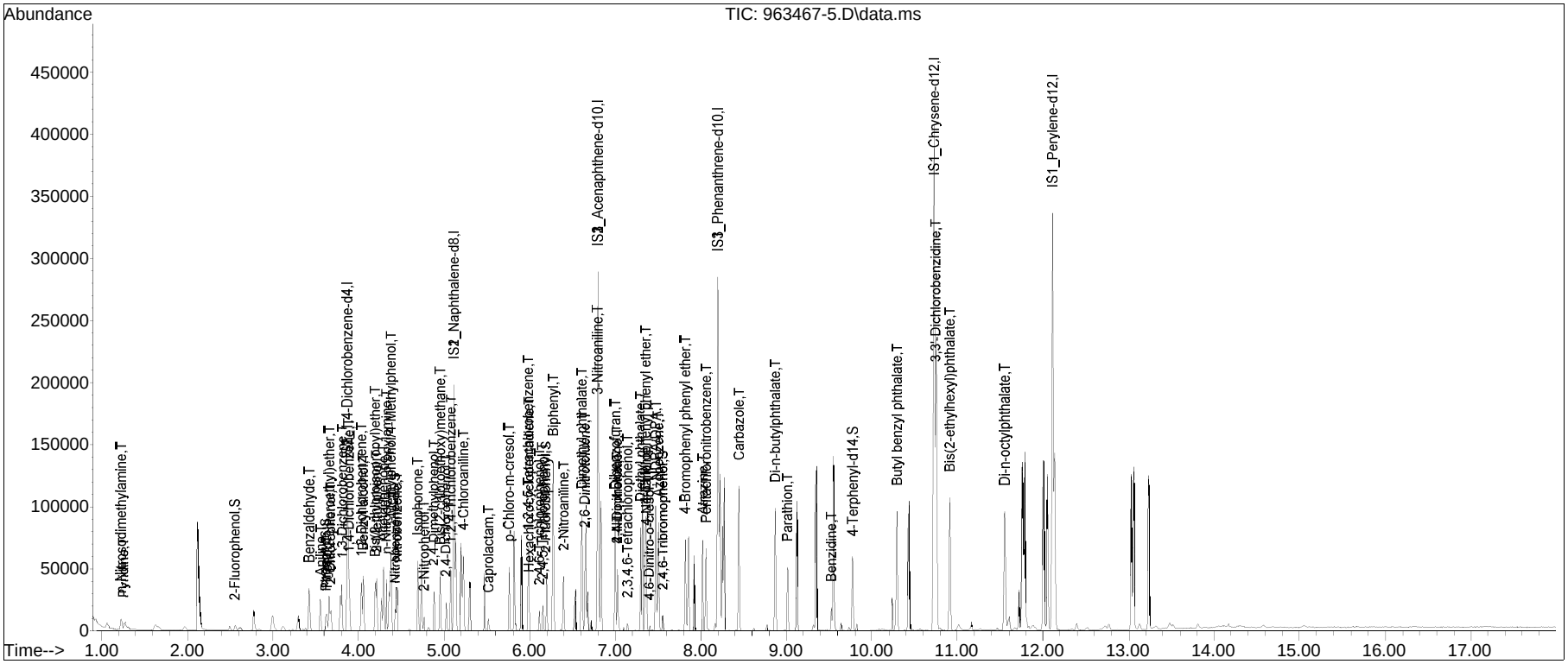
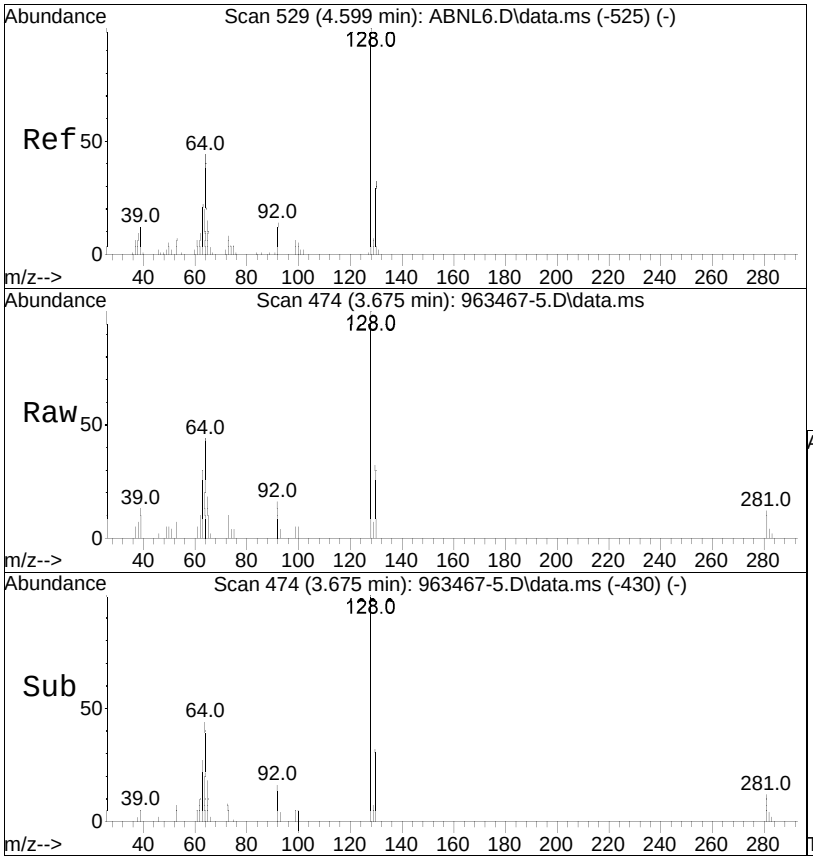
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90826.D•

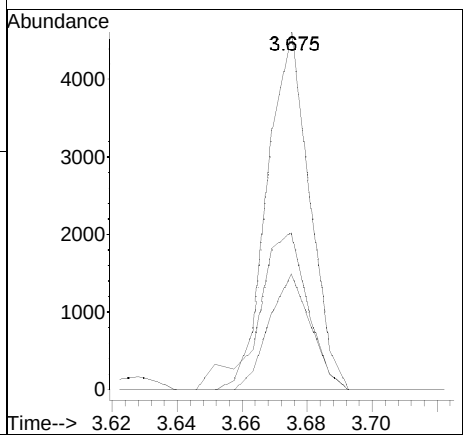


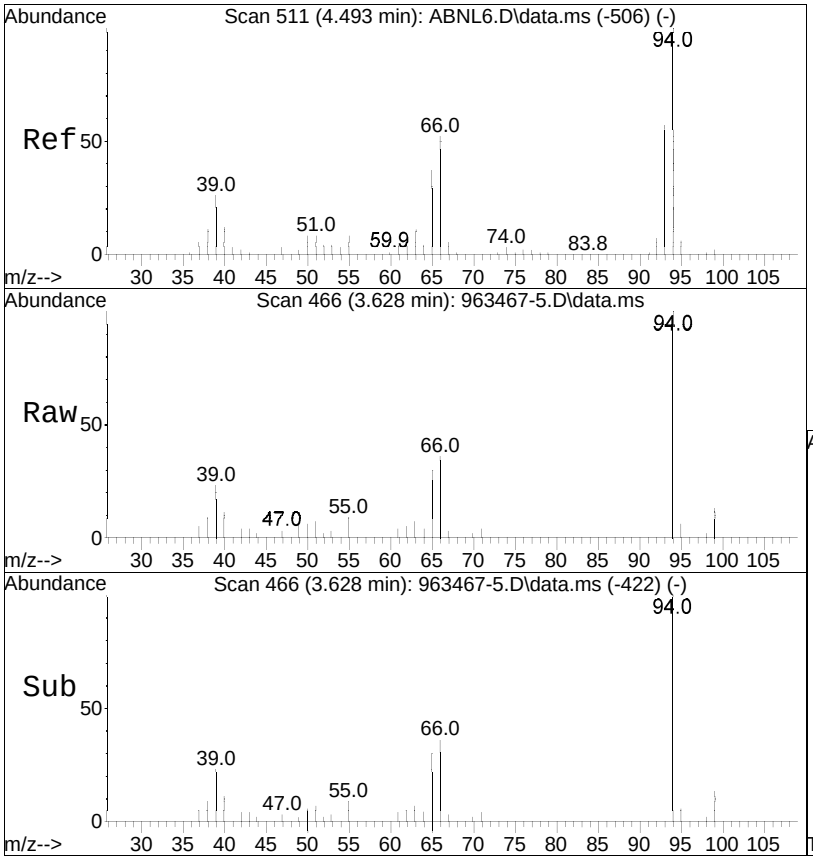


#6
2-Chlorophenol
Concen: 0.66 ug/ml
RT: 3.675 min Scan# 474
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:128 Resp: 4141

Ion	Ratio	Lower	Upper
128	100		
64	51.8	38.2	57.4
130	32.2	26.2	39.2

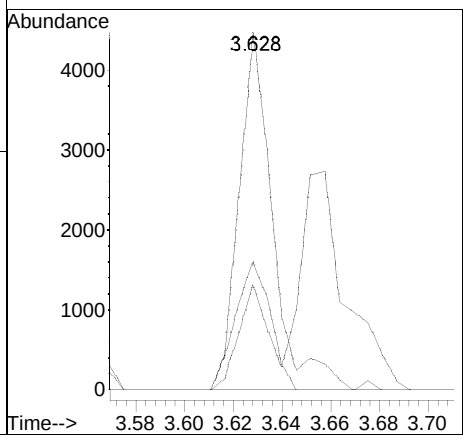


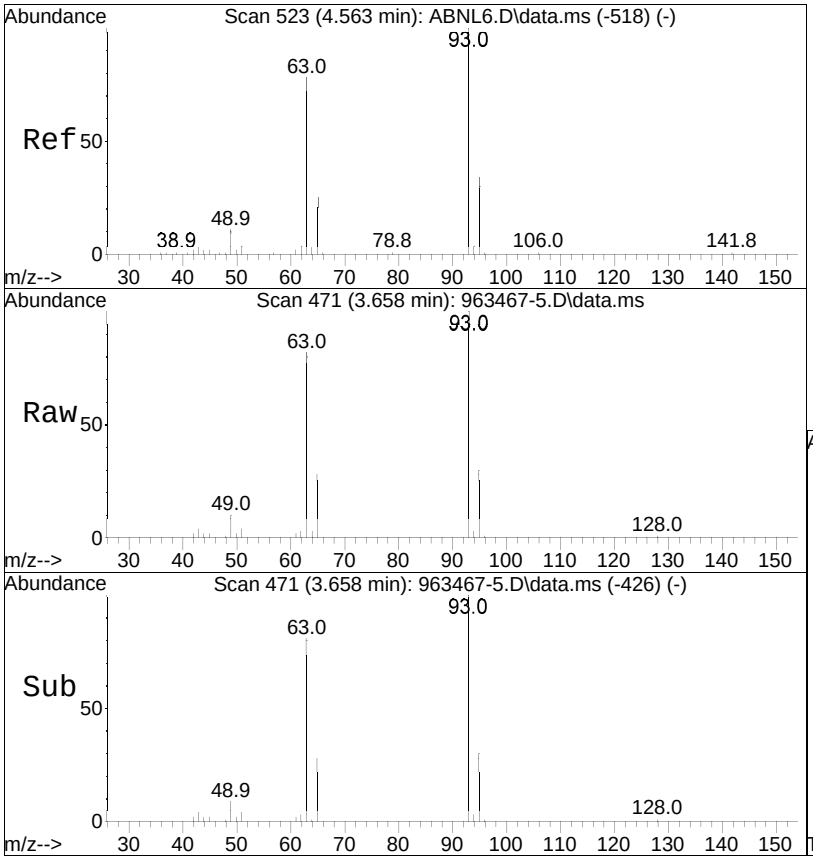


#8
Phenol
Concen: 0.54 ug/ml
RT: 3.628 min Scan# 466
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 94 Resp: 4282

Ion	Ratio	Lower	Upper
94	100		
65	26.4	23.0	34.6
66	37.4	32.1	48.1

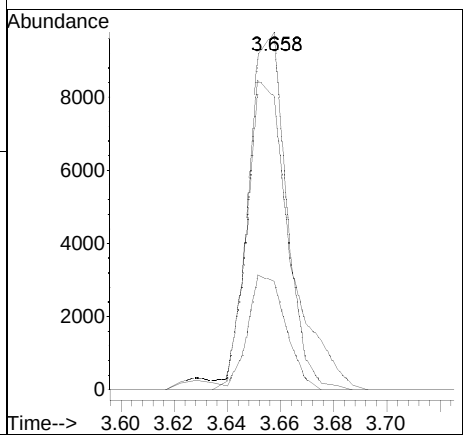


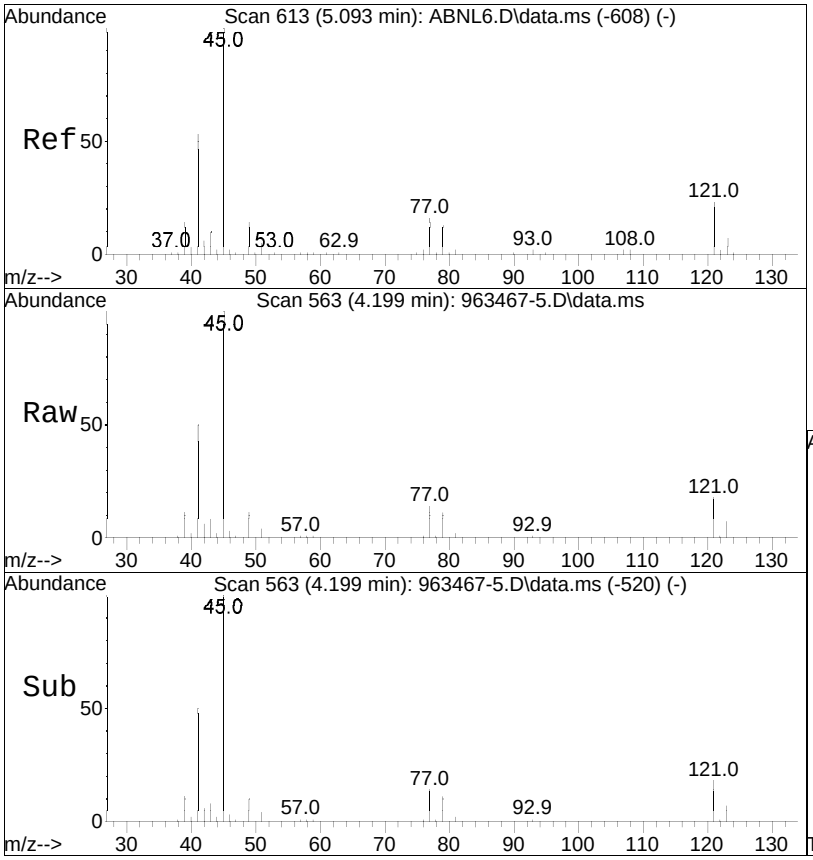


#9
Bis(2-chloroethyl)ether
Concen: 1.63 ug/ml
RT: 3.658 min Scan# 471
Delta R.T. 0.012 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 93 Resp: 9569

Ion	Ratio	Lower	Upper
93	100		
63	102.9	67.0	100.4#
95	34.9	26.1	39.1

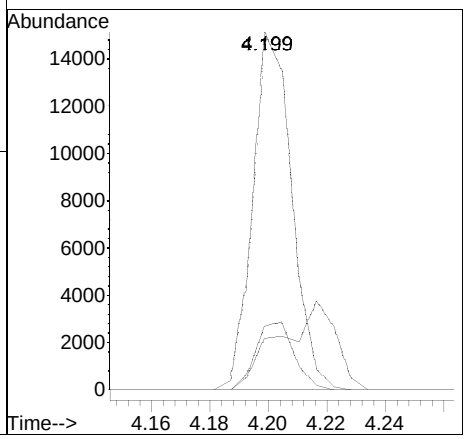


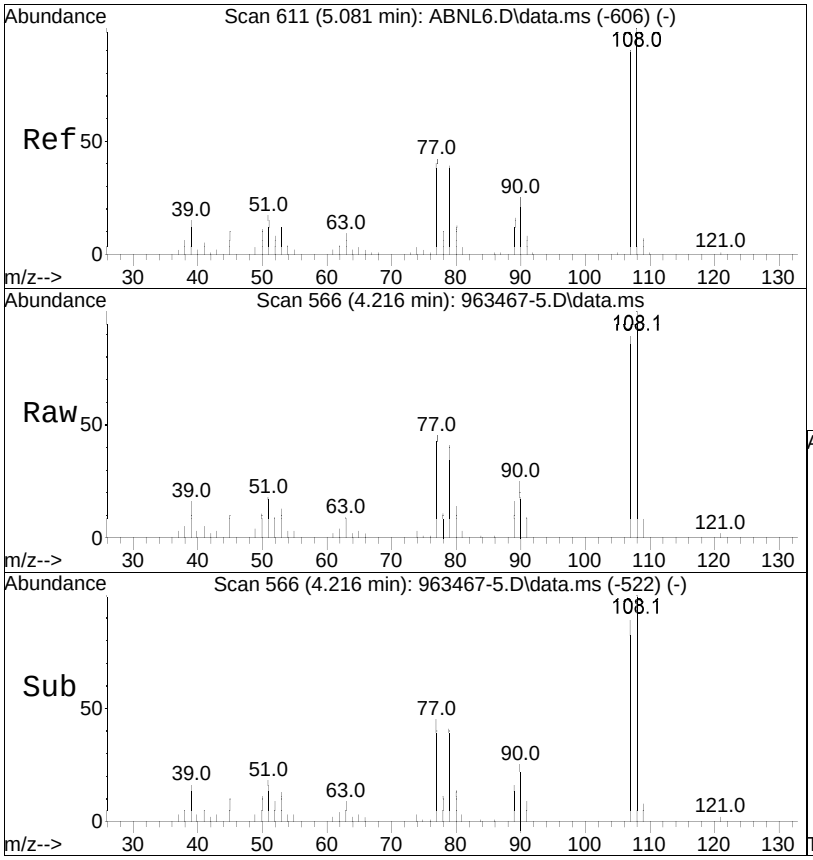


#14
Bis(2-chloroisopropyl)ether
Concen: 1.87 ug/ml
RT: 4.199 min Scan# 563
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 45 Resp: 13881

Ion	Ratio	Lower	Upper
45	100		
121	18.8	14.8	22.2
77	35.6	10.5	15.7#

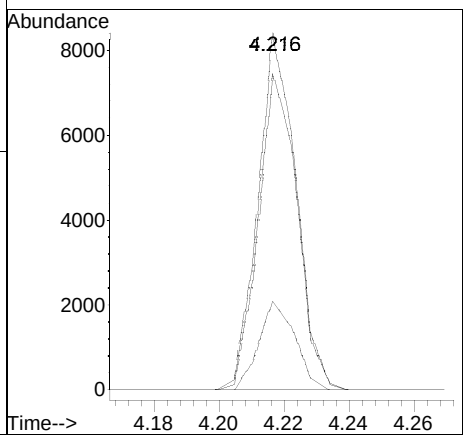


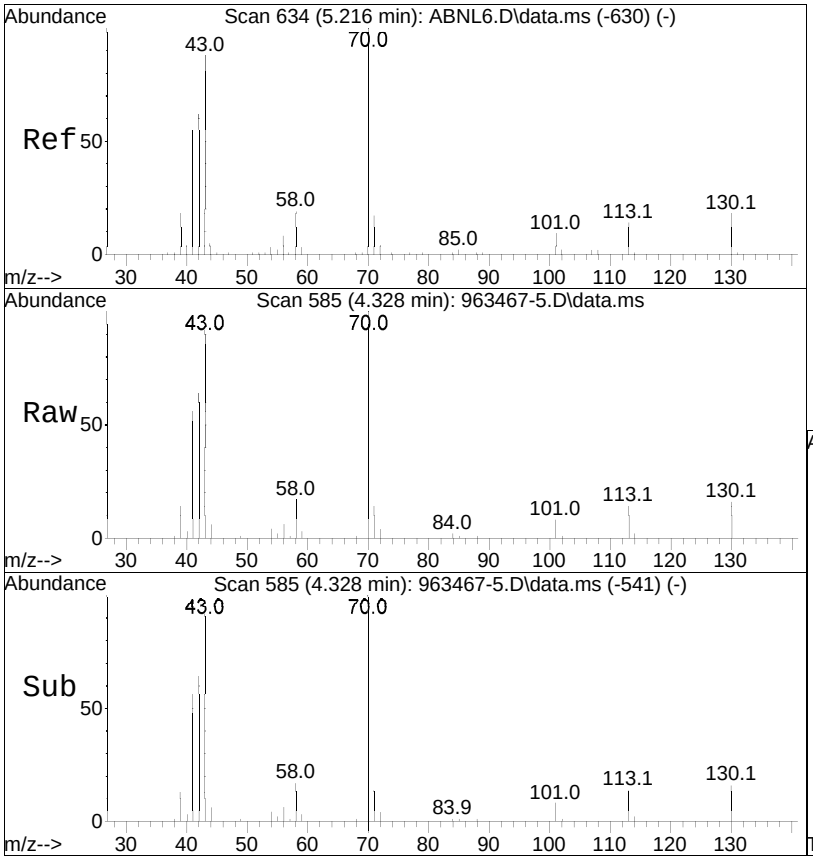


#15
2-Methylphenol
Concen: 1.27 ug/ml
RT: 4.216 min Scan# 566
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:108 Resp: 6748

Ion	Ratio	Lower	Upper
108	100		
107	90.2	71.0	106.4
90	23.7	19.7	29.5

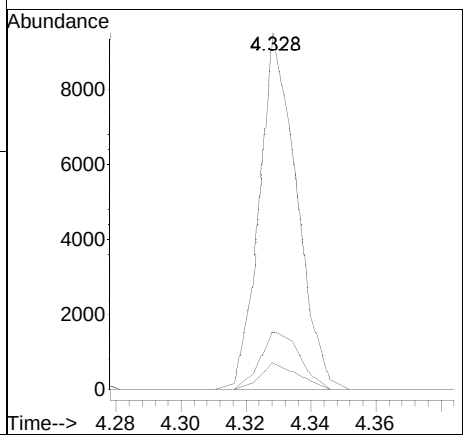


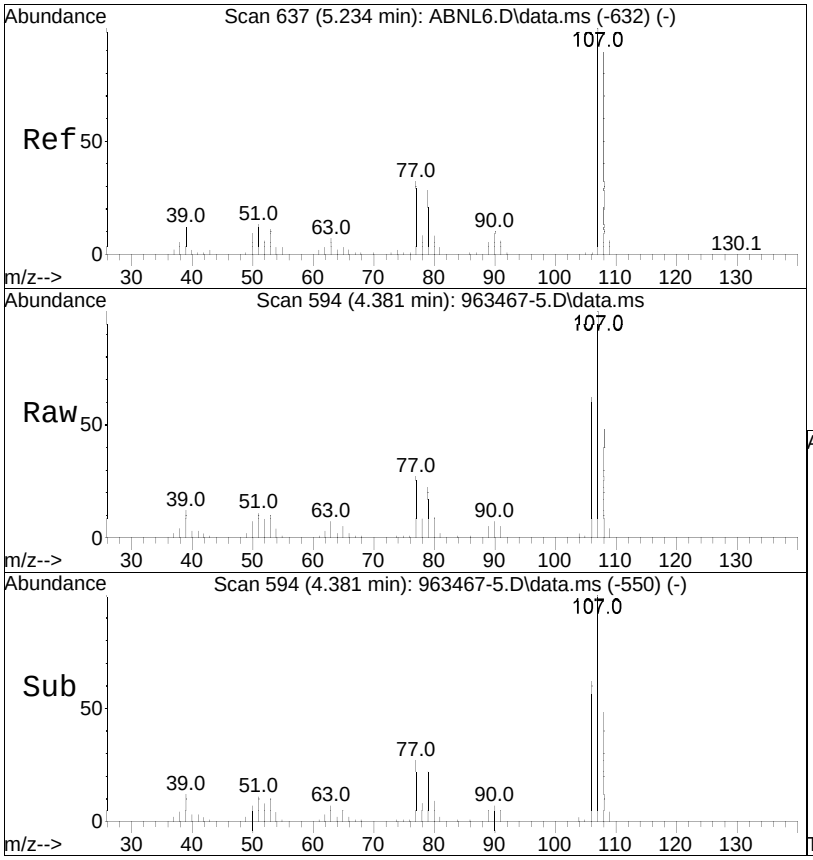


#17
n-Nitrosodi-n-propylamine
Concen: 1.73 ug/ml
RT: 4.328 min Scan# 585
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 70 Resp: 7523

Ion	Ratio	Lower	Upper
70	100		
130	17.2	16.2	24.4
101	7.5	7.6	11.4#

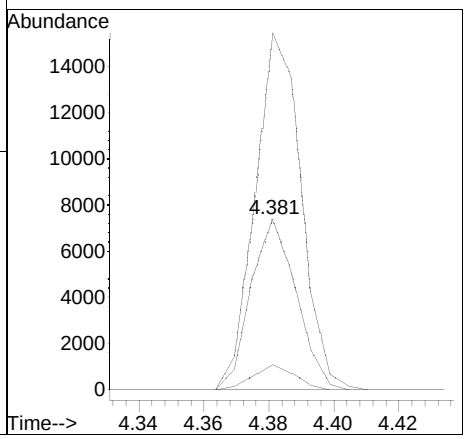


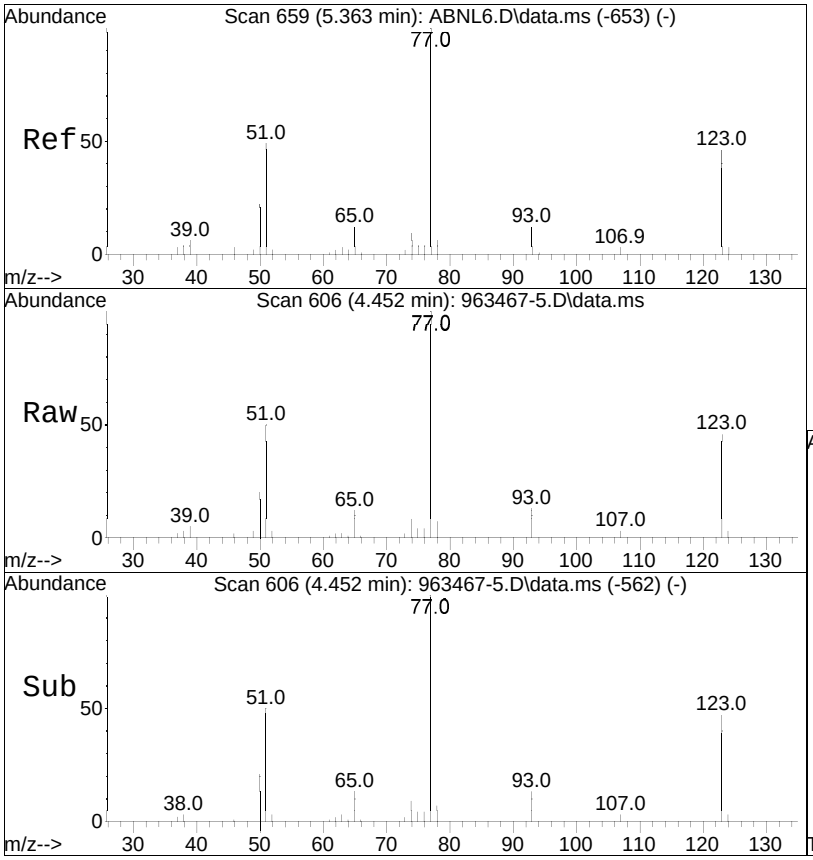


#18
3-Methylphenol/4-Methylphenol
Concen: 1.24 ug/ml
RT: 4.381 min Scan# 594
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:108 Resp: 7160

Ion	Ratio	Lower	Upper
108	100		
107	210.9	88.8	133.2#
90	13.7	9.0	13.6#

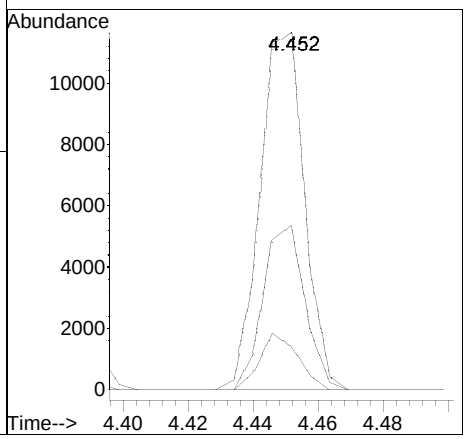


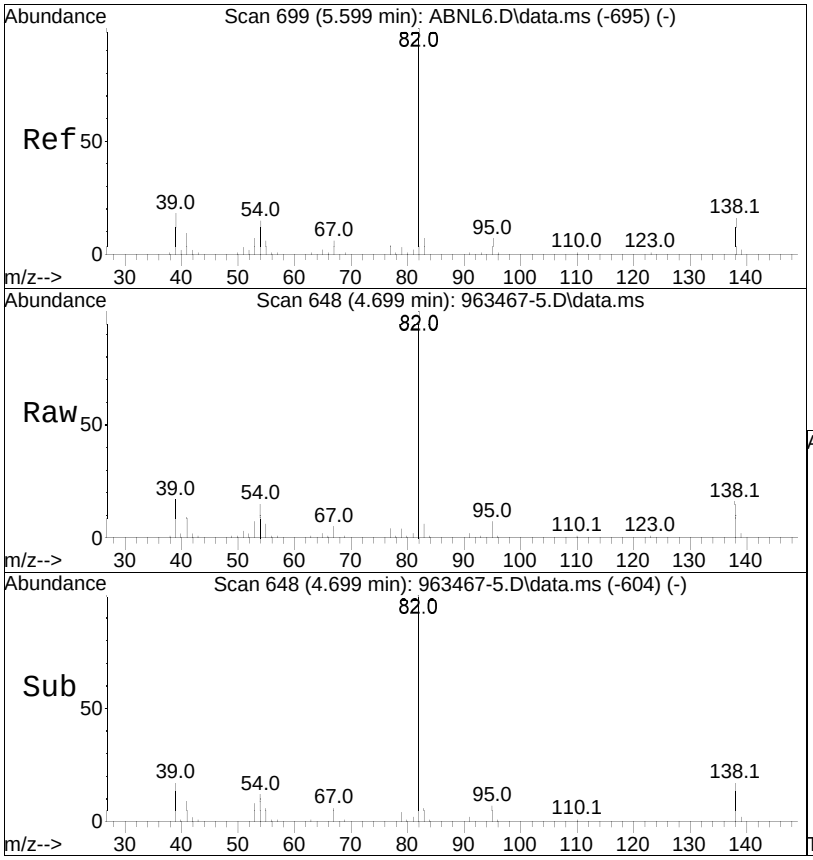


#20
Nitrobenzene
Concen: 1.69 ug/ml
RT: 4.452 min Scan# 606
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 77 Resp: 10961

Ion	Ratio	Lower	Upper
77	100		
123	43.6	37.3	55.9
65	13.7	10.9	16.3

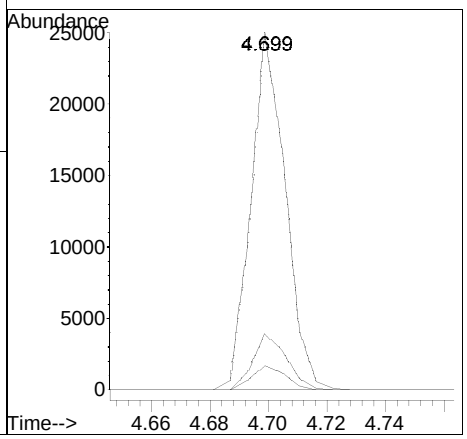


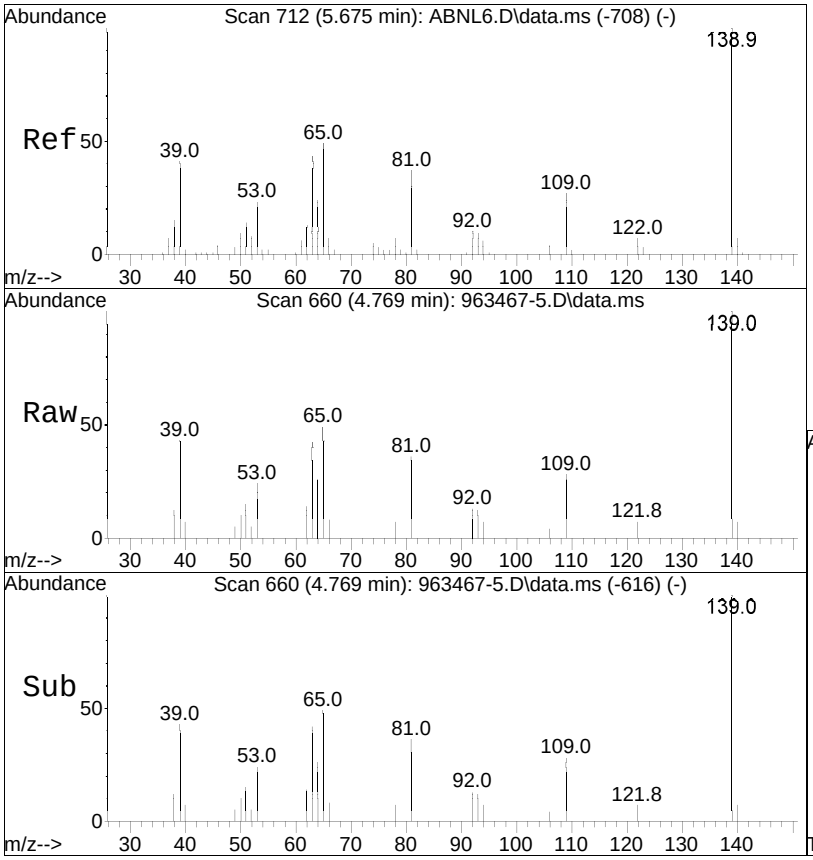


#21
Isophorone
Concen: 1.72 ug/ml
RT: 4.699 min Scan# 648
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 82 Resp: 20132

Ion	Ratio	Lower	Upper
82	100		
138	15.5	13.0	19.4
95	6.8	5.5	8.3

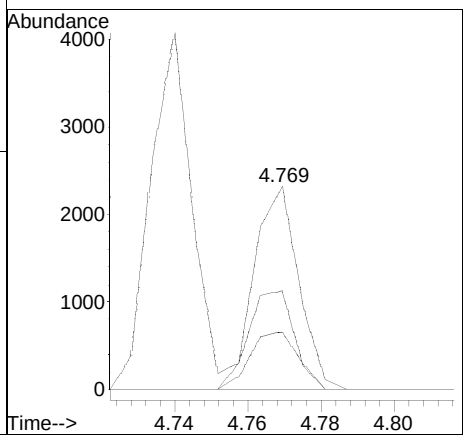


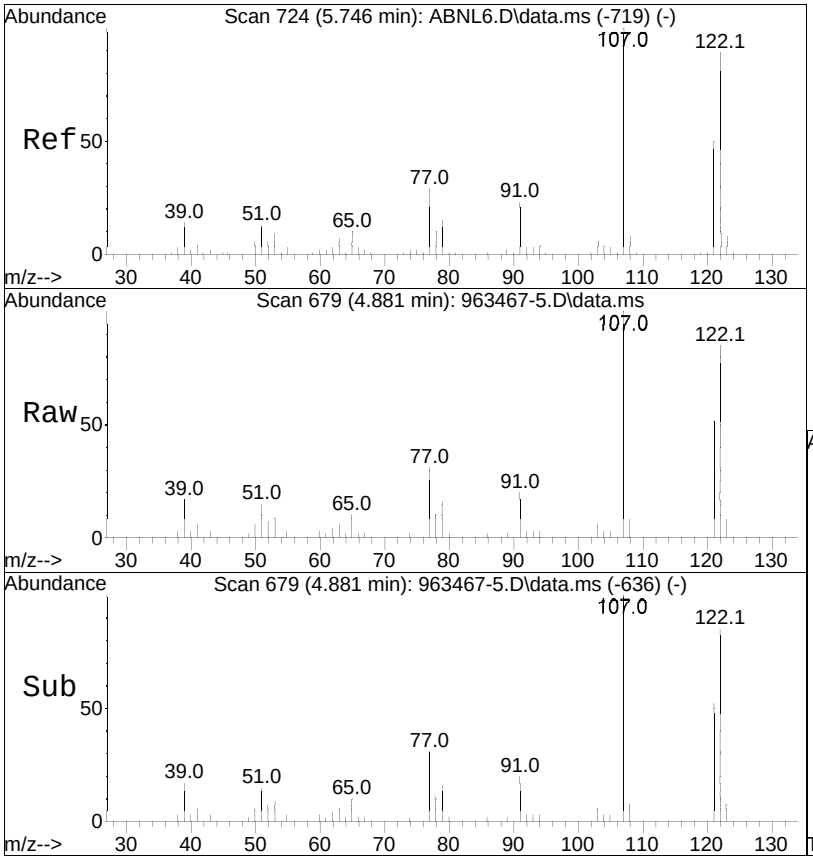


#22
2-Nitrophenol
Concen: 0.68 ug/ml
RT: 4.769 min Scan# 660
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:139 Resp: 1952

Ion	Ratio	Lower	Upper
139	100		
109	30.9	23.1	34.7
65	169.0	41.4	62.2#

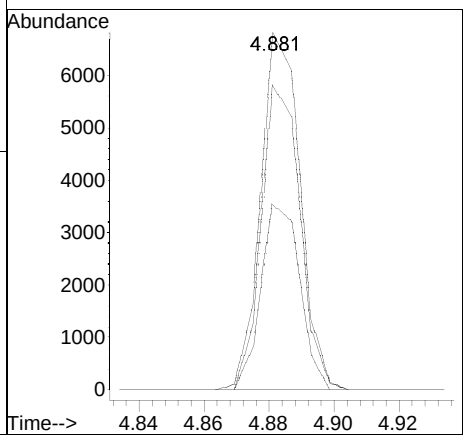


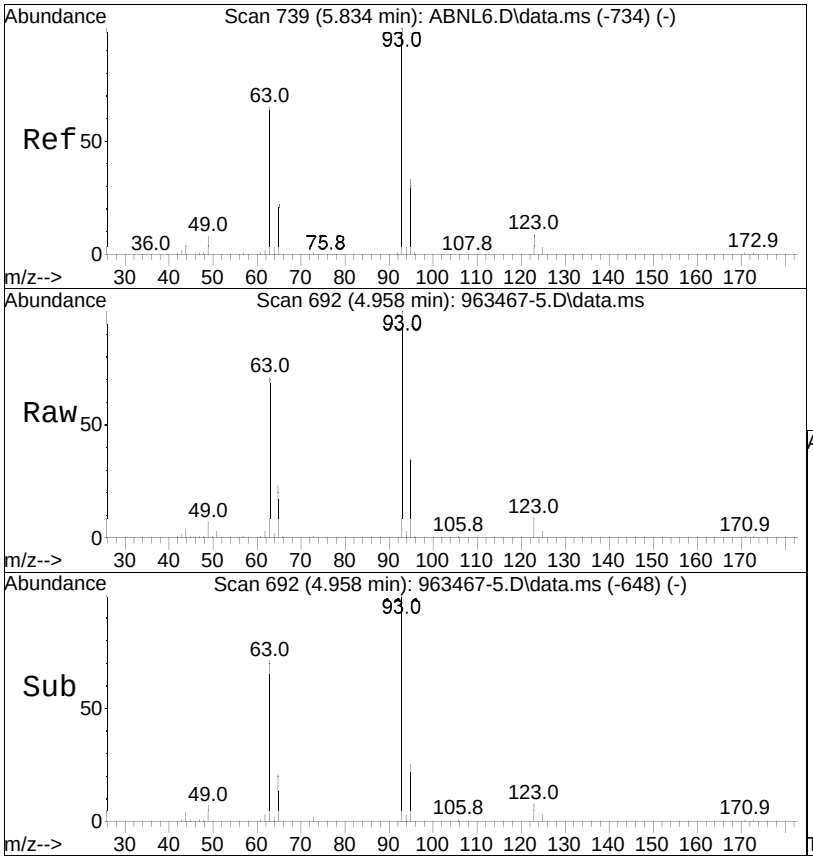


#23
2,4-Dimethylphenol
Concen: 1.03 ug/ml
RT: 4.881 min Scan# 679
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:107 Resp: 5702

Ion	Ratio	Lower	Upper
107	100		
121	51.4	41.3	61.9
122	83.9	69.3	103.9

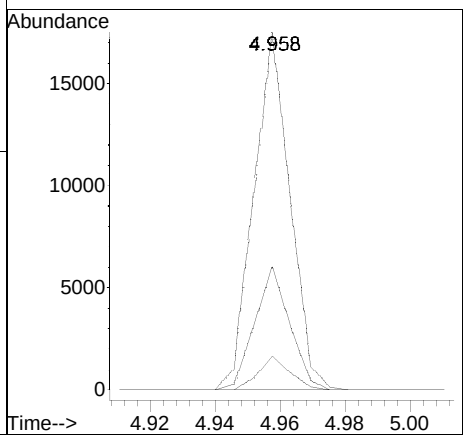


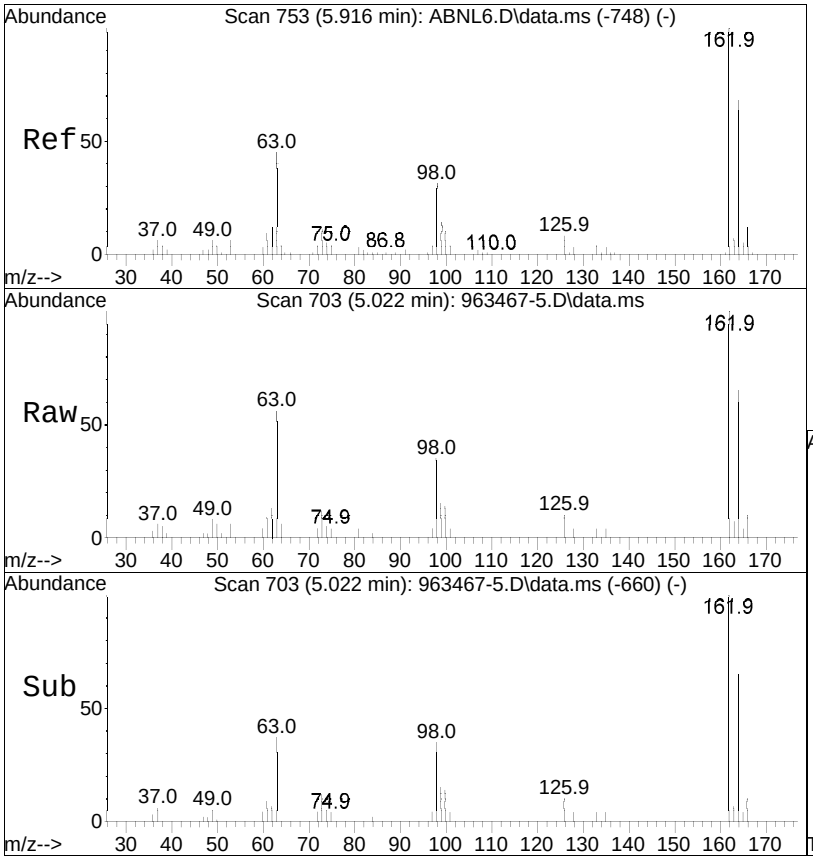


#24
Bis(2-chloroethoxy)methane
Concen: 1.69 ug/ml
RT: 4.958 min Scan# 692
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 93 Resp: 13353

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	8.3	9.6	14.4#

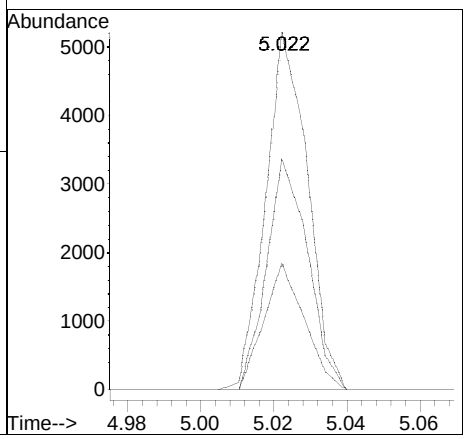


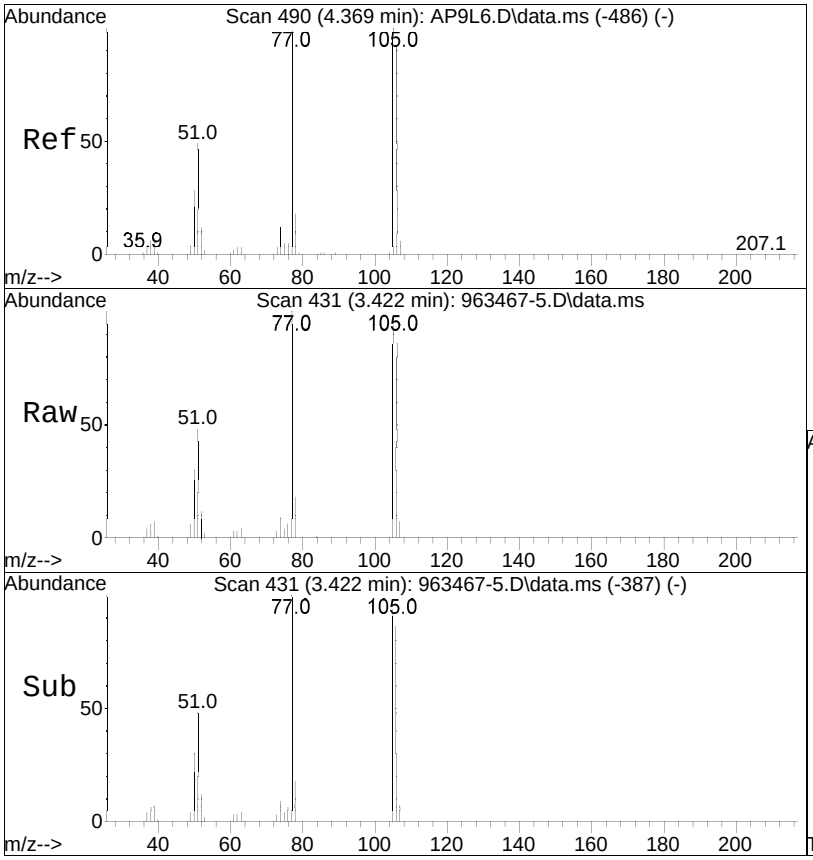


#25
2,4-Dichlorophenol
Concen: 0.71 ug/ml
RT: 5.022 min Scan# 703
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:162 Resp: 4122

Ion	Ratio	Lower	Upper
162	100		
164	63.4	51.1	76.7
98	34.4	32.2	48.2

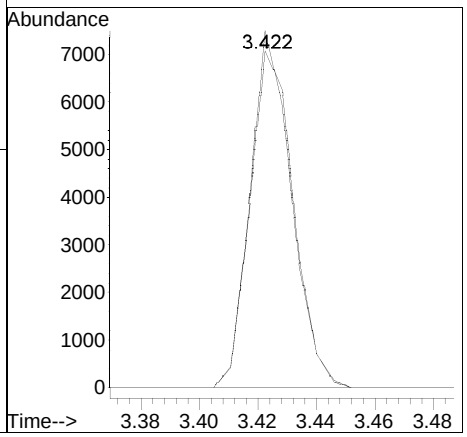


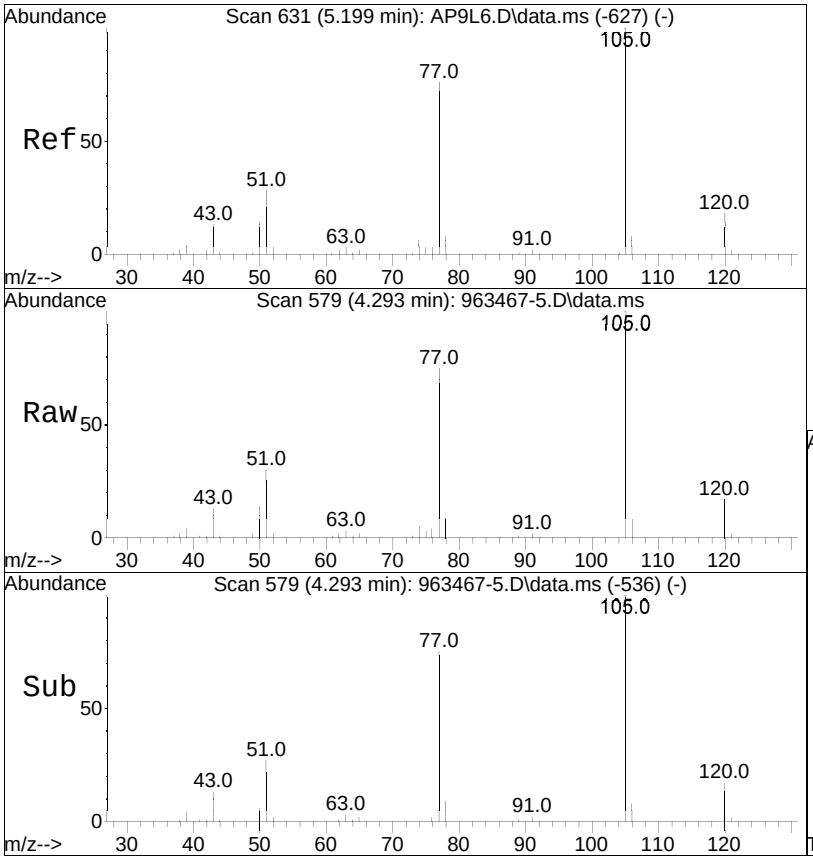


#28
Benzaldehyde
Concen: 1.33 ug/ml
RT: 3.422 min Scan# 431
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:105 Resp: 7292

Ion	Ratio	Lower	Upper
105	100		
77	100.1	77.0	115.6

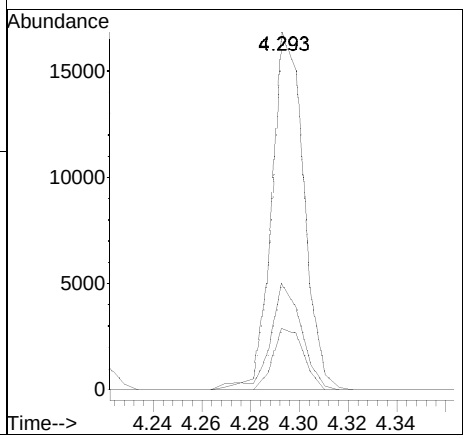


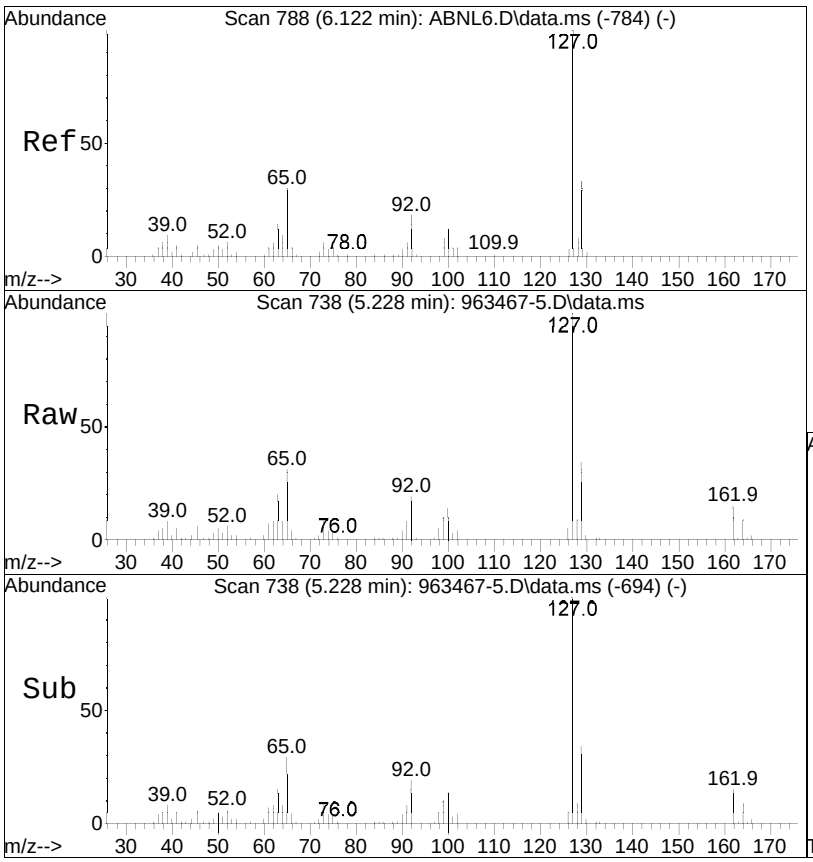


#29
Acetophenone
Concen: 1.59 ug/ml
RT: 4.293 min Scan# 579
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:105 Resp: 15216

Ion	Ratio	Lower	Upper
105	100		
120	16.5	15.2	22.8
51	29.6	23.1	34.7

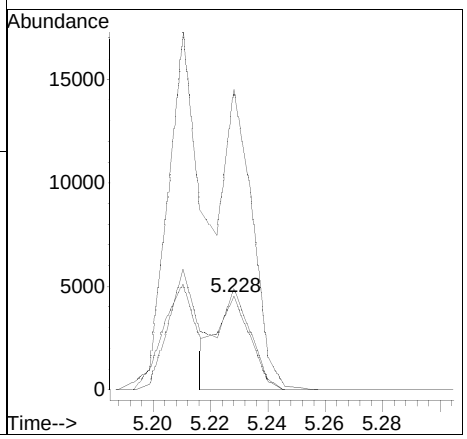


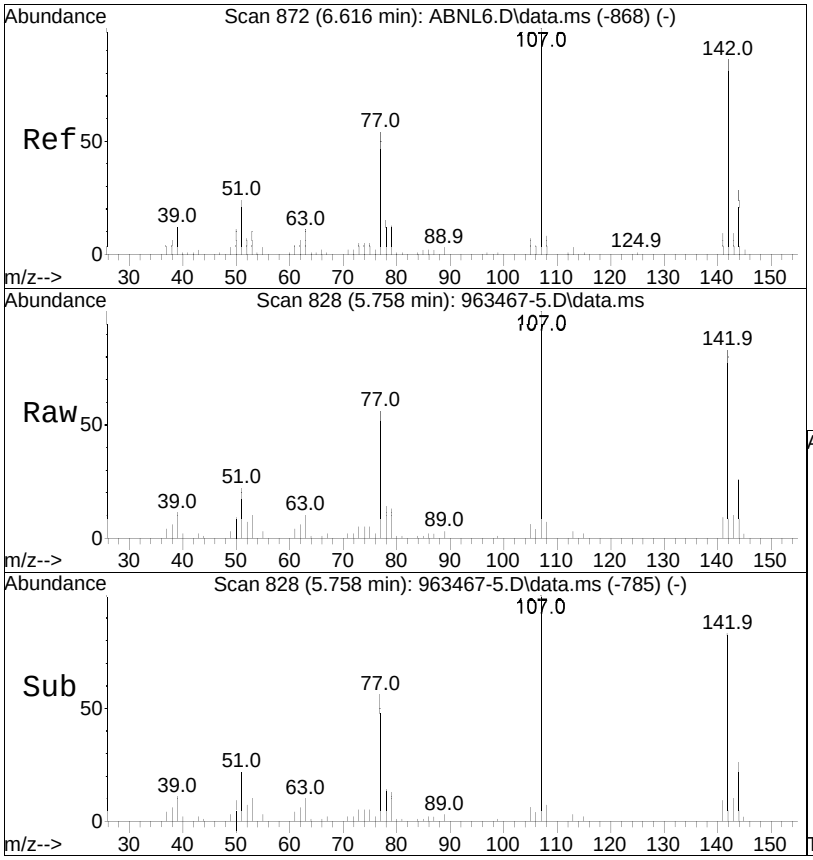


#38
4-Chloroaniline
Concen: 1.57 ug/ml M3
RT: 5.228 min Scan# 738
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 65 Resp: 3563

Ion	Ratio	Lower	Upper
65	100		
127	423.8	266.2	399.4#
129	140.3	85.0	127.4#

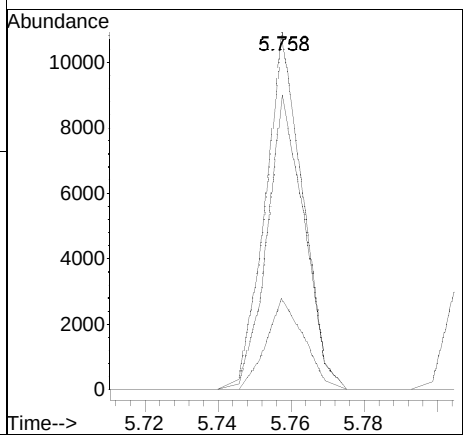


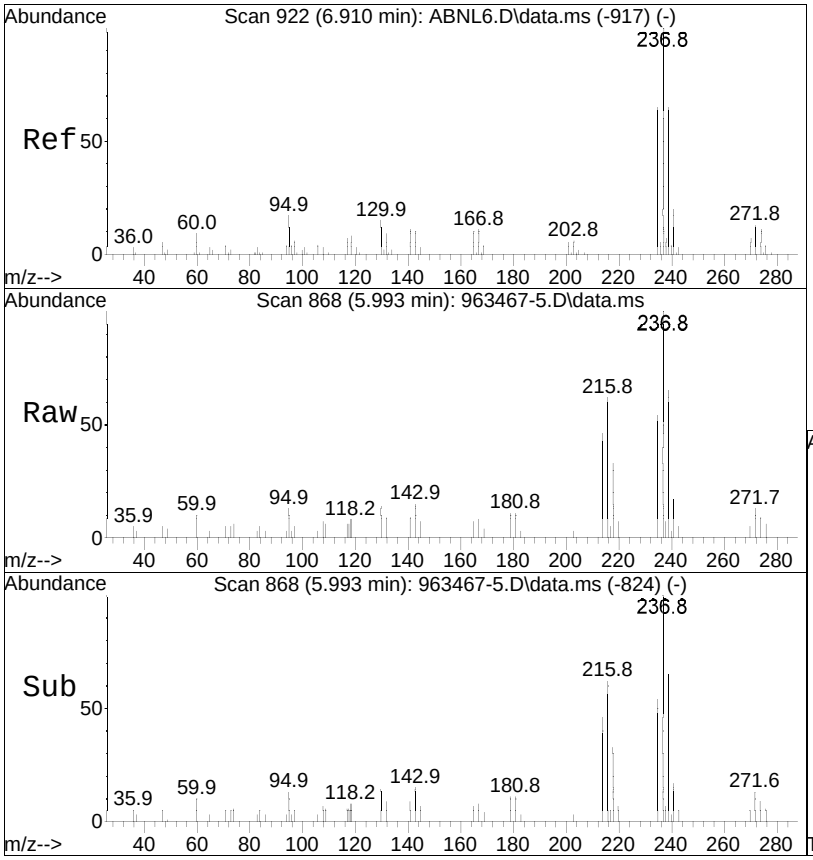


#40
p-Chloro-m-cresol
Concen: 1.44 ug/ml
RT: 5.758 min Scan# 828
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:107 Resp: 7697

Ion	Ratio	Lower	Upper
107	100		
144	25.9	20.3	30.5
142	82.3	63.8	95.6

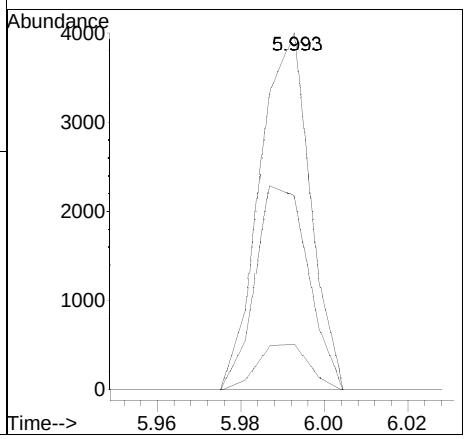


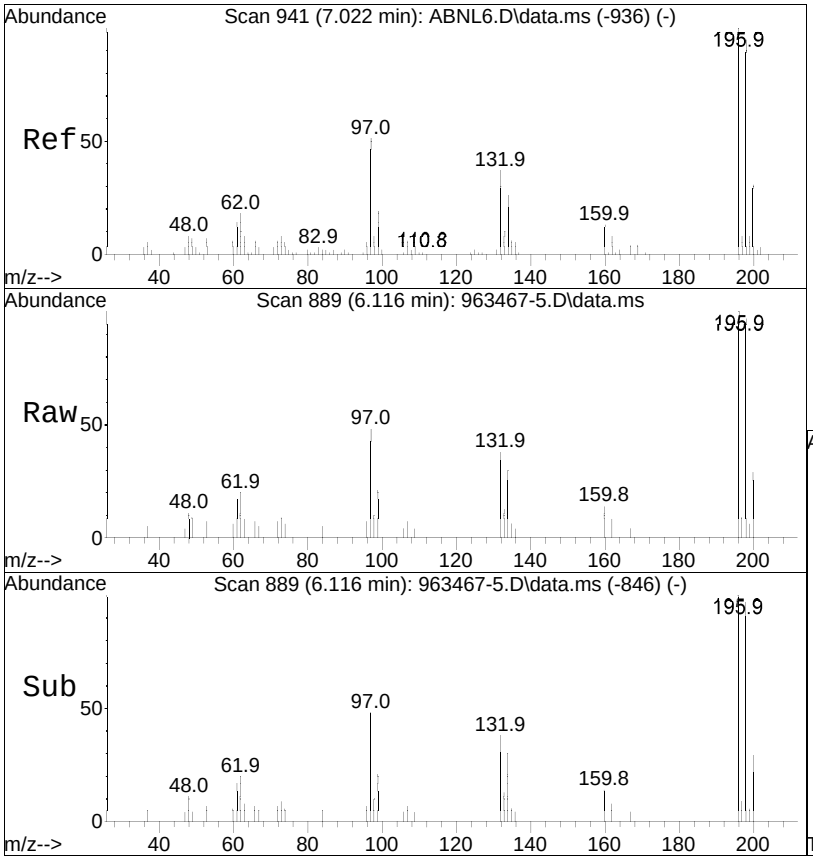


#43
Hexachlorocyclopentadiene
Concen: 0.69 ug/ml
RT: 5.993 min Scan# 868
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:237 Resp: 3341

Ion	Ratio	Lower	Upper
237	100		
235	60.3	50.9	76.3
272	0.0	10.1	15.1#

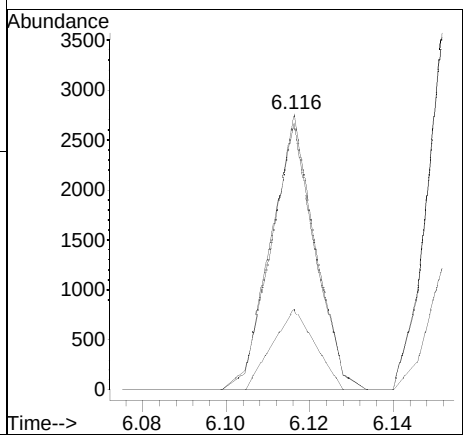


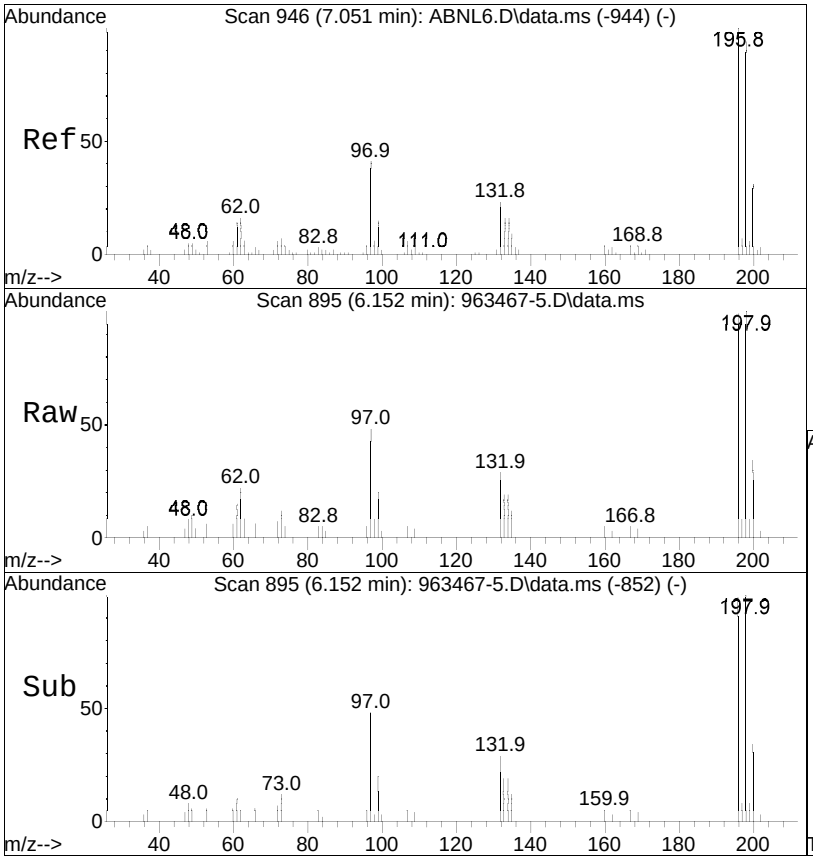


#44
2,4,6-Trichlorophenol
Concen: 0.40 ug/ml
RT: 6.116 min Scan# 889
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:196 Resp: 1997

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.4	114.6
200	28.6	24.4	36.6

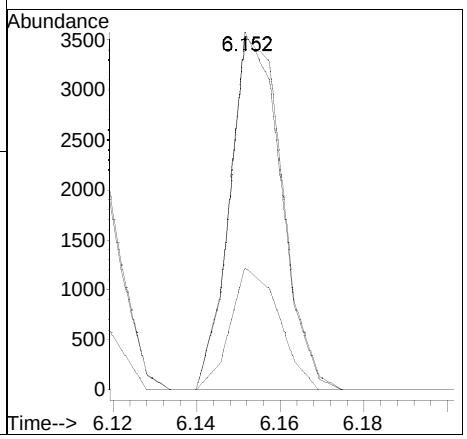


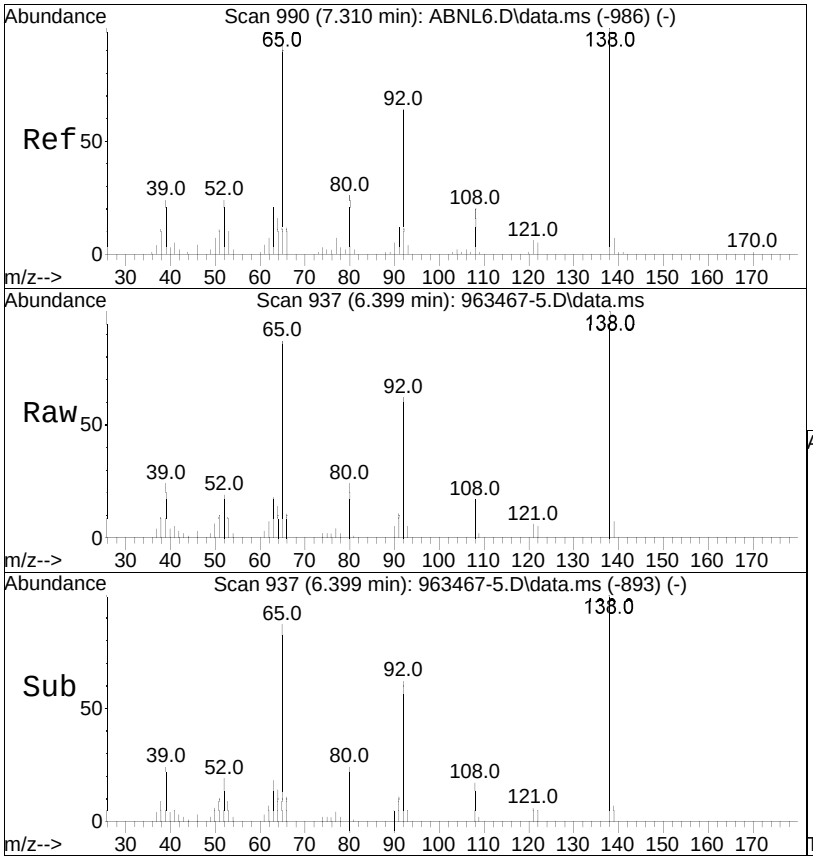


#45
2,4,5-Trichlorophenol
Concen: 0.61 ug/ml
RT: 6.152 min Scan# 895
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:196 Resp: 3083

Ion	Ratio	Lower	Upper
196	100		
200	32.0	24.2	36.4
198	98.0	76.2	114.2

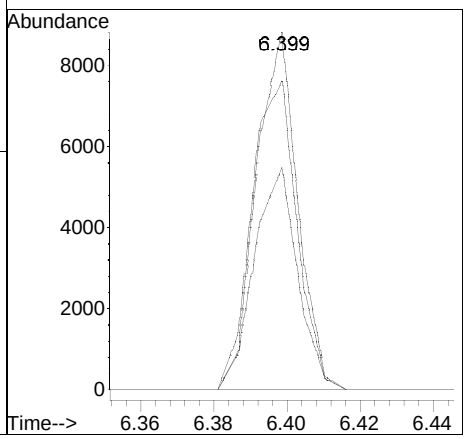


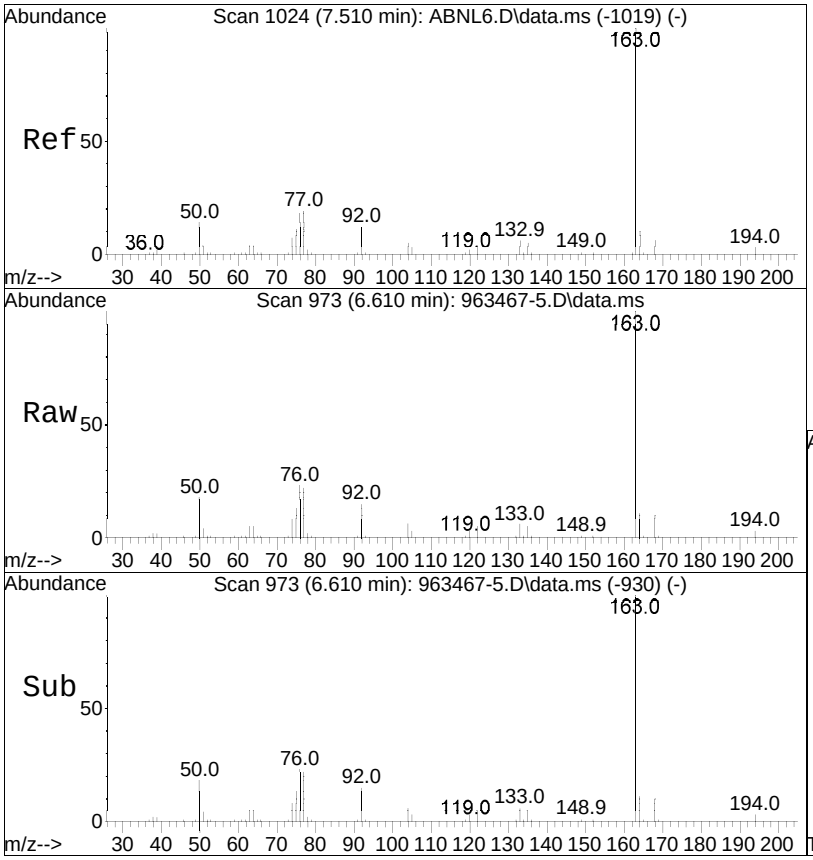


#48
2-Nitroaniline
Concen: 1.78 ug/ml
RT: 6.399 min Scan# 937
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:138 Resp: 6885

Ion	Ratio	Lower	Upper
138	100		
92	65.3	52.1	78.1
65	94.5	75.9	113.9

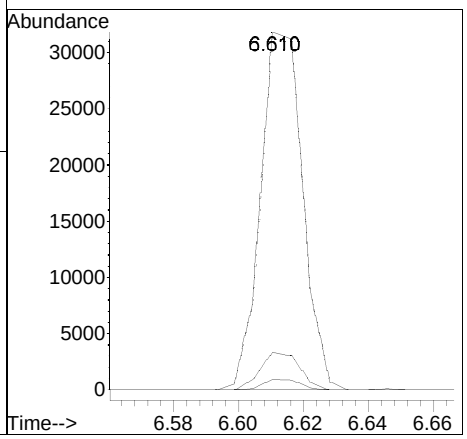


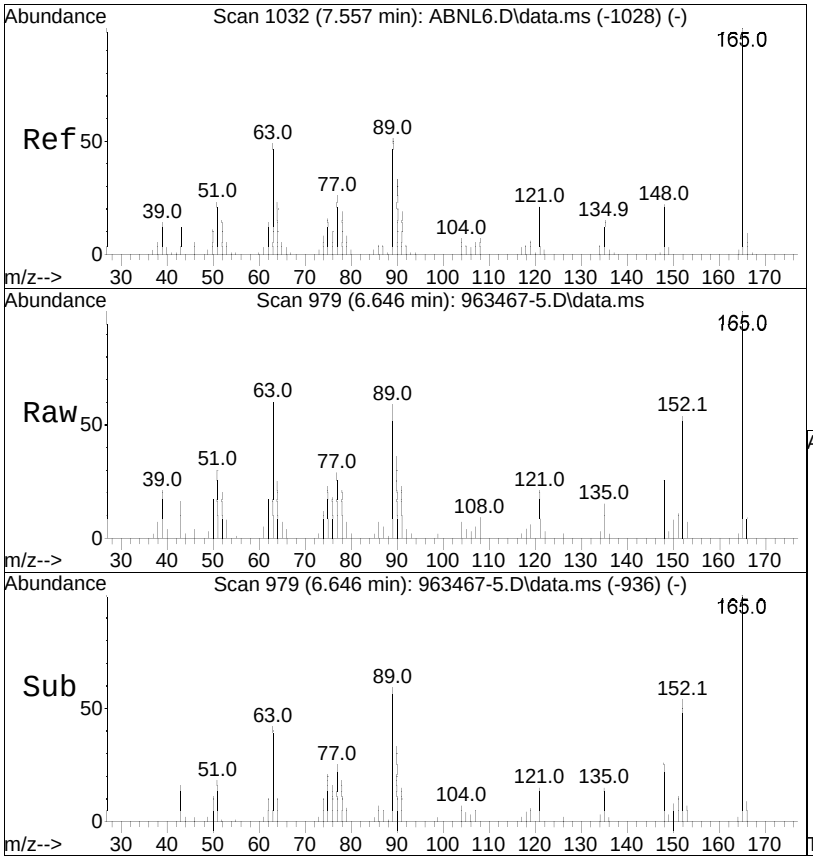


#51
Dimethyl phthalate
Concen: 1.60 ug/ml
RT: 6.610 min Scan# 973
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:163 Resp: 28399

Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.3	3.5
164	10.0	8.2	12.2

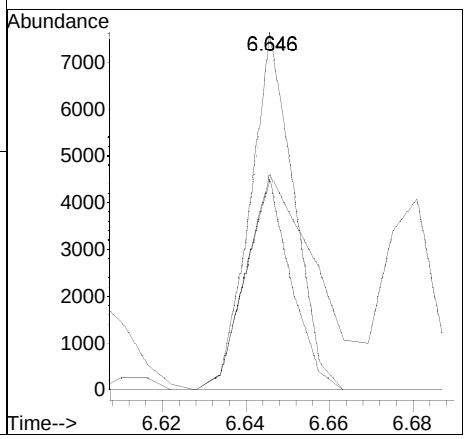


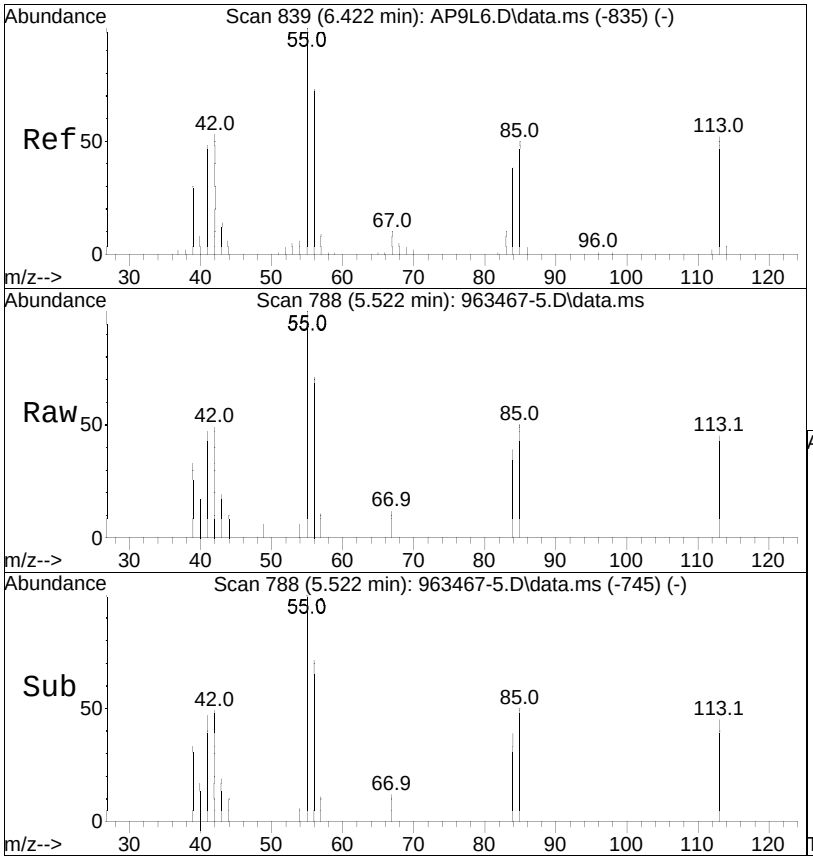


#53
2,6-Dinitrotoluene
Concen: 1.67 ug/ml
RT: 6.646 min Scan# 979
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:165 Resp: 5553

Ion	Ratio	Lower	Upper
165	100		
89	61.4	48.8	73.2
63	99.4	50.5	75.7#

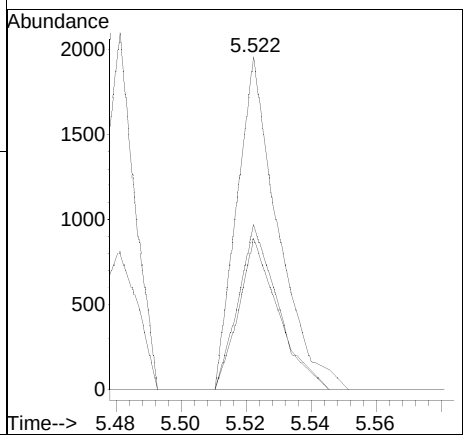


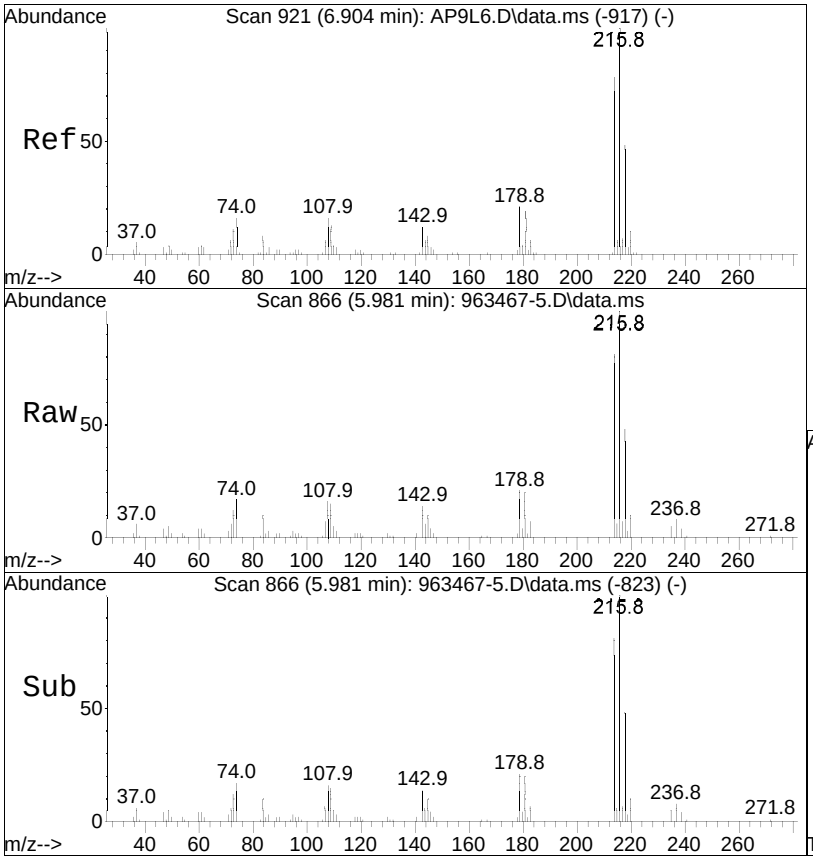


#60
Caprolactam
Concen: 0.95 ug/ml
RT: 5.522 min Scan# 788
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 55 Resp: 1715

Ion	Ratio	Lower	Upper
55	100		
85	47.9	35.2	52.8
113	44.2	36.6	55.0

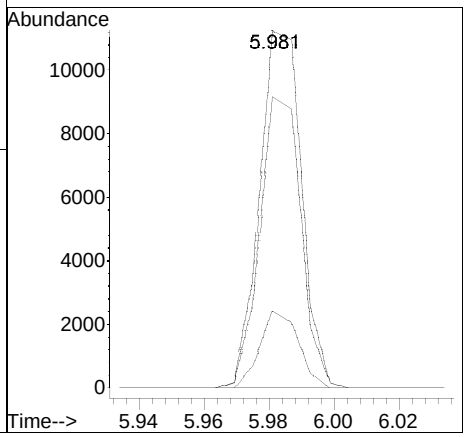


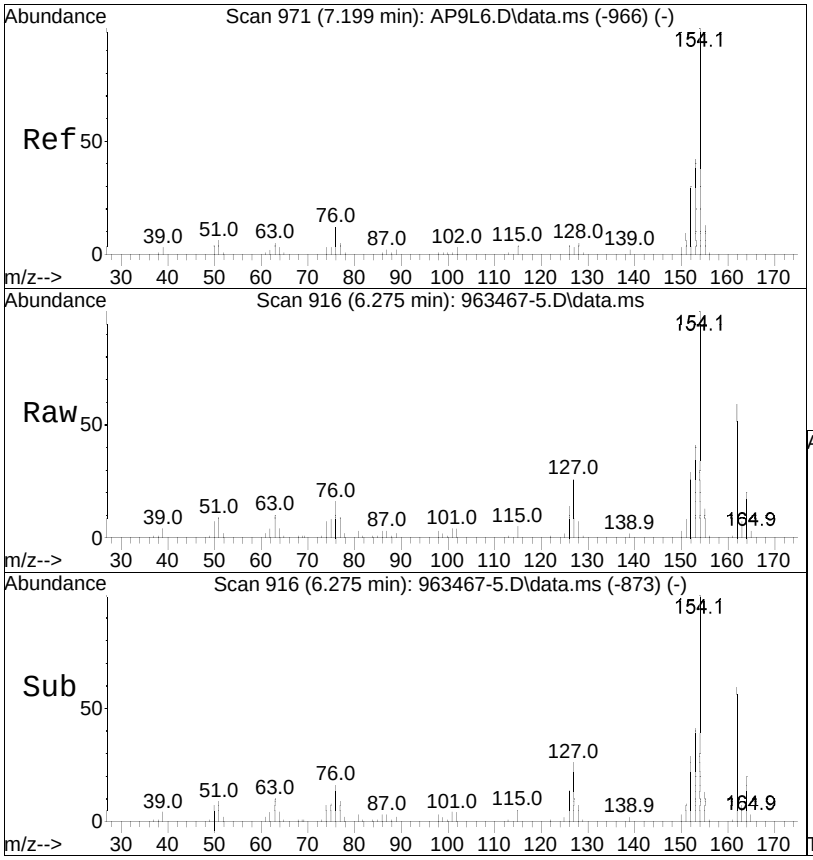


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.09 ug/ml
RT: 5.981 min Scan# 866
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:216 Resp: 10050

Ion	Ratio	Lower	Upper
216	100		
214	79.9	64.0	96.0
179	19.8	18.7	28.1

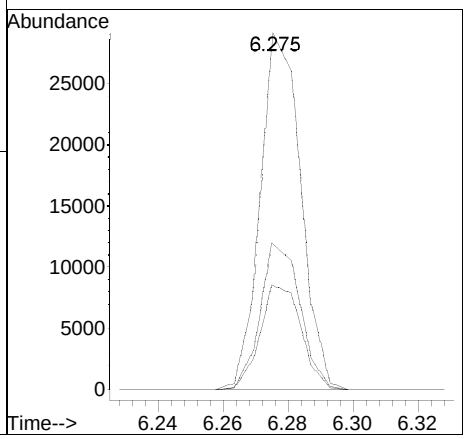


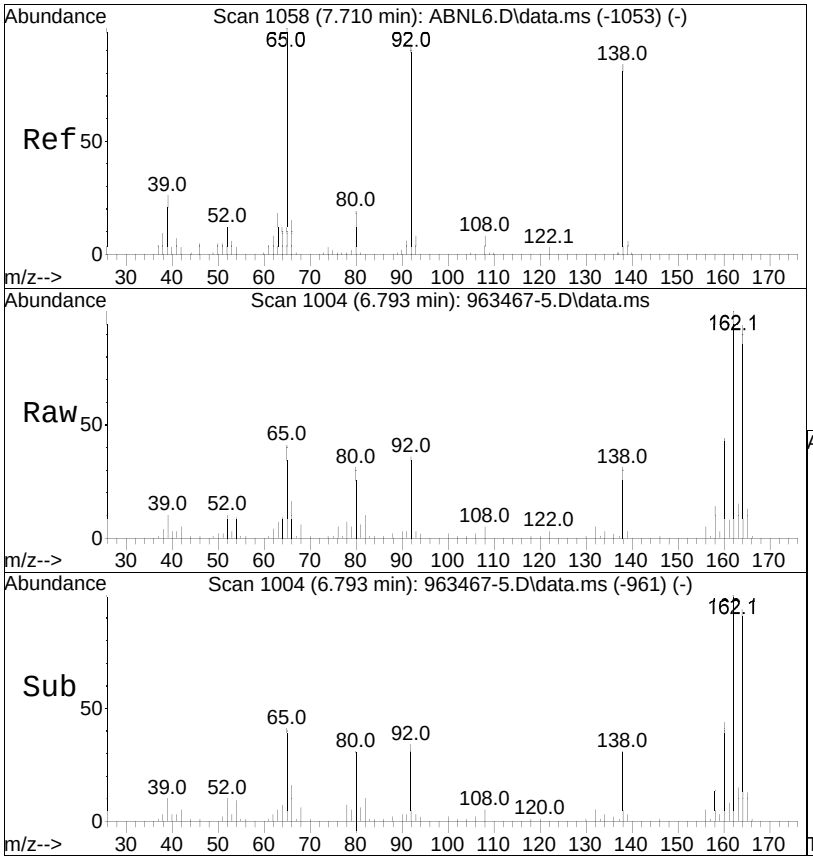


#62
Biphenyl
Concen: 1.27 ug/ml
RT: 6.275 min Scan# 916
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:154 Resp: 25066

Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.5	48.7
152	30.1	22.6	34.0

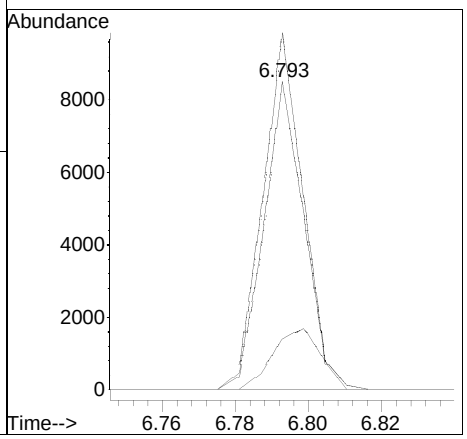


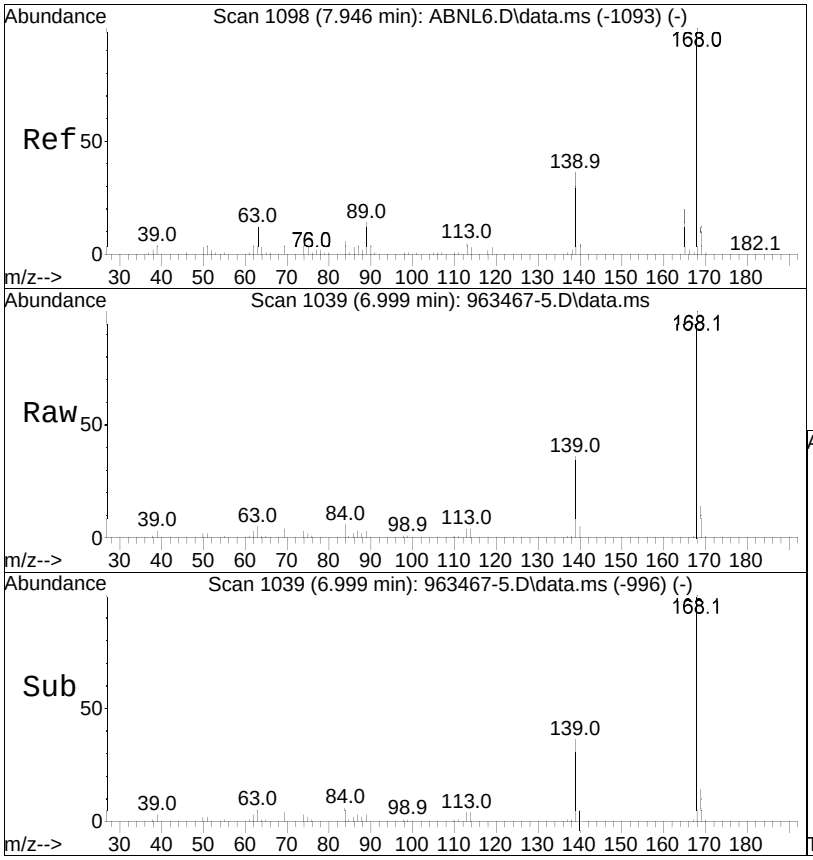


#64
3-Nitroaniline
Concen: 1.79 ug/ml
RT: 6.793 min Scan# 1004
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:138 Resp: 6387

Ion	Ratio	Lower	Upper
138	100		
92	116.9	92.8	139.2
108	24.5	7.9	11.9#

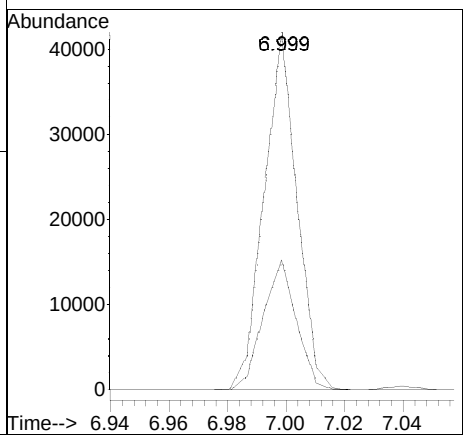


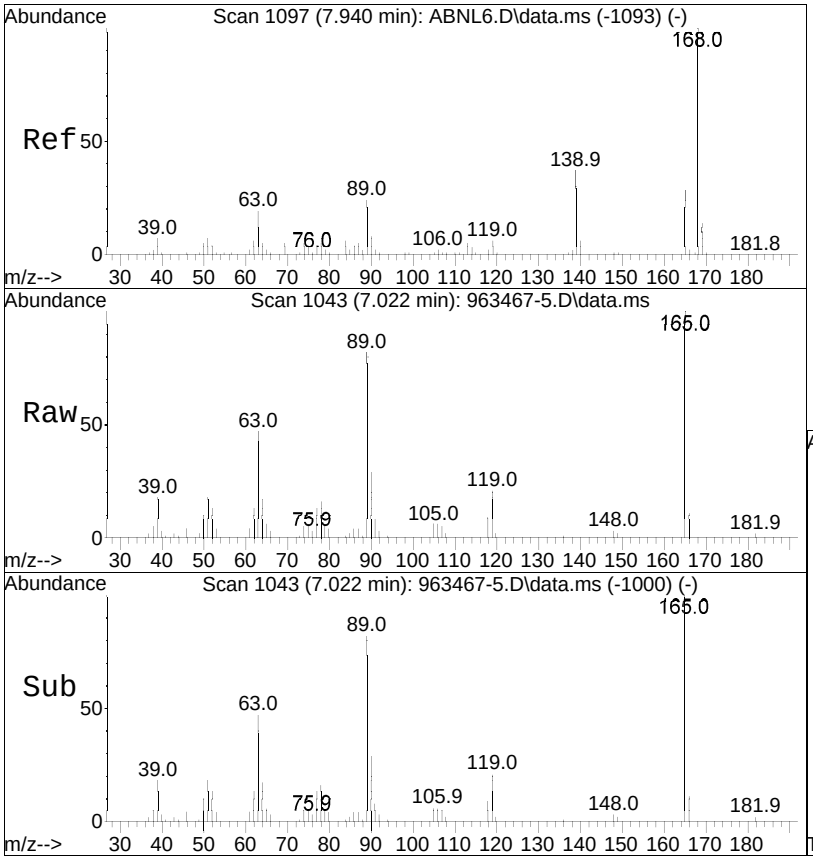


#67
Dibenzofuran
Concen: 1.47 ug/ml
RT: 6.999 min Scan# 1039
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:168 Resp: 32342

Ion	Ratio	Lower	Upper
168	100		
139	37.0	32.3	48.5

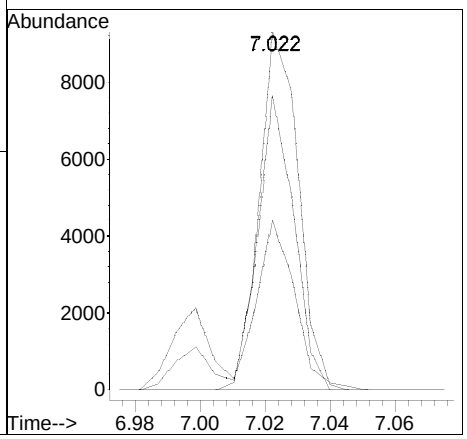


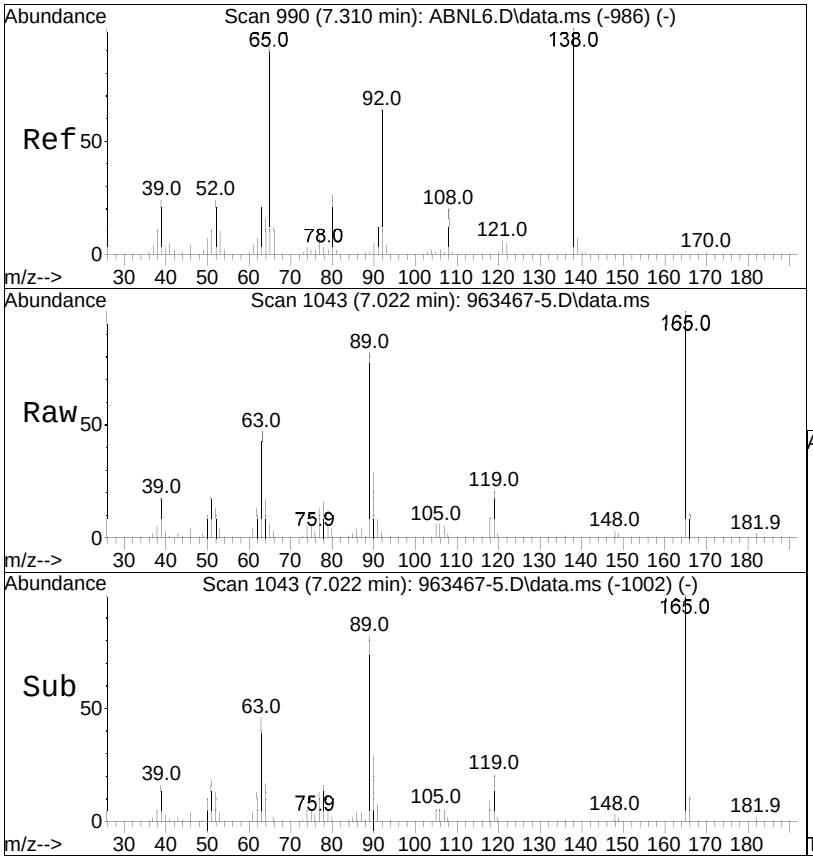


#68
2,4-Dinitrotoluene
Concen: 1.69 ug/ml
RT: 7.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:165 Resp: 7751

Ion	Ratio	Lower	Upper
165	100		
89	74.8	73.0	109.4
63	45.9	56.3	84.5#

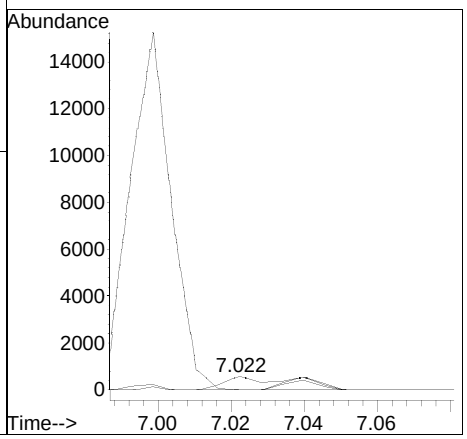


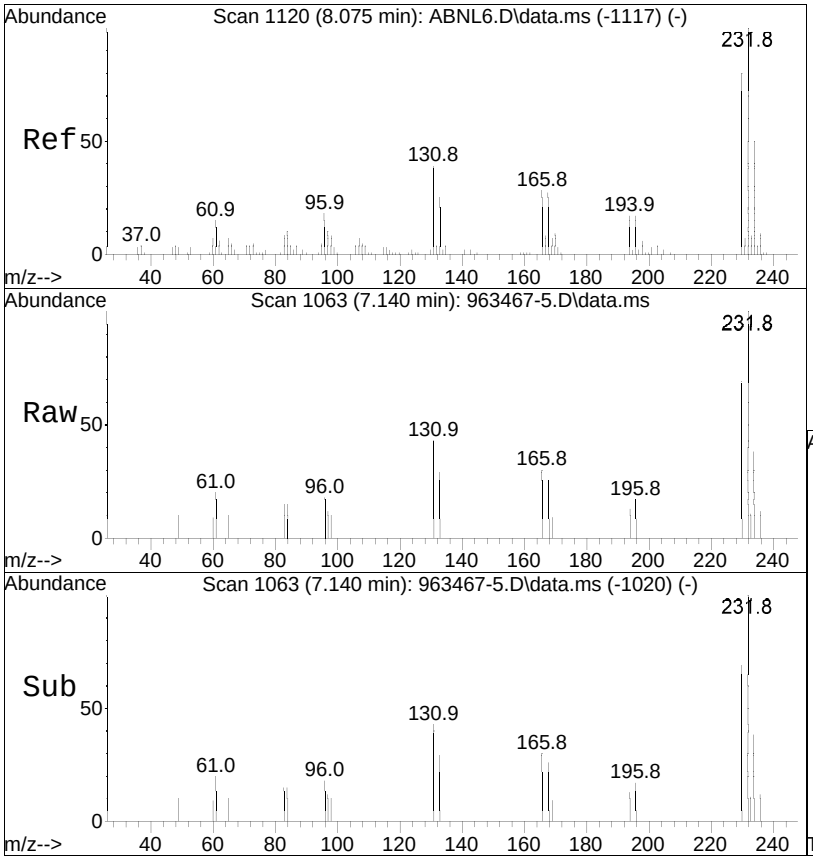


#69
4-Nitrophenol
Concen: 0.23 ug/ml
RT: 7.022 min Scan# 1043
Delta R.T. -0.012 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion: 65 Resp: 793

Ion	Ratio	Lower	Upper
65	100		
109	0.0	60.2	90.2#
139	1509.1	81.1	121.7#

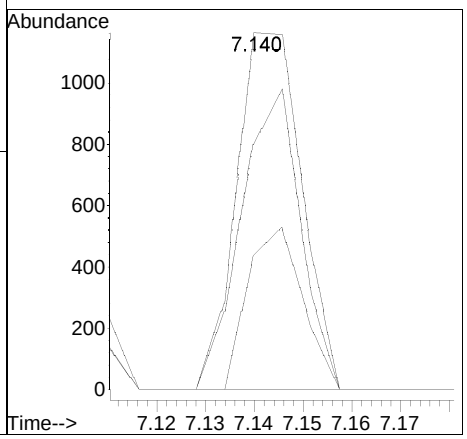


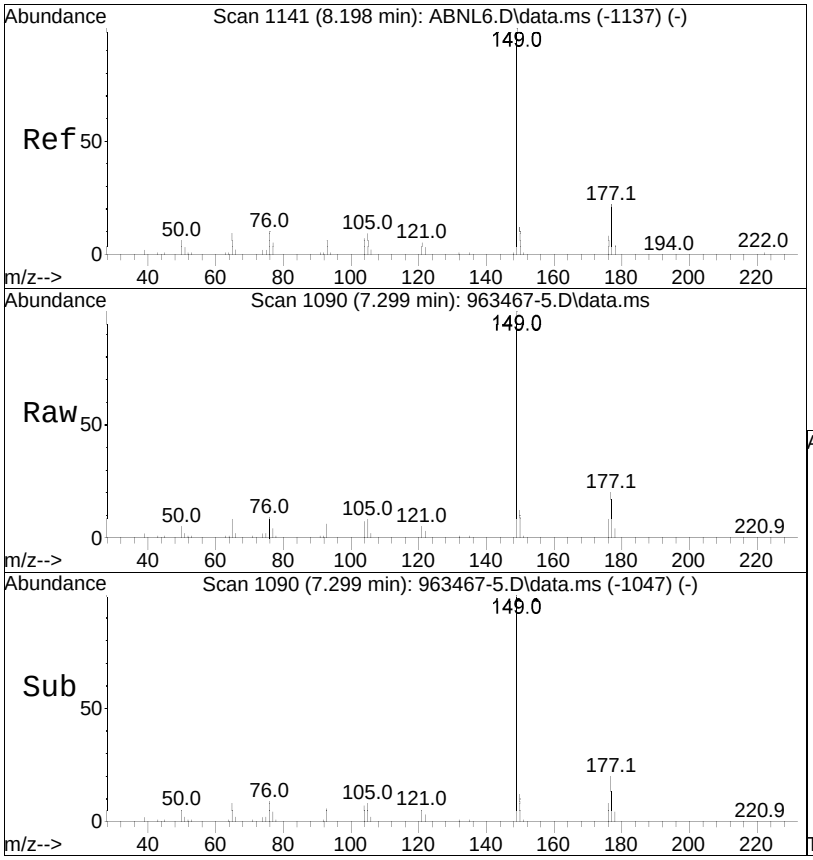


#71
2,3,4,6-Tetrachlorophenol
Concen: 0.24 ug/ml
RT: 7.140 min Scan# 1063
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:232 Resp: 1083

Ion	Ratio	Lower	Upper
232	100		
230	76.5	63.8	95.8
234	0.0	39.0	58.6#

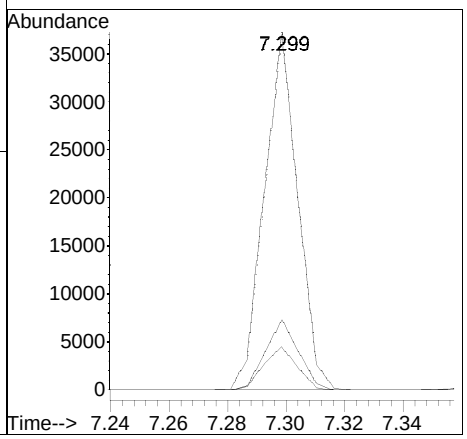


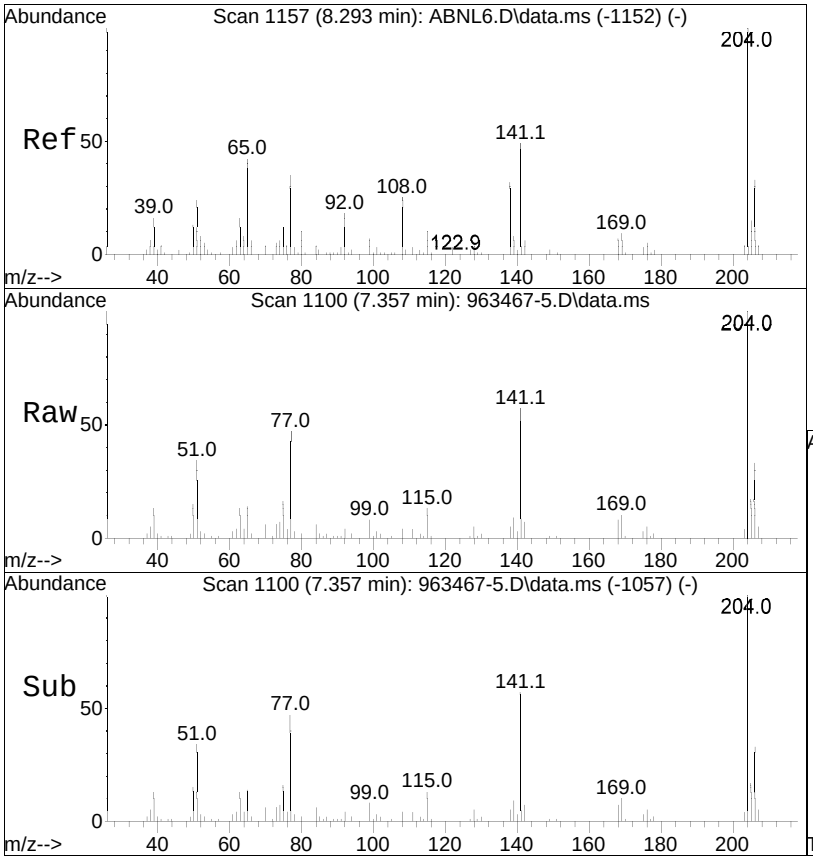


#72
Diethyl phthalate
Concen: 1.64 ug/ml
RT: 7.299 min Scan# 1090
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:149 Resp: 29177

Ion	Ratio	Lower	Upper
149	100		
177	19.5	15.0	22.6
150	12.3	9.8	14.6

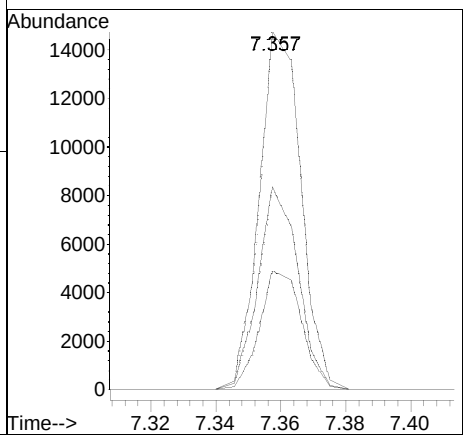


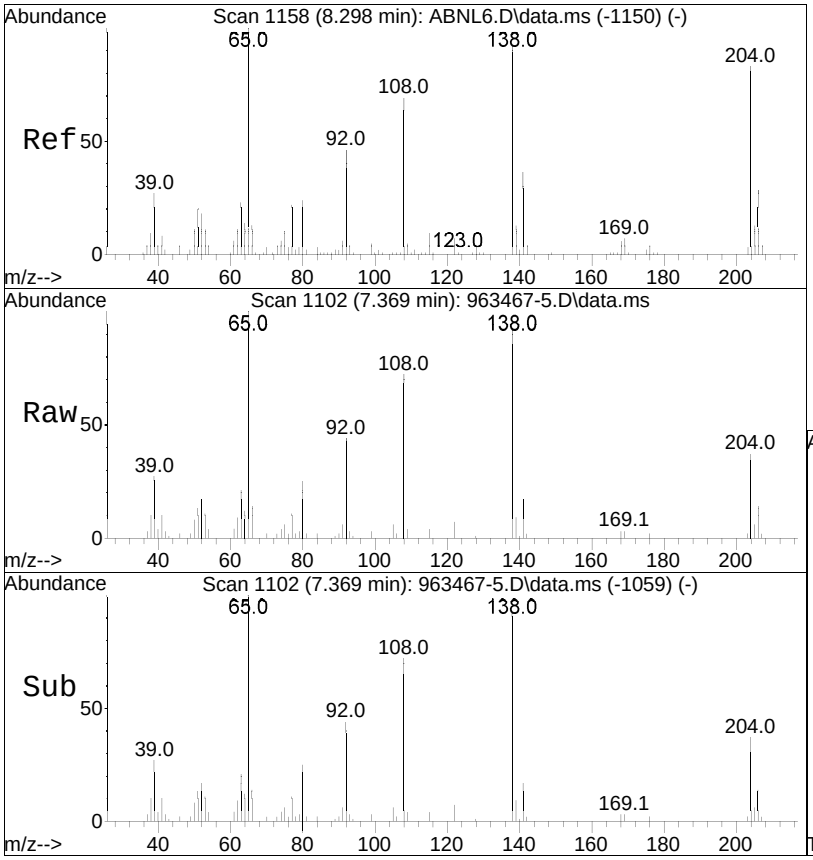


#74
4-Chlorophenyl phenyl ether
Concen: 1.40 ug/ml
RT: 7.357 min Scan# 1100
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:204 Resp: 13059

Ion	Ratio	Lower	Upper
204	100		
206	33.7	26.3	39.5
141	54.4	58.4	87.6#

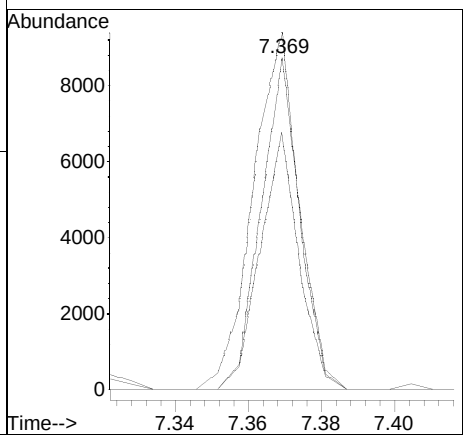


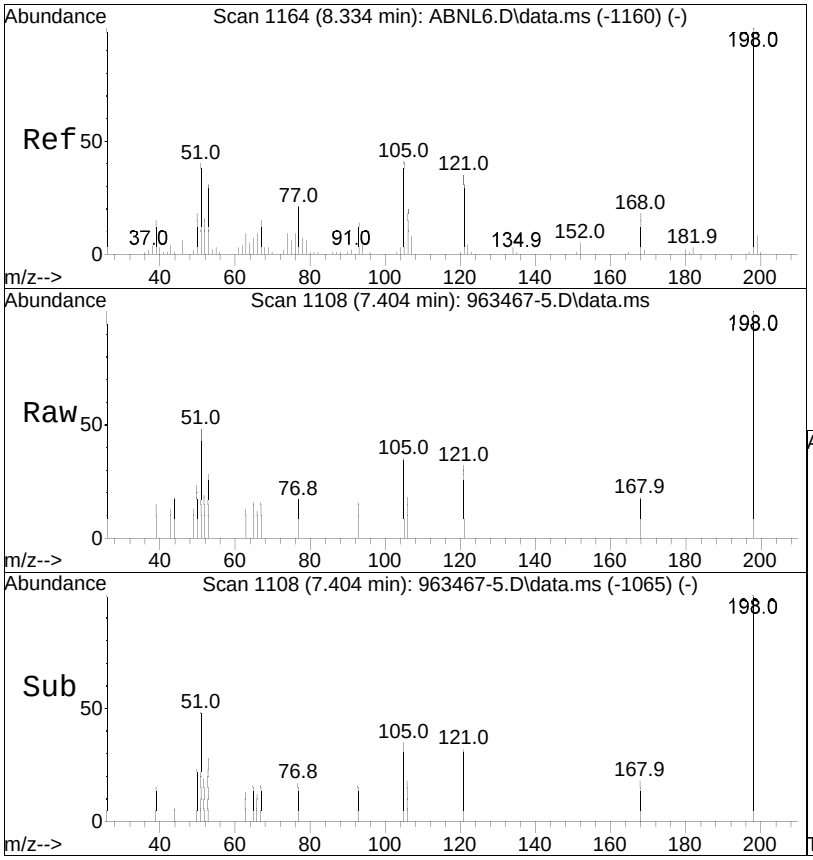


#75
4-Nitroaniline
Concen: 1.73 ug/ml
RT: 7.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:138 Resp: 6493

Ion	Ratio	Lower	Upper
138	100		
108	76.3	59.2	88.8
65	123.8	97.6	146.4

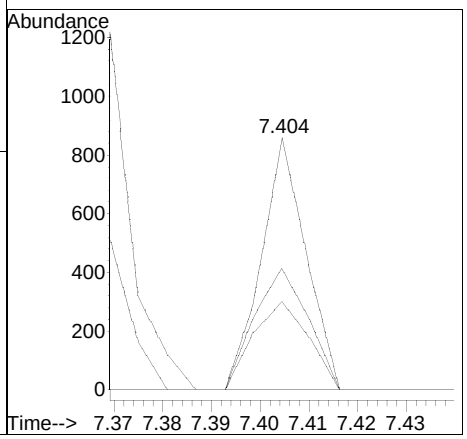


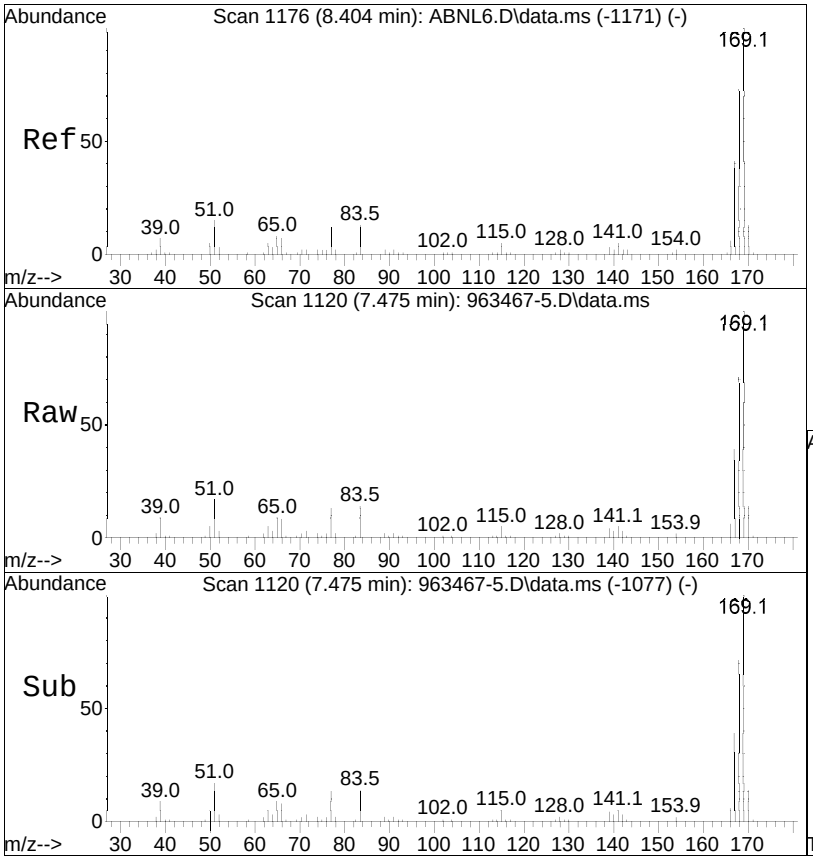


#76
4,6-Dinitro-o-cresol
Concen: 0.41 ug/ml
RT: 7.404 min Scan# 1108
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:198 Resp: 545

Ion	Ratio	Lower	Upper
198	100		
51	799.6	49.9	74.9#
105	96.5	45.8	68.6#

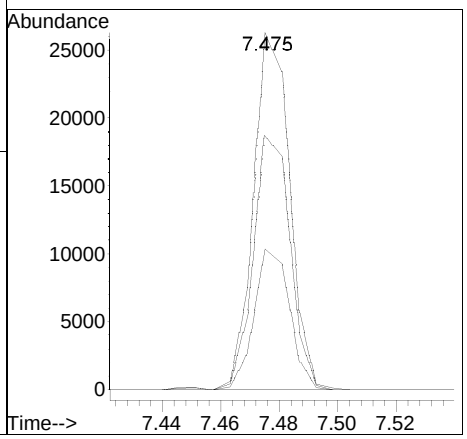


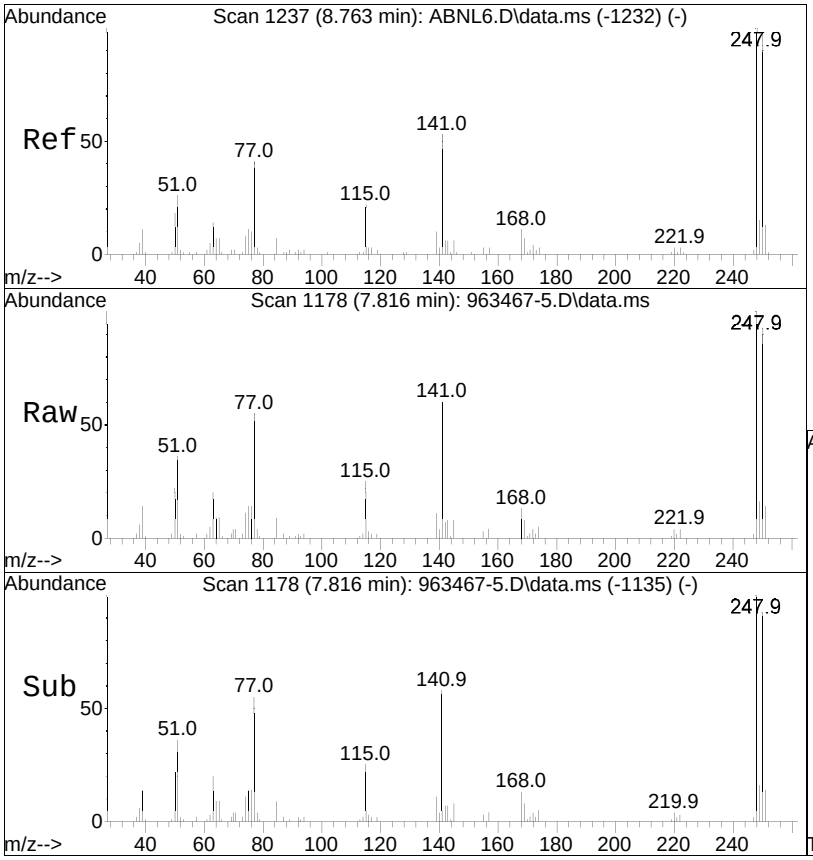


#77
NDPA/DPA
Concen: 1.54 ug/ml
RT: 7.475 min Scan# 1120
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:169 Resp: 22586

Ion	Ratio	Lower	Upper
169	100		
168	73.0	55.2	82.8
167	39.6	30.4	45.6

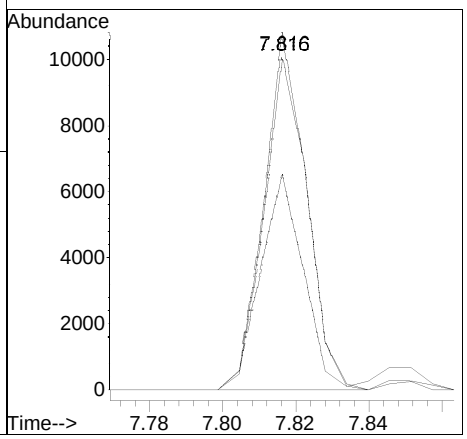


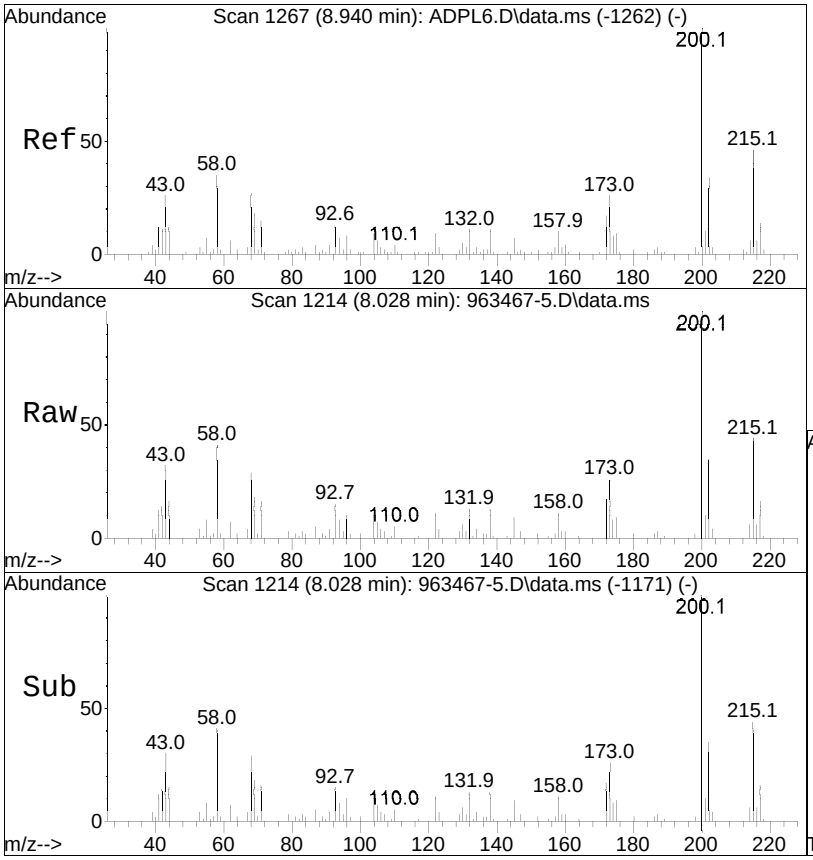


#80
4-Bromophenyl phenyl ether
Concen: 1.44 ug/ml
RT: 7.816 min Scan# 1178
Delta R.T. 0.000 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:248 Resp: 8604

Ion	Ratio	Lower	Upper
248	100		
141	61.5	74.6	111.8#
250	96.0	76.9	115.3

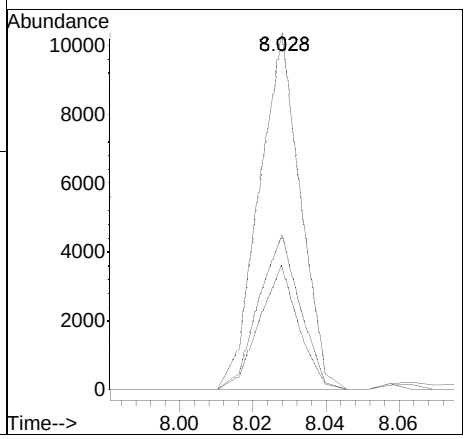


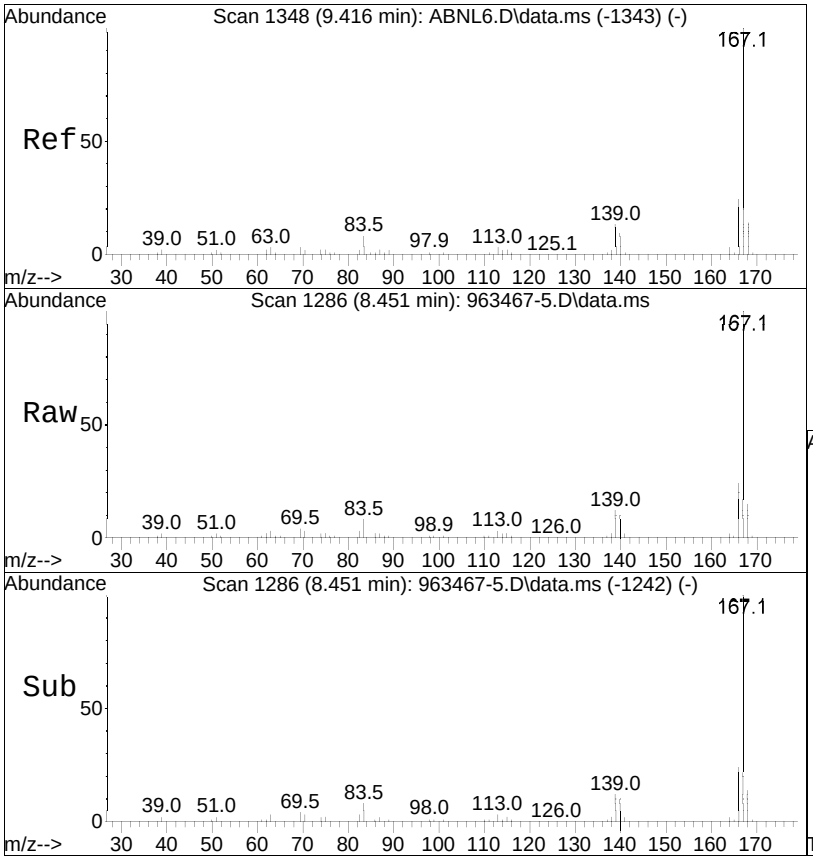


#87
Atrazine
Concen: 1.53 ug/ml
RT: 8.028 min Scan# 1214
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:200 Resp: 8079

Ion	Ratio	Lower	Upper
200	100		
202	33.2	25.0	37.6
215	43.6	34.5	51.7

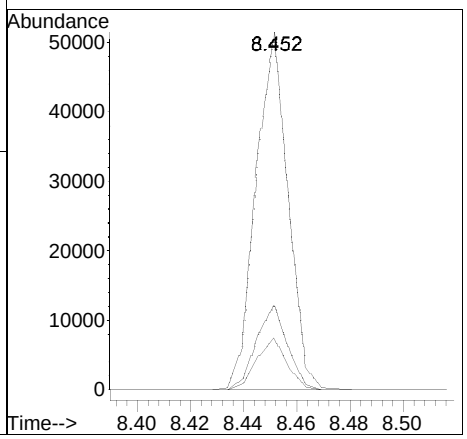


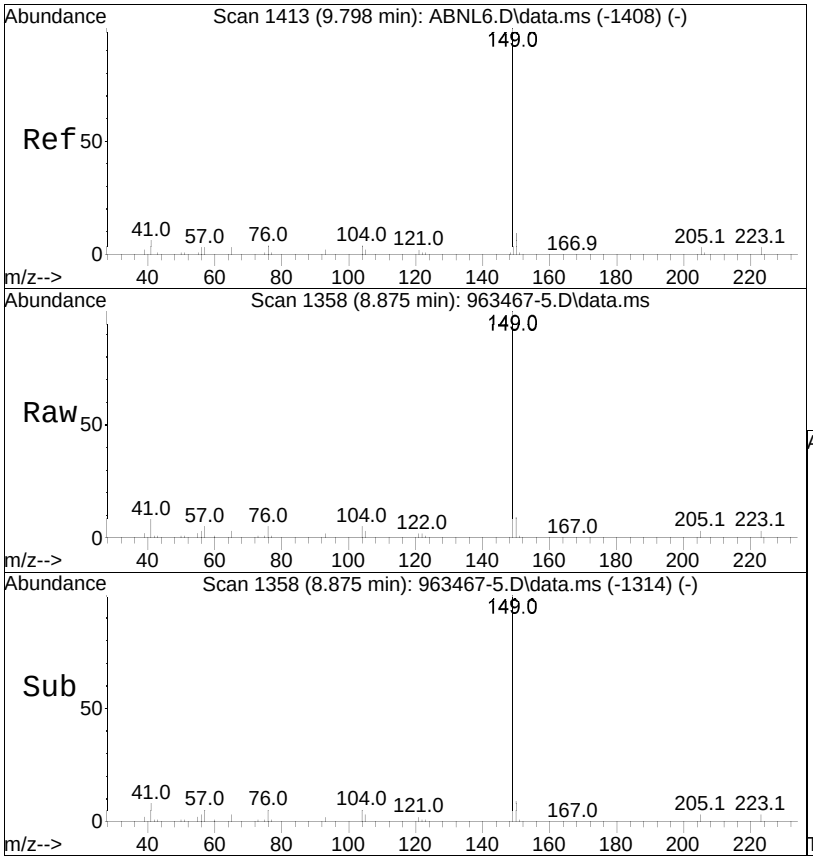


#91
Carbazole
Concen: 1.79 ug/ml
RT: 8.451 min Scan# 1286
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:167 Resp: 42703

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.8	16.2
166	23.1	17.7	26.5

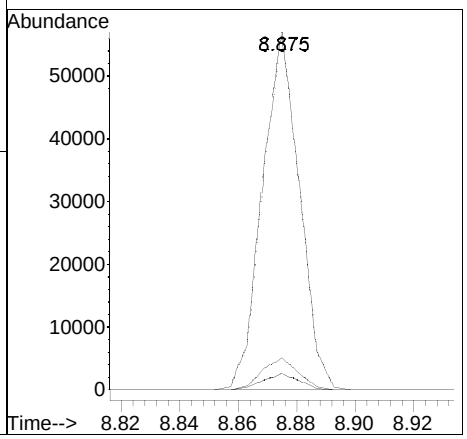


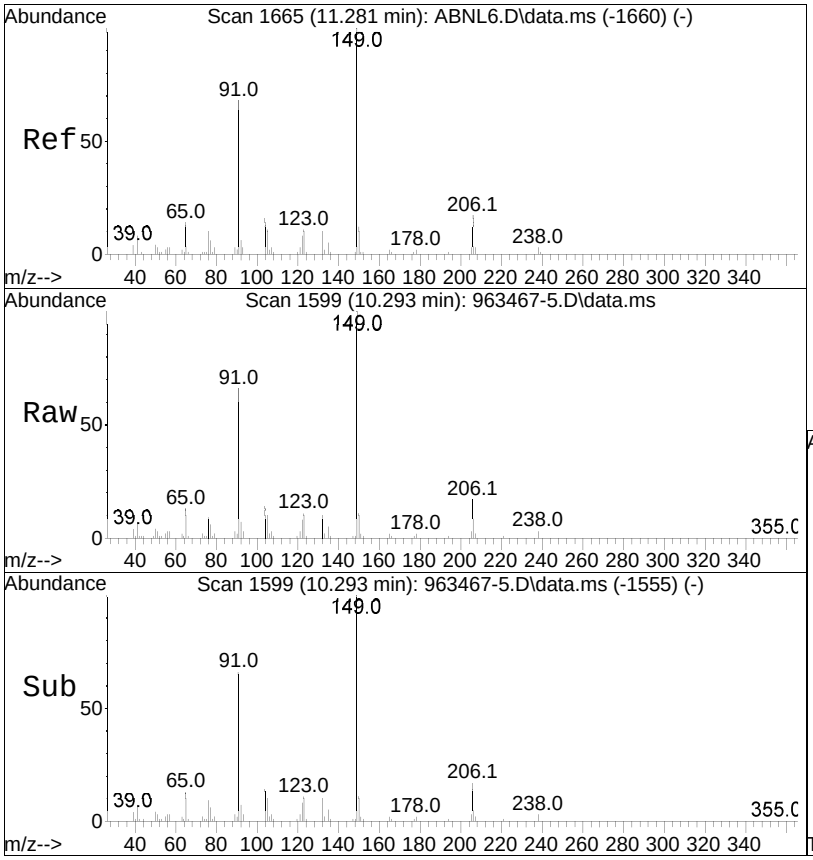


#92
Di-n-butylphthalate
Concen: 1.89 ug/ml
RT: 8.875 min Scan# 1358
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:149 Resp: 49358

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.5	4.0	6.0

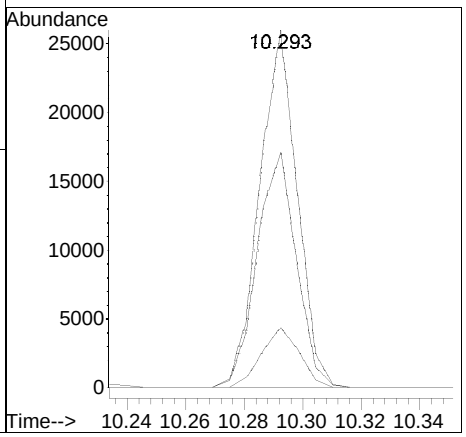


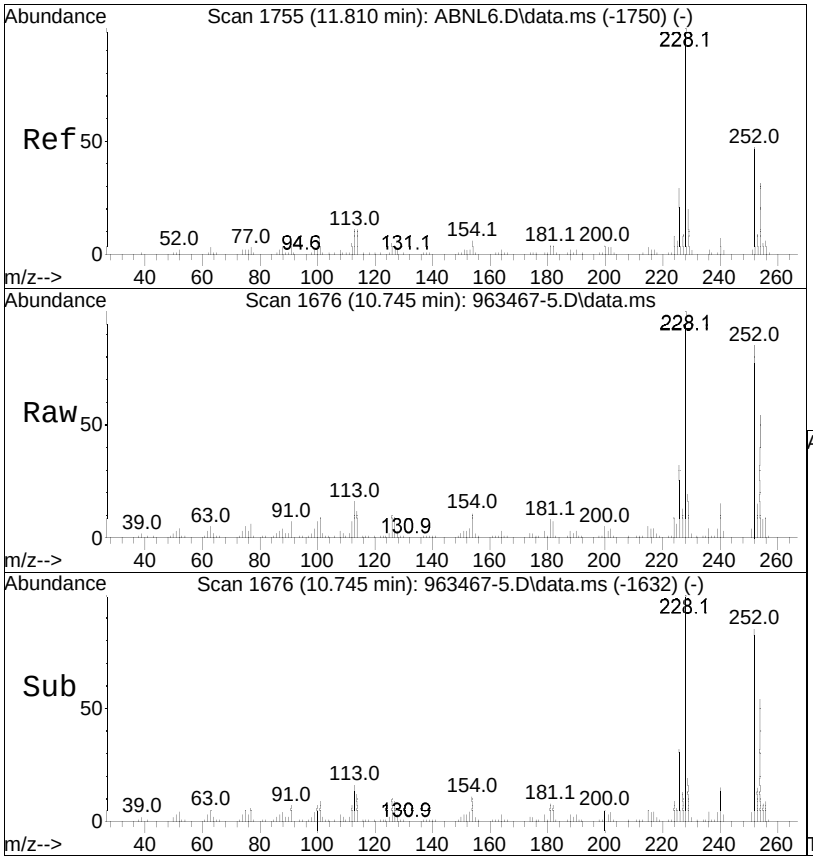


#97
Butyl benzyl phthalate
Concen: 1.99 ug/ml
RT: 10.293 min Scan# 1599
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:149 Resp: 22947

Ion	Ratio	Lower	Upper
149	100		
91	68.8	57.9	86.9
206	17.1	11.9	17.9

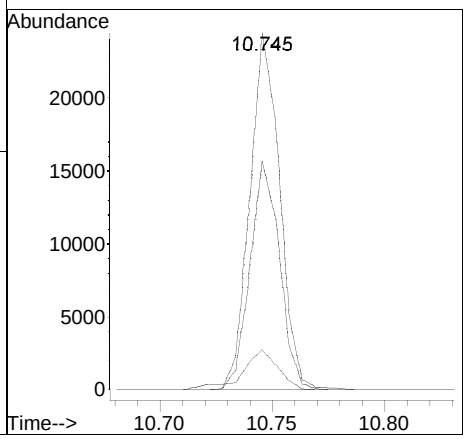


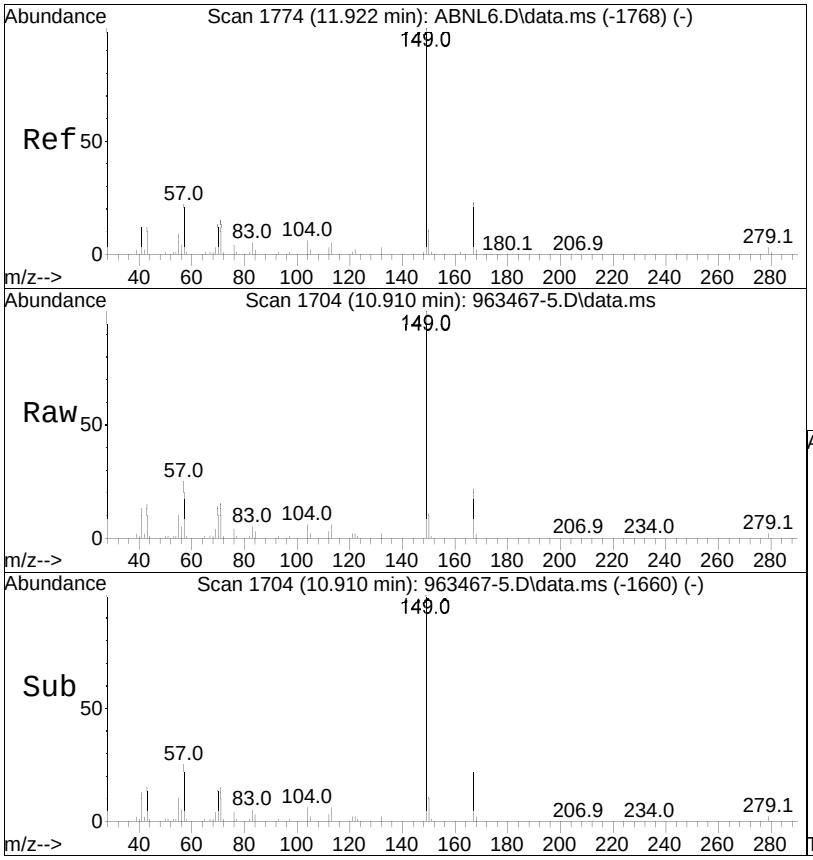


#106
3,3'-Dichlorobenzidine
Concen: 1.68 ug/ml
RT: 10.745 min Scan# 1676
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:252 Resp: 22531

Ion	Ratio	Lower	Upper
252	100		
126	13.6	12.6	19.0
254	63.2	51.1	76.7

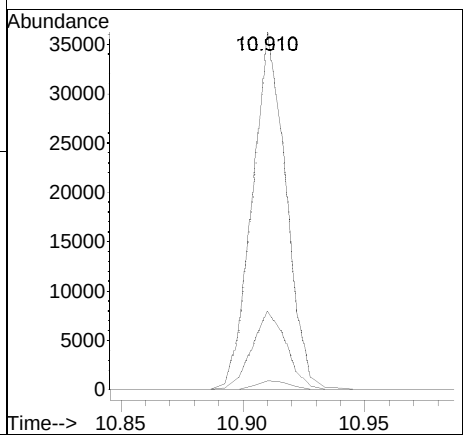


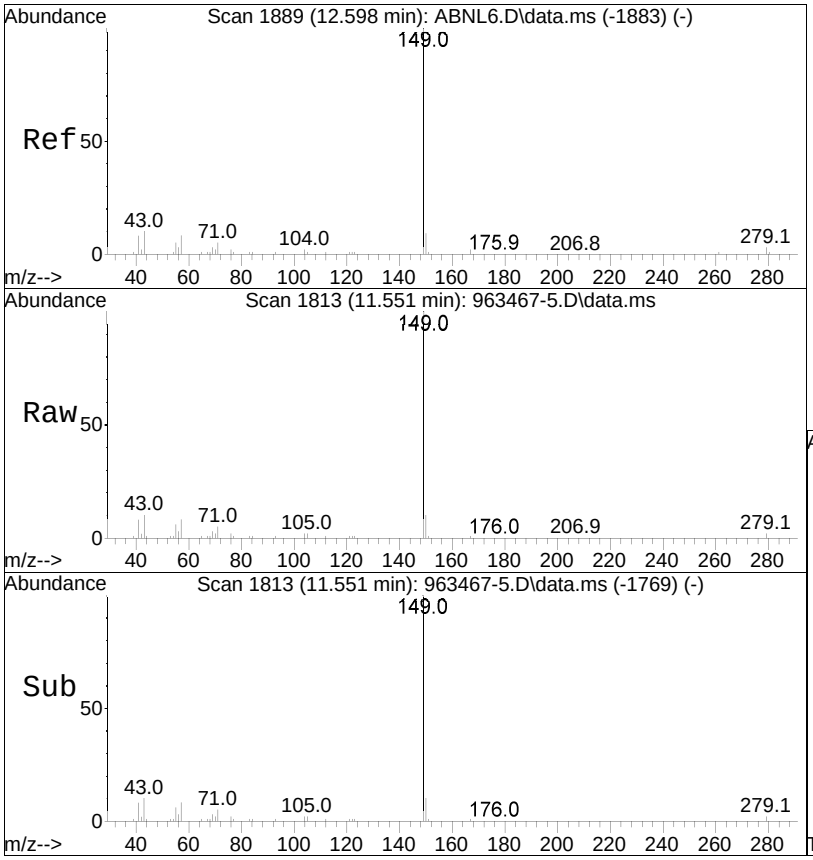


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.88 ug/ml
RT: 10.910 min Scan# 1704
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:149 Resp: 34439

Ion	Ratio	Lower	Upper
149	100		
167	22.4	18.4	27.6
279	2.2	1.7	2.5

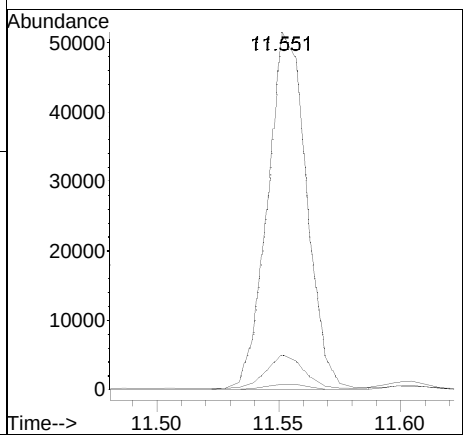




#109
Di-n-octylphthalate
Concen: 2.02 ug/ml
RT: 11.551 min Scan# 1813
Delta R.T. 0.006 min
Lab File: 963467-5.D
Acq: 26 Aug 2024 06:55 pm

Tgt Ion:149 Resp: 56784

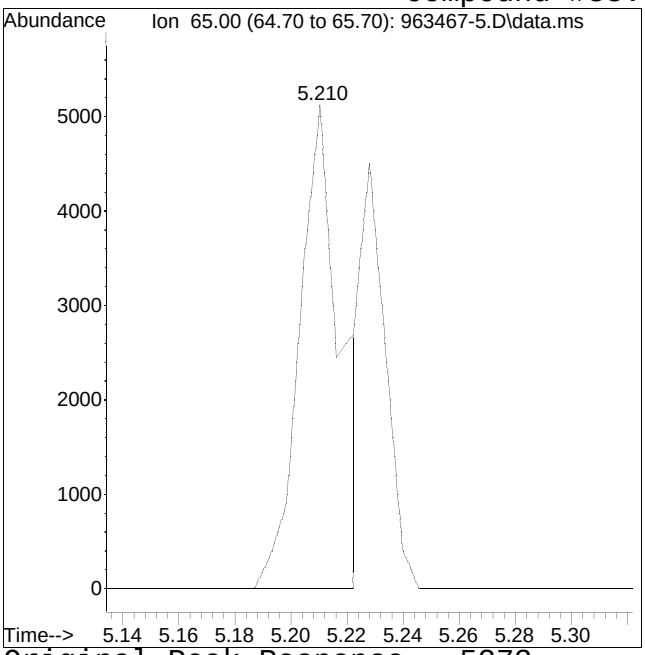
Ion	Ratio	Lower	Upper
149	100		
43	9.2	8.2	12.2
167	1.4	1.1	1.7

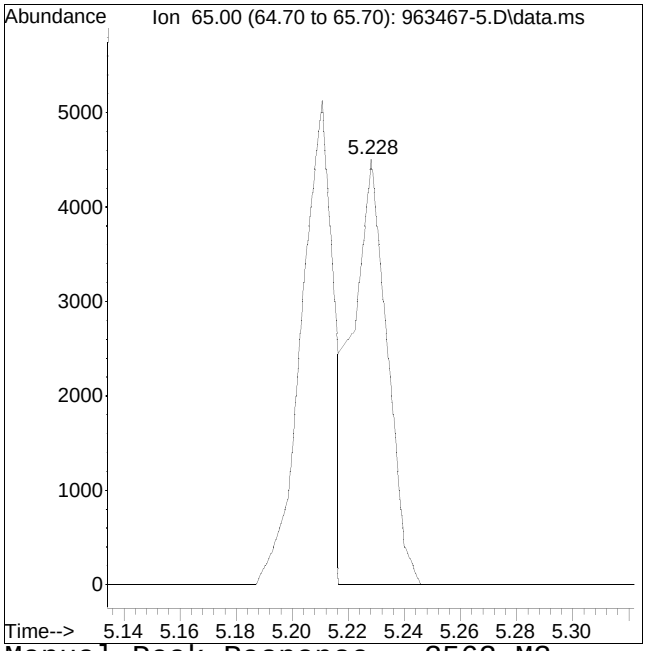


Manual Integration Report

Data Path	: I:\8270\SV112\240826RVT\	QMethod	: FS240625SV112RVT.m
Data File	: 963467-5.D	Operator	: SV112:jg
Date Inj'd	: 8/26/2024 6:55 pm	Instrument	: SV112
Sample	: WG1963467-5,32,,HNY	Quant Date	: 8/26/2024 7:14 pm

Compound #38: 4-Chloroaniline





Original Peak Response = 5273 Manual Peak Response = 3563 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 04:37 pm

Work Group: WG1963467 for Department: 2 Organic Preparation

Created: 24-AUG-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447470-01	MW-2A	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447470-02	MW-7A	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447501-01	GW-06-20240820	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447501-02	GW-07-20240820	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-01	MW-1S	C	NYTCL-8270-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-03	MW-3S	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-04	MW-4D	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-05	MW-5S	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-06	MW-6D	C	NYTCL-8270-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-07	MW-7S	C	NYTCL-8270-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-08	MW-8S	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-09	DUP	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-10	FIELD BLANK	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-11	EQUIPMENT BLANK	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-03	HRP-MW1-082024	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447507-01	MAHWAH RO-TYPE II	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	NC	Amber-A.1
WG1963467-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1963467-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1963467-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1963467-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1963467-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG1963467-3	WG1963467-2
WG1963467-4	L2447503-07
WG1963467-5	L2447503-07

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 04:37 pm

Work Group: WG1964120 for Department: 2 Organic Preparation

Created: 26-AUG-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-02	MW-2S	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-01	HRP-MW3-082024	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-02	HRP-MW5A-082024	C	NYTCL-8270-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447813-01	HRP-MW-5B 082124	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-02	MW-21A 082124	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-03	MW-21B 082124	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-04	MW-19A 082124	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-05	MW-19B 082124	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-01	MW-3A	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-06	MW-7B	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-07	MW-7C	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-08	MW-8A	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-09	MW-8B	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-10	MW-8C2	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-11	MW-9B	C	NYTCL-8270-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
WG1964120-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1964120-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG1964120-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG1964120-3 WG1964120-2

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\Dakota\240618ical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT.M	Tune Lot#10812	WG1938219,,	6/18/2024 11:59 am
2	ABNL9.D	ABNRVT.M	IL2,32,,ABNL50 Lot# 107	WG1938219,,	6/18/2024 12:22 pm
3	ABNL8.D	ABNRVT.M	IL3,32,,ABNL25 Lot# 107	WG1938219,,	6/18/2024 12:45 pm
4	ABNL7.D	ABNRVT.M	IL4,32,,ABNL10 Lot# 107	WG1938219,,	6/18/2024 1:07 pm
5	ABNL6.D	ABNRVT.M	IL5,32,,ABNL5 Lot# 1078	WG1938219,,	6/18/2024 1:30 pm
6	ABNL5.D	ABNRVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1938219,,	6/18/2024 1:52 pm
7	ABNL4.D	ABNRVT.M	IL7,32,,ABNL1 Lot# 1078	WG1938219,,	6/18/2024 2:15 pm
8	ABNL3.D	ABNRVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1938219,,	6/18/2024 2:38 pm
9	ABNL2.D	ABNRVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1938219,,	6/18/2024 3:00 pm
10	ABNL1.D	ABNRVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1938219,,	6/18/2024 3:23 pm
11	AP9L9.D	ABNRVT.M	IL2,32,,AP9L50 Lot# 107	WG1938219,,	6/18/2024 3:46 pm
12	AP9L8.D	ABNRVT.M	IL3,32,,AP9L25 Lot# 107	WG1938219,,	6/18/2024 4:08 pm
13	AP9L7.D	ABNRVT.M	IL4,32,,AP9L10 Lot# 107	WG1938219,,	6/18/2024 4:31 pm
14	AP9L6.D	ABNRVT.M	IL5,32,,AP9L5 Lot# 1079	WG1938219,,	6/18/2024 4:54 pm
15	AP9L5.D	ABNRVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1938219,,	6/18/2024 5:16 pm
16	AP9L4.D	ABNRVT.M	IL7,32,,AP9L1 Lot# 1079	WG1938219,,	6/18/2024 5:39 pm
17	AP9L3.D	ABNRVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1938219,,	6/18/2024 6:02 pm
18	AP9L2.D	ABNRVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1938219,,	6/18/2024 6:24 pm
19	AP9L1.D	ABNRVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1938219,,	6/18/2024 6:47 pm
20	ABNICV.D	ABNRVT.M	CQICV1,32,,ABNICV Lot#	WG1938219,,	6/18/2024 7:10 pm
21	Tune2.D	ABNRVT.M	Tune Lot#10812	WG1938219,,	6/18/2024 8:19 pm
22	AP9ICV.D	ABNRVT.M	CQICV2,32,,AP9ICV Lot#	WG1938219,,	6/18/2024 8:41 pm
23	ADPL9.D	ABNRVT.M	IL2,32,,ADPL50 Lot# 107	WG1938219,,	6/18/2024 9:04 pm
24	ADPL8.D	ABNRVT.M	IL3,32,,ADPL25 Lot# 107	WG1938219,,	6/18/2024 9:26 pm
25	ADPL7.D	ABNRVT.M	IL4,32,,ADPL10 Lot# 107	WG1938219,,	6/18/2024 9:49 pm
26	ADPL6.D	ABNRVT.M	IL5,32,,ADPL5 Lot# 1079	WG1938219,,	6/18/2024 10:11 pm
27	ADPL5.D	ABNRVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1938219,,	6/18/2024 10:34 pm
28	ADPL4.D	ABNRVT.M	IL7,32,,ADPL1 Lot# 1080	WG1938219,,	6/18/2024 10:56 pm
29	ADPL3.D	ABNRVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1938219,,	6/18/2024 11:19 pm
30	ADPL2.D	ABNRVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1938219,,	6/18/2024 11:41 pm
31	Blank.D	ABNRVT.M	Instrument Blank	WG1938219,,	6/19/2024 12:48 am
32	ADPICV.D	ABNRVT.M	CQICV3,32,,ADPICV Lot#	WG1938219,,	6/19/2024 12:26 am
33	ADPL1.D	ABNRVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1938219,,	6/19/2024 12:04 am

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV106\240624RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT.M	Tune1 Lot# 10853	WG1939040	6/24/2024 4:32 pm
2	ABNL9.D	ABNRVT.M	IL2,32,,ABNL50 Lot# 107	WG1939040	6/24/2024 4:56 pm
3	ABNL8.D	ABNRVT.M	IL3,32,,ABNL25 Lot# 107	WG1939040	6/24/2024 5:20 pm
4	ABNL7.D	ABNRVT.M	IL4,32,,ABNL10 Lot# 107	WG1939040	6/24/2024 5:43 pm
5	ABNL6.D	ABNRVT.M	IL5,32,,ABNL5 Lot# 1078	WG1939040	6/24/2024 6:07 pm
6	ABNL5.D	ABNRVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1939040	6/24/2024 6:31 pm
7	ABNL4.D	ABNRVT.M	IL7,32,,ABNL1 Lot# 1078	WG1939040	6/24/2024 6:54 pm
8	ABNL3.D	ABNRVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1939040	6/24/2024 7:18 pm
9	ABNL2.D	ABNRVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1939040	6/24/2024 7:42 pm
10	ABNL1.D	ABNRVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1939040,,	6/24/2024 8:05 pm
11	AP9L9.D	ABNRVT.M	IL2,32,,AP9L50 Lot# 107	WG1939040	6/24/2024 8:29 pm
12	AP9L8.D	ABNRVT.M	IL3,32,,AP9L25 Lot# 107	WG1939040	6/24/2024 8:53 pm
13	AP9L7.D	ABNRVT.M	IL4,32,,AP9L10 Lot# 107	WG1939040	6/24/2024 9:16 pm
14	AP9L6.D	ABNRVT.M	IL5,32,,AP9L5 Lot# 1079	WG1939040	6/24/2024 9:40 pm
15	AP9L5.D	ABNRVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1939040	6/24/2024 10:04 pm
16	AP9L4.D	ABNRVT.M	IL7,32,,AP9L1 Lot# 1079	WG1939040	6/24/2024 10:28 pm
17	AP9L3.D	ABNRVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1939040	6/24/2024 10:52 pm
18	AP9L2.D	ABNRVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1939040	6/24/2024 11:15 pm
19	AP9L1.D	ABNRVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1939040	6/24/2024 11:39 pm
20	ABNICV.D	ABNRVT.M	CQICV1,32,,ABNICV Lot#	WG1939040,,ical	6/25/2024 12:03 am
21	AP9ICV.D	ABNRVT.M	CQICV2,32,,AP9ICV Lot#	WG1939040	6/25/2024 12:27 am
22	Tune2.D	ABNRVT.M	Tune2 Lot# 10853	WG1939040	6/25/2024 12:51 am
23	ADPL9.D	ABNRVT.M	IL2,32,,ADPL50 Lot# 107	WG1939040	6/25/2024 1:14 am
24	ADPL8.D	ABNRVT.M	IL3,32,,ADPL25 Lot# 107	WG1939040	6/25/2024 1:38 am
25	ADPL7.D	ABNRVT.M	IL4,32,,ADPL10 Lot# 107	WG1939040	6/25/2024 2:02 am
26	ADPL6.D	ABNRVT.M	IL5,32,,ADPL5 Lot# 1079	WG1939040	6/25/2024 2:26 am
27	ADPL5.D	ABNRVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1939040	6/25/2024 2:49 am
28	ADPL4.D	ABNRVT.M	IL7,32,,ADPL1 Lot# 1080	WG1939040	6/25/2024 3:13 am
29	ADPL3.D	ABNRVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1939040	6/25/2024 3:37 am
30	ADPL2.D	ABNRVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1939040	6/25/2024 4:01 am
31	ADPL1.D	ABNRVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1939040	6/25/2024 4:24 am
32	ADPICV.D	ABNRVT.M	CQICV3,32,,ADPICV Lot#	WG1939040	6/25/2024 4:48 am
33	Blank1.D	ABNRVT.M	LVI Instrument Blank	wg,,ical	6/25/2024 5:12 am

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV112\240625RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	8270RVT.M	Tune Lot#10853	WG1939943	6/25/2024 7:55 pm
2	ABNL9.D	8270RVT.M	IL2,32,,ABNL50 Lot# 107	WG1939943	6/25/2024 8:18 pm
3	ABNL8.D	8270RVT.M	IL3,32,,ABNL25 Lot# 107	WG1939943	6/25/2024 8:41 pm
4	ABNL7.D	8270RVT.M	IL4,32,,ABNL10 Lot# 107	WG1939943	6/25/2024 9:04 pm
5	ABNL6.D	8270RVT.M	IL5,32,,ABNL5 Lot# 1078	WG1939943	6/25/2024 9:27 pm
6	ABNL5.D	8270RVT.M	IL6,32,,ABNL2.5 Lot# 10	WG1939943	6/25/2024 9:50 pm
7	ABNL4.D	8270RVT.M	IL7,32,,ABNL1 Lot# 1078	WG1939943	6/25/2024 10:14 pm
8	ABNL3.D	8270RVT.M	IL8,32,,ABNL0.5 Lot# 10	WG1939943	6/25/2024 10:37 pm
9	ABNL2.D	8270RVT.M	IL9,32,,ABNL0.2 Lot# 10	WG1939943	6/25/2024 11:00 pm
10	ABNL1.D	8270RVT.M	IL10,32,,ABNL0.1 Lot# 1	WG1939943	6/25/2024 11:23 pm
11	AP9L9.D	8270RVT.M	IL2,32,,AP9L50 Lot# 107	WG1939943	6/25/2024 11:47 pm
12	AP9L8.D	8270RVT.M	IL3,32,,AP9L25 Lot# 107	WG1939943	6/26/2024 12:10 am
13	AP9L6.D	8270RVT.M	IL5,32,,AP9L5 Lot# 1079	WG1939943	6/26/2024 12:56 am
14	AP9L7.D	8270RVT.M	IL4,32,,AP9L10 Lot# 107	WG1939943	6/26/2024 12:33 am
15	AP9L5.D	8270RVT.M	IL6,32,,AP9L2.5 Lot# 10	WG1939943	6/26/2024 1:19 am
16	AP9L4.D	8270RVT.M	IL7,32,,AP9L1 Lot# 1079	WG1939943	6/26/2024 1:43 am
17	AP9L3.D	8270RVT.M	IL8,32,,AP9L0.5 Lot# 10	WG1939943	6/26/2024 2:06 am
18	AP9L2.D	8270RVT.M	IL9,32,,AP9L0.2 Lot# 10	WG1939943	6/26/2024 2:29 am
19	AP9L1.D	8270RVT.M	IL10,32,,AP9L0.1 Lot# 1	WG1939943	6/26/2024 2:52 am
20	ABNICV.D	8270RVT.M	CQICV1,32,,ABNICV Lot#	WG1939943	6/26/2024 3:16 am
21	AP9ICV.D	8270RVT.M	CQICV2,32,,AP9ICV Lot#	WG1939943	6/26/2024 3:39 am
22	Tune2.D	8270RVT.M	Tune Lot#10853	WG1939943	6/26/2024 4:02 am
23	ADPL9.D	8270RVT.M	IL2,32,,ADPL50 Lot# 107	WG1939943	6/26/2024 4:25 am
24	ADPL8.D	8270RVT.M	IL3,32,,ADPL25 Lot# 107	WG1939943	6/26/2024 4:48 am
25	ADPL7.D	8270RVT.M	IL4,32,,ADPL10 Lot# 107	WG1939943	6/26/2024 5:11 am
26	ADPL6.D	8270RVT.M	IL5,32,,ADPL5 Lot# 1079	WG1939943	6/26/2024 5:35 am
27	ADPL5.D	8270RVT.M	IL6,32,,ADPL2.5 Lot# 10	WG1939943	6/26/2024 5:58 am
28	ADPL4.D	8270RVT.M	IL7,32,,ADPL1 Lot# 1080	WG1939943	6/26/2024 6:21 am
29	ADPL3.D	8270RVT.M	IL8,32,,ADPL0.5 Lot# 10	WG1939943	6/26/2024 6:44 am
30	ADPL2.D	8270RVT.M	IL9,32,,ADPL0.2 Lot# 10	WG1939943	6/26/2024 7:08 am
31	ADPL1.D	8270RVT.M	IL10,32,,ADPL0.1 Lot# 1	WG1939943	6/26/2024 7:31 am
32	ADPICV.D	8270RVT.M	CQICV3,32,,ADPICV Lot#	WG1939943	6/26/2024 7:54 am
33	Blank.D	8270RVT.M	Instrument Blank	WG1939943	6/26/2024 8:18 am

Dep.: GCMS
Inst: Dakota
Date: **08/25/24**
Run: **A**

Method
GC: ABNRVT

Seq: **WG1963655**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
100	DEG0825	wg-1,32,,Degdftpp Lot # 10985				8/26 mrg
96	ABN0825	wg-3,32,,ABN 10908 mrg0825A	**Passes Full List**			8/26 mrg
97	AP90825	wg-4,32,,AP9 10909 mrg0825A	Actually ABN, RR		mrg	
98	ADP0825	wg-5,32,,ADP 10751 kmh0802B				8/26 mrg
97	AP90825a	wg-4,32,,AP9 10909 kmh0802C				8/26 mrg
1	963562-1	WG1963562-1,32,,mrg	QC failure, RX		mrg	
2	963562-2	WG1963562-2,32,,mrg	No Spike RX		mrg	
3	963562-3	WG1963562-3,32,,mrg	No Spike RX		mrg	
4	963467-1	WG1963467-1,32,,mrg				8/26 mrg
5	963467-2	WG1963467-2,32,,mrg				8/26 mrg
6	963467-3	WG1963467-3,32,,mrg				8/26 mrg
7	47129-01	L2447129-01,32,,mrg	QC failure, RX		mrg	
8	47129-02	L2447129-02,32,,mrg	QC failure, RX		mrg	
9	47129-03	L2447129-03,32,,mrg	QC failure, RX		mrg	
10	47129-04	L2447129-04,32,,mrg	QC failure, RX		mrg	
11	47129-05	L2447129-05,32,,mrg	QC failure, RX		mrg	
12	47129-06	L2447129-06,32,,mrg	QC failure, RX		mrg	
13	47129-07	L2447129-07,32,,mrg	QC failure, RX		mrg	
14	47129-08	L2447129-08,32,,mrg	QC failure, RX		mrg	
15	47129-09	L2447129-09,32,,mrg	QC failure, RX		mrg	
16	47470-01	L2447470-01,32,,mrg				8/26 mrg
17	47470-02	L2447470-02,32,,mrg				8/26 mrg
18	47470-03	L2447470-03,32,,mrg	No acid surr, RX			8/26 mrg
19	47501-01	L2447501-01,32,,mrg				8/26 mrg
20	47501-02	L2447501-02,32,,mrg				8/26 mrg
21	47177-04	L2447177-04,32,,mrg				8/26 mrg
22	47498-24	L2447498-24,32,,mrg				8/26 mrg
23	091-01d1	L2448091-01d,32,10,M,FV=4,mrg	Water in sample, RV		mrg	
24	22662-119	L2422662-119,32,,mrg				
25	963562-4	WG1963562-4,32,,mrg				
26	963562-5	WG1963562-5,32,,mrg			mrg	
					sv-ljg	

Dep.: GCMS
Inst: SV112
Date: **08/26/24**
Run:

Method
GC: 8270RVT

Seq: **WG1963848**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
141	DEG0826	wg-1,32,,SV112 Degdftpp Lot # 10984				smz 8/26
142	ABN0826	wg-3,32,,ABN 10908 kmh0802A	**Passes Full List.**			smz 8/26
143	AP90826	wg-4,32,,AP9 10909 kmh0802C				smz 8/26
144	ADP0826	wg-5,32,,ADP 10751 kmh0802B				smz 8/26
1	963647-1	WG1963647-1,32,,HNY				smz 8/26
2	963647-2	WG1963647-2,32,,HNY				smz 8/26
3	963647-3	WG1963647-3,32,,HNY				smz 8/26
4	47124-01	L2447124-01,32,,HNY				smz 8/26
5	47124-02	L2447124-02,32,,HNY				smz 8/26
6	47124-03	L2447124-03,32,,HNY				smz 8/26
7	47124-04	L2447124-04,32,,HNY				smz 8/26
8	47124-05	L2447124-05,32,,HNY				smz 8/26
9	47124-06	L2447124-06,32,,HNY				smz 8/26
10	47124-07	L2447124-07,32,,HNY				smz 8/26
11	47124-08	L2447124-08,32,,HNY				smz 8/26
12	963629-2	WG1963629-2,32,,HNY				smz 8/26
13	963629-3	WG1963629-3,32,,HNY				smz 8/26
14	963629-1	WG1963629-1,32,,HNY				smz 8/26
15	47168-01	L2447168-01,32,,RE,HNY				smz 8/26
16	47503-01	L2447503-01,32,,HNY			sv-smz	ek 8/26
17	47503-02	L2447503-02,32,,HNY	re-ex low surr ek			
18	47503-03	L2447503-03,32,,HNY				ek 8/26
19	47503-04	L2447503-04,32,,HNY				ek 8/26
20	47503-05	L2447503-05,32,,HNY				ek 8/26
21	47503-06	L2447503-06,32,,HNY				ek 8/26
22	47503-07	L2447503-07,32,,HNY				8/27jg
23	963467-4	WG1963467-4,32,,HNY				8/27jg
24	963467-5	WG1963467-5,32,,HNY				8/27jg
25	47503-08	L2447503-08,32,,HNY				8/27jg
26	47503-09	L2447503-09,32,,HNY				8/27jg
27	47503-10	L2447503-10,32,,HNY				8/27jg
28	47503-11	L2447503-11,32,,HNY			hny	8/27jg
					sv-gmr	

Dep.: GCMS
Inst: SV106
Date: **08/27/24**
Run:

Method
GC: FS RVT

Seq: WG1964242

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
141	DEG0827	wg-1,32,,Degdftpp Lot # 10985				im 8/27
142	ABN0827	wg-3,32,,ABN 10908	kmh0802C			im 8/27
143	AP90827	wg-4,32,,AP9 10909	HNY0826A			im 8/27
144	ADP0827	wg-5,32,,ADP 10751	kmh0802B			im 8/27
1	964055-1	WG1964055-1,32,,gmr				im 8/27
2	964055-2	WG1964055-2,32,,gmr				im 8/27
3	964055-3	WG1964055-3,32,,gmr				im 8/27
4	964052-1	WG1964052/47-1,32,,gmr				im 8/27
5	964052-2	WG1964052/47-2,32,,gmr				im 8/27
6	964052-3	WG1964052/47-3,32,,gmr				im 8/27
7	964120-1	WG1964120/2-1,32,,gmr				im 8/27
8	964120-2	WG1964120/2-2,32,,gmr				im 8/27
9	964120-3	WG1964120/2-3,32,,gmr				im 8/27
10	48077-09	L2448077-09,32,,R3C,RE,gmr				im 8/27
11	48077-10	L2448077-10,32,,R3C,RE,gmr				im 8/27
12	48248-01	L2448248-01,32,,R3B,gmr				im 8/27
13	47135-04	L2447135-04,32,,RE,gmr				im 8/27
14	47124-03	L2447124-03,32,,RE,gmr				im 8/27
15	47124-04	L2447124-04,32,,RE,gmr				im 8/27
16	47124-06	L2447124-06,32,,RE,gmr				im 8/27
17	47470-03	L2447470-03,32,,RE,gmr			gmr	im 8/27
18	964098-2	WG1964098-2,32,,HNY				im 8/27
19	964098-3	WG1964098-3,32,,HNY				im 8/27
20	964098-1	WG1964098-1,32,,HNY				im 8/27
21	47524-01	L2447524-01,32,,HNY				im 8/27
22	47307-01	L2447307-01,32,,HNY				im 8/27
23	47503-02	L2447503-02,32,,RE,gmr				im 8/27
24	964032-4	WG1964032-4,32,,gmr				
25	964032-5	WG1964032-5,32,,gmr				
26	22662-120	L2422662-120,32,,gmr			hny	
					sv-im	

ORGANIC ELN REPORT

Workgroup: WG1964120

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: ABN **Lot #:** 10904-AB[01/16/25]
Spike Type: ABN **Lot #:** 10948-AD[02/03/25]; 10738-BD
Spike Verify by: ARP/DLP
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH072424

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447503-02 SAMP	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1		08/27/24 02:38	Shaylee Amidon	1	K
L2447506-01 SAMP	08/27/24 14:22	Dayle Parsons	100	<2, >12	.1		08/27/24 14:55	Grace Tran	1	K
L2447506-02 SAMP	08/27/24 14:22	Dayle Parsons	100	<2, >12	.1		08/27/24 14:55	Grace Tran	1	K
L2447813-01 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-02 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-03 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-04 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K

Reported: 28-AUG-24 04:37 PM

ORGANIC ELN REPORT

Workgroup: WG1964120

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447813-05 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-01 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-06 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-07 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-08 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-09 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-10 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-11 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
WG1964120-1 BLANK	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1		08/27/24 02:38	Shaylee Amidon	1	K
	WG1964121; WG1964122; WG1964123									
WG1964120-2 LCS	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1	.1	08/27/24 02:38	Shaylee Amidon	1	K

Reported: 28-AUG-24 04:37 PM

ORGANIC ELN REPORT

Workgroup: WG1964120

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1964120-3 LCSD	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1	.1	08/27/24 02:38	Shaylee Amidon	1	K

Reported: 28-AUG-24 04:37 PM

ORGANIC ELN REPORT

Workgroup: WG1963467

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: ABN **Lot #:** 10904ak,01/16/2025,
Spike Type: ABN **Lot #:** 10948ad,02/03/2025,10949bd,0
Spike Verify by: YDA
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH072424

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447470-01 WATER	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447470-02 WATER	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447470-03	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447501-01 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447501-02 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-01 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1963467

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-02 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-03 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-04 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-05 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-06 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-07 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-08 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-09 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1963467

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-10 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447503-11 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447506-01 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447506-02 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447506-03 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
L2447507-01 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
WG1963467-1 BLANK	08/24/24 14:32 **WG1963468**	Yaw Adu	100	<2,>12	.1		08/25/24 02:05	Alaina Ohara-Cruz	1	K
WG1963467-2 LCS	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:05	Alaina Ohara-Cruz	1	K

Reported: 28-AUG-24 04:37 PM

ORGANIC ELN REPORT

Workgroup: WG1963467

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1963467-3 LCSD	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:05	Alaina Ohara-Cruz	1	K
WG1963467-4 MS	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:05	Alaina Ohara-Cruz	1	K
WG1963467-5 MSD	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:05	Alaina Ohara-Cruz	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-1S (L2447503-01)	31	26	64	72	67	72	0
MW-2S (L2447503-02)	25	24	100	85	39	92	0
MW-3S (L2447503-03)	14*	18	58	64	27	67	1
MW-4D (L2447503-04)	38	28	63	70	73	66	0
MW-5S (L2447503-05)	41	30	69	78	85	75	0
MW-6D (L2447503-06)	12*	14	67	74	26	76	1
MW-7S (L2447503-07)	11*	13	66	73	22	70	1
MW-8S (L2447503-08)	44	32	70	76	85	72	0
DUP (L2447503-09)	39	29	66	73	74	70	0
FIELD BLANK (L2447503-10)	41	29	64	70	78	70	0
EQUIPMENT BLANK (L2447503-11)	15*	19	61	65	32	63	1
WG1963468-1BLANK	42	32	66	69	84	75	0
WG1963468-2LCS	48	37	67	72	92	74	0
WG1963468-3LCSD	47	37	65	69	87	70	0
MW-7SMS	36	32	67	72	72	75	0
MW-7SMSD	17*	21	69	75	32	76	1
WG1964121-1BLANK	51	35	93	88	68	94	0
WG1964121-2LCS	53	41	88	72	71	84	0
WG1964121-3LCSD	55	45	89	76	77	88	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963468-2 **Analysis Date** : 08/25/24 13:47	**File ID**	: 963468-2
LCSD Sample ID	: WG1963468-3 **Analysis Date** : 08/25/24 14:03	**File ID**	: 963468-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	14	71	20	14	69	3	40-140	40
2-Chloronaphthalene	20	13	64	20	12	62	3	40-140	40
Fluoranthene	20	14	73	20	14	69	6	40-140	40
Hexachlorobutadiene	20	11	54	20	10	51	6	40-140	40
Naphthalene	20	12	61	20	12	59	3	40-140	40
Benzo(a)anthracene	20	16	80	20	15	76	5	40-140	40
Benzo(a)pyrene	20	14	70	20	13	67	4	40-140	40
Benzo(b)fluoranthene	20	14	70	20	14	68	3	40-140	40
Benzo(k)fluoranthene	20	14	71	20	14	69	3	40-140	40
Chrysene	20	15	75	20	14	71	5	40-140	40
Acenaphthylene	20	12	63	20	12	60	5	40-140	40
Anthracene	20	16	78	20	15	76	3	40-140	40
Benzo(ghi)perylene	20	17	83	20	16	79	5	40-140	40
Fluorene	20	14	69	20	13	67	3	40-140	40
Phenanthrene	20	15	77	20	15	74	4	40-140	40
Dibenzo(a,h)anthracene	20	16	83	20	16	79	5	40-140	40
Indeno(1,2,3-cd)pyrene	20	17	87	20	16	82	6	40-140	40
Pyrene	20	14	71	20	13	67	6	40-140	40
2-Methylnaphthalene	20	12	61	20	12	59	3	40-140	40
Pentachlorophenol	20	19	96	20	18	90	6	40-140	40
Hexachlorobenzene	20	17	86	20	17	85	1	40-140	40
Hexachloroethane	20	10	50	20	9.2	46	8	40-140	40

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964121-2 **Analysis Date** : 08/27/24 09:05	**File ID**	: 964121-2
LCSD Sample ID	: WG1964121-3 **Analysis Date** : 08/27/24 09:21	**File ID**	: 964121-3

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	15	73	20	16	80	9	40-140	40
2-Chloronaphthalene	20	15	74	20	16	78	5	40-140	40
Fluoranthene	20	17	84	20	18	88	5	40-140	40
Hexachlorobutadiene	20	14	70	20	15	73	4	40-140	40
Naphthalene	20	13	66	20	14	69	4	40-140	40
Benzo(a)anthracene	20	16	78	20	17	85	9	40-140	40
Benzo(a)pyrene	20	18	91	20	20	99	8	40-140	40
Benzo(b)fluoranthene	20	16	83	20	18	92	10	40-140	40
Benzo(k)fluoranthene	20	18	88	20	17	87	1	40-140	40
Chrysene	20	15	76	20	16	81	6	40-140	40
Acenaphthylene	20	16	81	20	17	86	6	40-140	40
Anthracene	20	17	85	20	18	91	7	40-140	40
Benzo(ghi)perylene	20	18	92	20	23	116	23	40-140	40
Fluorene	20	15	76	20	16	81	6	40-140	40
Phenanthrene	20	16	79	20	17	85	7	40-140	40
Dibenzo(a,h)anthracene	20	20	100	20	24	121	19	40-140	40
Indeno(1,2,3-cd)pyrene	20	20	102	20	25	124	19	40-140	40
Pyrene	20	17	83	20	17	86	4	40-140	40
2-Methylnaphthalene	20	15	74	20	16	78	5	40-140	40
Pentachlorophenol	20	19	96	20	21	103	7	40-140	40
Hexachlorobenzene	20	15	74	20	16	80	8	40-140	40
Hexachloroethane	20	14	69	20	14	70	1	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/25/24 19:00
Matrix Spike	: WG1963468-4	**MS Analysis Date**	: 08/25/24 19:17
Matrix Spike Dup	: WG1963468-5	**MSD Analysis Date**	: 08/25/24 19:33

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Acenaphthene	ND	20	15	75		20	15	75		0	40-140	40
2-Chloronaphthalene	ND	20	13	65		20	14	70		7	40-140	40
Fluoranthene	ND	20	15	75		20	15	75		0	40-140	40
Hexachlorobutadiene	ND	20	11	55		20	11	55		0	40-140	40
Naphthalene	0.06J	20	13	65		20	13	65		0	40-140	40
Benzo(a)anthracene	ND	20	17	85		20	17	85		0	40-140	40
Benzo(a)pyrene	ND	20	15	75		20	15	75		0	40-140	40
Benzo(b)fluoranthene	ND	20	15	75		20	15	75		0	40-140	40
Benzo(k)fluoranthene	ND	20	15	75		20	15	75		0	40-140	40
Chrysene	ND	20	16	80		20	16	80		0	40-140	40
Acenaphthylene	ND	20	13	65		20	14	70		7	40-140	40
Anthracene	ND	20	16	80		20	17	85		6	40-140	40
Benzo(ghi)perylene	ND	20	18	90		20	18	90		0	40-140	40
Fluorene	ND	20	14	70		20	15	75		7	40-140	40
Phenanthrene	ND	20	16	80		20	16	80		0	40-140	40
Dibenzo(a,h)anthracene	ND	20	18	90		20	18	90		0	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	19	95		20	19	95		0	40-140	40
Pyrene	ND	20	15	75		20	15	75		0	40-140	40
2-Methylnaphthalene	ND	20	13	65		20	13	65		0	40-140	40
Pentachlorophenol	ND	20	6.7	34	Q	20	1.1	6	Q	144 Q	40-140	40
Hexachlorobenzene	ND	20	18	90		20	19	95		5	40-140	40
Hexachloroethane	ND	20	10	50		20	10	50		0	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963468-1	**Lab File ID**	: 963468-1
Instrument ID	: SV119	**Extraction Date**	: 08/24/24
Matrix	: WATER	**Analysis Date**	: 08/25/24 14:20
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1963468-2LCS	WG1963468-2	08/25/24 13:47
WG1963468-3LCSD	WG1963468-3	08/25/24 14:03
MW-1S	L2447503-01	08/25/24 15:59
MW-3S	L2447503-03	08/25/24 16:32
MW-4D	L2447503-04	08/25/24 16:48
MW-5S	L2447503-05	08/25/24 17:21
MW-6D	L2447503-06	08/25/24 17:38
MW-8S	L2447503-08	08/25/24 17:54
DUP	L2447503-09	08/25/24 18:11
FIELD BLANK	L2447503-10	08/25/24 18:27
EQUIPMENT BLANK	L2447503-11	08/25/24 18:44
MW-7S	L2447503-07	08/25/24 19:00
MW-7SMS	WG1963468-4	08/25/24 19:17
MW-7SMSD	WG1963468-5	08/25/24 19:33

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1964121-1	**Lab File ID**	: 964121-1
Instrument ID	: SV120	**Extraction Date**	: 08/26/24
Matrix	: WATER	**Analysis Date**	: 08/27/24 08:48
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1964121-2LCS	WG1964121-2	08/27/24 09:05
WG1964121-3LCSD	WG1964121-3	08/27/24 09:21
MW-2S	L2447503-02	08/27/24 09:53

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV119	**Analysis Date**	: 06/21/24 14:09
Tune Standard	: R1846022-1	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	46.7
68	Less than 2.0% of mass 69	0.6 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	55.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	26.8
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	77.1
443	15.0 - 24.0% of mass 442	14.5 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1846022-3	L10	06/21/24 14:50
L9	R1846022-11	L9	06/21/24 15:06
L8	R1846022-10	L8	06/21/24 15:23
L7	R1846022-9	L7	06/21/24 15:39
L6	R1846022-8	L6	06/21/24 15:55
L5	R1846022-7	L5	06/21/24 16:12
L4	R1846022-6	L4	06/21/24 16:28
L3	R1846022-5	L3	06/21/24 16:44
L2	R1846022-4	L2	06/21/24 17:01
L1	R1846022-2	L1	06/21/24 17:17
ICV Quant Report	R1846022-12	ICV	06/21/24 17:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV119	**Analysis Date**	: 08/25/24 10:54
Tune Standard	: WG1963571-1	**Tune File ID**	: deg0825_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	44.2
68	Less than 2.0% of mass 69	0.8 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	54.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	25.7
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	81.5
443	15.0 - 24.0% of mass 442	15.3 (18.7)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1963571-4TFACTOR-B	WG1963571-4	DEG0825	08/25/24 10:54
WG1963571-5TFACTOR-P	WG1963571-5	DEG0825	08/25/24 10:54
WG1963571-3CCAL	WG1963571-3	CCV0825	08/25/24 11:10
WG1963468-2LCS	WG1963468-2	963468-2	08/25/24 13:47
WG1963468-3LCSD	WG1963468-3	963468-3	08/25/24 14:03
WG1963468-1BLANK	WG1963468-1	963468-1	08/25/24 14:20
MW-1S	L2447503-01	47503-01	08/25/24 15:59
MW-3S	L2447503-03	47503-03	08/25/24 16:32
MW-4D	L2447503-04	47503-04	08/25/24 16:48
MW-5S	L2447503-05	47503-05	08/25/24 17:21
MW-6D	L2447503-06	47503-06	08/25/24 17:38
MW-8S	L2447503-08	47503-08	08/25/24 17:54
DUP	L2447503-09	47503-09	08/25/24 18:11
FIELD BLANK	L2447503-10	47503-10	08/25/24 18:27
EQUIPMENT BLANK	L2447503-11	47503-11	08/25/24 18:44
MW-7S	L2447503-07	47503-07	08/25/24 19:00
WG1963468-4MS	WG1963468-4	963468-4	08/25/24 19:17
WG1963468-5MSD	WG1963468-5	963468-5	08/25/24 19:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 07/28/24 16:34
Tune Standard	: R1860680-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52
68	Less than 2.0% of mass 69	0.8 (1.8)1
69		100
70	Less than 2.0% of mass 69	0.3 (.8)1
127	10.0 - 80.0% of Base Peak	56.7
197	Less than 2.0% of mass 198	1
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	22.8
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.6
442	Base Peak, or >50% of mass 198	72.6
443	15.0 - 24.0% of mass 442	14.6 (20.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
IL10	R1860680-2	IL10	07/28/24 16:50
IL9	R1860680-10	IL9	07/28/24 17:07
IL8	R1860680-9	IL8	07/28/24 17:23
IL7	R1860680-8	IL7	07/28/24 17:39
IL6	R1860680-7	IL6	07/28/24 17:55
IL5	R1860680-6	IL5	07/28/24 18:11
IL4	R1860680-5	IL4	07/28/24 18:27
IL3	R1860680-4	IL3	07/28/24 18:43
IL2	R1860680-3	IL2	07/28/24 18:59
IL1	R1860680-1	IL1	07/28/24 19:15
ICV Quant Report	R1860680-11	ICV	07/28/24 19:31

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 08/27/24 07:34
Tune Standard	: WG1964292-1	**Tune File ID**	: deg0827_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.2
68	Less than 2.0% of mass 69	0.8 (1.9)1
69		100
70	Less than 2.0% of mass 69	0.3 (.6)1
127	10.0 - 80.0% of Base Peak	53.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	25.5
365	Greater than 1.0% of mass 198	3.4
441	Present, but less than 24% of mass 442	16.6
442	Base Peak, or >50% of mass 198	86.8
443	15.0 - 24.0% of mass 442	16.8 (19.3)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1964292-4TFACTOR-B	WG1964292-4	DEG0827	08/27/24 07:34
WG1964292-5TFACTOR-P	WG1964292-5	DEG0827	08/27/24 07:34
WG1964292-3CCAL	WG1964292-3	CCV0827	08/27/24 07:54
WG1964121-1BLANK	WG1964121-1	964121-1	08/27/24 08:48
WG1964121-2LCS	WG1964121-2	964121-2	08/27/24 09:05
WG1964121-3LCSD	WG1964121-3	964121-3	08/27/24 09:21
MW-2S	L2447503-02	47503-02	08/27/24 09:53

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV119	**Analysis Date**	: 08/25/24 11:10:00
Sample No	: WG1963571-3	**Lab File ID**	: CCV0825

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1963571-3	292472	2.30	1019441	2.96	567003	3.93
Upper Limit	584944	2.80	2038882	3.46	1134006	4.43
Lower Limit	146236	1.80	509721	2.46	283502	3.43
Sample ID						
WG1963468-2 LCS	220751	2.30	825911	2.96	466909	3.93
WG1963468-3 LCSD	239779	2.30	889599	2.96	501043	3.93
WG1963468-1 BLANK	229847	2.30	819363	2.96	490318	3.93
MW-1S	238934	2.30	847963	2.96	515704	3.93
MW-3S	241623	2.30	858758	2.96	530025	3.93
MW-4D	301118	2.31	1051962	2.96	619099	3.93
MW-5S	209163	2.30	751899	2.96	465545	3.93
MW-6D	218936	2.30	773530	2.96	471551	3.93
MW-8S	238909	2.30	851684	2.96	515787	3.93
DUP	220271	2.30	788988	2.96	482682	3.93
FIELD BLANK	232811	2.30	825171	2.96	497525	3.93
EQUIPMENT BLANK	283390	2.30	983246	2.96	578548	3.93
MW-7S	254487	2.30	877785	2.96	518701	3.93
MW-7S MS	219405	2.30	815826	2.96	454462	3.93
MW-7S MSD	213559	2.30	799228	2.96	452993	3.93

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV119	**Analysis Date**	: 08/25/24 11:10:00
Sample No	: WG1963571-3	**Lab File ID**	: CCV0825

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1963571-3	1214066	4.77	1114425	6.40	1176794	7.66
Upper Limit	2428132	5.27	2228850	6.90	2353588	8.16
Lower Limit	607033	4.27	557213	5.90	588397	7.16
Sample ID						
WG1963468-2 LCS	988169	4.77	908985	6.40	960850	7.66
WG1963468-3 LCSD	1032922	4.77	933165	6.40	936448	7.66
WG1963468-1 BLANK	1020421	4.77	1028180	6.40	977814	7.66
MW-1S	1055363	4.77	1047634	6.40	1027314	7.66
MW-3S	1134971	4.77	1098035	6.40	991643	7.66
MW-4D	1224751	4.77	1111342	6.40	960586	7.66
MW-5S	997061	4.77	1007799	6.40	991272	7.66
MW-6D	1001563	4.77	1040519	6.40	1029607	7.66
MW-8S	1054338	4.77	1033542	6.40	970601	7.66
DUP	1018511	4.77	1031700	6.40	992971	7.66
FIELD BLANK	1029825	4.77	1030642	6.41	967324	7.67
EQUIPMENT BLANK	1156220	4.77	1047183	6.40	903016	7.66
MW-7S	1059224	4.77	1013835	6.40	910630	7.66
MW-7S MS	958145	4.77	870126	6.40	895996	7.65
MW-7S MSD	954862	4.77	888259	6.40	940415	7.66

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 08/27/24 07:54:00
Sample No	: WG1964292-3	**Lab File ID**	: CCV0827

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG1964292-3	454641	2.17	1780821	2.83	1044720	3.81
Upper Limit	909282	2.67	3561642	3.33	2089440	4.31
Lower Limit	227321	1.67	890411	2.33	522360	3.31
Sample ID						
WG1964121-1 BLANK	320759	2.16	1240216	2.82	746487	3.80
WG1964121-2 LCS	352431	2.18	1490058	2.84	828434	3.81
WG1964121-3 LCSD	344479	2.18	1431842	2.84	792196	3.81
MW-2S	333310	2.18	1331967	2.84	773457	3.81

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: SV120	**Analysis Date**	: 08/27/24 07:54:00
Sample No	: WG1964292-3	**Lab File ID**	: CCV0827

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG1964292-3	2173941	4.64	1787578	6.20	1774909	7.33
Upper Limit	4347882	5.14	3575156	6.70	3549818	7.83
Lower Limit	1086971	4.14	893789	5.70	887455	6.83
Sample ID						
WG1964121-1 BLANK	1480906	4.64	1306327	6.24	1204446	7.37
WG1964121-2 LCS	1582850	4.64	1373858	6.18	1313238	7.31
WG1964121-3 LCSD	1472675	4.64	1222664	6.17	1225178	7.30
MW-2S	1460403	4.64	1270367	6.17	1289605	7.30

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

EPA 8270E Low Level PAH (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.035	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.035	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.036	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.043	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.018	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.016	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.038	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.035	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.042	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.037	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.015	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.039	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.04	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.04	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.041	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.045	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.22	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.032	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.03	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

EPA 8270E Low Level PAH (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	6.68	1.4028	ug/kg	40-140	50	40-140	50	50			
2-Chloronaphthalene	91-58-7	6.68	0.8684	ug/kg	40-140	50	40-140	50	50			
Fluoranthene	206-44-0	6.68	0.4676	ug/kg	40-140	50	40-140	50	50			
Hexachlorobutadiene	87-68-3	6.68	0.9352	ug/kg	34-107	50	40-140	50	50			
Naphthalene	91-20-3	6.68	1.2024	ug/kg	40-140	50	40-140	50	50			
Benzo(a)anthracene	56-55-3	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(a)pyrene	50-32-8	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Benzo(b)fluoranthene	205-99-2	6.68	0.6346	ug/kg	40-140	50	40-140	50	50			
Benzo(k)fluoranthene	207-08-9	6.68	0.6012	ug/kg	40-140	50	40-140	50	50			
Chrysene	218-01-9	6.68	0.501	ug/kg	40-140	50	40-140	50	50			
Acenaphthylene	208-96-8	6.68	0.835	ug/kg	40-140	50	40-140	50	50			
Anthracene	120-12-7	6.68	0.5344	ug/kg	40-140	50	40-140	50	50			
Benzo(ghi)perylene	191-24-2	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Fluorene	86-73-7	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Phenanthrene	85-01-8	6.68	0.5678	ug/kg	40-140	50	40-140	50	50			
Dibenzo(a,h)anthracene	53-70-3	6.68	0.668	ug/kg	40-140	50	40-140	50	50			
Indeno(1,2,3-cd)Pyrene	193-39-5	6.68	0.8016	ug/kg	40-140	50	40-140	50	50			
Pyrene	129-00-0	6.68	0.4676	ug/kg	35-142	50	35-142	50	50			
1-Methylnaphthalene	90-12-0	6.68	1.0354	ug/kg	40-140	50	40-140	50	50			
2-Methylnaphthalene	91-57-6	6.68	1.9038	ug/kg	40-140	50	40-140	50	50			
Pentachlorophenol	87-86-5	26.72	2.9392	ug/kg	17-109	50	17-109	50	50			
Hexachlorobenzene	118-74-1	6.68	0.7014	ug/kg	40-140	50	40-140	50	50			
Hexachloroethane	67-72-1	6.68	1.2358	ug/kg	29-106	50	40-140	50	50			
2-Fluorophenol	*367-12-4*									*25-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*30-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-136*		
4-Terphenyl-d14	*1718-51-0*									*18-120*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 15:59
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-01	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.07	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.18	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.04	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.06	0.10	0.03	J
85-01-8	Phenanthrene	0.10	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.06	0.10	0.03	J
87-86-5	Pentachlorophenol	0.16	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:53
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-02	**Analyst**	: RP
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.12	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	0.46	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 16:32
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-03	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 16:48
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-04	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:21
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-05	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:38
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-06	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 19:00
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-07	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.06	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 17:54
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-08	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.04	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.04	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 18:11
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-09	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 18:27
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-10	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/25/24 18:44
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 47503-11	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.08	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963468-1	**Date Collected**	: NA
Client ID	: WG1963468-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/25/24 14:20
Sample Matrix	: WATER	**Date Extracted**	: 08/24/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 963468-1	**Analyst**	: JJW
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964121-1	**Date Collected**	: NA
Client ID	: WG1964121-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 08:48
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 964121-1	**Analyst**	: RP
Sample Amount	: 100 ml	**Instrument ID**	: SV120
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	0.03	0.10	0.02	J
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.03	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.06	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	0.06	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	0.50	0.80	0.06	J
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-01.D
Acq On : 25 Aug 2024 03:59 pm
Operator : sv119:jjw
Sample : L2447503-01,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 13:07:33 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.301	152	238934	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 81.69%			
8) Naphthalene-d8	2.959	136	847963	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 83.18%			
17) Acenaphthene-d10	3.930	164	515704	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 90.95%			
22) Phenanthrene-d10	4.771	188	1055363	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 86.93%			
31) Chrysene-d12	6.400	240	1047634	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 94.01%			
36) Perylene-d12	7.660	264	1027314	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 87.30%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	52370	621.344	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.07%			
3) Phenol-d6	2.116	99	55465	521.756	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.09%			
7) Nitrobenzene-d5	2.578	82	59427	637.306	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 63.73%			
13) 2-Fluorobiphenyl	3.549	172	157782	719.742	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.97%			
21) 2,4,6-Tribromophenol	4.374	330	48441	1345.306	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 67.27%			
30) 4-Terphenyl-d14	5.719	244	210267	720.711	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.04%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.971	128	4210M4	17.983	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	3.347	142	1099	6.246	ng/ml	97
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	3.948	153	1308	7.266	ng/ml	97
20) Fluorene	4.237	166	1471	6.200	ng/ml	99
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	4.667	266	524	16.347	ng/ml	85

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-01.D
Acq On : 25 Aug 2024 03:59 pm
Operator : sv119:jjw
Sample : L2447503-01,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 13:07:33 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.783	178	3017M4	9.833	ng/ml	
27) Anthracene	4.813	178	1385M4	4.369	ng/ml	
28) Fluoranthene	5.483	202	1574	3.736	ng/ml#	94
29) Pyrene	5.622	202	1596	3.656	ng/ml	96
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

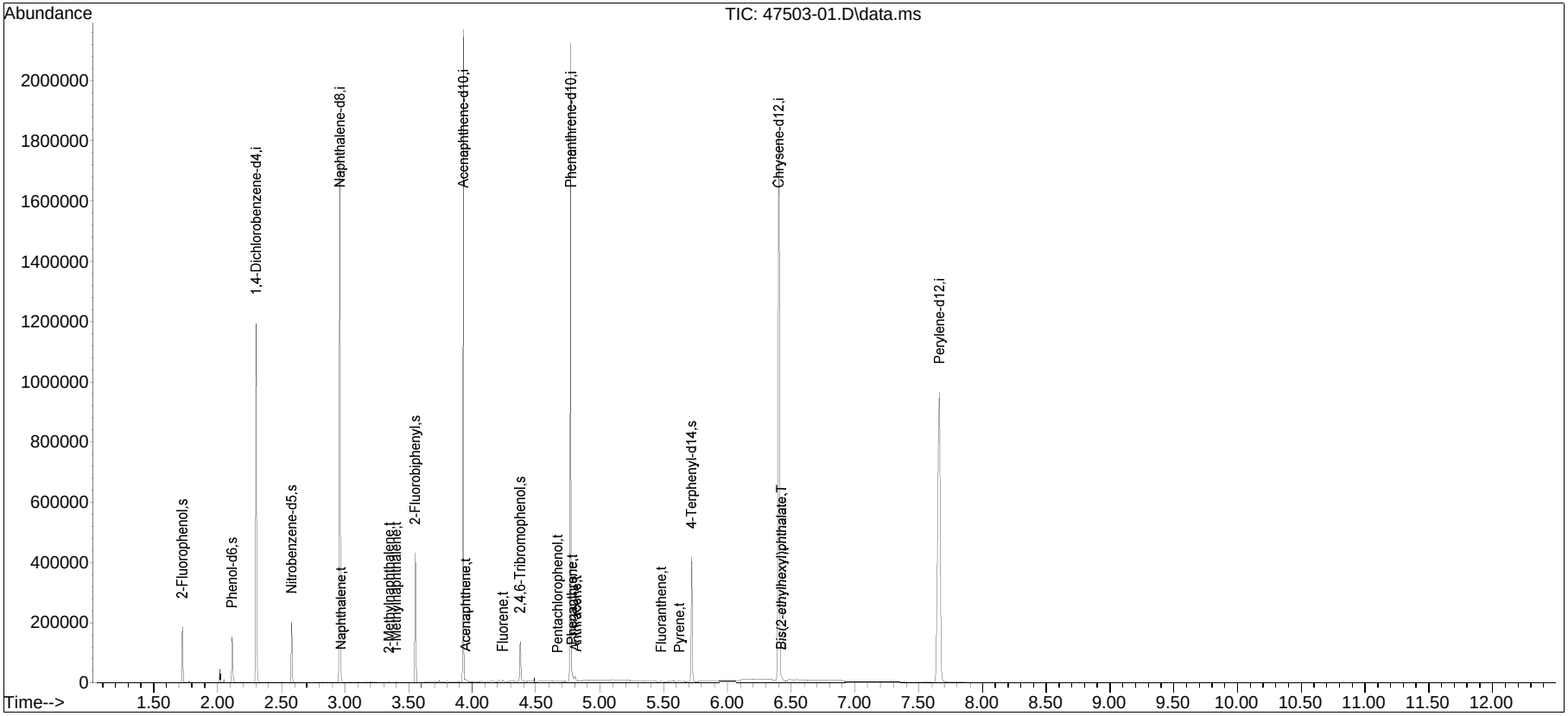
(#) = qualifier out of range (m) = manual integration (+) = signals summed

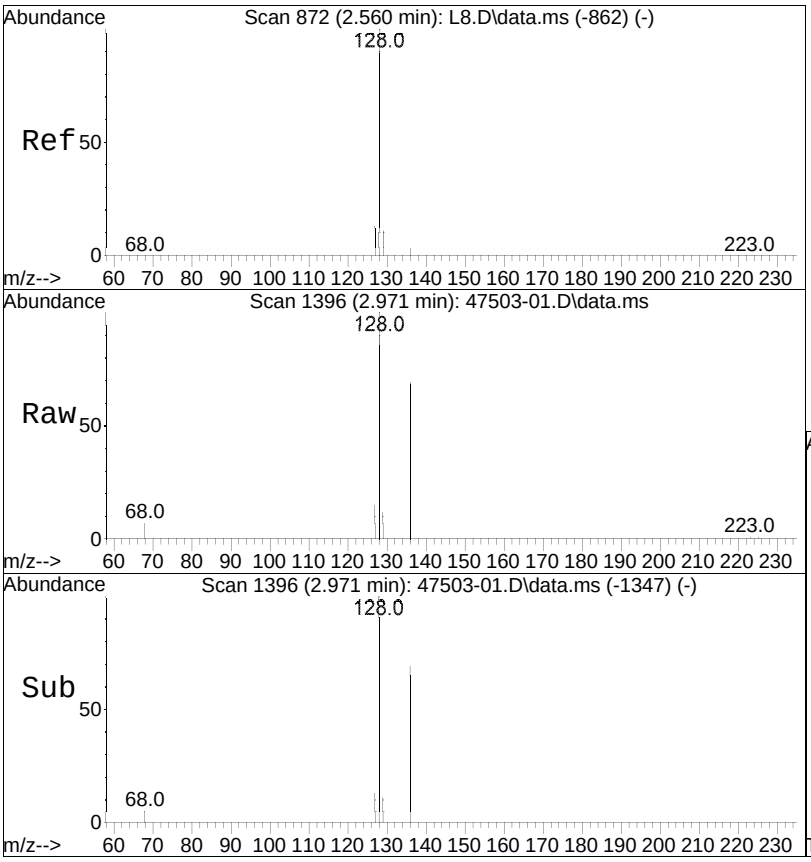
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-01.D
Acq On : 25 Aug 2024 03:59 pm
Operator : sv119:jjw
Sample : L2447503-01,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 27 13:07:33 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

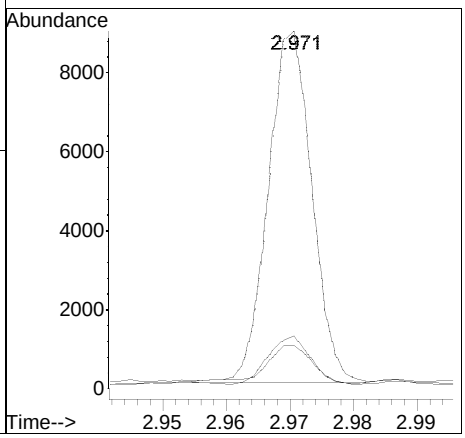


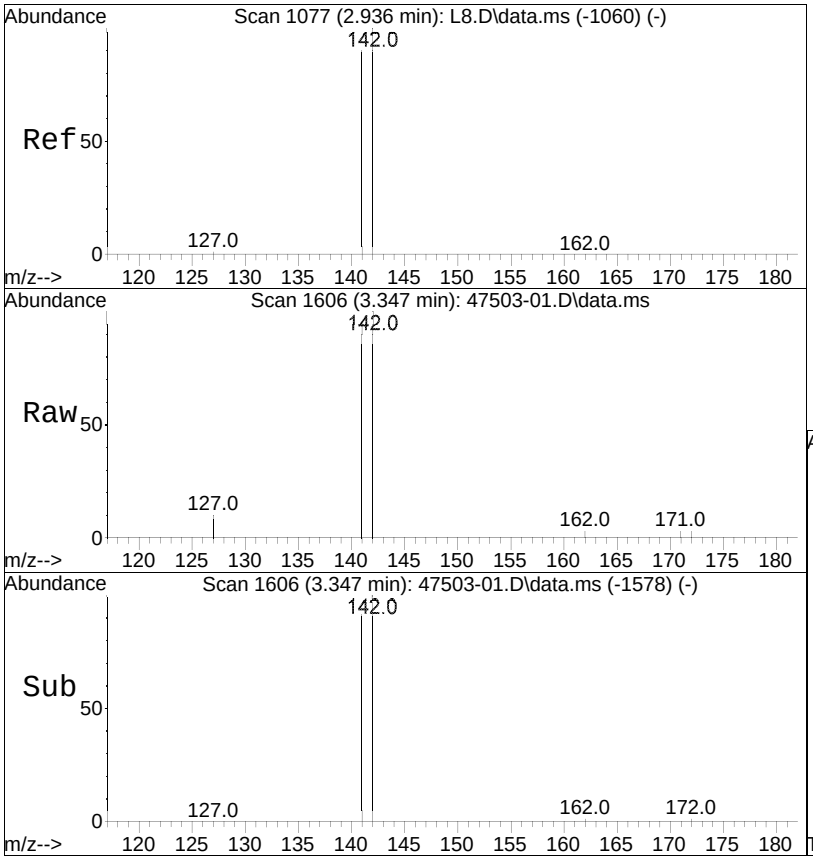


#9
Naphthalene
Concen: 17.98 ng/ml M4
RT: 2.971 min Scan# 1396
Delta R.T. -0.001 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:128 Resp: 4210

Ion	Ratio	Lower	Upper
128	100		
129	14.1	9.0	13.4#
127	12.9	10.6	15.8

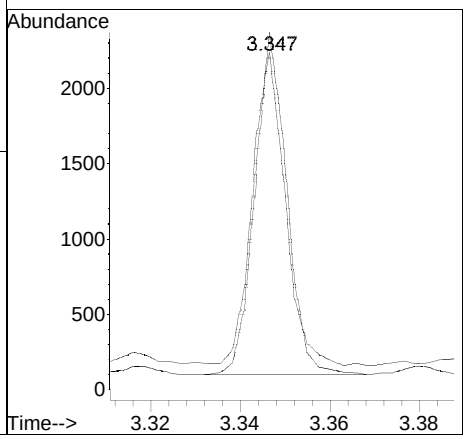


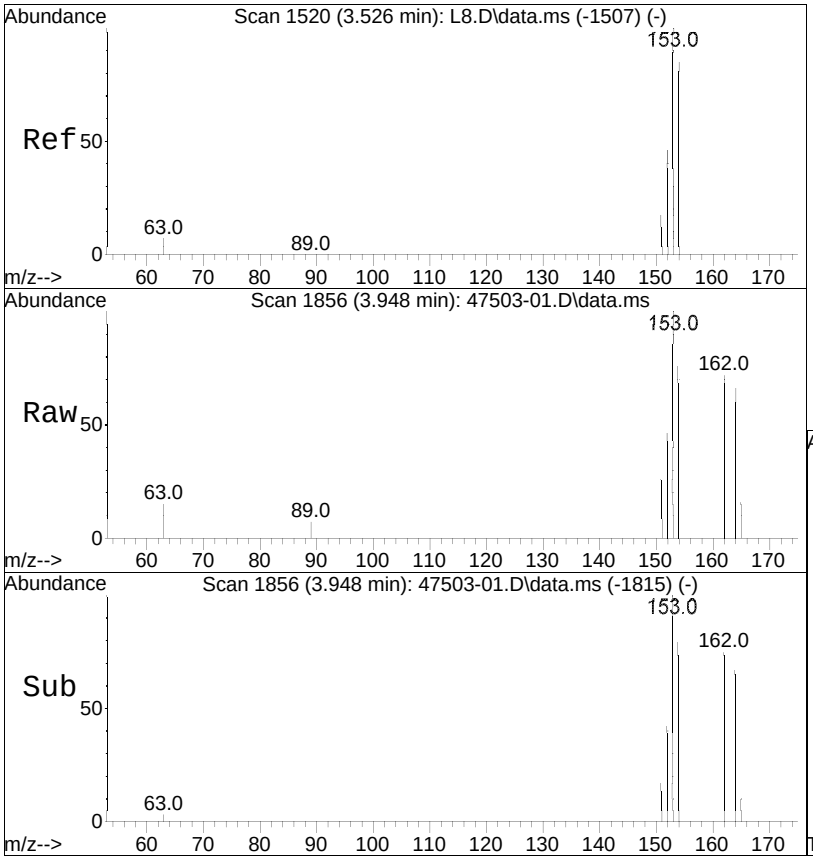


#11
2-Methylnaphthalene
Concen: 6.25 ng/ml
RT: 3.347 min Scan# 1606
Delta R.T. -0.002 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:142 Resp: 1099

Ion	Ratio	Lower	Upper
142	100		
141	93.5	72.3	108.5

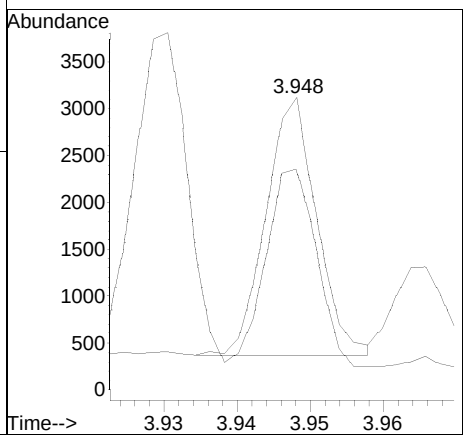


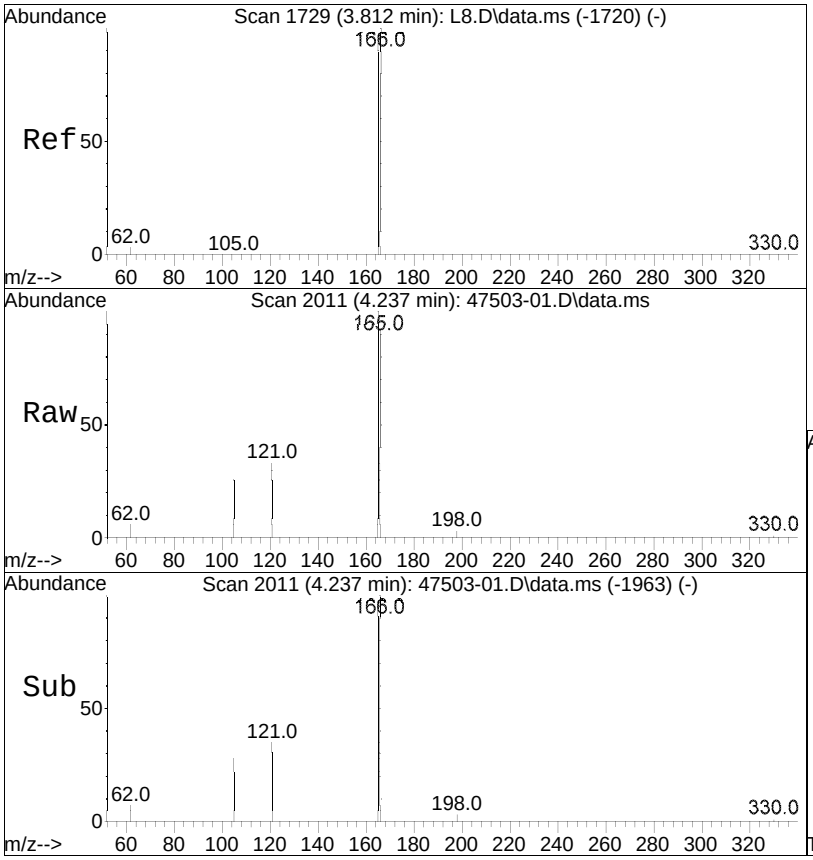


#18
Acenaphthene
Concen: 7.27 ng/ml
RT: 3.948 min Scan# 1856
Delta R.T. 0.001 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:153 Resp: 1308

Ion	Ratio	Lower	Upper
153	100		
154	82.3	68.1	102.1

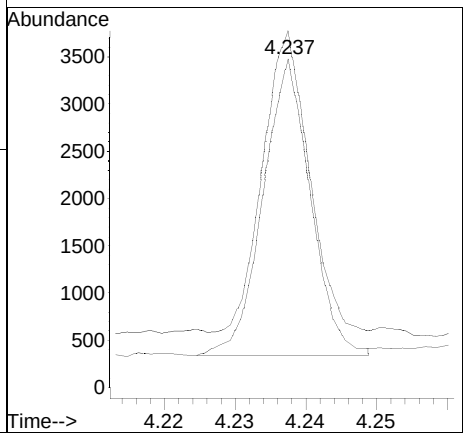


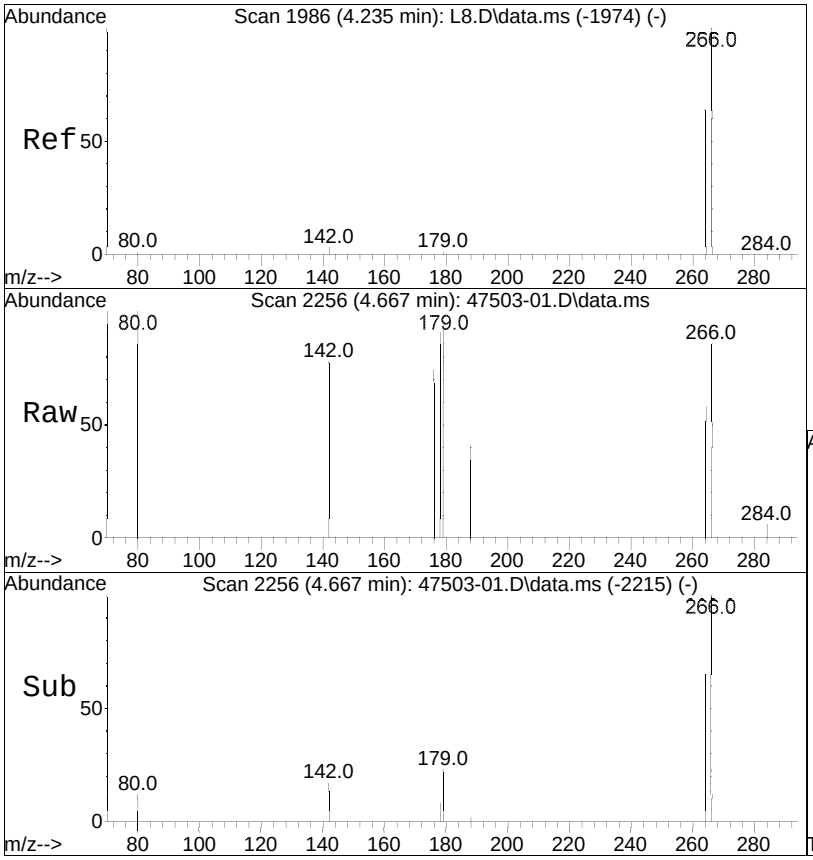


#20
Fluorene
Concen: 6.20 ng/ml
RT: 4.237 min Scan# 2011
Delta R.T. 0.000 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:166 Resp: 1471

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.3	118.9

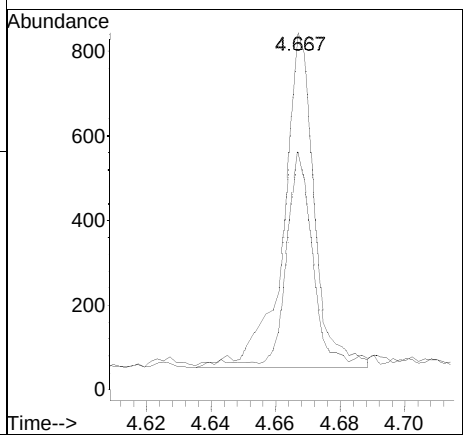


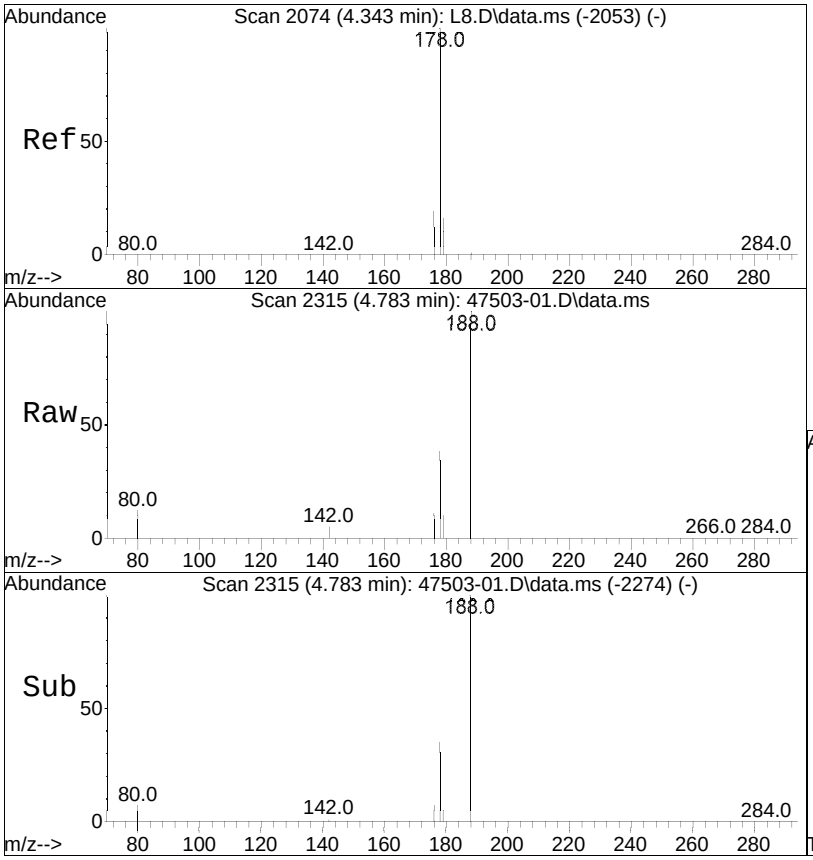


#25
Pentachlorophenol
Concen: 16.35 ng/ml
RT: 4.667 min Scan# 2256
Delta R.T. 0.000 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:266 Resp: 524

Ion	Ratio	Lower	Upper
266	100		
264	50.8	49.9	74.9

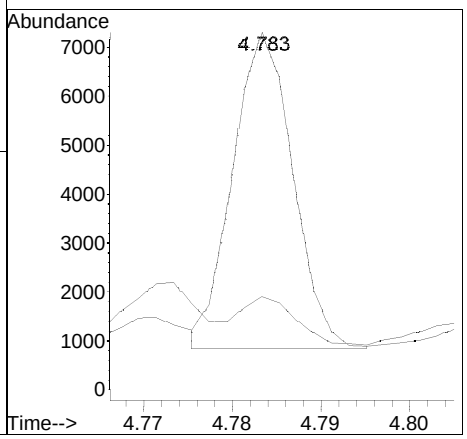


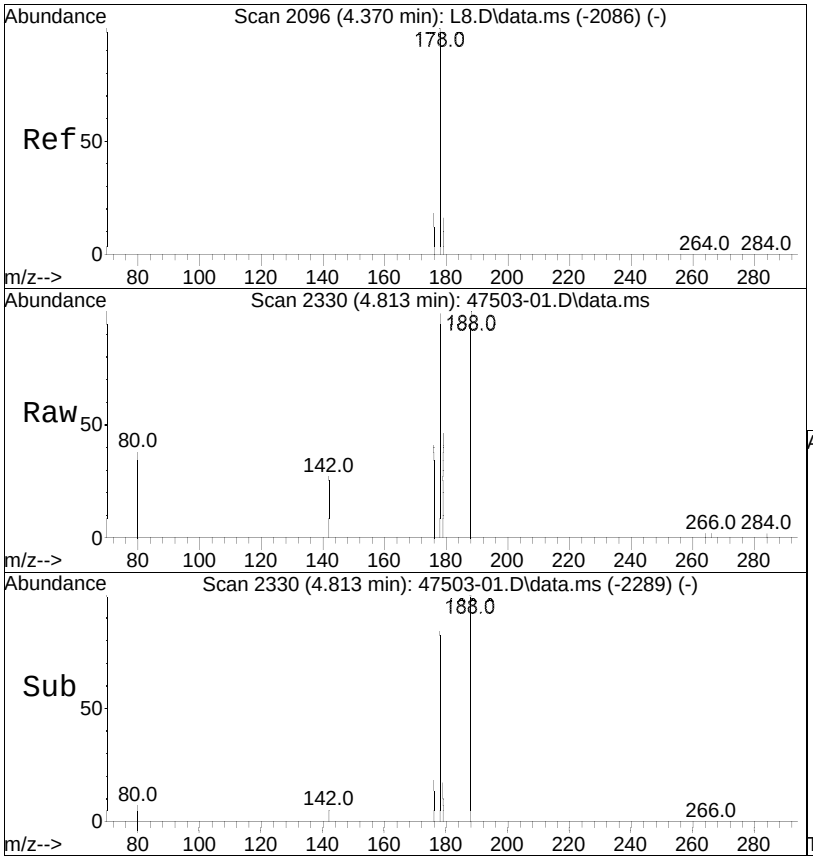


#26
Phenanthrene
Concen: 9.83 ng/ml M4
RT: 4.783 min Scan# 2315
Delta R.T. 0.000 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:178 Resp: 3017

Ion	Ratio	Lower	Upper
178	100		
179	13.4	12.6	18.8

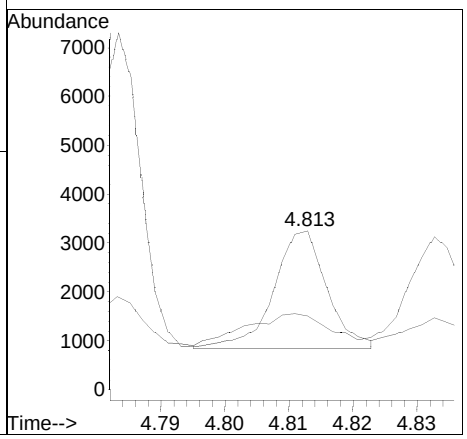


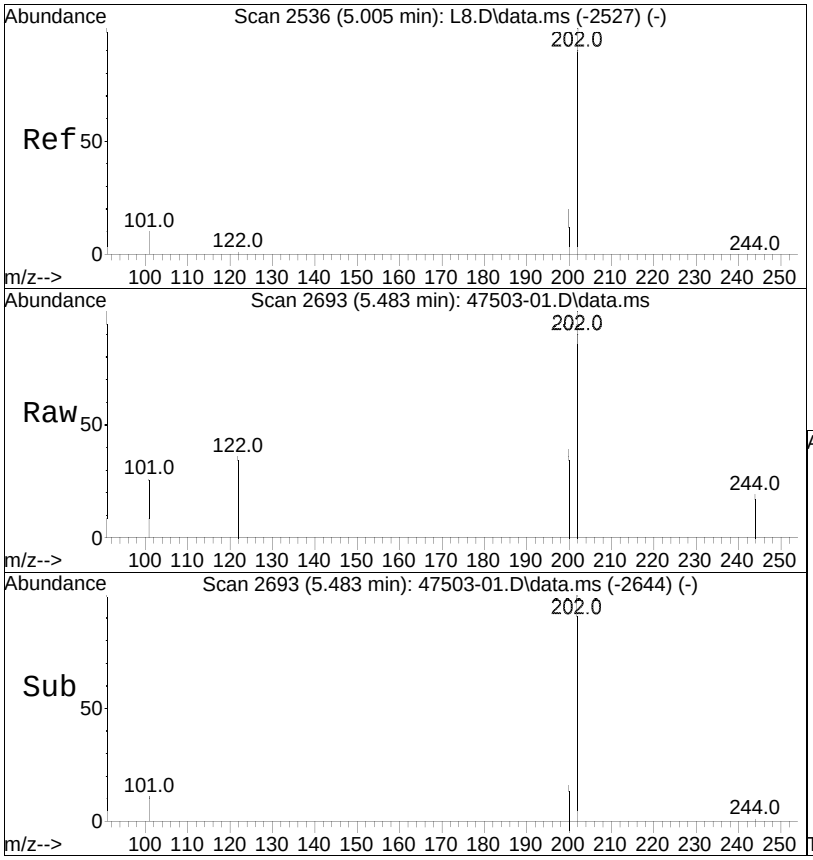


#27
Anthracene
Concen: 4.37 ng/ml M4
RT: 4.813 min Scan# 2330
Delta R.T. 0.000 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:178 Resp: 1385

Ion	Ratio	Lower	Upper
178	100		
179	24.6	12.4	18.6#

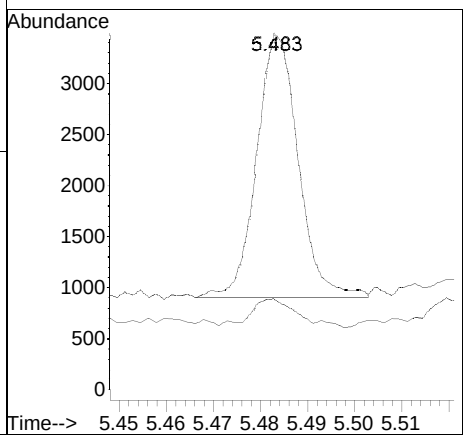


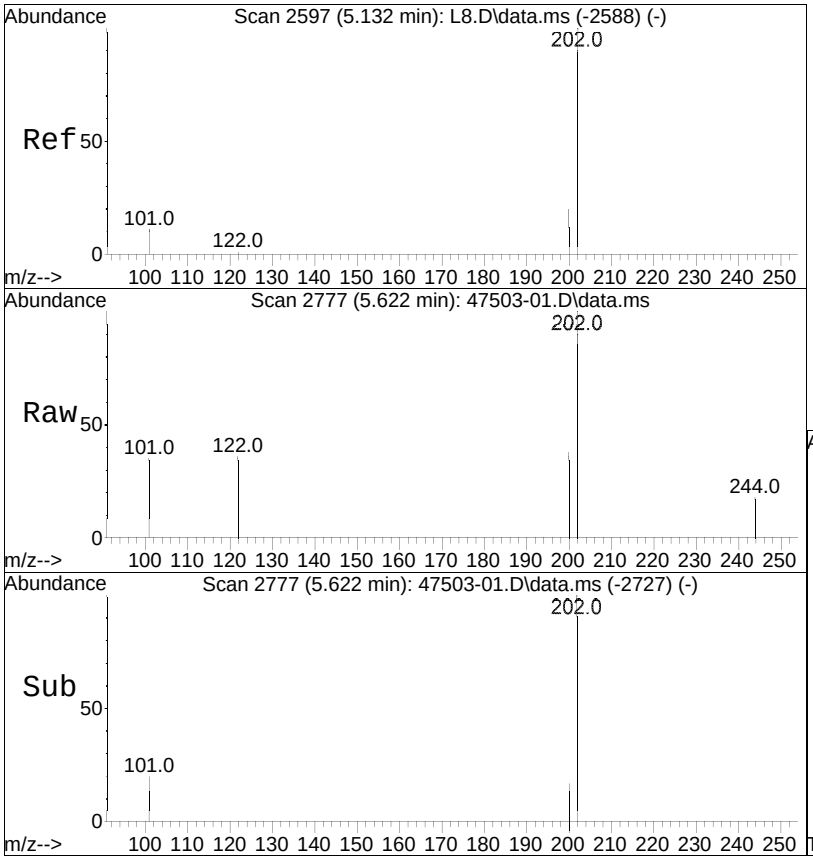


#28
Fluoranthene
Concen: 3.74 ng/ml
RT: 5.483 min Scan# 2693
Delta R.T. 0.002 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:202 Resp: 1574

Ion	Ratio	Lower	Upper
202	100		
101	12.3	8.1	12.1#

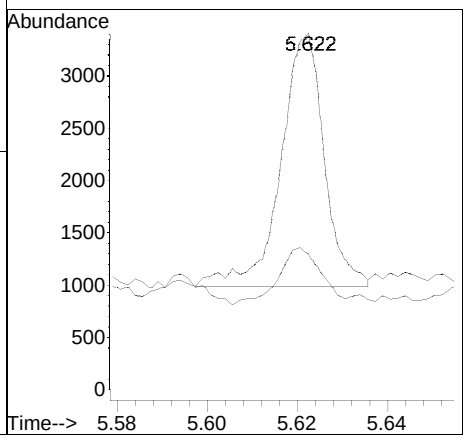




#29
Pyrene
Concen: 3.66 ng/ml
RT: 5.622 min Scan# 2777
Delta R.T. 0.003 min
Lab File: 47503-01.D
Acq: 25 Aug 2024 03:59 pm

Tgt Ion:202 Resp: 1596

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.5	24.7

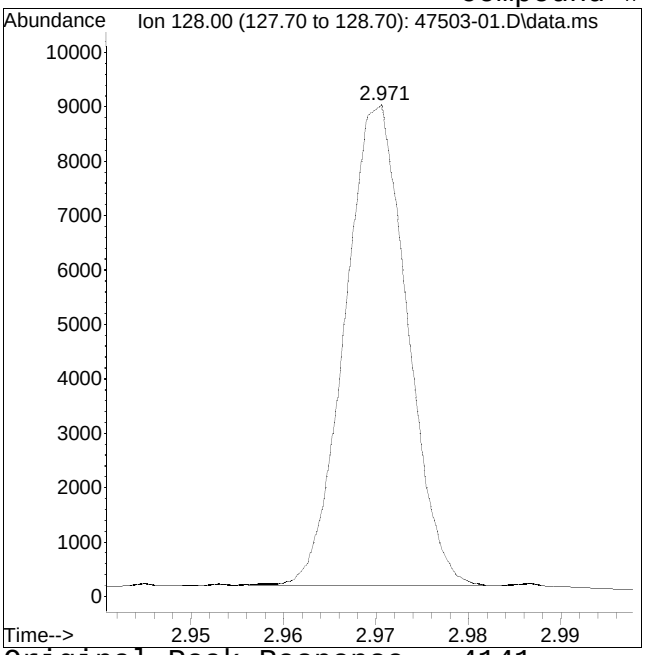


Manual Integration Report

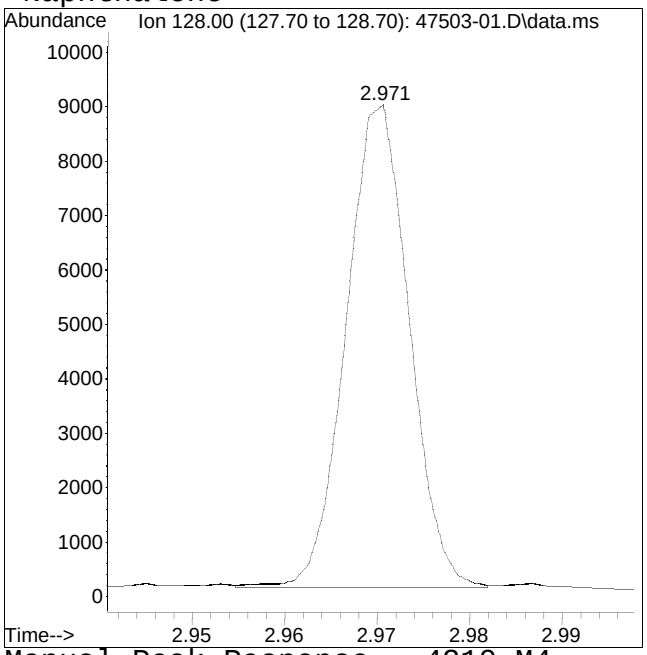
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 47503-01.D
Date Inj'd : 8/25/2024 3:59 pm
Sample : L2447503-01,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 4:13 pm

Compound #9: Naphthalene



Original Peak Response = 4141



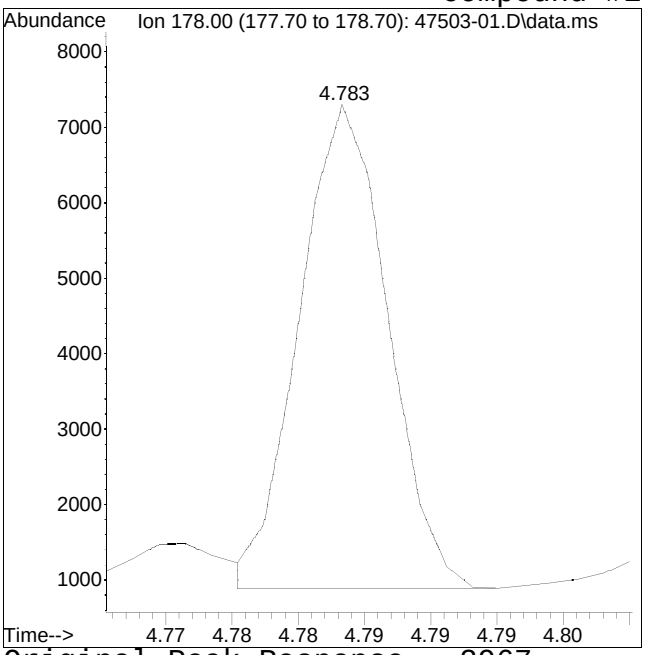
Manual Peak Response = 4210 M4

M4 = Poor automated baseline construction.

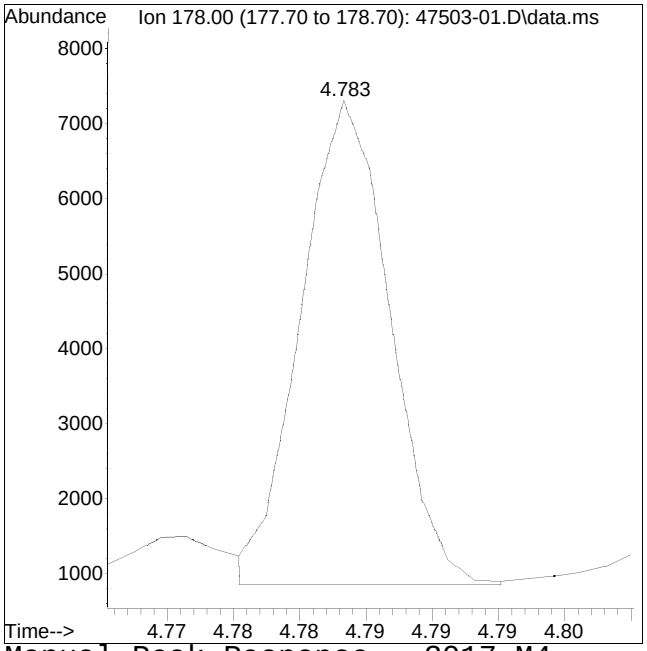
Manual Integration Report

Data Path : I:\8270SIM\sv119\240825RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 47503-01.D Operator : sv119:jjw
Date Inj'd : 8/25/2024 3:59 pm Instrument : SV119
Sample : L2447503-01,32,,jjw Quant Date : 8/25/2024 4:13 pm

Compound #26: Phenanthrene



Original Peak Response = 2967



Manual Peak Response = 3017 M4

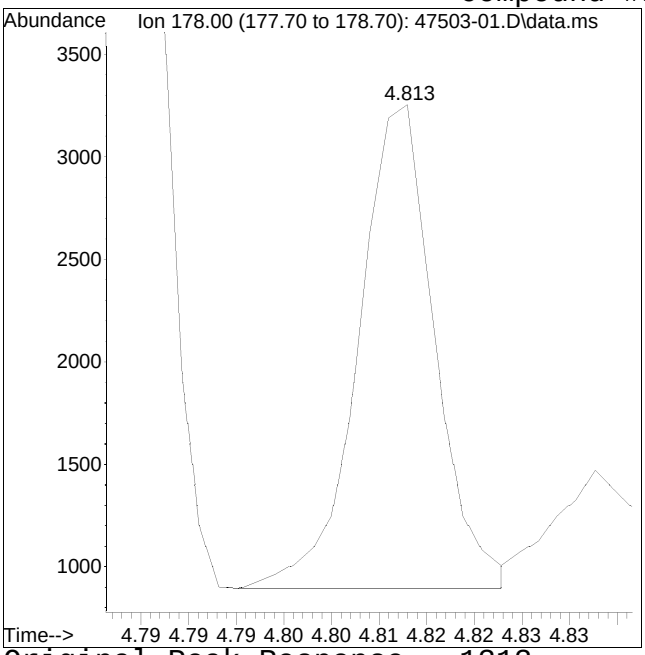
M4 = Poor automated baseline construction.

Manual Integration Report

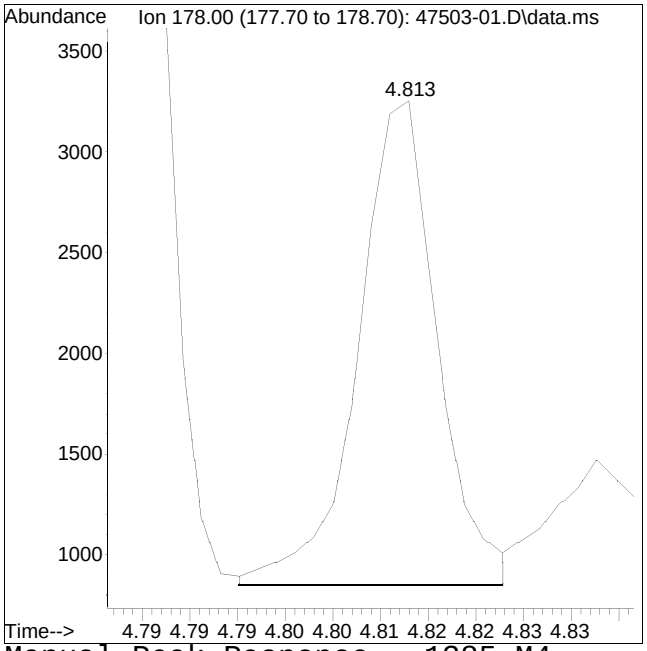
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 47503-01.D
Date Inj'd : 8/25/2024 3:59 pm
Sample : L2447503-01,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 4:13 pm

Compound #27: Anthracene



Original Peak Response = 1313



Manual Peak Response = 1385 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-03.D
Acq On : 25 Aug 2024 04:32 pm
Operator : sv119:jjw
Sample : L2447503-03,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 13:09:29 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.300	152	241623	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 82.61%			
8) Naphthalene-d8	2.959	136	858758	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 84.24%			
17) Acenaphthene-d10	3.931	164	530025	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 93.48%			
22) Phenanthrene-d10	4.772	188	1134971	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 93.49%			
31) Chrysene-d12	6.399	240	1098035	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 98.53%			
36) Perylene-d12	7.658	264	991643	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 84.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	23936	280.828	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 14.04%#			
3) Phenol-d6	2.116	99	37830	351.904	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 17.60%			
7) Nitrobenzene-d5	2.578	82	54940	582.629	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 58.26%			
13) 2-Fluorobiphenyl	3.549	172	143089	644.513	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.45%			
21) 2,4,6-Tribromophenol	4.374	330	20278	547.945	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.40%			
30) 4-Terphenyl-d14	5.717	244	209547	667.865	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 33.39%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-03.D
Acq On : 25 Aug 2024 04:32 pm
Operator : sv119:jjw
Sample : L2447503-03,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 13:09:29 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

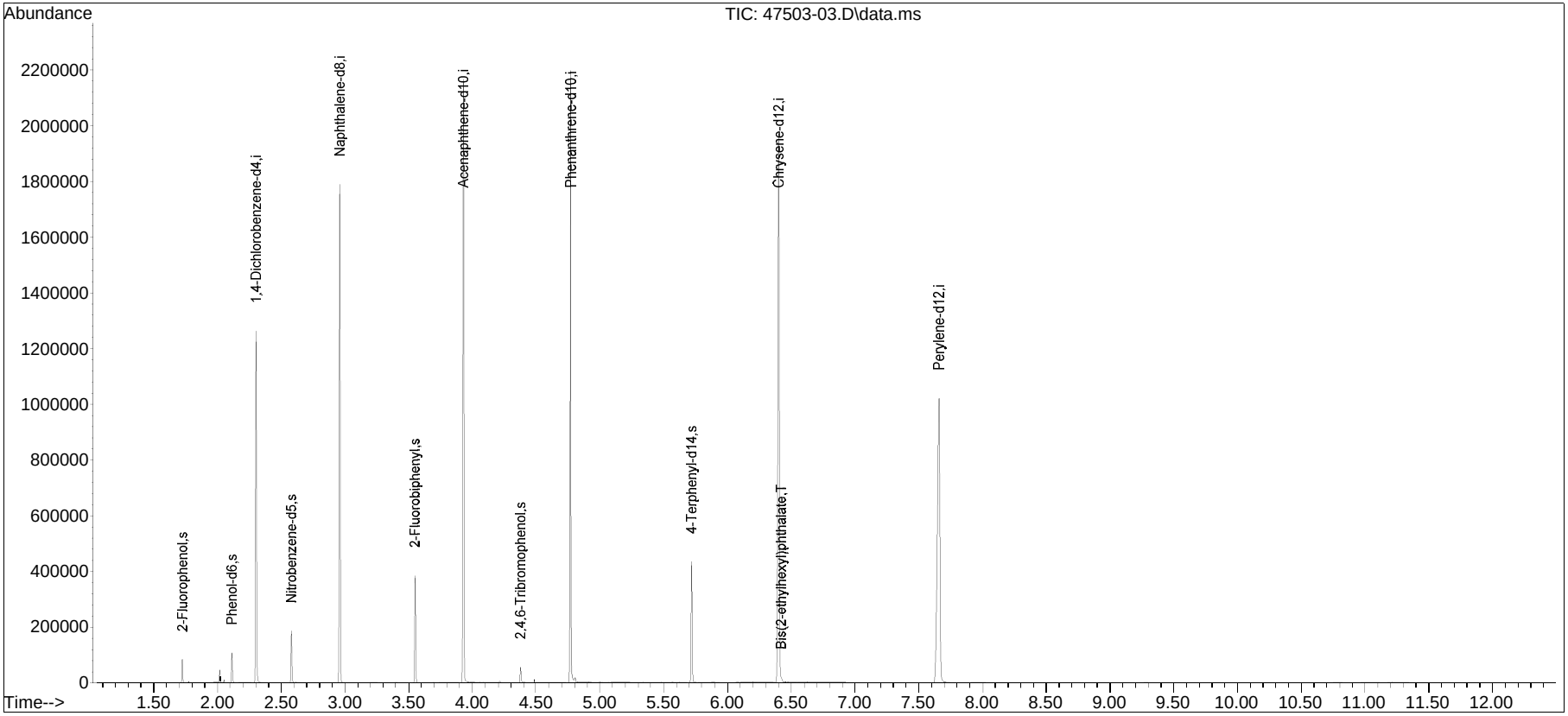
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-03.D
Acq On : 25 Aug 2024 04:32 pm
Operator : sv119:jjw
Sample : L2447503-03,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 27 13:09:29 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-03.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 4:32 pm	Instrument	: SV119
Sample	: L2447503-03,32,,jjw	Quant Date	: 8/25/2024 4:46 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-04.D
Acq On : 25 Aug 2024 04:48 pm
Operator : sv119:jjw
Sample : L2447503-04,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 13:13:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.305	152	301118	4000.000 ng/ml	0.00
Standard Area 1 = 292472			Recovery	= 102.96%	
8) Naphthalene-d8	2.959	136	1051962	4000.000 ng/ml	0.00
Standard Area 1 = 1019441			Recovery	= 103.19%	
17) Acenaphthene-d10	3.931	164	619099	4000.000 ng/ml	0.00
Standard Area 1 = 567003			Recovery	= 109.19%	
22) Phenanthrene-d10	4.772	188	1224751	4000.000 ng/ml	0.00
Standard Area 1 = 1214066			Recovery	= 100.88%	
31) Chrysene-d12	6.404	240	1111342	4000.000 ng/ml	0.00
Standard Area 1 = 1114425			Recovery	= 99.72%	
36) Perylene-d12	7.662	264	960586	4000.000 ng/ml	0.00
Standard Area 1 = 1176794			Recovery	= 81.63%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.752	112	81000	762.564 ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 38.13%	
3) Phenol-d6	2.120	99	75532	563.795 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 28.19%	
7) Nitrobenzene-d5	2.581	82	73547	625.850 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 62.59%	
13) 2-Fluorobiphenyl	3.551	172	190574	700.745 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 70.07%	
21) 2,4,6-Tribromophenol	4.374	330	63112	1460.025 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 73.00%	
30) 4-Terphenyl-d14	5.721	244	222356	656.739 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 32.84%	
Target Compounds					Qvalue
6) Hexachloroethane	0.000		0	N.D.	
9) Naphthalene	0.000		0	N.D. d	
10) Hexachlorobutadiene	0.000		0	N.D. d	
11) 2-Methylnaphthalene	0.000		0	N.D. d	
14) 2-Chloronaphthalene	0.000		0	N.D. d	
16) Acenaphthylene	0.000		0	N.D. d	
18) Acenaphthene	0.000		0	N.D. d	
20) Fluorene	0.000		0	N.D. d	
24) Hexachlorobenzene	0.000		0	N.D. d	
25) Pentachlorophenol	0.000		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-04.D
Acq On : 25 Aug 2024 04:48 pm
Operator : sv119:jjw
Sample : L2447503-04,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 13:13:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

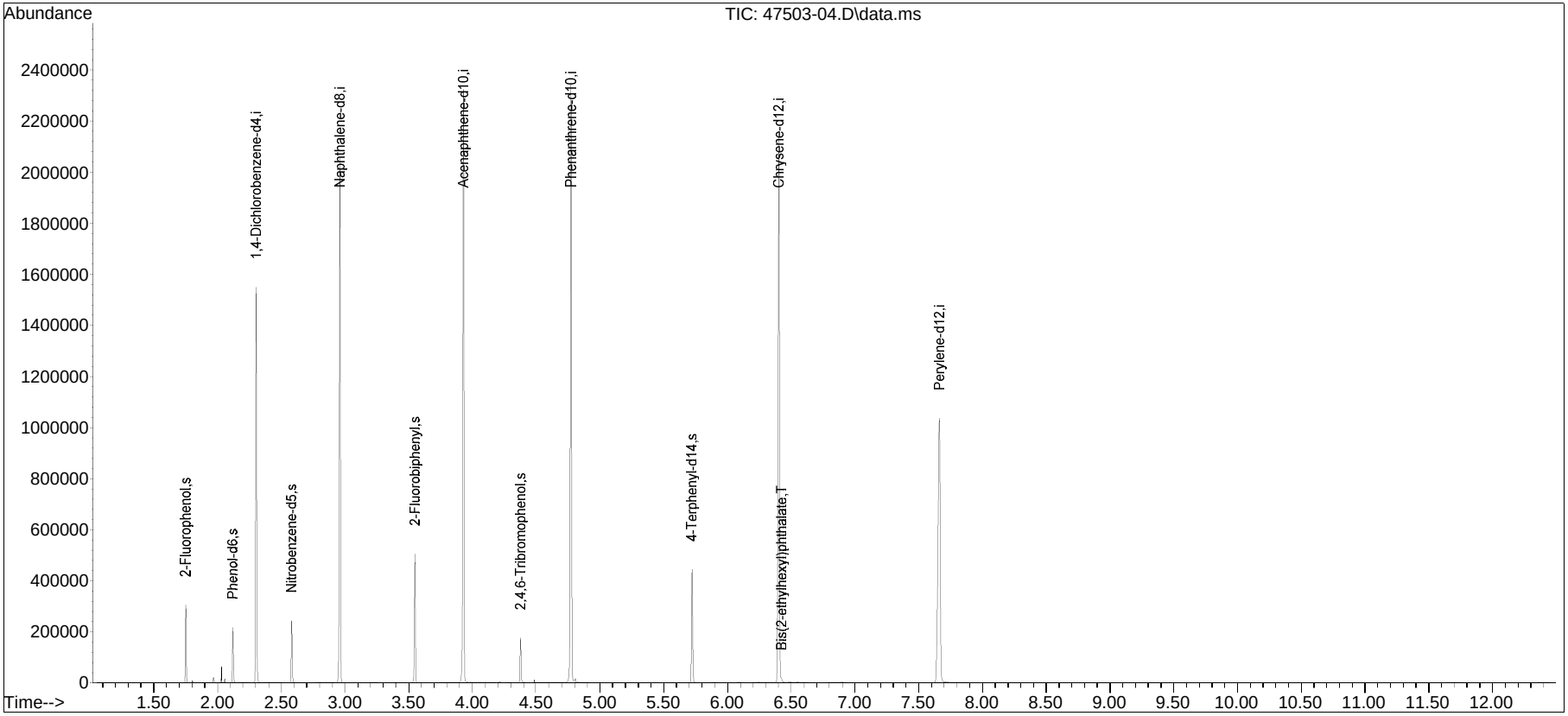
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-04.D
Acq On : 25 Aug 2024 04:48 pm
Operator : sv119:jjw
Sample : L2447503-04,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 27 13:13:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-04.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 4:48 pm	Instrument	: SV119
Sample	: L2447503-04,32,,jjw	Quant Date	: 8/25/2024 5:02 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-05.D
Acq On : 25 Aug 2024 05:21 pm
Operator : sv119:jjw
Sample : L2447503-05,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 13:15:55 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.300	152	209163	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 71.52%			
8) Naphthalene-d8	2.959	136	751899	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 73.76%			
17) Acenaphthene-d10	3.930	164	465545	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 82.11%			
22) Phenanthrene-d10	4.771	188	997061	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 82.13%			
31) Chrysene-d12	6.401	240	1007799	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 90.43%			
36) Perylene-d12	7.656	264	991272	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 84.23%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	59874	811.486	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.57%			
3) Phenol-d6	2.116	99	55625	597.739	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 29.89%			
7) Nitrobenzene-d5	2.578	82	56704	694.658	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.47%			
13) 2-Fluorobiphenyl	3.549	172	152509	784.571	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.46%			
21) 2,4,6-Tribromophenol	4.374	330	54989	1691.698	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 84.58%			
30) 4-Terphenyl-d14	5.719	244	207531	752.928	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 37.65%			

Target Compounds				Qvalue
6) Hexachloroethane	0.000	0	N.D.	
9) Naphthalene	0.000	0	N.D. d	
10) Hexachlorobutadiene	0.000	0	N.D.	
11) 2-Methylnaphthalene	0.000	0	N.D. d	
14) 2-Chloronaphthalene	0.000	0	N.D. d	
16) Acenaphthylene	0.000	0	N.D. d	
18) Acenaphthene	0.000	0	N.D. d	
20) Fluorene	0.000	0	N.D. d	
24) Hexachlorobenzene	0.000	0	N.D. d	
25) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-05.D
Acq On : 25 Aug 2024 05:21 pm
Operator : sv119:jjw
Sample : L2447503-05,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 13:15:55 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

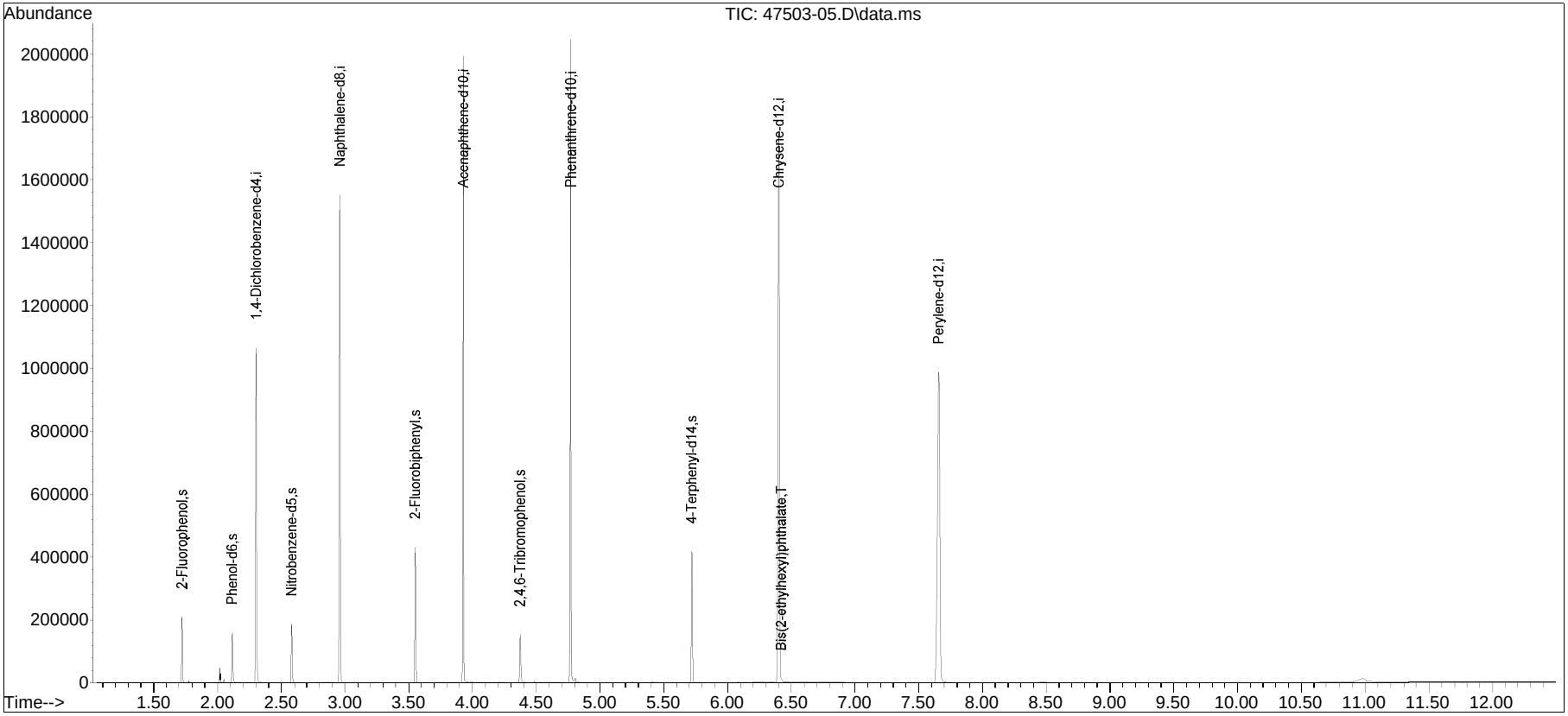
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-05.D
Acq On : 25 Aug 2024 05:21 pm
Operator : sv119:jjw
Sample : L2447503-05,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 27 13:15:55 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-05.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 5:21 pm	Instrument	: SV119
Sample	: L2447503-05,32,,jjw	Quant Date	: 8/25/2024 5:35 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-06.D
Acq On : 25 Aug 2024 05:38 pm
Operator : sv119:jjw
Sample : L2447503-06,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 13:17:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.300	152	218936	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 74.86%			
8) Naphthalene-d8	2.959	136	773530	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 75.88%			
17) Acenaphthene-d10	3.930	164	471551	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 83.17%			
22) Phenanthrene-d10	4.771	188	1001563	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 82.50%			
31) Chrysene-d12	6.404	240	1040519	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 93.37%			
36) Perylene-d12	7.664	264	1029607	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 87.49%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	19110	247.441	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 12.37%#			
3) Phenol-d6	2.116	99	27036	277.557	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 13.88%#			
7) Nitrobenzene-d5	2.578	82	57289	670.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 67.05%			
13) 2-Fluorobiphenyl	3.549	172	148833	744.249	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.42%			
21) 2,4,6-Tribromophenol	4.375	330	16928	514.145	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.71%			
30) 4-Terphenyl-d14	5.722	244	209919	758.168	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 37.91%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.		
25) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-06.D
Acq On : 25 Aug 2024 05:38 pm
Operator : sv119:jjw
Sample : L2447503-06,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 13:17:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

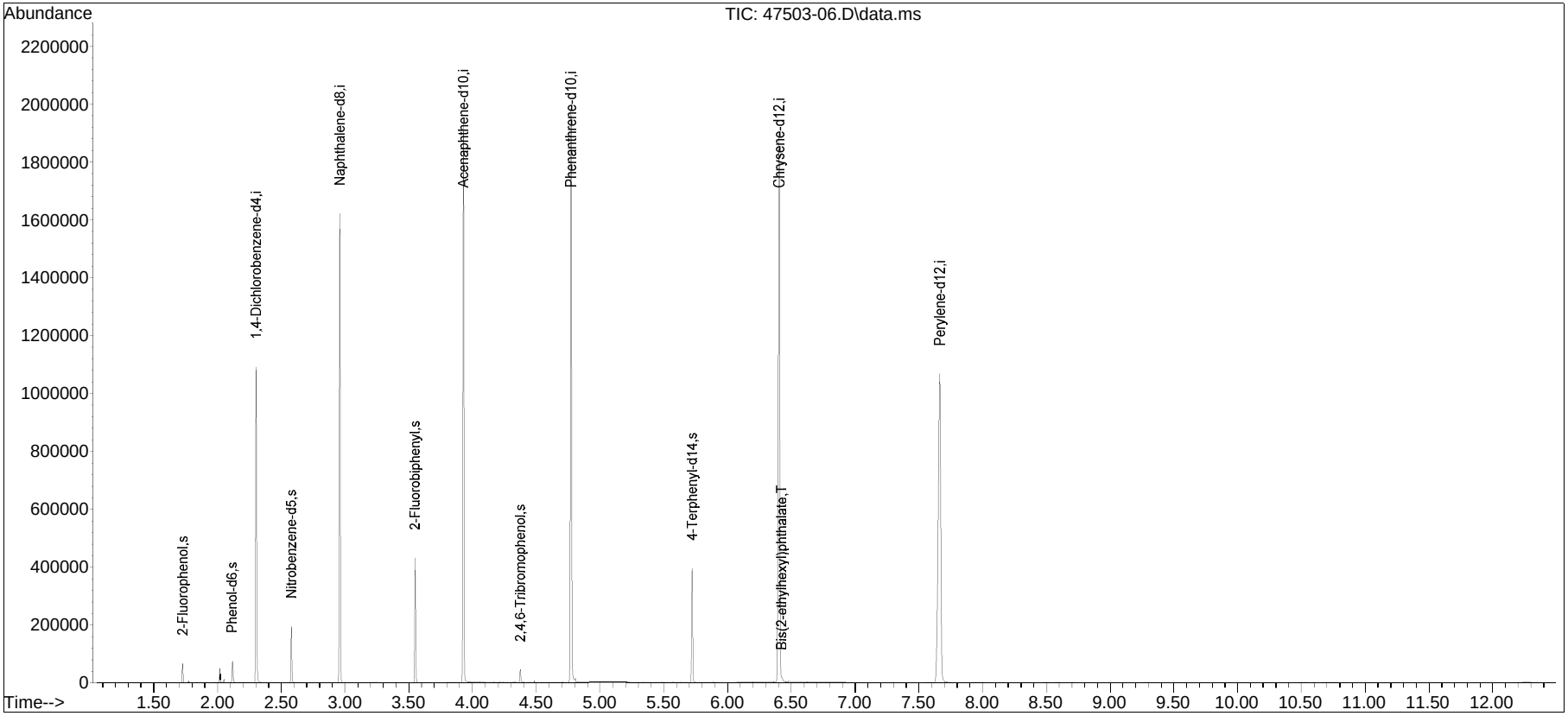
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-06.D
Acq On : 25 Aug 2024 05:38 pm
Operator : sv119:jjw
Sample : L2447503-06,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 27 13:17:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-06.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 5:38 pm	Instrument	: SV119
Sample	: L2447503-06,32,,jjw	Quant Date	: 8/25/2024 5:52 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-08.D
Acq On : 25 Aug 2024 05:54 pm
Operator : sv119:jjw
Sample : L2447503-08,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 13:20:00 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.302	152	238909	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 81.69%			
8) Naphthalene-d8	2.959	136	851684	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 83.54%			
17) Acenaphthene-d10	3.931	164	515787	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 90.97%			
22) Phenanthrene-d10	4.772	188	1054338	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 86.84%			
31) Chrysene-d12	6.400	240	1033542	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 92.74%			
36) Perylene-d12	7.658	264	970601	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 82.48%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.730	112	73410	871.065	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.55%			
3) Phenol-d6	2.117	99	67750	637.387	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.87%			
7) Nitrobenzene-d5	2.579	82	64850	695.536	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.55%			
13) 2-Fluorobiphenyl	3.551	172	167548	760.952	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.10%			
21) 2,4,6-Tribromophenol	4.374	330	61251	1700.793	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 85.04%			
30) 4-Terphenyl-d14	5.719	244	210480	722.143	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.11%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.		
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.557	284	294M7	4.061	ng/ml	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-08.D
Acq On : 25 Aug 2024 05:54 pm
Operator : sv119:jjw
Sample : L2447503-08,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 13:20:00 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	5.485	202	1645	3.909	ng/ml	99
29) Pyrene	5.623	202	1332M6	3.054	ng/ml	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

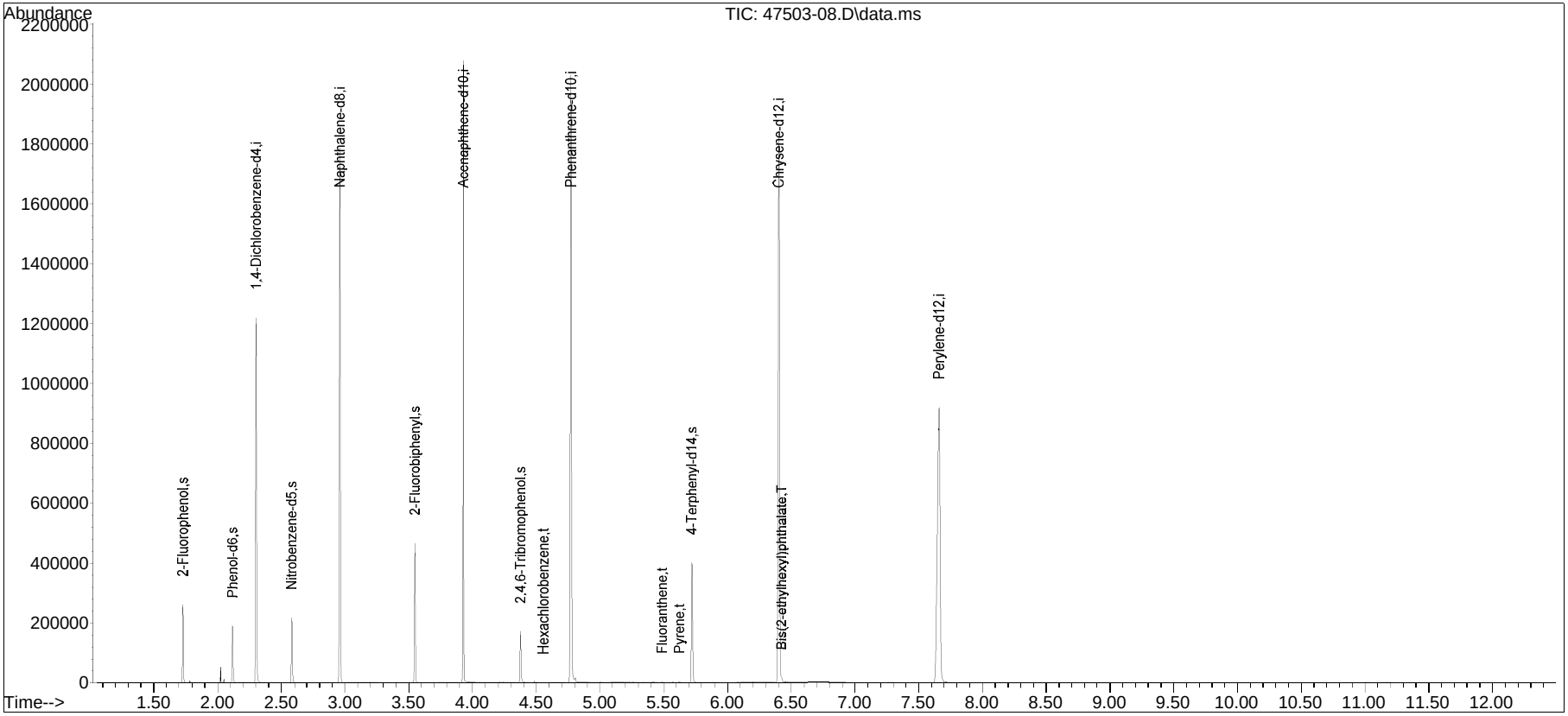
(#) = qualifier out of range (m) = manual integration (+) = signals summed

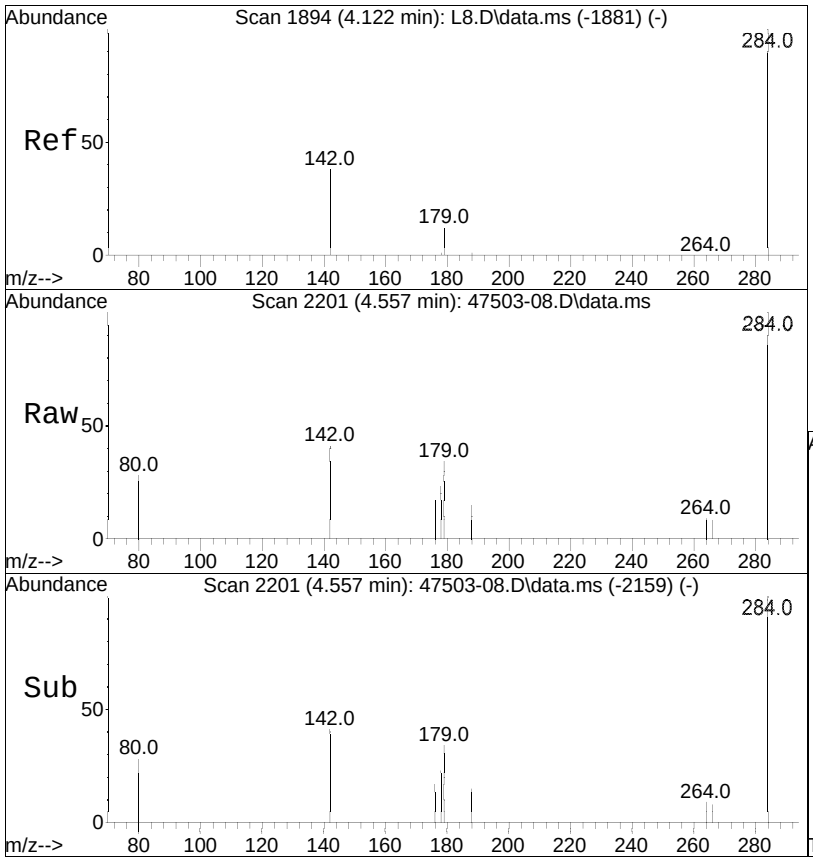
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-08.D
Acq On : 25 Aug 2024 05:54 pm
Operator : sv119:jjw
Sample : L2447503-08,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 27 13:20:00 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

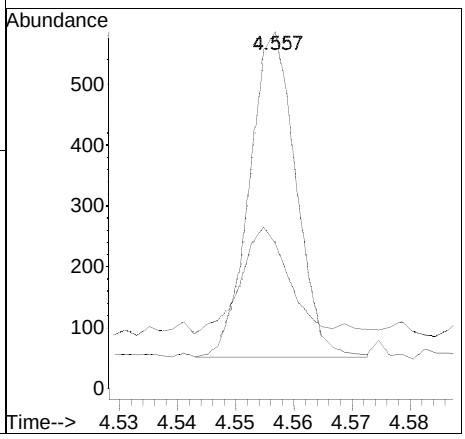


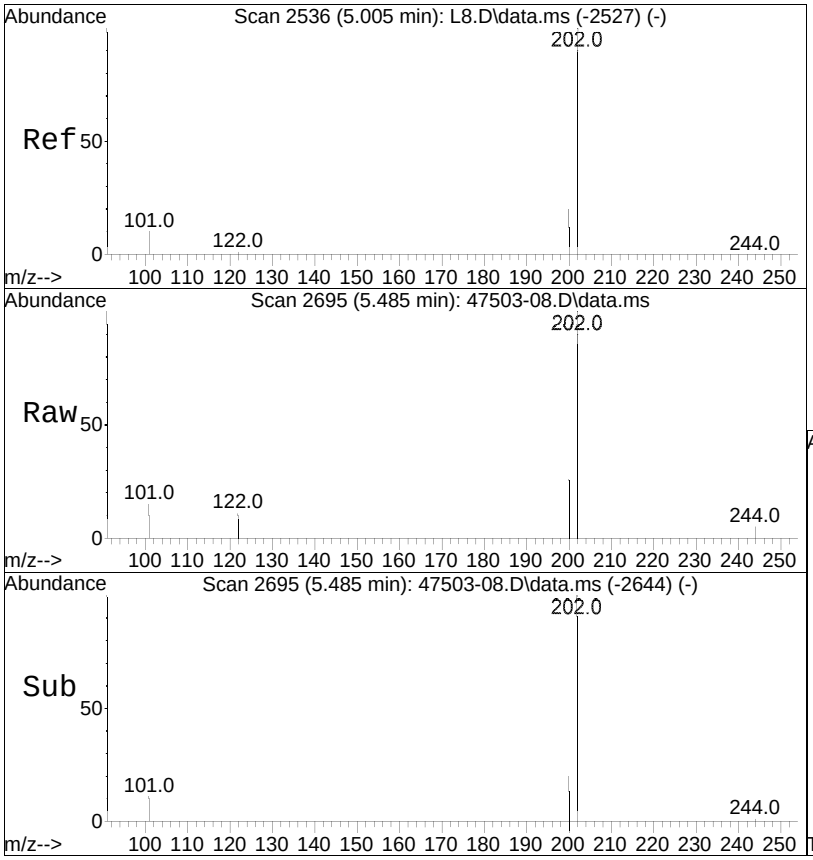


#24
Hexachlorobenzene
Concen: 4.06 ng/ml M7
RT: 4.557 min Scan# 2201
Delta R.T. 0.001 min
Lab File: 47503-08.D
Acq: 25 Aug 2024 05:54 pm

Tgt Ion:284 Resp: 294

Ion	Ratio	Lower	Upper
284	100		
142	35.4	30.0	45.0

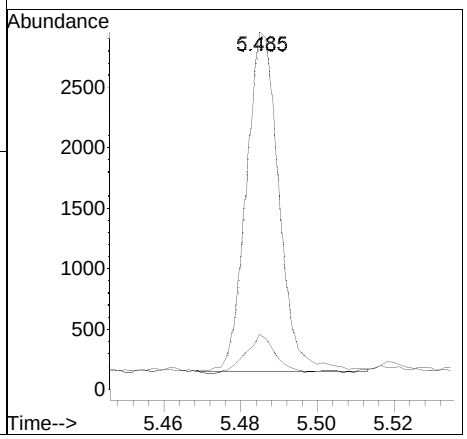


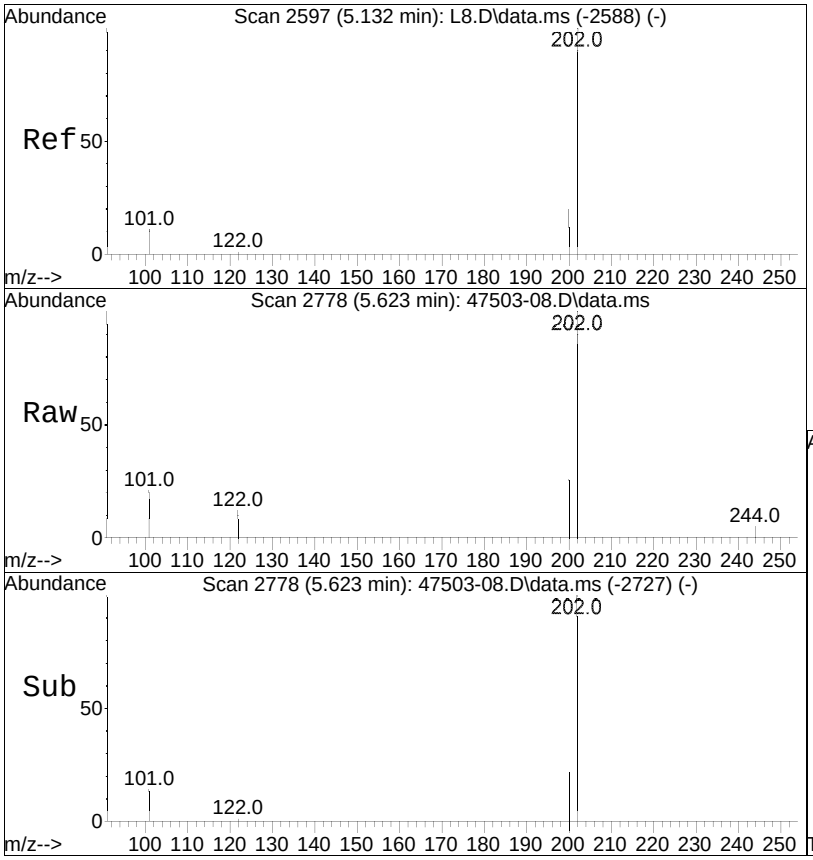


#28
Fluoranthene
Concen: 3.91 ng/ml
RT: 5.485 min Scan# 2695
Delta R.T. 0.004 min
Lab File: 47503-08.D
Acq: 25 Aug 2024 05:54 pm

Tgt Ion:202 Resp: 1645

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.1	12.1

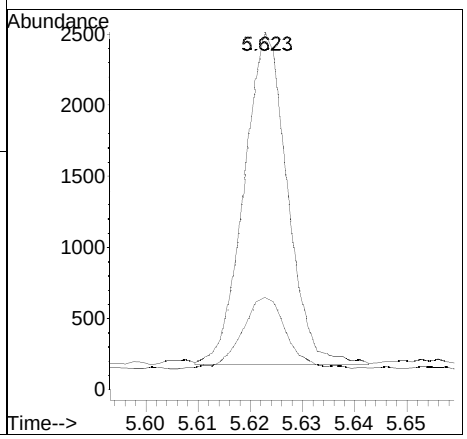




#29
Pyrene
Concen: 3.05 ng/ml M6
RT: 5.623 min Scan# 2778
Delta R.T. 0.004 min
Lab File: 47503-08.D
Acq: 25 Aug 2024 05:54 pm

Tgt Ion:202 Resp: 1332

Ion	Ratio	Lower	Upper
202	100		
200	22.7	16.5	24.7

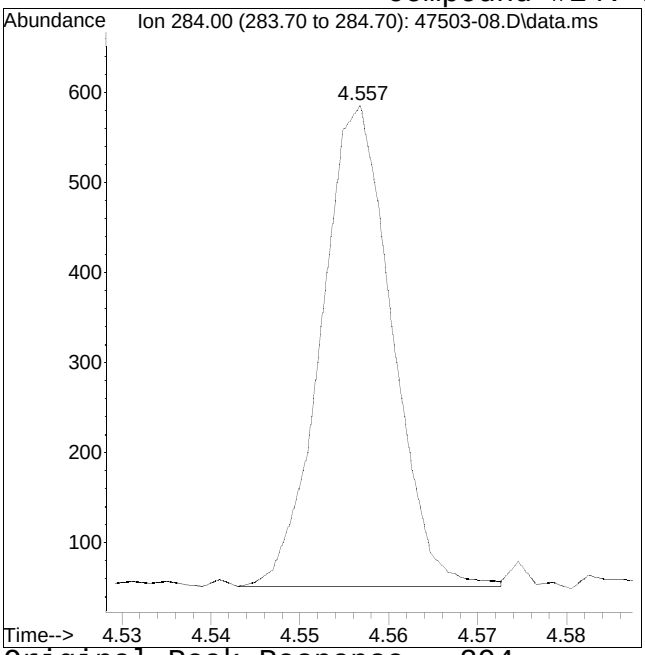


Manual Integration Report

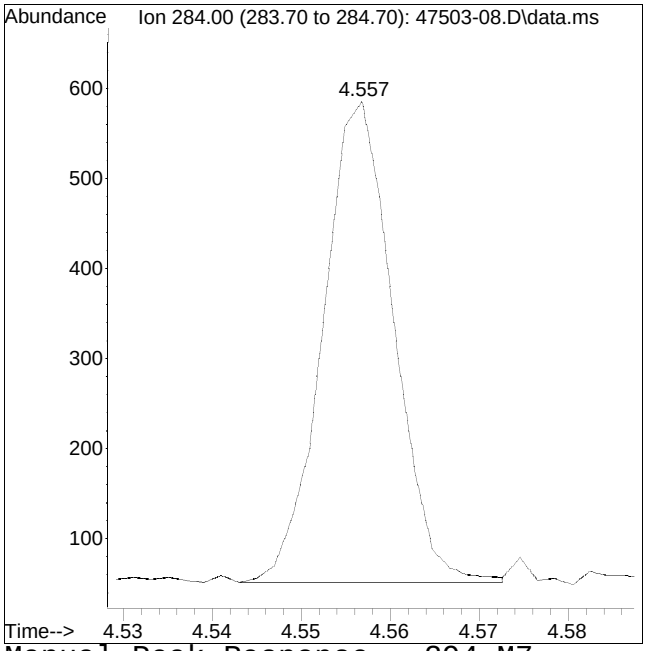
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 47503-08.D
Date Inj'd : 8/25/2024 5:54 pm
Sample : L2447503-08,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 6:08 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 294



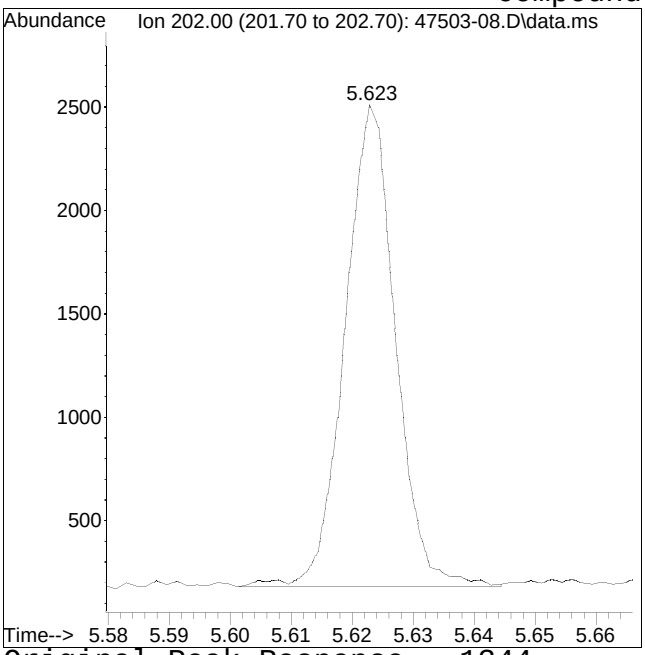
Manual Peak Response = 294 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

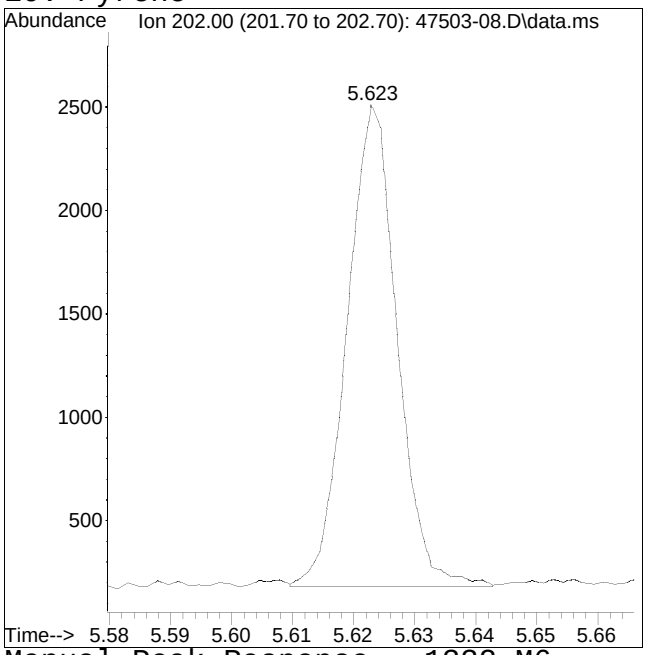
Manual Integration Report

Data Path : I:\8270SIM\sv119\240825RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 47503-08.D Operator : sv119:jjw
Date Inj'd : 8/25/2024 5:54 pm Instrument : SV119
Sample : L2447503-08,32,,jjw Quant Date : 8/25/2024 6:08 pm

Compound #29: Pyrene



Original Peak Response = 1344



Manual Peak Response = 1332 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-09.D
Acq On : 25 Aug 2024 06:11 pm
Operator : sv119:jjw
Sample : L2447503-09,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 13:21:16 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.301	152	220271	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 75.31%			
8) Naphthalene-d8	2.959	136	788988	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 77.39%			
17) Acenaphthene-d10	3.930	164	482682	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 85.13%			
22) Phenanthrene-d10	4.771	188	1018511	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 83.89%			
31) Chrysene-d12	6.402	240	1031700	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 92.58%			
36) Perylene-d12	7.664	264	992971	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 84.38%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.726	112	60316	776.252	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.81%			
3) Phenol-d6	2.116	99	56788	579.463	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.97%			
7) Nitrobenzene-d5	2.579	82	56648	658.975	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 65.90%			
13) 2-Fluorobiphenyl	3.549	172	148616	728.604	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.86%			
21) 2,4,6-Tribromophenol	4.374	330	50171	1488.676	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 74.43%			
30) 4-Terphenyl-d14	5.722	244	197858	702.716	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.14%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-09.D
Acq On : 25 Aug 2024 06:11 pm
Operator : sv119:jjw
Sample : L2447503-09,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 13:21:16 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

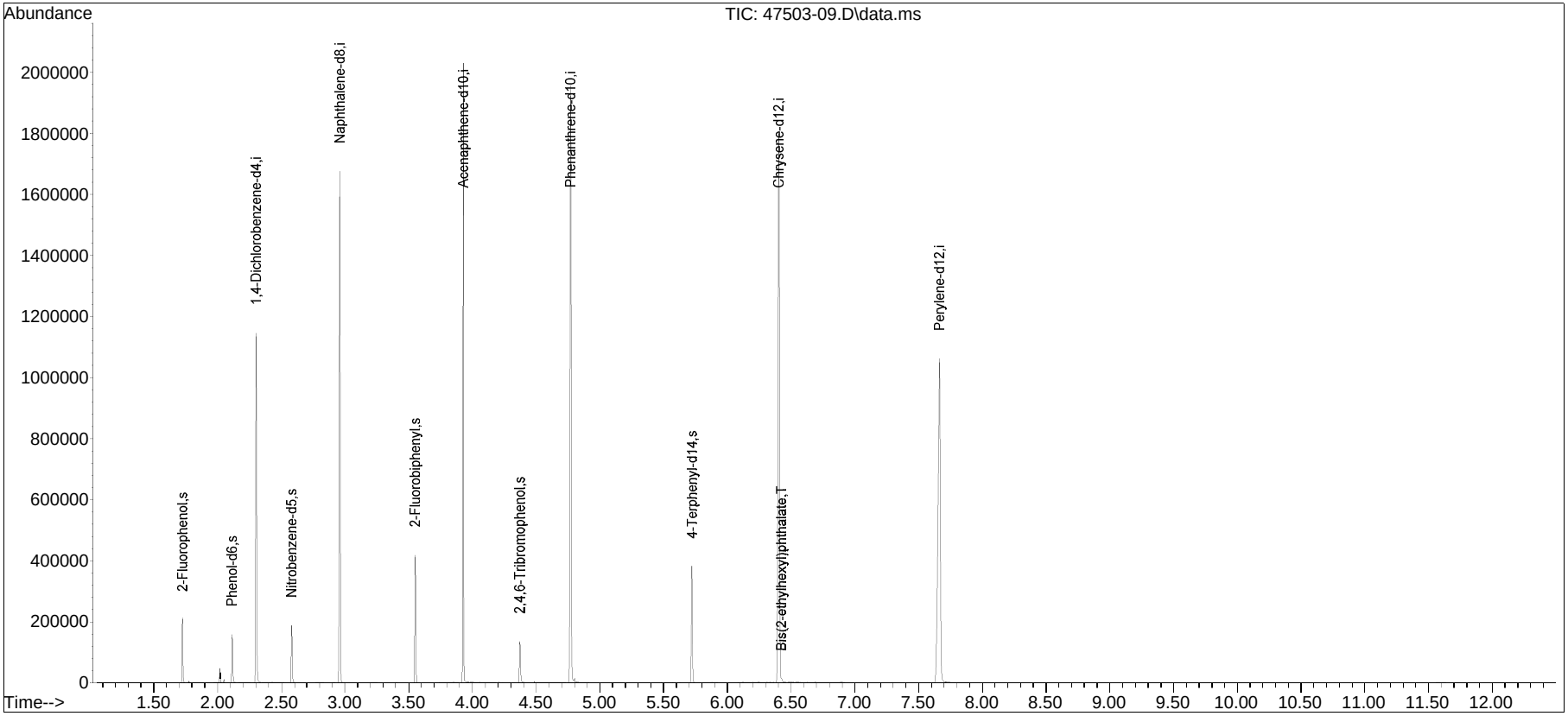
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-09.D
Acq On : 25 Aug 2024 06:11 pm
Operator : sv119:jjw
Sample : L2447503-09,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Aug 27 13:21:16 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-09.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 6:11 pm	Instrument	: SV119
Sample	: L2447503-09,32,,jjw	Quant Date	: 8/25/2024 6:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-10.D
Acq On : 25 Aug 2024 06:27 pm
Operator : sv119:jjw
Sample : L2447503-10,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 13:23:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.301	152	232811	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 79.60%			
8) Naphthalene-d8	2.959	136	825171	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 80.94%			
17) Acenaphthene-d10	3.930	164	497525	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 87.75%			
22) Phenanthrene-d10	4.772	188	1029825	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 84.82%			
31) Chrysene-d12	6.405	240	1030642	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 92.48%			
36) Perylene-d12	7.666	264	967324	4000.000	ng/ml	0.01
Standard Area 1 = 1176794			Recovery = 82.20%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.728	112	66541	810.240	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.51%			
3) Phenol-d6	2.116	99	60960	588.529	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 29.43%			
7) Nitrobenzene-d5	2.579	82	57738	635.478	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 63.55%			
13) 2-Fluorobiphenyl	3.549	172	149845	702.417	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.24%			
21) 2,4,6-Tribromophenol	4.375	330	54520	1569.457	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 78.47%			
30) 4-Terphenyl-d14	5.722	244	200097	702.861	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 35.14%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D.
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-10.D
Acq On : 25 Aug 2024 06:27 pm
Operator : sv119:jjw
Sample : L2447503-10,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 13:23:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

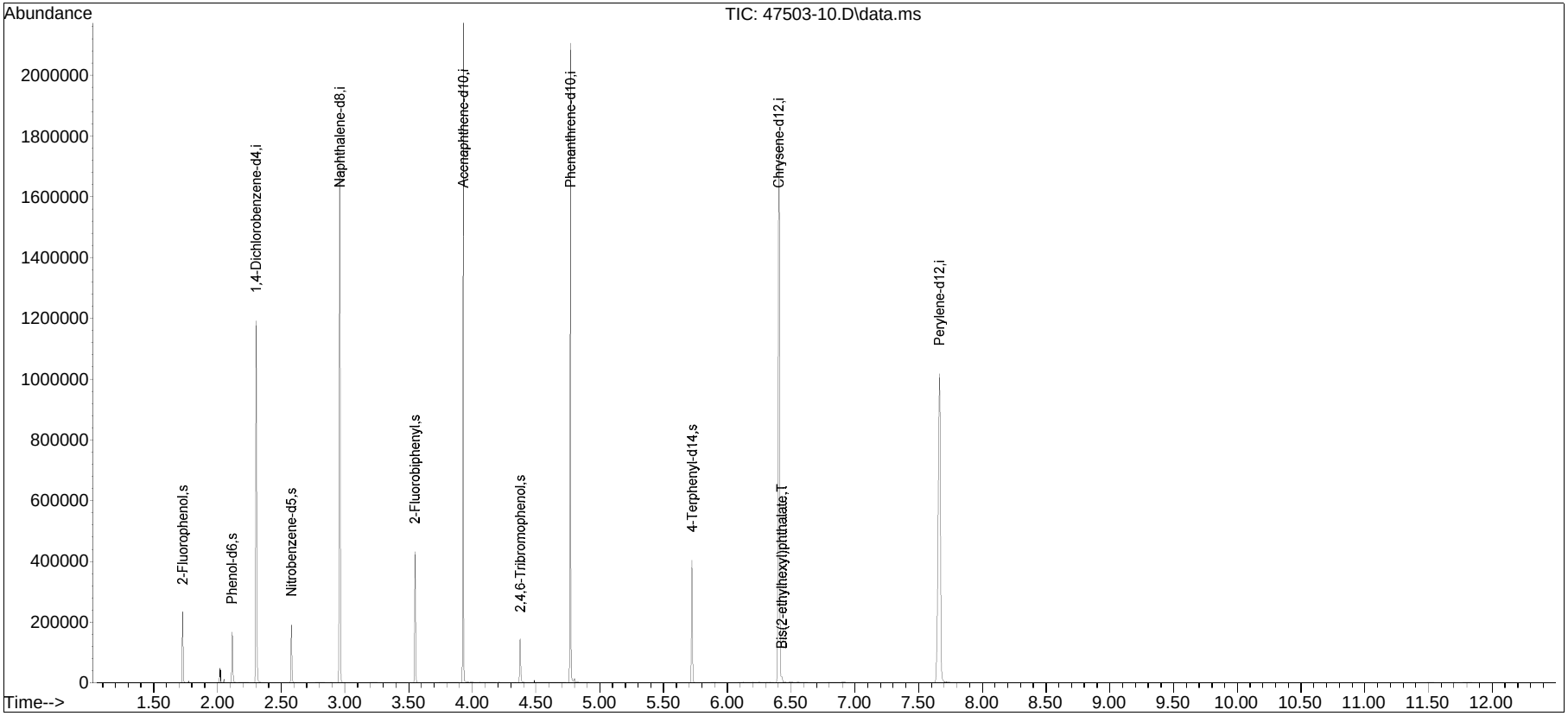
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-10.D
Acq On : 25 Aug 2024 06:27 pm
Operator : sv119:jjw
Sample : L2447503-10,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 27 13:23:07 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 47503-10.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 6:27 pm	Instrument	: SV119
Sample	: L2447503-10,32,,jjw	Quant Date	: 8/25/2024 6:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-11.D
Acq On : 25 Aug 2024 06:44 pm
Operator : sv119:jjw
Sample : L2447503-11,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 13:25:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.304	152	283390	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 96.89%			
8) Naphthalene-d8	2.960	136	983246	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 96.45%			
17) Acenaphthene-d10	3.931	164	578548	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 102.04%			
22) Phenanthrene-d10	4.772	188	1156220	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 95.24%			
31) Chrysene-d12	6.403	240	1047183	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 93.97%			
36) Perylene-d12	7.658	264	903016	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 76.74%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.748	112	30633	306.431	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 15.32%			
3) Phenol-d6	2.120	99	47995	380.661	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 19.03%			
7) Nitrobenzene-d5	2.581	82	67266	608.209	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 60.82%			
13) 2-Fluorobiphenyl	3.550	172	165114	649.558	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.96%			
21) 2,4,6-Tribromophenol	4.374	330	25540	632.252	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.61%			
30) 4-Terphenyl-d14	5.719	244	200304	626.673	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 31.33%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.971	128	2115M4	7.791	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	3.347	142	958	4.696	ng/ml	96
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-11.D
Acq On : 25 Aug 2024 06:44 pm
Operator : sv119:jjw
Sample : L2447503-11,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 13:25:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

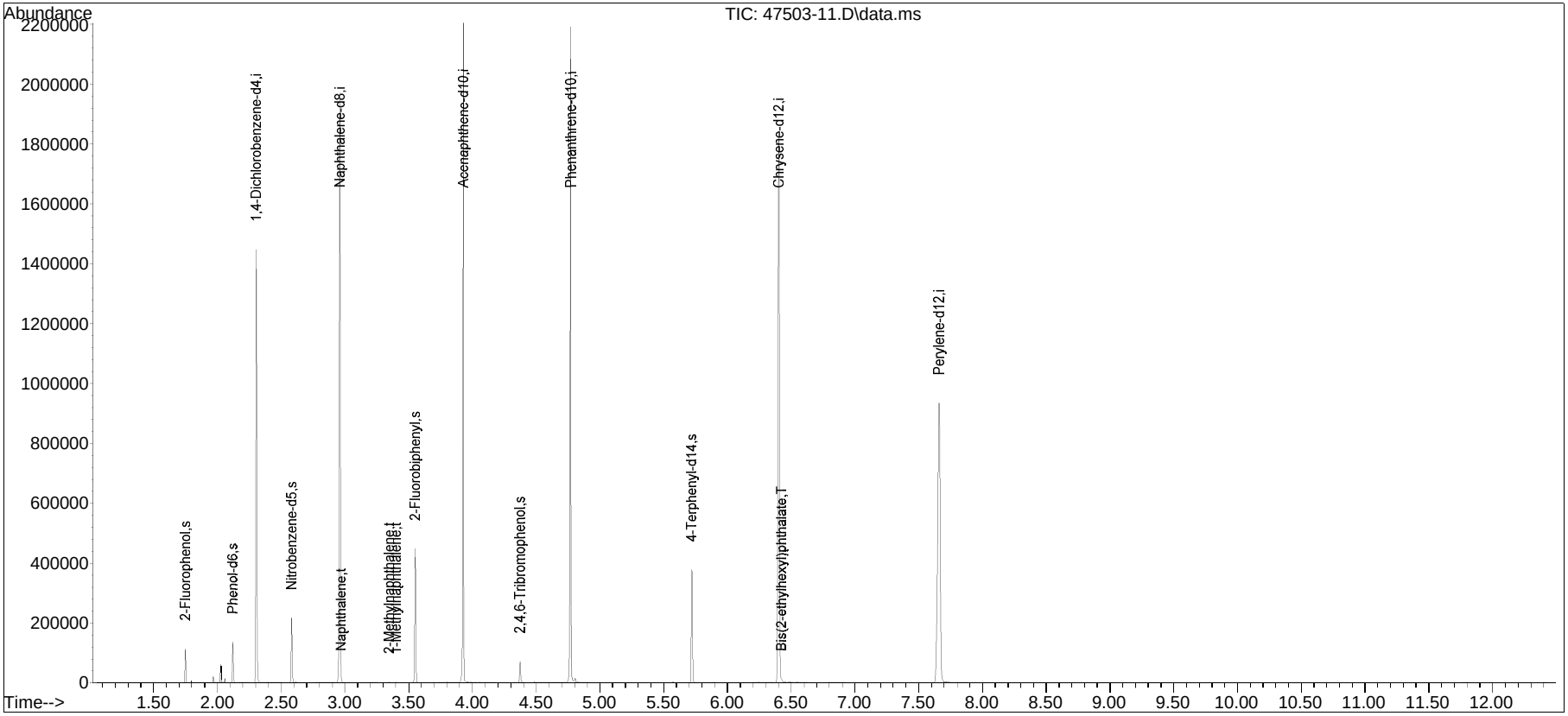
(#) = qualifier out of range (m) = manual integration (+) = signals summed

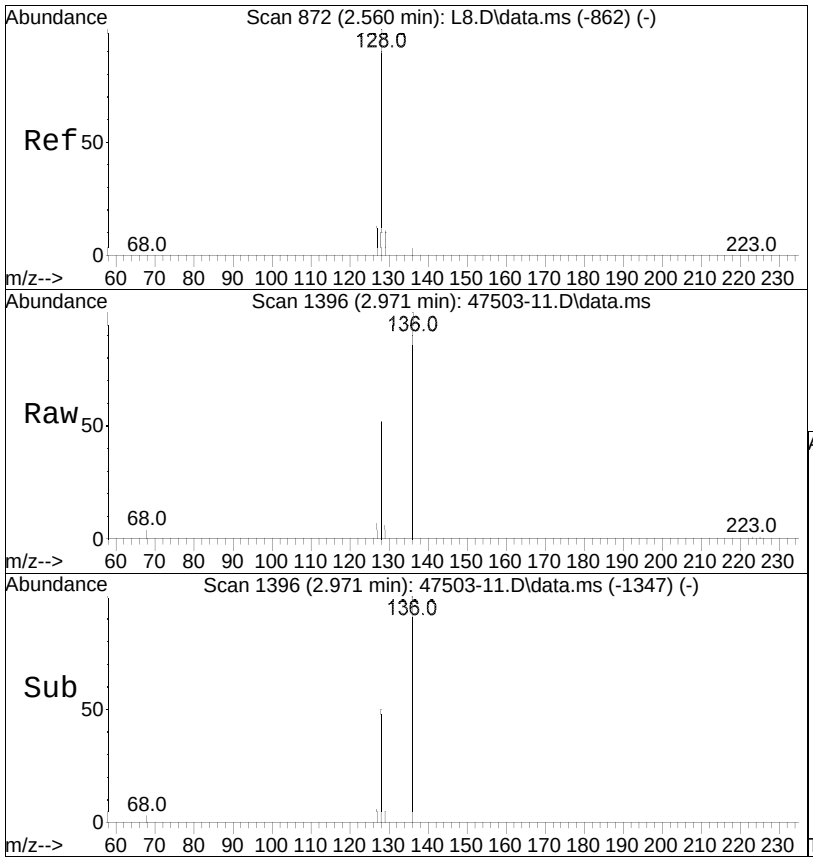
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-11.D
Acq On : 25 Aug 2024 06:44 pm
Operator : sv119:jjw
Sample : L2447503-11,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 27 13:25:41 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

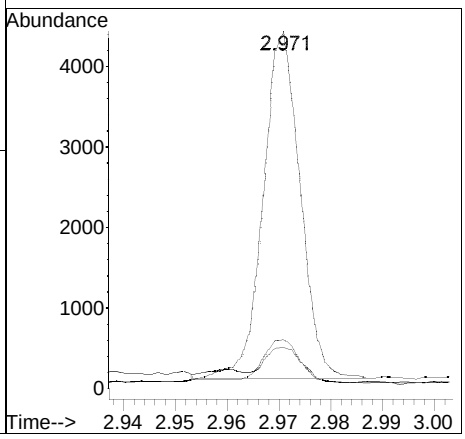


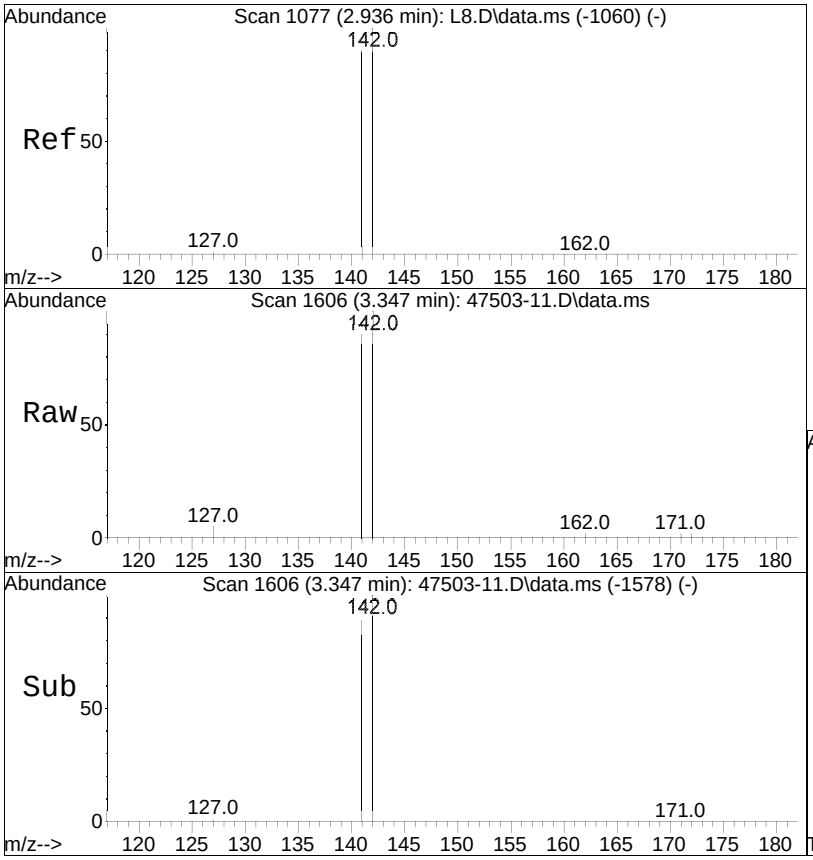


#9
Naphthalene
Concen: 7.79 ng/ml M4
RT: 2.971 min Scan# 1396
Delta R.T. -0.001 min
Lab File: 47503-11.D
Acq: 25 Aug 2024 06:44 pm

Tgt Ion:128 Resp: 2115

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.3	10.6	15.8

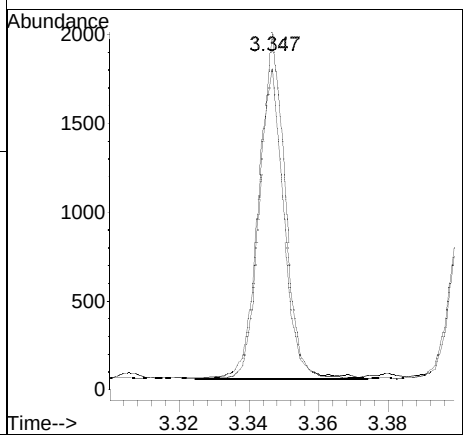




#11
2-Methylnaphthalene
Concen: 4.70 ng/ml
RT: 3.347 min Scan# 1606
Delta R.T. -0.002 min
Lab File: 47503-11.D
Acq: 25 Aug 2024 06:44 pm

Tgt Ion:142 Resp: 958

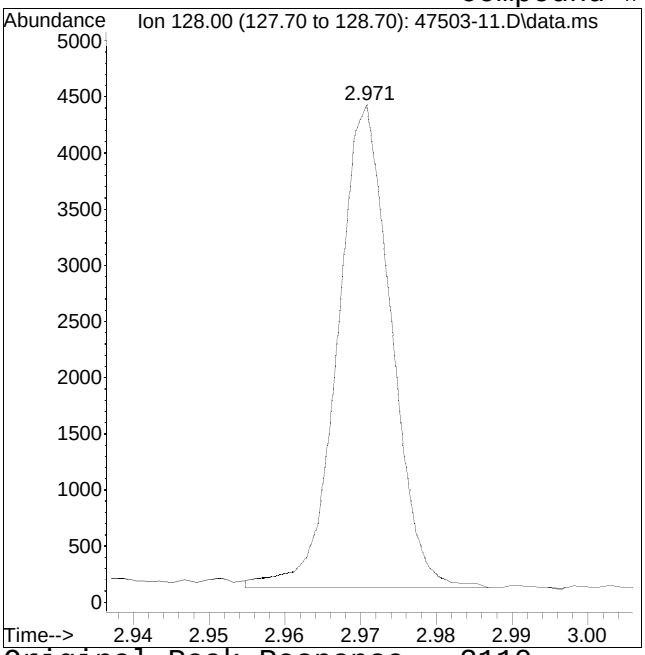
Ion	Ratio	Lower	Upper
142	100		
141	94.2	72.3	108.5



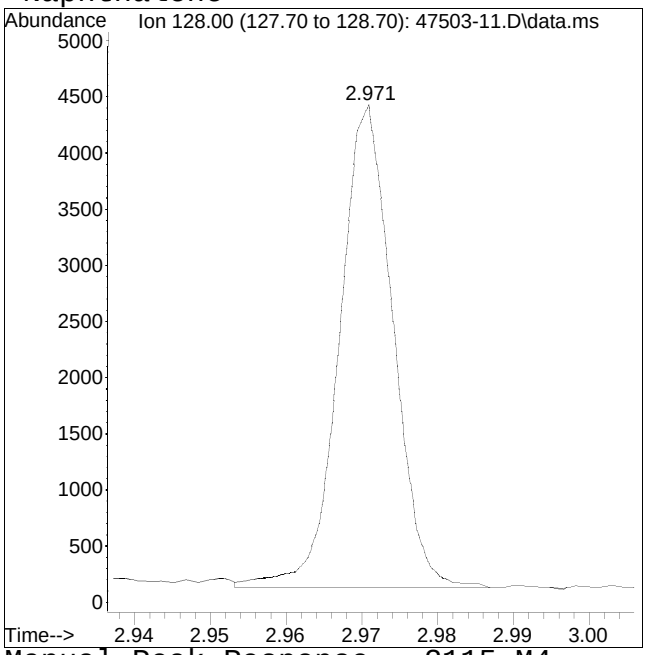
Manual Integration Report

Data Path : I:\8270SIM\sv119\240825RVTQMethod : SIM-RVT_240621_sv119.M
Data File : 47503-11.D Operator : sv119:jjw
Date Inj'd : 8/25/2024 6:44 pm Instrument : SV119
Sample : L2447503-11,32,,jjw Quant Date : 8/25/2024 6:58 pm

Compound #9: Naphthalene



Original Peak Response = 2110



Manual Peak Response = 2115 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-07.D
Acq On : 25 Aug 2024 07:00 pm
Operator : sv119:jjw
Sample : L2447503-07,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 13:18:23 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.303	152	254487	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 87.01%			
8) Naphthalene-d8	2.959	136	877785	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 86.10%			
17) Acenaphthene-d10	3.930	164	518701	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 91.48%			
22) Phenanthrene-d10	4.771	188	1059224	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 87.25%			
31) Chrysene-d12	6.400	240	1013835	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 90.97%			
36) Perylene-d12	7.656	264	910630	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 77.38%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.741	112	19146	213.275	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 10.66%#			
3) Phenol-d6	2.119	99	29565	261.119	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 13.06%#			
7) Nitrobenzene-d5	2.579	82	65333	657.823	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 65.78%			
13) 2-Fluorobiphenyl	3.549	172	165256	728.225	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.82%			
21) 2,4,6-Tribromophenol	4.375	330	15856	437.809	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 21.89%			
30) 4-Terphenyl-d14	5.719	244	204735	699.192	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 34.96%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.970	128	1432M1	5.909	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.		
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-07.D
Acq On : 25 Aug 2024 07:00 pm
Operator : sv119:jjw
Sample : L2447503-07,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 13:18:23 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.		
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
41) Dibenzo[a,h]anthracene	0.000		0	N.D.		
42) Benzo[g,h,i]perylene	0.000		0	N.D.		

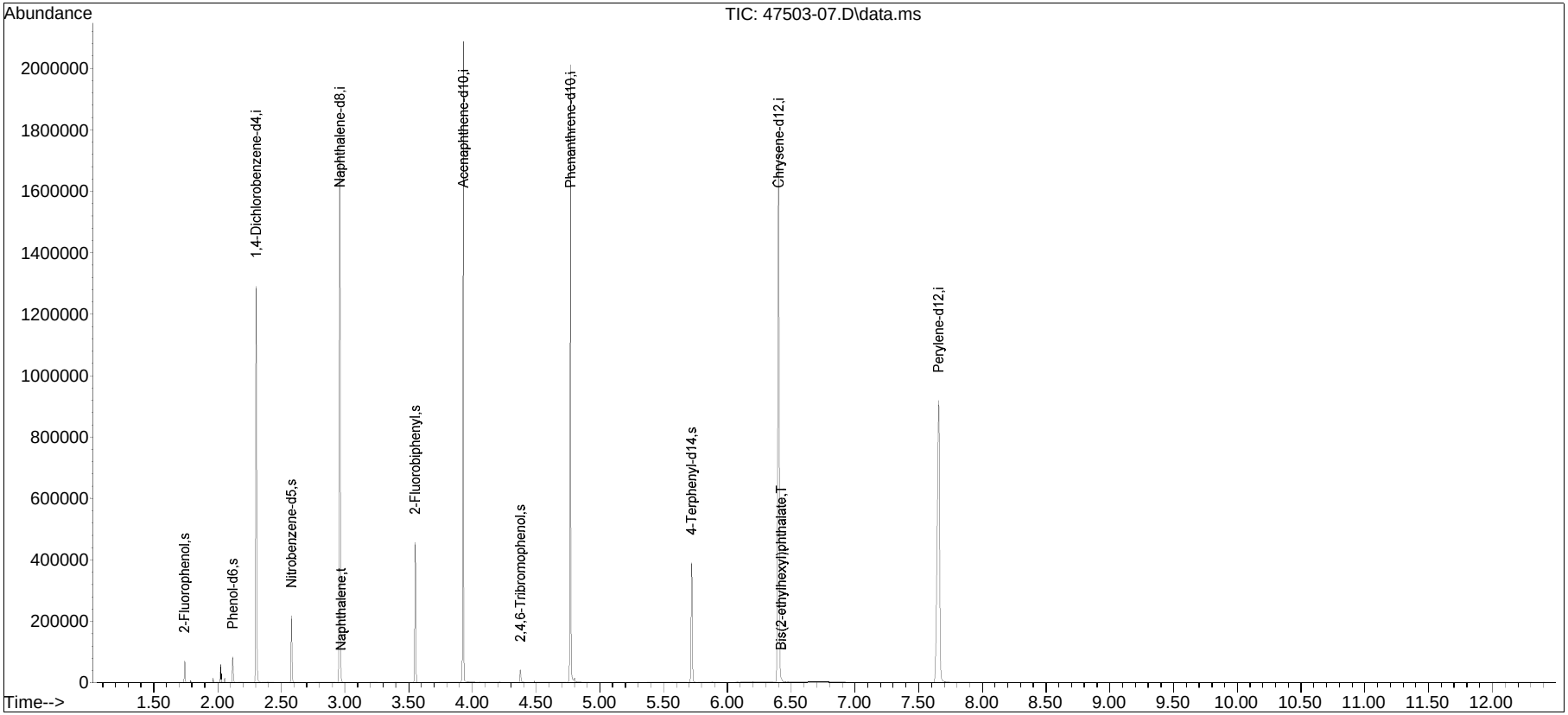
(#) = qualifier out of range (m) = manual integration (+) = signals summed

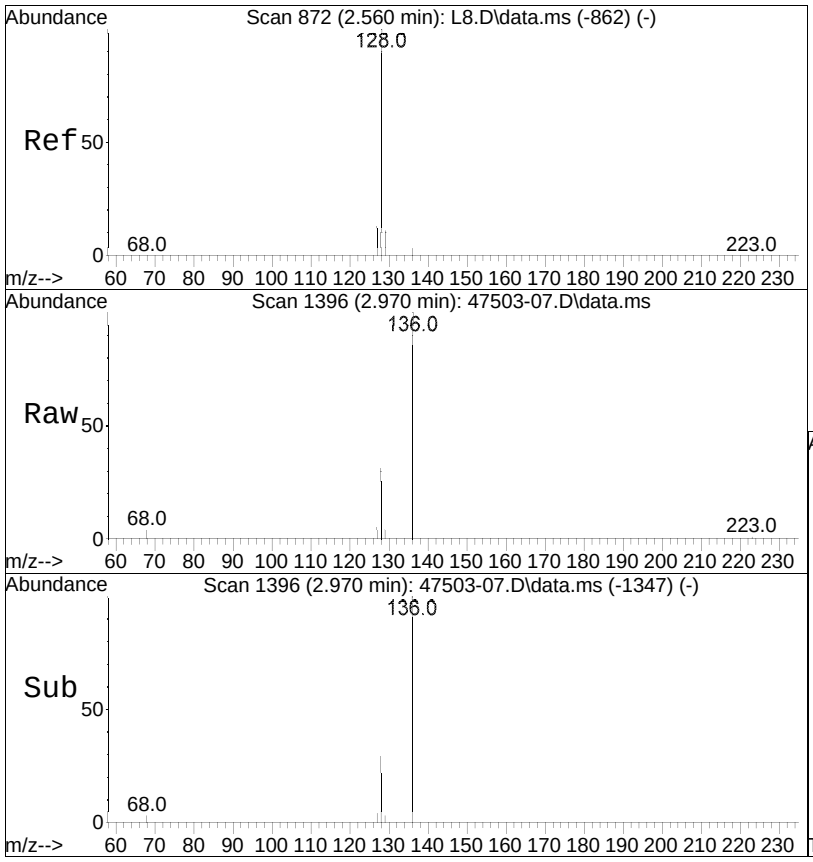
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 47503-07.D
Acq On : 25 Aug 2024 07:00 pm
Operator : sv119:jjw
Sample : L2447503-07,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 27 13:18:23 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

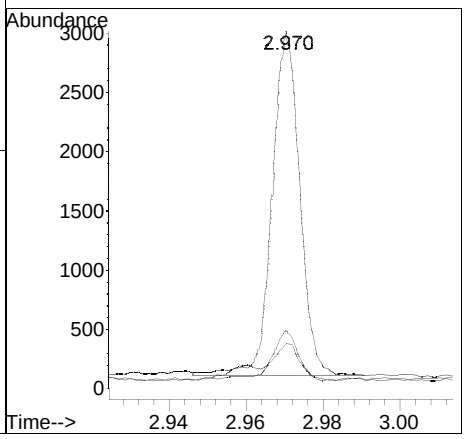




#9
Naphthalene
Concen: 5.91 ng/ml M1
RT: 2.970 min Scan# 1396
Delta R.T. -0.001 min
Lab File: 47503-07.D
Acq: 25 Aug 2024 07:00 pm

Tgt Ion:128 Resp: 1432

Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.0	13.4
127	15.0	10.6	15.8

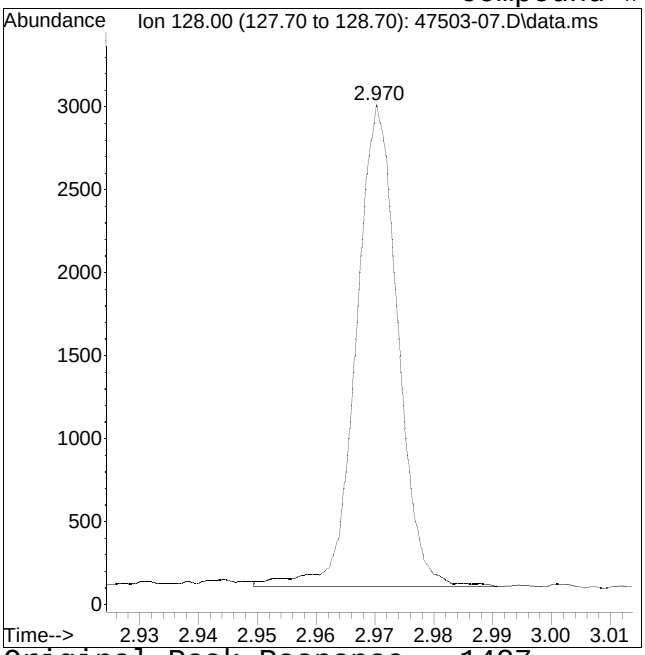


Manual Integration Report

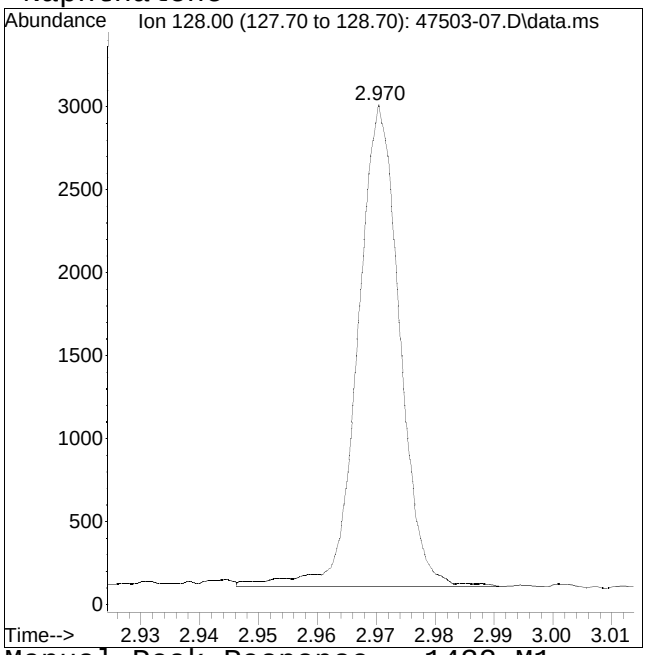
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 47503-07.D
Date Inj'd : 8/25/2024 7:00 pm
Sample : L2447503-07,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 7:14 pm

Compound #9: Naphthalene



Original Peak Response = 1427



Manual Peak Response = 1432 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 09:53 am
Operator : SV120:rp
Sample : L2447503-02,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 17:14:23 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.180	152	333310	4000.000	ng/ml	0.01
Standard Area 1 = 454641			Recovery = 73.31%			
8) Naphthalene-d8	2.838	136	1331967	4000.000	ng/ml	0.00
Standard Area 1 = 1780821			Recovery = 74.80%			
17) Acenaphthene-d10	3.808	164	773457	4000.000	ng/ml	0.00
Standard Area 1 = 1044720			Recovery = 74.03%			
22) Phenanthrene-d10	4.640	188	1460403	4000.000	ng/ml	0.00
Standard Area 1 = 2173941			Recovery = 67.18%			
31) Chrysene-d12	6.173	240	1270367	4000.000	ng/ml	-0.02
Standard Area 1 = 1787578			Recovery = 71.07%			
36) Perylene-d12	7.301	264	1289605	4000.000	ng/ml	-0.03
Standard Area 1 = 1774909			Recovery = 72.66%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	49016	495.094	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.75%			
3) Phenol-d6	2.001	99	58422	485.107	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.26%			
7) Nitrobenzene-d5	2.458	82	97946	999.285	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.93%			
13) 2-Fluorobiphenyl	3.433	172	243279	847.564	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.76%			
21) 2,4,6-Tribromophenol	4.252	330	33076	776.754	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.84%			
30) 4-Terphenyl-d14	5.554	244	282865	924.860	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.24%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.849	128	4558M4	11.917	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.		
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) Acenaphthylene	0.000		0	N.D.	d	
18) Acenaphthene	0.000		0	N.D.	d	
20) Fluorene	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.		
25) Pentachlorophenol	4.543	266	360	46.391	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 09:53 am
Operator : SV120:rp
Sample : L2447503-02,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 17:14:23 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

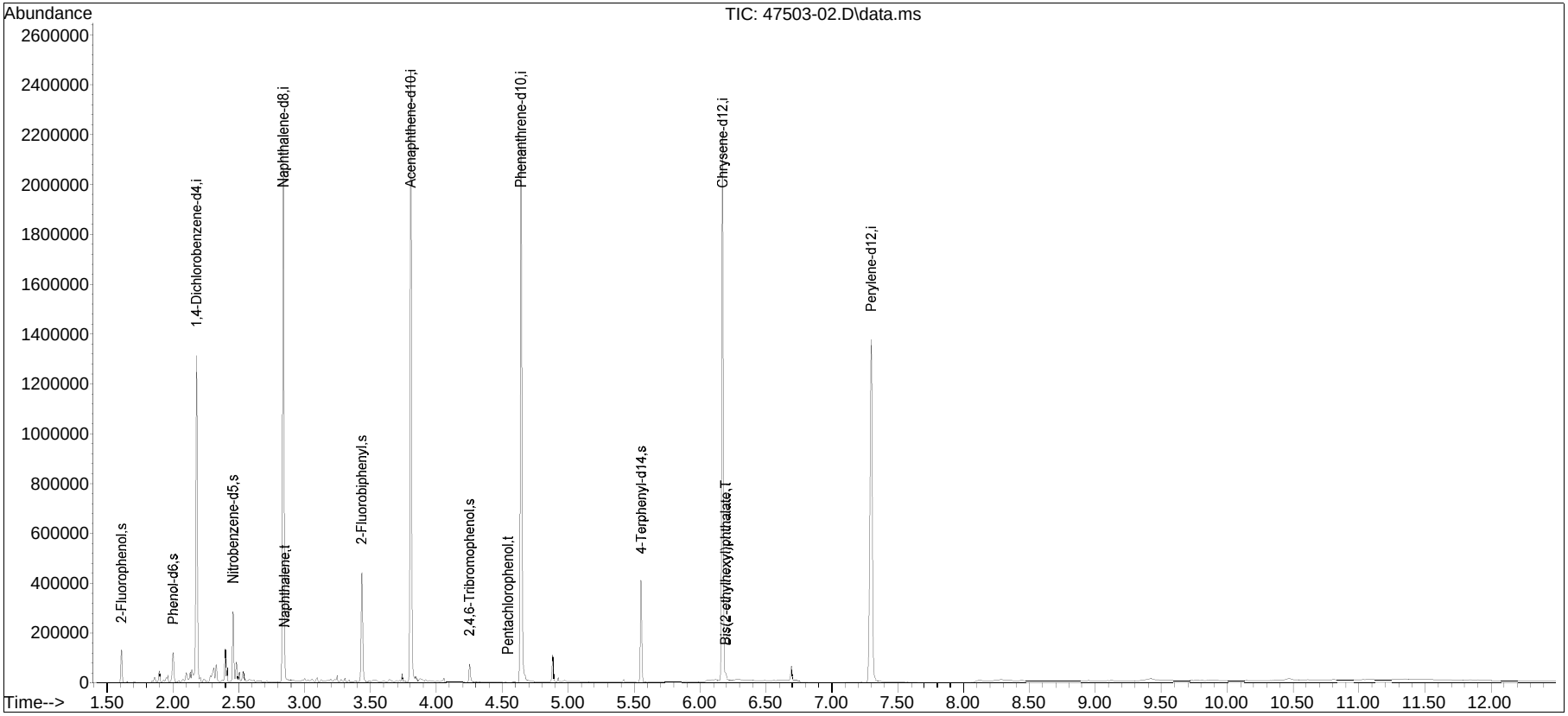
(#) = qualifier out of range (m) = manual integration (+) = signals summed

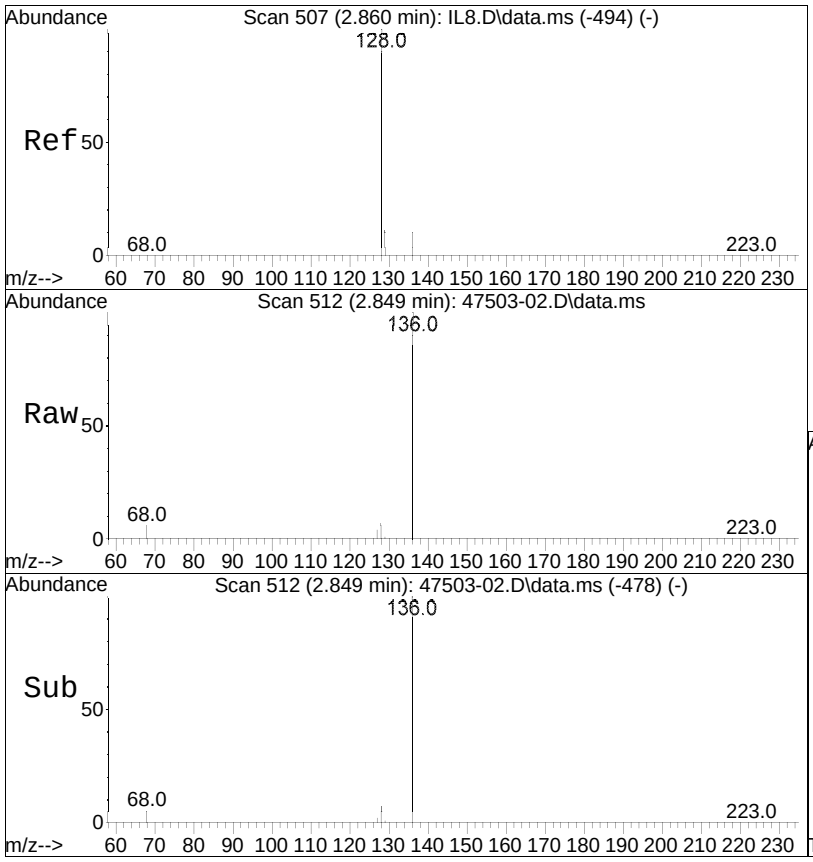
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 47503-02.D
Acq On : 27 Aug 2024 09:53 am
Operator : SV120:rp
Sample : L2447503-02,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 17:14:23 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0827.D•

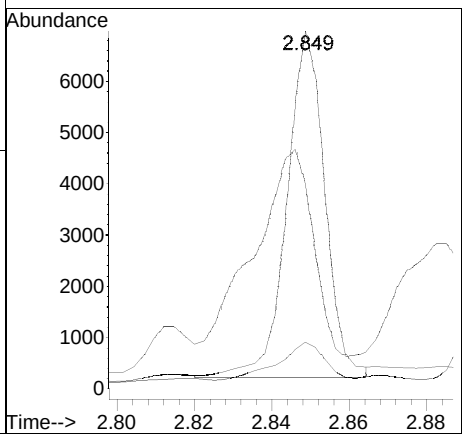


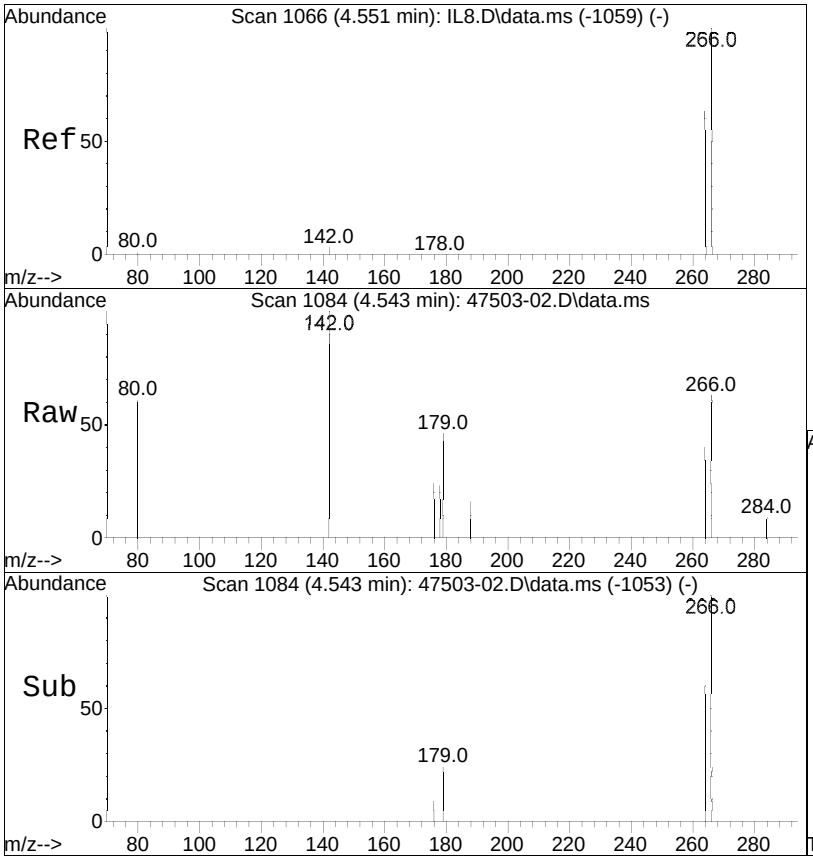


#9
Naphthalene
Concen: 11.92 ng/ml M4
RT: 2.849 min Scan# 512
Delta R.T. 0.008 min
Lab File: 47503-02.D
Acq: 27 Aug 2024 09:53 am

Tgt Ion:128 Resp: 4558

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	59.5	0.0	0.0#

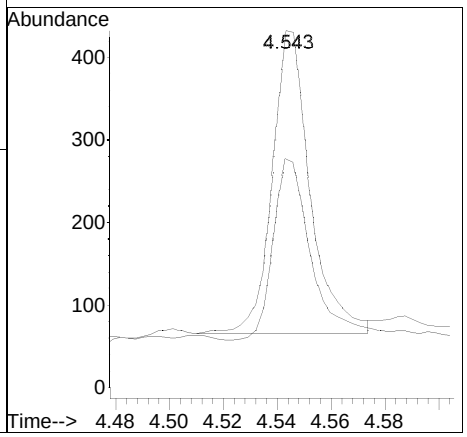




#25
Pentachlorophenol
Concen: 46.39 ng/ml
RT: 4.543 min Scan# 1084
Delta R.T. 0.006 min
Lab File: 47503-02.D
Acq: 27 Aug 2024 09:53 am

Tgt Ion:266 Resp: 360

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.2	75.4

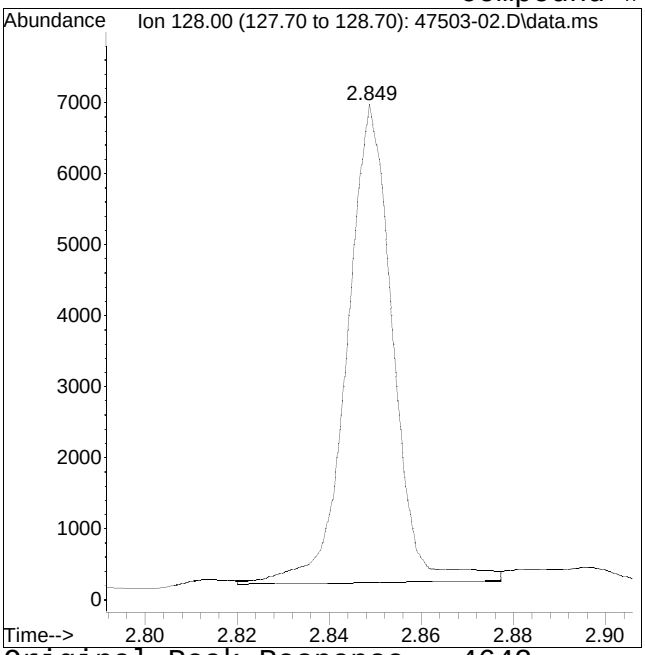


Manual Integration Report

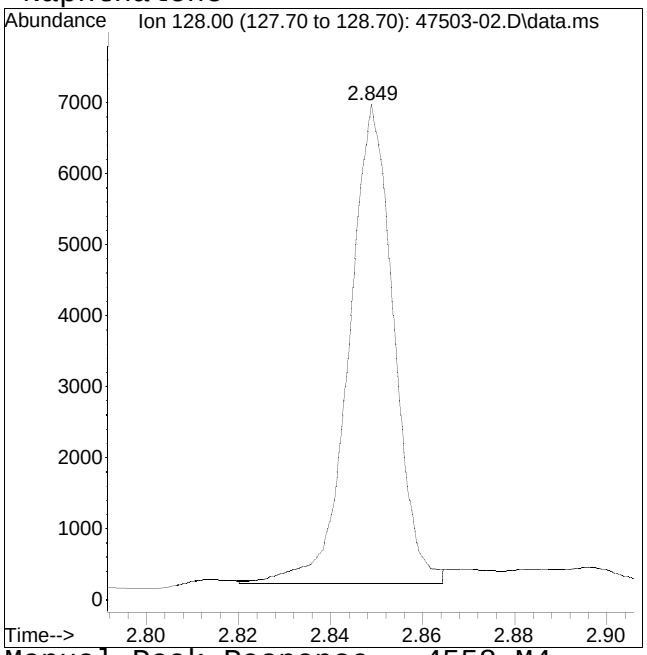
Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : 47503-02.D
Date Inj'd : 8/27/2024 9:53 am
Sample : L2447503-02,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:28 pm

Compound #9: Naphthalene



Original Peak Response = 4642



Manual Peak Response = 4558 M4

M4 = Poor automated baseline construction.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21236**
Calibration dates	**: 06/21/24 14:50 06/21/24 17:17**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	s	2-Fluorophenol		1.499	1.440	1.417	1.513	1.488	1.487	1.409	1.284	1.164	1.411	8.23
3)	s	Phenol-d6		1.805	1.715	1.711	1.852	1.844	1.895	1.850	1.746	1.599	1.780	5.29
4)	T	bis(2-Chloroethyl)ether		1.538	1.382	1.469	1.494	1.536	1.496	1.423	1.319	1.210	1.430	7.67
5)	T	n-Nitrosodi-n-propylamine		1.104	1.054	1.014	1.042	1.052	1.153	1.155	1.161	1.060	1.088	5.15
6)	t	Hexachloroethane		0.789	0.699	0.682	0.667	0.665	0.668	0.646	0.604	0.553	0.664	9.73
7)	s	Nitrobenzene-d5		1.726	1.409	1.445	1.599	1.619	1.677	1.630	1.542	1.403	1.561	7.58
8)	i	Naphthalene-d8	----------ISTD----------											
9)	t	Naphthalene	1.150	1.261	1.157	1.120	1.128	1.109	1.109	1.084	1.006	0.917	1.104	8.29
10)	t	Hexachlorobutadiene		0.293	0.265	0.250	0.264	0.255	0.250	0.239	0.218	0.198	0.248	11.13
11)	t	2-Methylnaphthalene	0.784	0.827	0.829	0.853	0.903	0.905	0.892	0.847	0.776	0.683	0.830	8.24
12)	t	1-Methylnaphthalene	0.852	0.881	0.857	0.822	0.838	0.844	0.815	0.773	0.711	0.630	0.802	9.67
13)	s	2-Fluorobiphenyl		1.142	1.059	1.142	1.147	1.151	1.061	0.980	0.870	0.755	1.034	13.63
14)	t	2-Chloronaphthalene		0.945	0.925	0.926	0.969	0.949	0.918	0.880	0.815	0.721	0.894	8.84
15)	t	2,6-Dinitrotoluene					0.228	0.238	0.260	0.258	0.247	0.214	0.241	7.37
16)	t	Acenaphthylene	1.511	1.519	1.431	1.482	1.513	1.484	1.478	1.415	1.311	1.141	1.429	8.32
17)	i	Acenaphthene-d10	----------ISTD----------											
18)	t	Acenaphthene	1.624	1.531	1.354	1.345	1.412	1.407	1.429	1.389	1.290	1.181	1.396	8.73
19)	t	2,4-Dinitrotoluene					0.468	0.515	0.600	0.596	0.545	0.486	0.535	10.35
20)	t	Fluorene	2.024	2.081	1.887	1.844	1.914	1.911	1.898	1.803	1.618	1.423	1.840	10.44
21)	s	2,4,6-Tribromophenol		0.280	0.250	0.256	0.280	0.284	0.315	0.309	0.287	0.254	0.279	8.25
22)	i	Phenanthrene-d10	----------ISTD----------											
23)	T	4,6-Dinitro-o-cresol					0.096	0.107	0.157	0.163	0.168	0.160	*Q	0.9994
24)	t	Hexachlorobenzene		0.325	0.283	0.293	0.299	0.290	0.281	0.261	0.232	0.207	0.275	13.07
25)	t	Pentachlorophenol			0.104	0.091	0.104	0.117	0.169	0.178	0.183		*Q	0.9975
26)	t	Phenanthrene	1.429	1.353	1.140	1.122	1.156	1.163	1.160	1.120	1.037	0.949	1.163	11.91
27)	t	Anthracene	1.386	1.332	1.163	1.148	1.209	1.223	1.254	1.206	1.098	0.996	1.201	9.26
28)	t	Fluoranthene		2.024	1.664	1.691	1.738	1.716	1.610	1.495	1.280	1.154	1.597	16.22
29)	t	Pyrene		2.103	1.785	1.749	1.824	1.772	1.637	1.528	1.298	1.195	1.655	16.87
30)	s	4-Terphenyl-d14			1.312	1.248	1.271	1.235	1.110	1.026	0.852	0.791	1.106	17.97
31)	i	Chrysene-d12	----------ISTD----------											
32)	t	Benzo[a]anthracene		7.571	3.798	2.602	1.853	1.665	1.630	1.616	1.504	1.473	*L	0.9990
33)	t	3,3'-Dichlorobenzene					0.567	0.588	0.657	0.660	0.614	0.579	0.611	6.57
34)	t	Chrysene	1.711	1.595	1.403	1.409	1.460	1.464	1.512	1.516	1.433	1.384	1.489	6.76
35)	T	bis(2-Ethylhexyl)phthalate					0.830	0.858	1.029	1.097	1.115	1.082	*L	0.9996
36)	i	Perylene-d12	----------ISTD----------											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL21236**
Calibration dates	**: 06/21/24 14:50 06/21/24 17:17**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.975	1.900	1.600	1.691	1.716	1.761	1.653	1.617	1.405	1.248	1.657	12.90
38) t	Benzo[k]fluoranthene			1.744	1.675	1.775	1.675	1.559	1.403	1.269	1.144	1.531	15.26
39) t	Benzo[a]pyrene	1.765	1.646	1.432	1.422	1.491	1.502	1.494	1.441	1.291	1.190	1.467	11.01
40) t	Indeno[1,2,3-cd]pyrene	1.835	1.611	1.346	1.389	1.476	1.489	1.478	1.483	1.373	1.352	1.483	9.98
41) t	Dibenzo[a,h]anthracene	1.555	1.453	1.258	1.272	1.378	1.353	1.305	1.289	1.196	1.155	1.321	8.99
42) t	Benzo[g,h,i]perylene	1.810	1.648	1.414	1.376	1.486	1.459	1.431	1.397	1.302	1.267	1.459	11.08

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21368**
Calibration dates	**: 07/28/24 16:50 07/28/24 19:15**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.200	1.265	1.191	1.180	1.168	1.207	1.198	1.179	1.175	1.117	1.188	3.11
3)	s	Phenol-d6		1.568	1.393	1.412	1.393	1.441	1.451	1.437	1.474	1.440	1.445	3.67
4)	T	bis(2-Chloroethyl)ether		1.630	1.353	1.310	1.279	1.292	1.294	1.244	1.239	1.193	1.315	9.65
5)	T	n-Nitrosodi-n-propylamine		0.925	0.841	0.819	0.799	0.836	0.866	0.879	0.934	0.932	0.870	5.85
6)	t	Hexachloroethane			0.587	0.565	0.551	0.566	0.564	0.552	0.557	0.547	0.561	2.27
7)	s	Nitrobenzene-d5		1.158	1.123	1.115	1.118	1.171	1.200	1.210	1.258	1.234	1.176	4.47
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.315	1.282	1.192	1.180	1.111	1.128	1.103	1.075	1.074	1.028	1.149	8.10
10)	t	Hexachlorobutadiene			0.208	0.208	0.200	0.202	0.196	0.191	0.190	0.184	0.197	4.50
11)	t	2-Methylnaphthalene		0.786	0.729	0.737	0.716	0.734	0.730	0.718	0.721	0.691	0.729	3.47
12)	t	1-Methylnaphthalene		0.749	0.678	0.687	0.674	0.685	0.678	0.664	0.666	0.643	0.680	4.23
13)	s	2-Fluorobiphenyl	0.901	0.948	0.870	0.871	0.854	0.879	0.855	0.827	0.829	0.786	0.862	5.11
14)	t	2-Chloronaphthalene		0.812	0.745	0.744	0.726	0.748	0.742	0.725	0.728	0.697	0.741	4.19
15)	t	2,6-Dinitrotoluene					0.106	0.117	0.143	0.154	0.170	0.168	*L	0.9985
16)	t	Acenaphthylene	1.042	1.058	1.016	1.009	1.003	1.050	1.111	1.115	1.139	1.092	1.063	4.54
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene		1.603	1.465	1.533	1.431	1.443	1.415	1.368	1.384	1.340	1.442	5.75
19)	t	2,4-Dinitrotoluene					0.238	0.273	0.347	0.371	0.406	0.404	*L	0.9987
20)	t	Fluorene	1.827	1.759	1.571	1.547	1.495	1.559	1.589	1.541	1.567	1.529	1.598	6.69
21)	s	2,4,6-Tribromophenol				0.168	0.178	0.205	0.238	0.242	0.257	0.254	0.220	16.45
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.040	0.055	0.081	0.091	0.106	0.112	*Q	0.9987
24)	t	Hexachlorobenzene	0.332	0.300	0.276	0.279	0.270	0.279	0.276	0.266	0.266	0.260	0.280	7.57
25)	t	Pentachlorophenol					0.037	0.062	0.102	0.125	0.154	0.163	*Q	0.9973
26)	t	Phenanthrene			1.242	1.261	1.225	1.211	1.186	1.140	1.134	1.104	1.188	4.77
27)	t	Anthracene			1.187	1.162	1.111	1.139	1.161	1.146	1.150	1.111	1.146	2.26
28)	t	Fluoranthene			1.329	1.308	1.253	1.289	1.318	1.286	1.270	1.215	1.283	2.89
29)	t	Pyrene			1.359	1.326	1.300	1.346	1.407	1.353	1.338	1.268	1.337	3.10
30)	s	4-Terphenyl-d14		0.977	0.856	0.843	0.815	0.835	0.845	0.815	0.795	0.759	0.838	7.19
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			3.931	2.673	1.652	1.513	1.496	1.499	1.504	1.517	*L	0.9998
33)	t	3,3'-Dichlorobenzene					0.356	0.396	0.488	0.520	0.572	0.581	*L	0.9983
34)	t	Chrysene			1.457	1.446	1.437	1.487	1.517	1.418	1.459	1.418	1.455	2.32
35)	T	bis(2-Ethylhexyl)phthalate					0.520	0.578	0.789	0.884	1.032	1.080	*Q	0.9986
36)	i	Perylene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: SV120**	**Ical Ref**	**: ICAL21368**
Calibration dates	**: 07/28/24 16:50 07/28/24 19:15**		

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene		1.356	1.293	1.226	1.258	1.350	1.442	1.336	1.472	1.420	1.350	6.18
38) t	Benzo[k]fluoranthene		1.318	1.181	1.222	1.143	1.201	1.332	1.400	1.309	1.343	1.272	6.87
39) t	Benzo[a]pyrene		1.021	0.941	0.949	0.949	1.025	1.169	1.180	1.237	1.246	1.080	11.83
40) t	Indeno[1,2,3-cd]pyrene			0.878	0.889	0.873	0.921	1.036	1.062	1.171	1.265	1.012	14.62
41) t	Dibenzo[a,h]anthracene			0.776	0.799	0.808	0.900	1.015	1.041	1.113	1.144	0.950	15.53
42) t	Benzo[g,h,i]perylene		1.012	0.913	0.926	0.918	0.993	1.077	1.095	1.162	1.212	1.034	10.58

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\240621RVTical\
Method File : SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

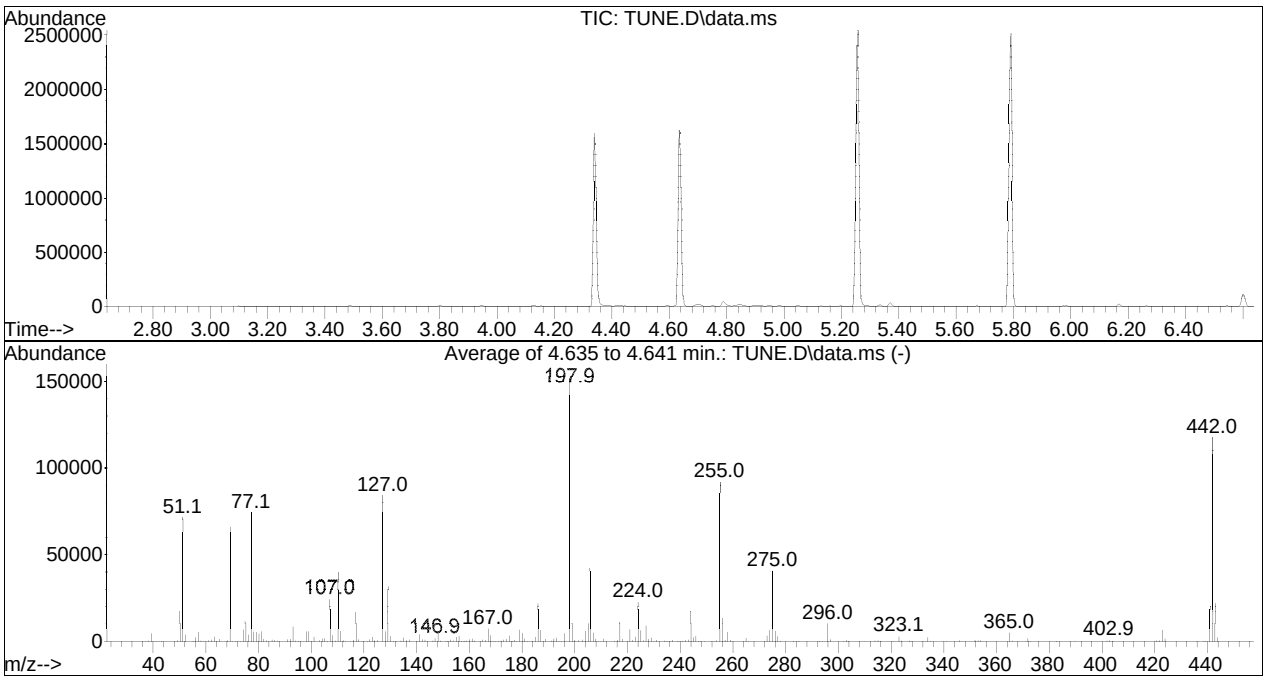
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol		1.499	1.440	1.417	1.513	1.488	1.487	1.409	1.284	1.164	1.411	8.23
3)	s	Phenol-d6		1.805	1.715	1.711	1.852	1.844	1.895	1.850	1.746	1.599	1.780	5.29
4)	T	bis(2-Chloroethyl)ether		1.538	1.382	1.469	1.494	1.536	1.496	1.423	1.319	1.210	1.430	7.67
5)	T	n-Nitrosodi-n-propylamine		1.104	1.054	1.014	1.042	1.052	1.153	1.155	1.161	1.060	1.088	5.15
6)	t	Hexachloroethane		0.789	0.699	0.682	0.667	0.665	0.668	0.646	0.604	0.553	0.664	9.73
7)	s	Nitrobenzene-d5		1.726	1.409	1.445	1.599	1.619	1.677	1.630	1.542	1.403	1.561	7.58
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.150	1.261	1.157	1.120	1.128	1.109	1.109	1.084	1.006	0.917	1.104	8.29
10)	t	Hexachlorobutadiene		0.293	0.265	0.250	0.264	0.255	0.250	0.239	0.218	0.198	0.248	11.13
11)	t	2-Methylnaphthalene	0.784	0.827	0.829	0.853	0.903	0.905	0.892	0.847	0.776	0.683	0.830	8.24
12)	t	1-Methylnaphthalene	0.852	0.881	0.857	0.822	0.838	0.844	0.815	0.773	0.711	0.630	0.802	9.67
13)	s	2-Fluorobiphenyl		1.142	1.059	1.142	1.147	1.151	1.061	0.980	0.870	0.755	1.034	13.63
14)	t	2-Chloronaphthalene		0.945	0.925	0.926	0.969	0.949	0.918	0.880	0.815	0.721	0.894	8.84
15)	t	2,6-Dinitrotoluene					0.228	0.238	0.260	0.258	0.247	0.214	0.241	7.37
16)	t	Acenaphthylene	1.511	1.519	1.431	1.482	1.513	1.484	1.478	1.415	1.311	1.141	1.429	8.32
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.624	1.531	1.354	1.345	1.412	1.407	1.429	1.389	1.290	1.181	1.396	8.73
19)	t	2,4-Dinitrotoluene					0.468	0.515	0.600	0.596	0.545	0.486	0.535	10.35
20)	t	Fluorene	2.024	2.081	1.887	1.844	1.914	1.911	1.898	1.803	1.618	1.423	1.840	10.44
21)	s	2,4,6-Tribromophenol		0.280	0.250	0.256	0.280	0.284	0.315	0.309	0.287	0.254	0.279	8.25
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.096	0.107	0.157	0.163	0.168	0.160	*Q	0.9994
24)	t	Hexachlorobenzene		0.325	0.283	0.293	0.299	0.290	0.281	0.261	0.232	0.207	0.275	13.07
25)	t	Pentachlorophenol			0.104	0.091	0.104	0.117	0.169	0.178	0.183		*Q	0.9975
26)	t	Phenanthrene	1.429	1.353	1.140	1.122	1.156	1.163	1.160	1.120	1.037	0.949	1.163	11.91
27)	t	Anthracene	1.386	1.332	1.163	1.148	1.209	1.223	1.254	1.206	1.098	0.996	1.201	9.26
28)	t	Fluoranthene		2.024	1.664	1.691	1.738	1.716	1.610	1.495	1.280	1.154	1.597	16.22
29)	t	Pyrene		2.103	1.785	1.749	1.824	1.772	1.637	1.528	1.298	1.195	1.655	16.87
30)	s	4-Terphenyl-d14			1.312	1.248	1.271	1.235	1.110	1.026	0.852	0.791	1.106	17.97
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene		7.571	3.798	2.602	1.853	1.665	1.630	1.616	1.504	1.473	*L	0.9990
33)	t	3,3'-Dichlorob...					0.567	0.588	0.657	0.660	0.614	0.579	0.611	6.57
34)	t	Chrysene	1.711	1.595	1.403	1.409	1.460	1.464	1.512	1.516	1.433	1.384	1.489	6.76
35)	T	bis(2-Ethylhexyl)phthalate					0.830	0.858	1.029	1.097	1.115	1.082	*L	0.9996
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.975	1.900	1.600	1.691	1.716	1.761	1.653	1.617	1.405	1.248	1.657	12.90
38)	t	Benzo[k]fluora...			1.744	1.675	1.775	1.675	1.559	1.403	1.269	1.144	1.531	15.26
39)	t	Benzo[a]pyrene	1.765	1.646	1.432	1.422	1.491	1.502	1.494	1.441	1.291	1.190	1.467	11.01
40)	t	Indeno[1,2,3-c...	1.835	1.611	1.346	1.389	1.476	1.489	1.478	1.483	1.373	1.352	1.483	9.98
41)	t	Dibenzo[a,h]anthracene	1.555	1.453	1.258	1.272	1.378	1.353	1.305	1.289	1.196	1.155	1.321	8.99
42)	t	Benzo[g,h,i]pe...	1.810	1.648	1.414	1.376	1.486	1.459	1.431	1.397	1.302	1.267	1.459	11.08

(#) = Out of Range

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024



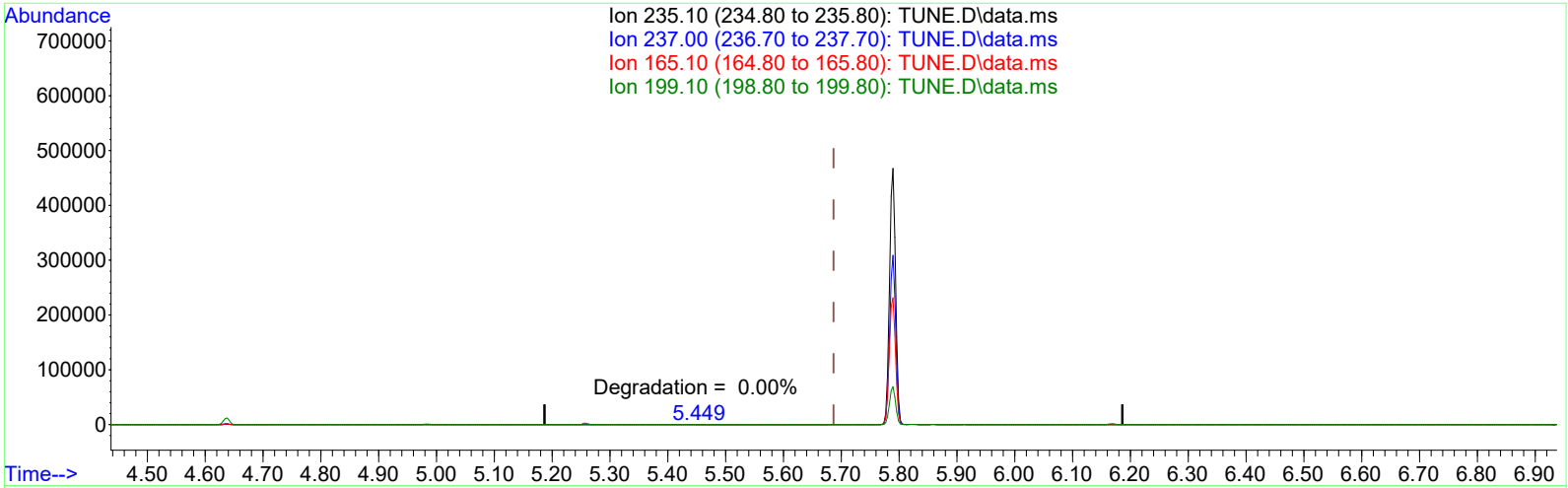
Spectrum Information: Average of 4.635 to 4.641 min.

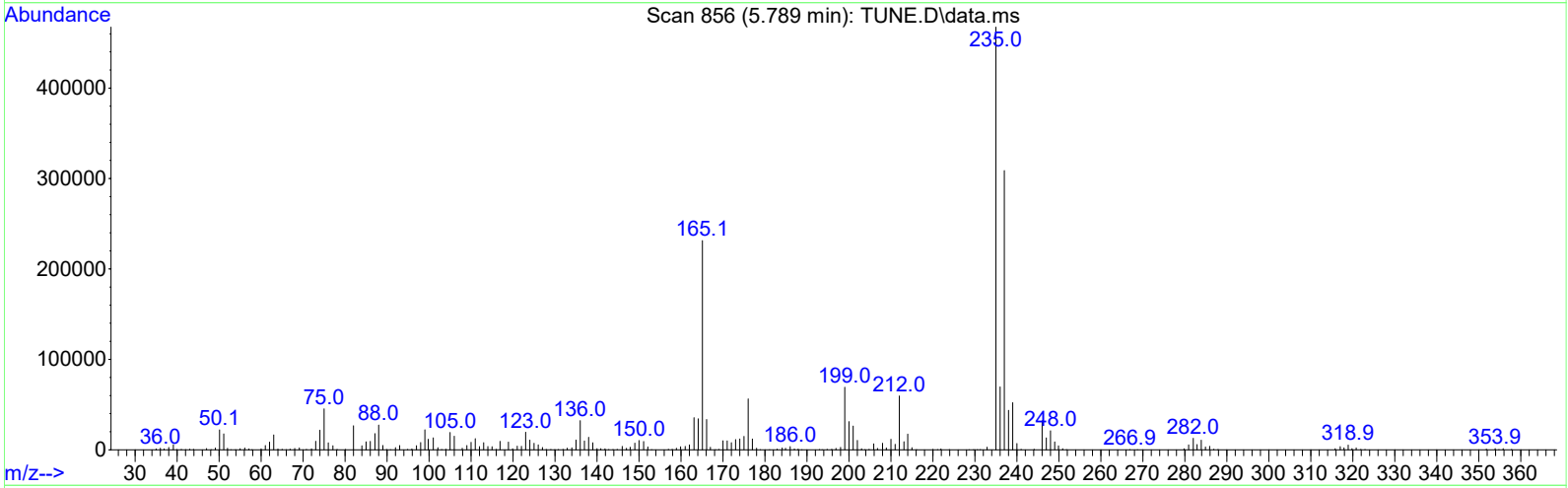
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	46.7	71109	PASS
68	69	0.00	2	1.4	926	PASS
69	69	100	100	100.0	65816	PASS
70	69	0.00	2	0.6	425	PASS
127	198	10	80	55.3	84061	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	152117	PASS
199	198	5	9	6.8	10353	PASS
275	198	10	60	26.8	40739	PASS
365	198	1	100	3.2	4906	PASS
441	442	0.01	24	17.5	20573	PASS
442	198	50	100	77.1	117261	PASS
443	442	15	24	18.9	22125	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

5.789min (+ 0.102) 56.01

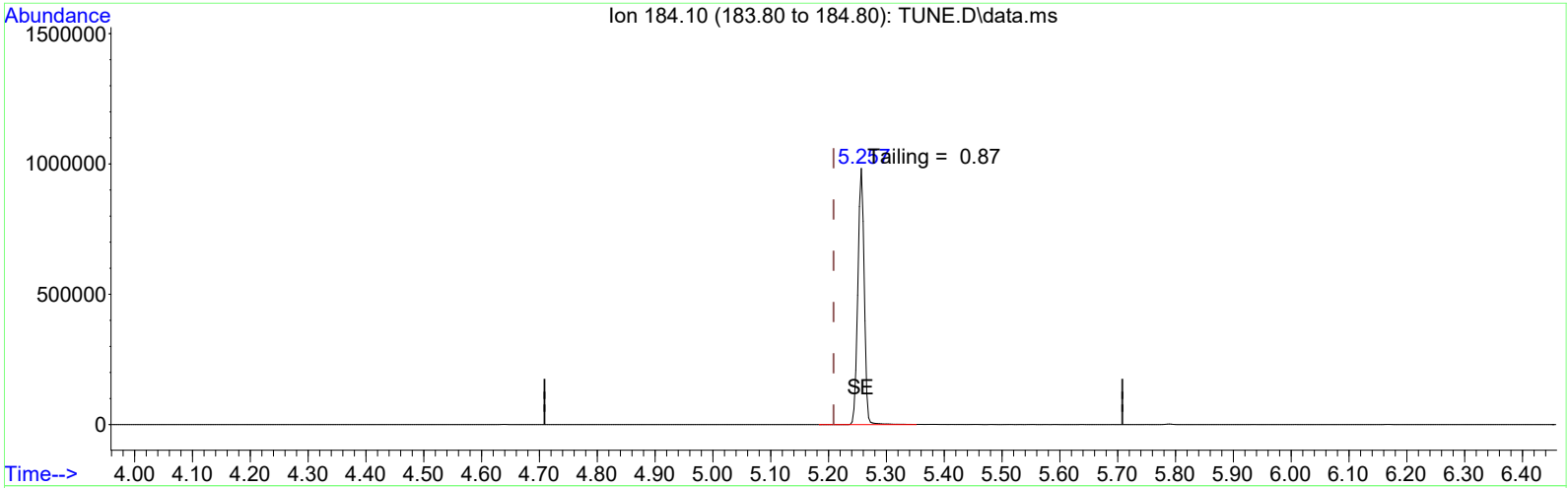
response 341393

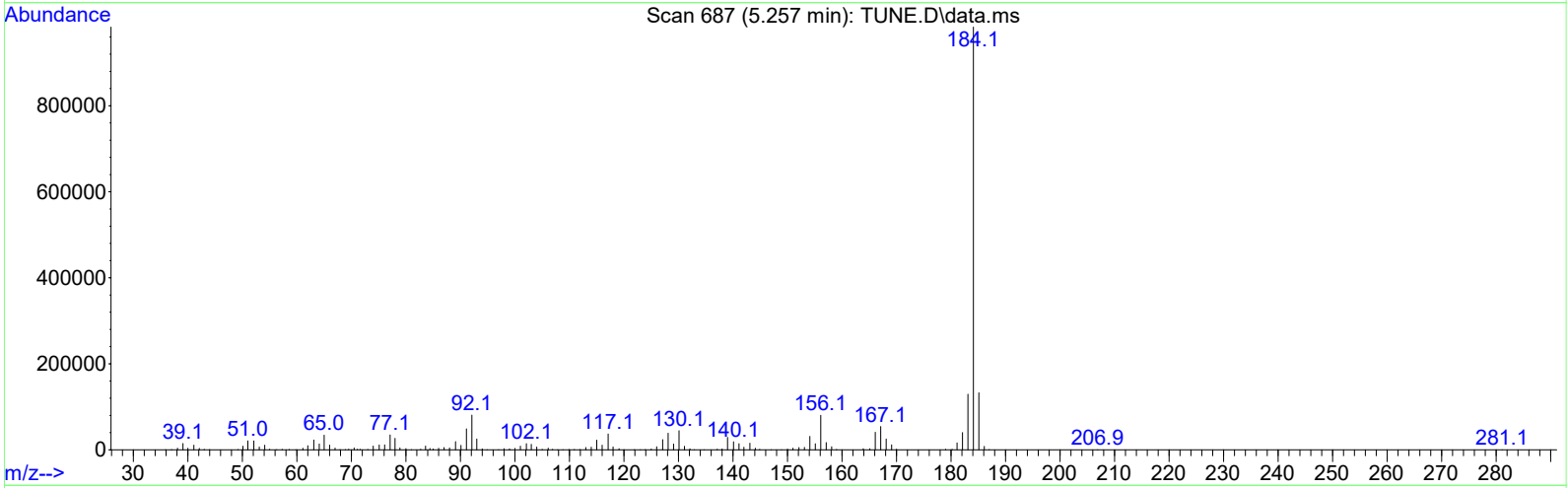
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.73
165.10	53.30	50.75
199.10	17.10	14.98

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.257min (+ 0.048) 74.21

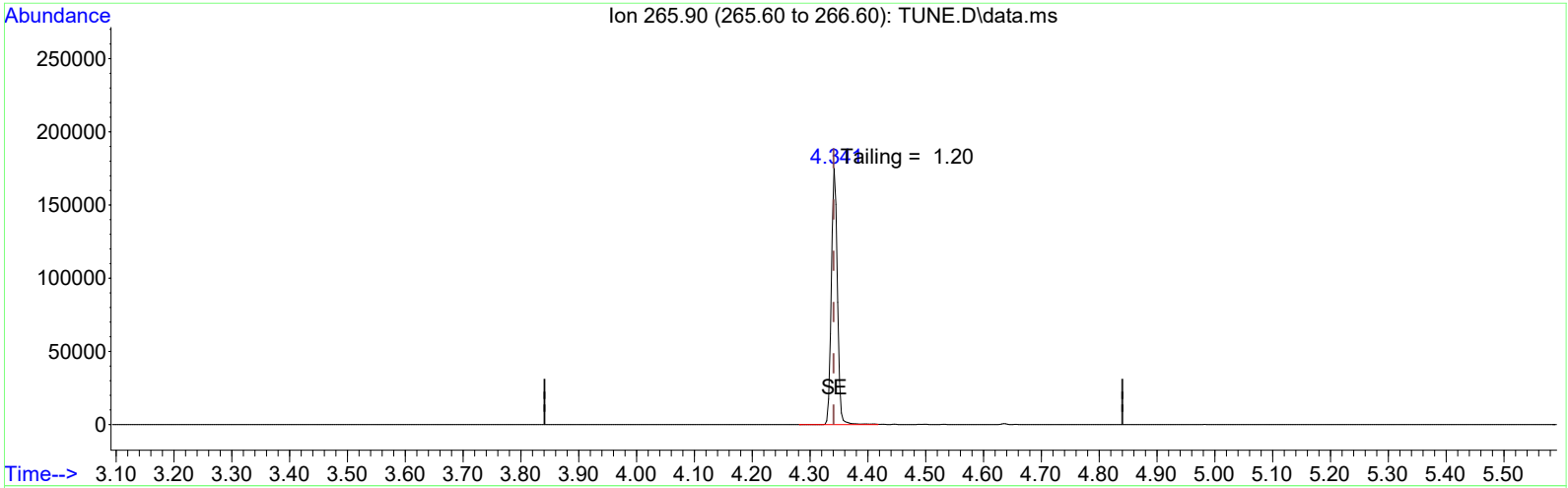
response 755442

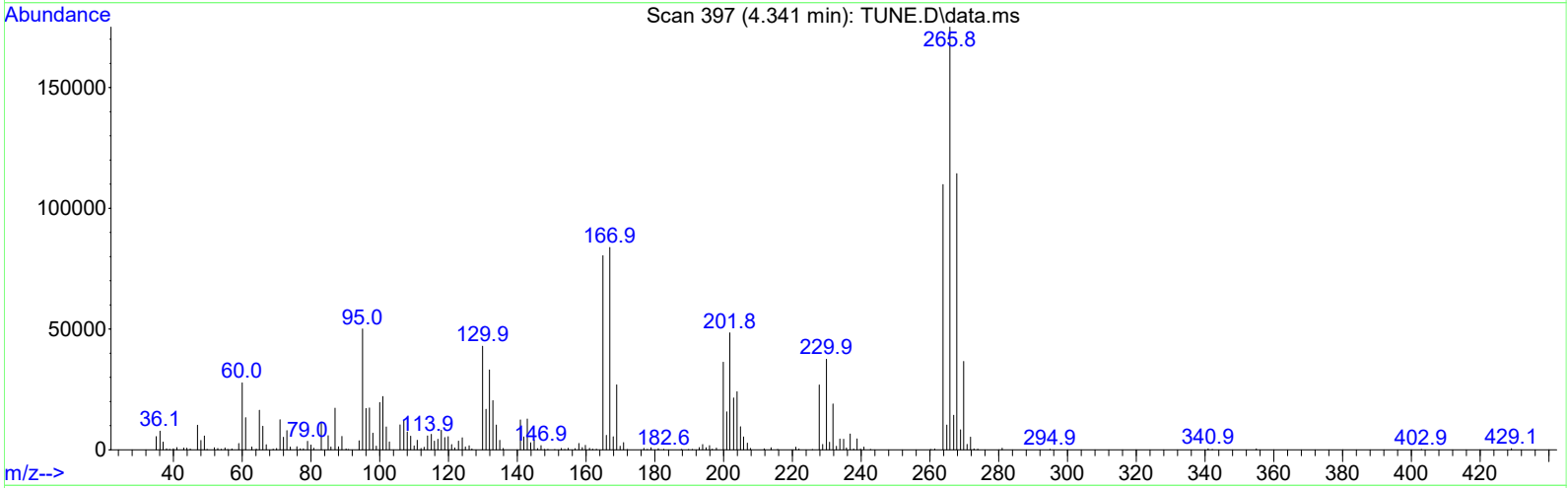
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : TUNE.D
Acq On : 21 Jun 2024 02:09 pm
Operator : sv119:dv
Sample : TUNE
Misc : WG1939716,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 21 14:45:51 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 07 09:31:44 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.341min (+ 0.000) 60.65

response 127382

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.882	152	182102	4000.000	ng/ml	-0.02
Standard Area 1 = 186265			Recovery = 97.77%			
8) Naphthalene-d8	2.533	136	694866	4000.000	ng/ml	-0.02
Standard Area 1 = 691724			Recovery = 100.45%			
17) Acenaphthene-d10	3.498	164	422066	4000.000	ng/ml	-0.01
Standard Area 1 = 424015			Recovery = 99.54%			
22) Phenanthrene-d10	4.324	188	983453	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 95.70%			
31) Chrysene-d12	5.941	240	892849M6	4000.000	ng/ml	0.10
Standard Area 1 = 965951			Recovery = 92.43%			
36) Perylene-d12	6.919	264	1084648M2	4000.000	ng/ml	0.14
Standard Area 1 = 979854			Recovery = 110.69%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.313	112	264903	4123.822	ng/ml	-0.03
Spiked Amount 2000.000	Range 15 - 110		Recovery = 206.19%#			
3) Phenol-d6	1.713	99	364059	4493.489	ng/ml	-0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 224.67%#			
7) Nitrobenzene-d5	2.161	82	319320	4493.176	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 449.32%#			
13) 2-Fluorobiphenyl	3.131	172	655438	3648.606	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 364.86%#			
21) 2,4,6-Tribromophenol	3.938	330	134058	4549.052	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 227.45%#			
30) 4-Terphenyl-d14	5.279	244	972551	3577.262	ng/ml	0.04
Spiked Amount 2000.000	Range 30 - 130		Recovery = 178.86%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.758	93	275370	4230.502	ng/ml	99
5) n-nitrosodi-n-propylamine	2.088	70	241235	4834.229	ng/ml	99
6) Hexachloroethane	2.129	117	125966	4169.320	ng/ml	100
9) Naphthalene	2.544	128	796569	4139.539	ng/ml	99
10) Hexachlorobutadiene	2.618	225	171911	3992.228	ng/ml	100
11) 2-Methylnaphthalene	2.921	142	593407	4115.899	ng/ml	98
12) 1-Methylnaphthalene	2.975	142	546976	3924.914	ng/ml	98
14) 2-Chloronaphthalene	3.189	162	626560	4033.688	ng/ml	99
15) 2,6-Dinitrotoluene	3.396	165	185920M4	4444.978	ng/ml	
16) Acenaphthylene	3.417	152	991190	3994.067	ng/ml	100
18) Acenaphthene	3.515	153	623165	4229.846	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.621	165	256294	4542.669	ng/ml	98
20) Fluorene	3.803	166	750934	3867.188	ng/ml	96
23) 4,6-Dinitro-o-cresol	3.850	198	196403	4975.528	ng/ml	98
24) Hexachlorobenzene	4.116	284	254877	3774.456	ng/ml	98
25) Pentachlorophenol	4.229	266	212303	4334.686	ng/ml	100
26) Phenanthrene	4.339	178	1166478	4079.939	ng/ml	99
27) Anthracene	4.367	178	1224962	4146.825	ng/ml	98
28) Fluoranthene	5.032	202	1418253M3	3612.649	ng/ml	
29) Pyrene	5.167	202	1469416	3612.041	ng/ml	99
32) Benzo[a]anthracene	5.932	228	1644077M3	4897.958	ng/ml	
33) 3,3'-Dichlorobenzene	5.934	252	645828M4	4735.874	ng/ml	
34) Chrysene	5.959	228	1544132M3	4646.782	ng/ml	
35) Bis(2-ethylhexyl)phtha...	5.997	149	1207751M6	4951.264	ng/ml	
37) Benzo[b]fluoranthene	6.636	252	1692321M3	3767.103	ng/ml	
38) Benzo[k]fluoranthene	6.657	252	1550840M4	3736.742	ng/ml	
39) Benzo[a]pyrene	6.871	252	1613200M2	4054.525	ng/ml	
40) Indeno[1,2,3-cd]pyrene	7.865	276	1833451M2	4558.453	ng/ml	
41) Dibenzo[a,h]anthracene	7.899	278	1566122M6	4371.174	ng/ml	
42) Benzo[g,h,i]perylene	8.141	276	1717170M2	4340.469	ng/ml	

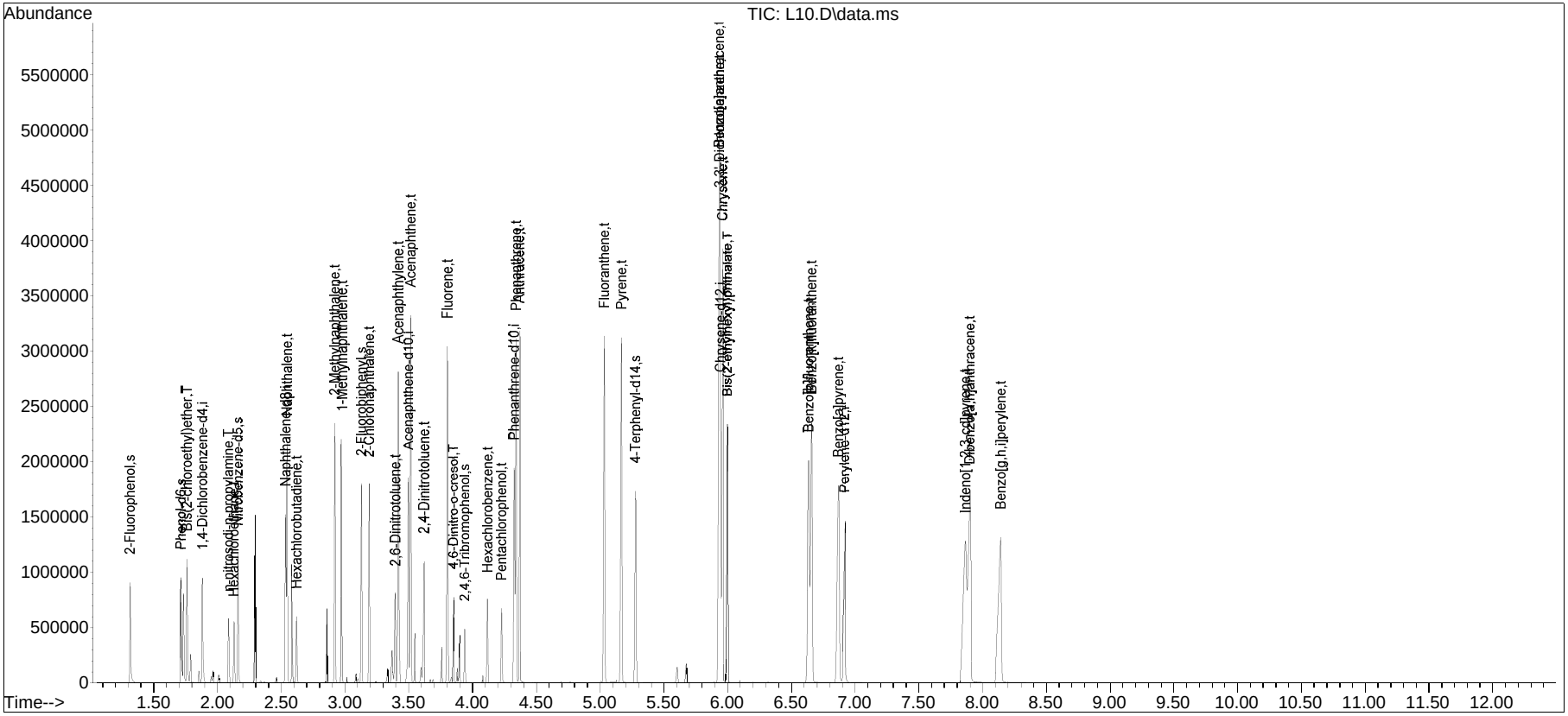
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L10.D
Acq On : 21 Jun 2024 02:50 pm
Operator : sv119:dv
Sample : IL10,32,, #10462 5000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 12:37:42 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:52 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

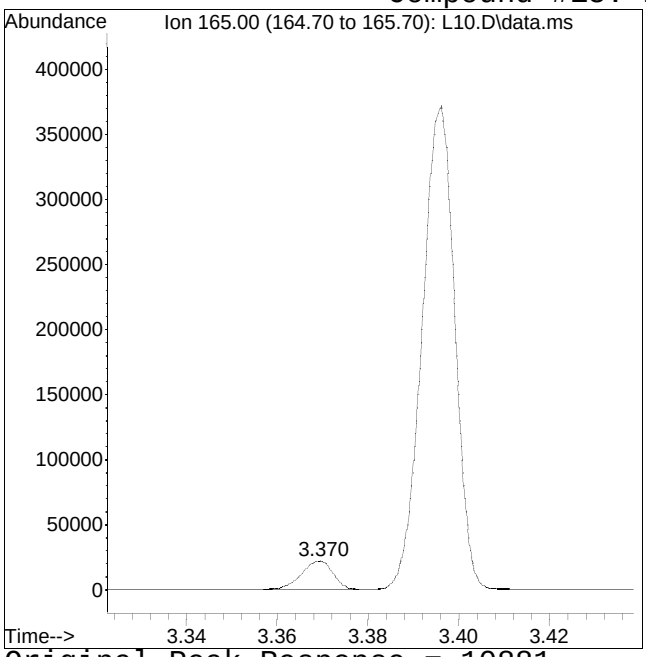


Manual Integration Report

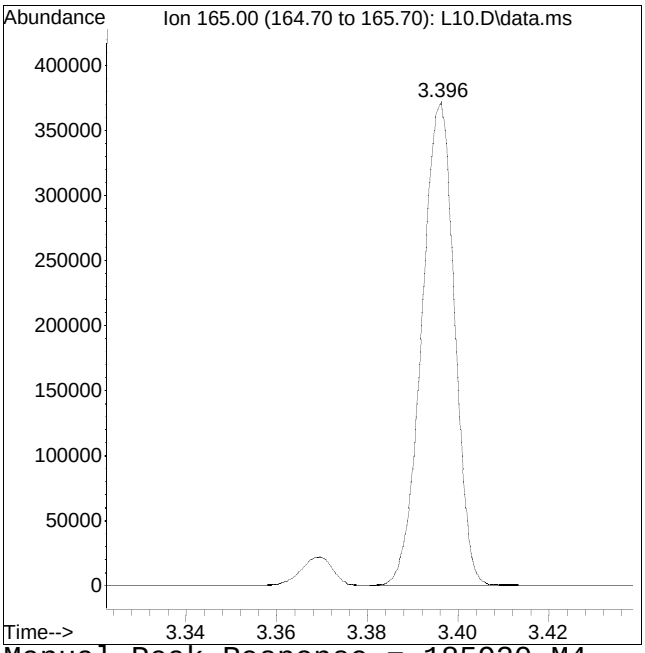
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 10881



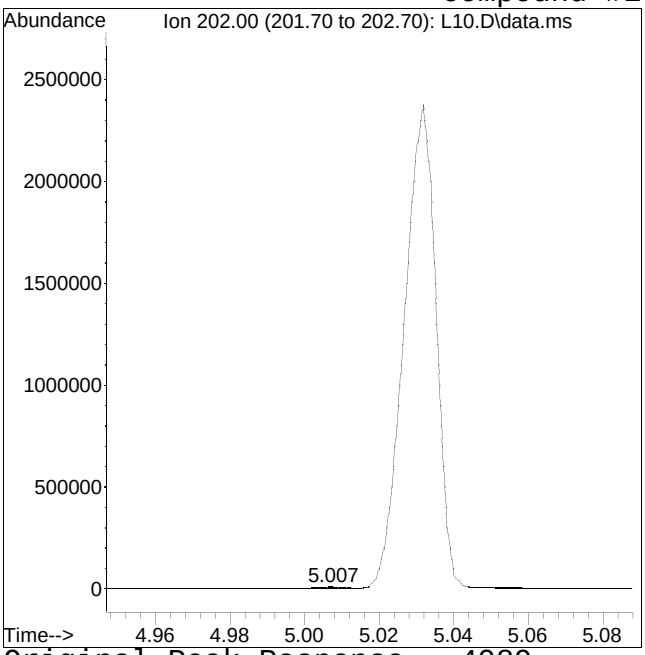
Manual Peak Response = 185920 M4

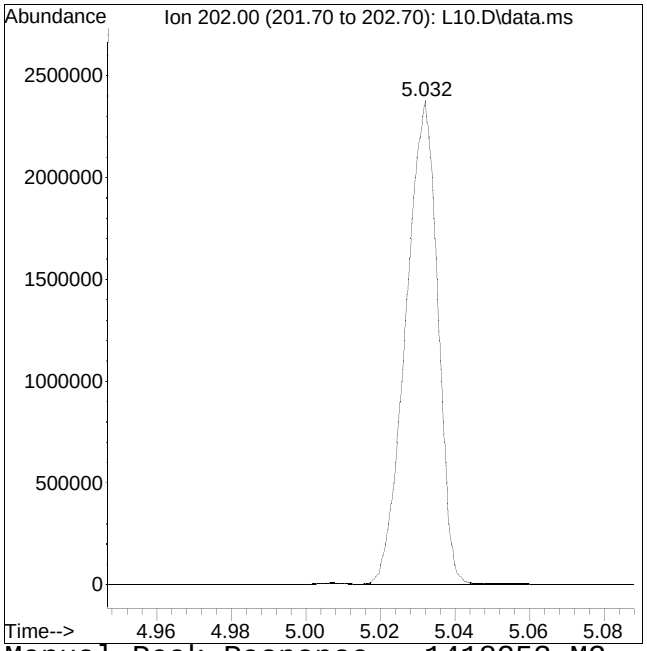
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #28: Fluoranthene





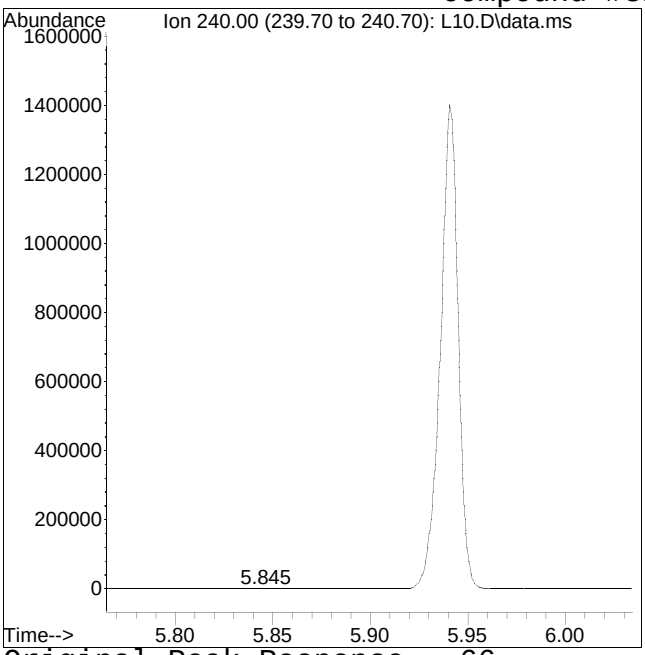
Original Peak Response = 4989 Manual Peak Response = 1418253 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

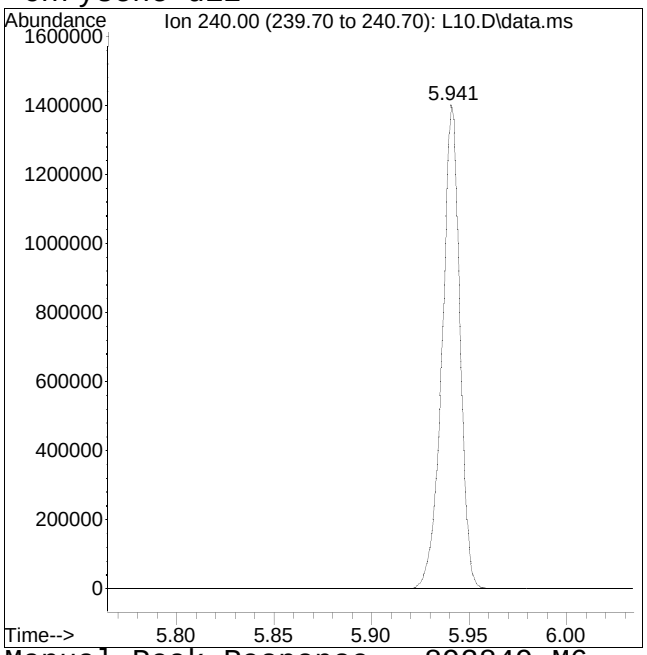
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #31: Chrysene-d12



Original Peak Response = 66



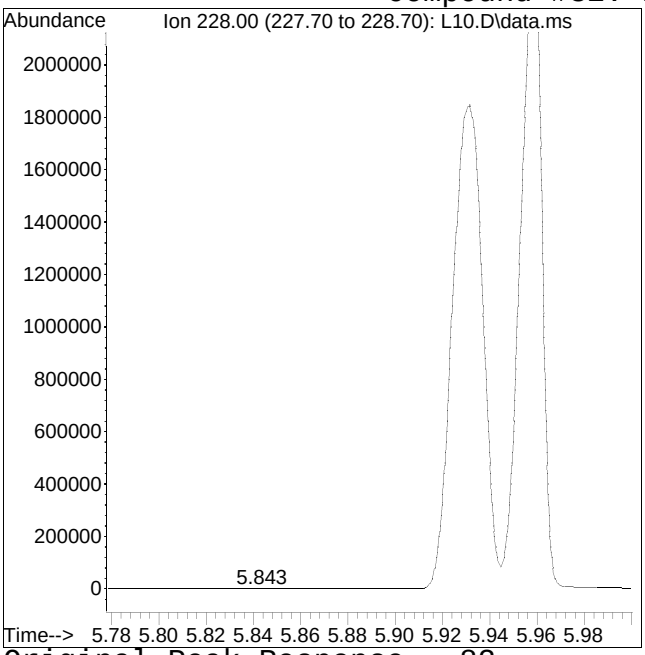
Manual Peak Response = 892849 M6

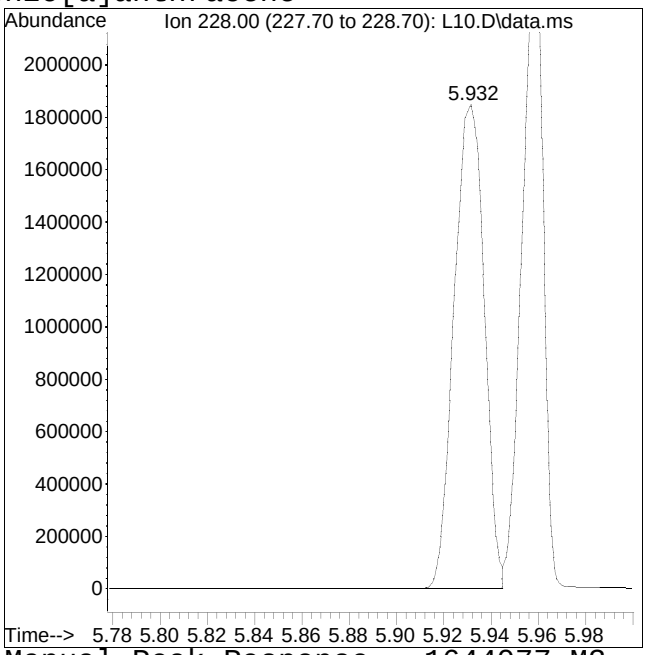
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #32: Benzo[a]anthracene



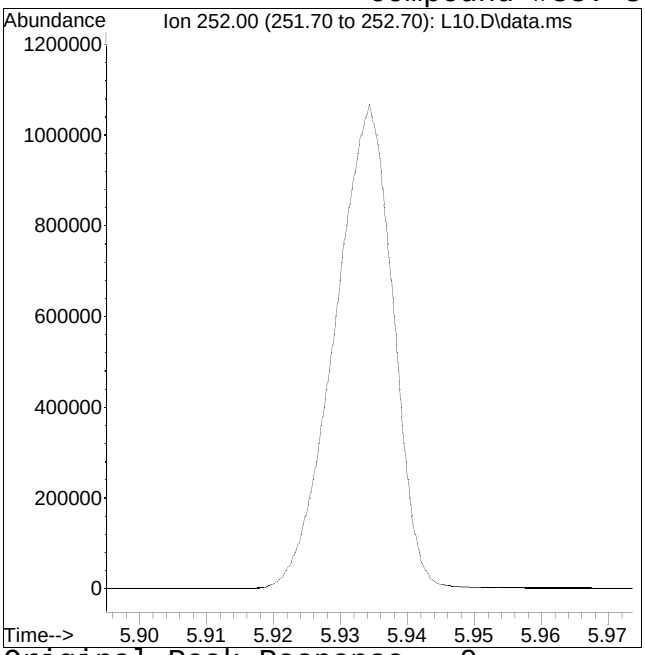


Original Peak Response = 82 Manual Peak Response = 1644077 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

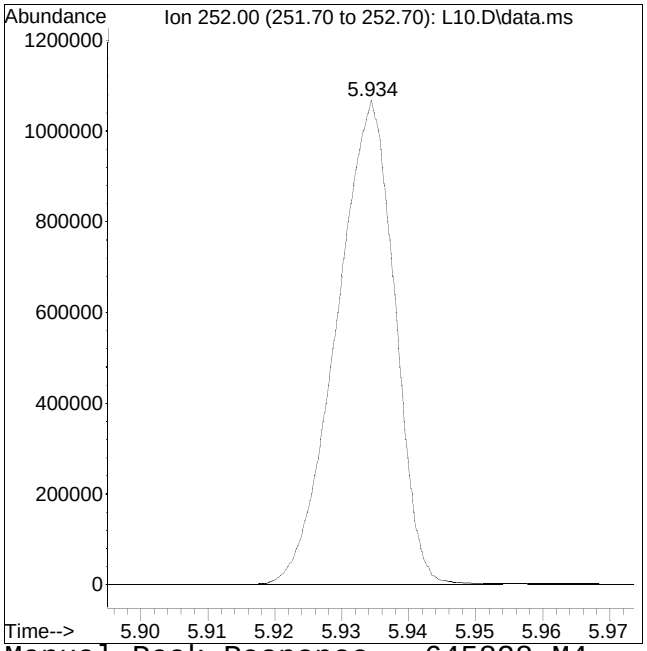
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #33: 3,3'-Dichlorobenzene



Original Peak Response = 0



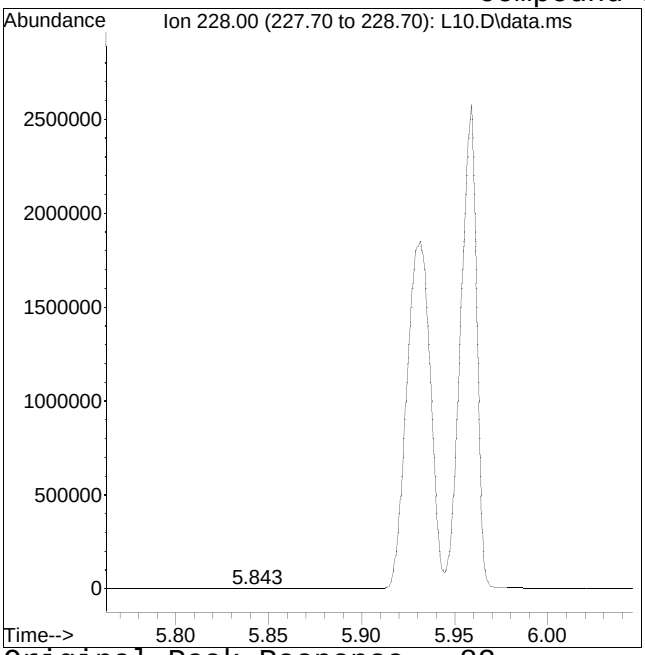
Manual Peak Response = 645828 M4

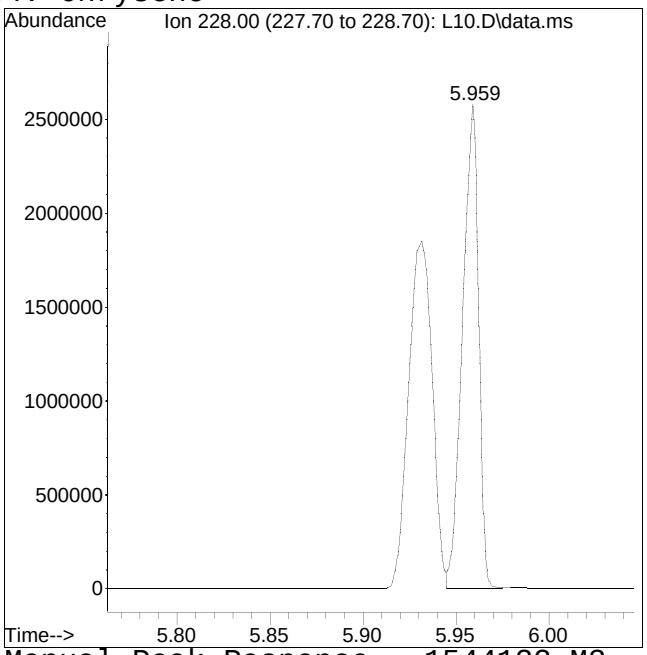
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #34: Chrysene



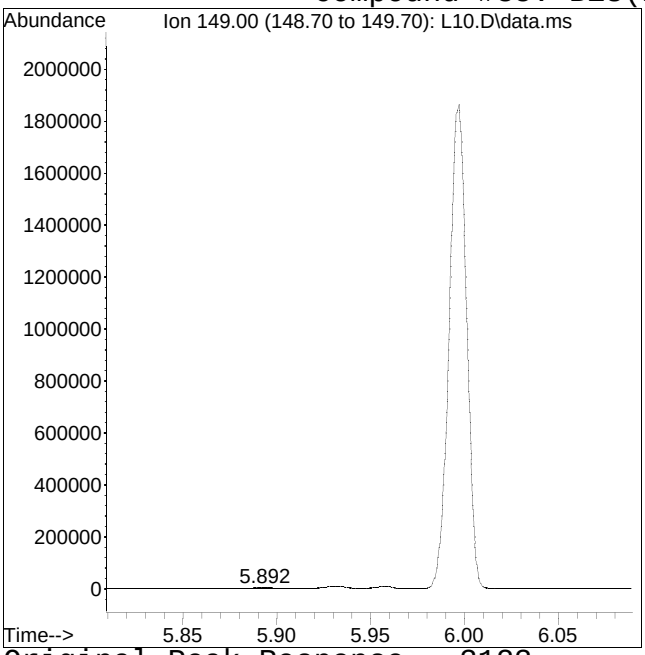


Original Peak Response = 82 Manual Peak Response = 1544132 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

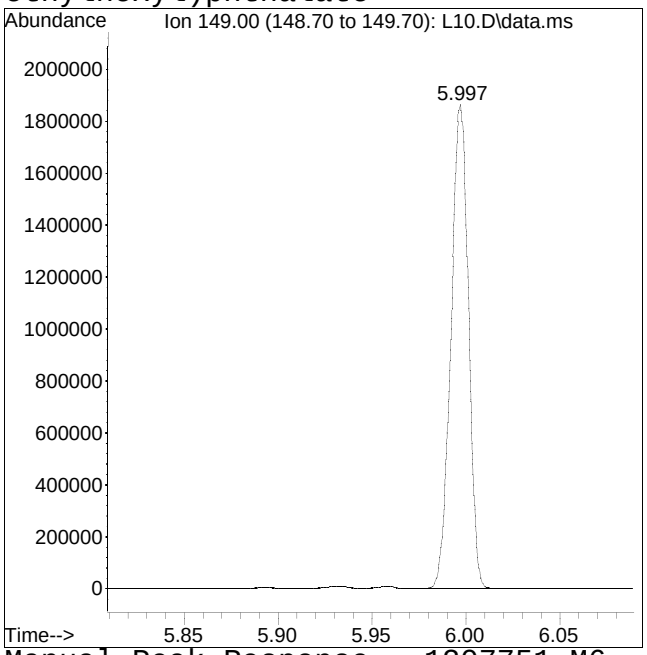
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #35: Bis(2-ethylhexyl)phthalate



Original Peak Response = 3123



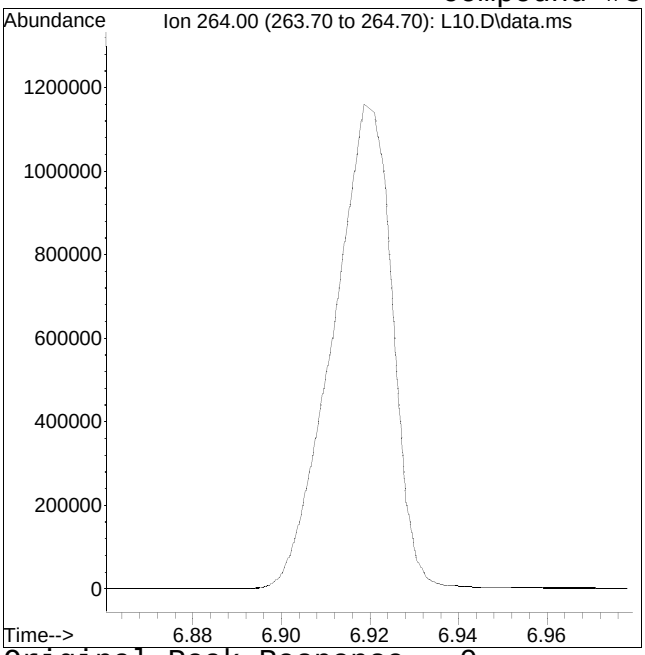
Manual Peak Response = 1207751 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

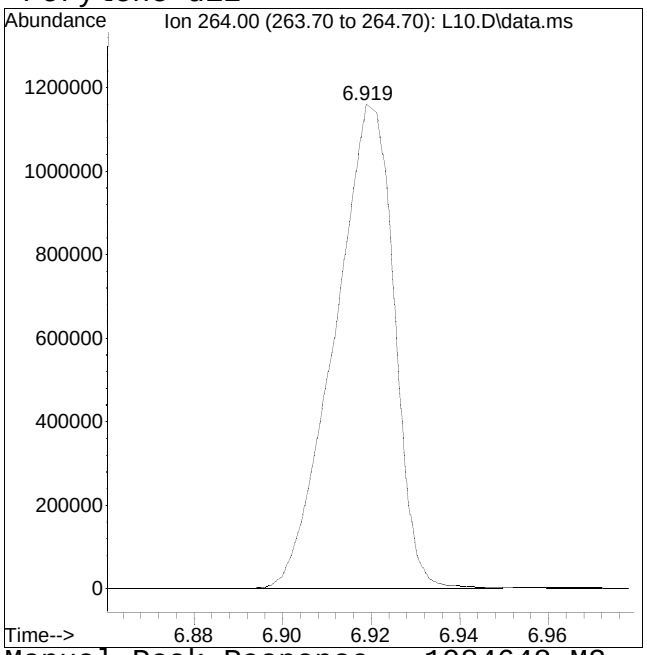
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #36: Perylene-d12



Original Peak Response = 0



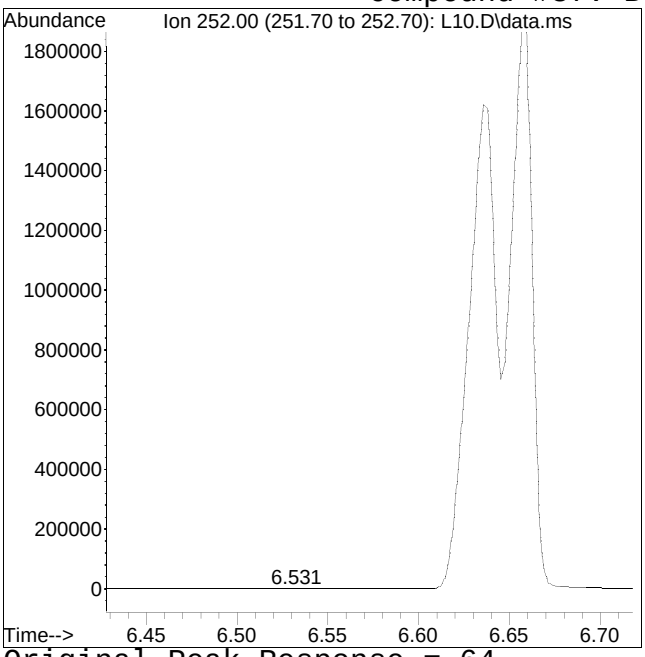
Manual Peak Response = 1084648 M2

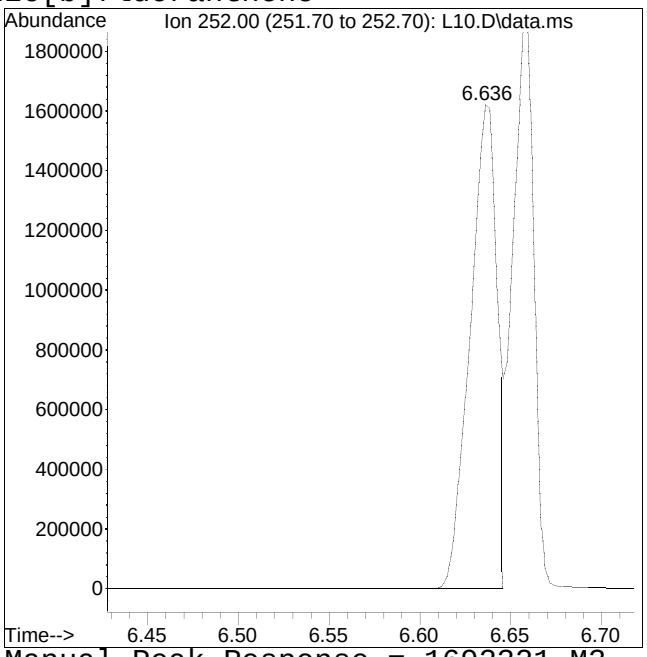
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #37: Benzo[b]fluoranthene



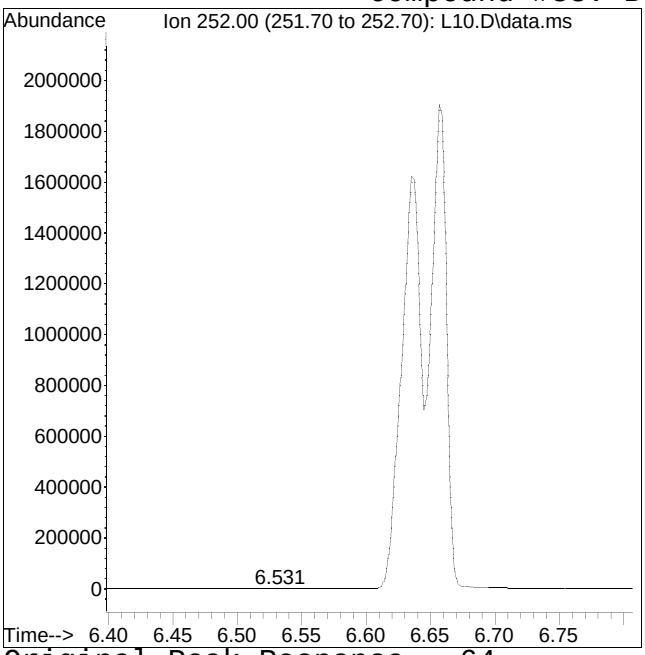


Original Peak Response = 64 Manual Peak Response = 1692321 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

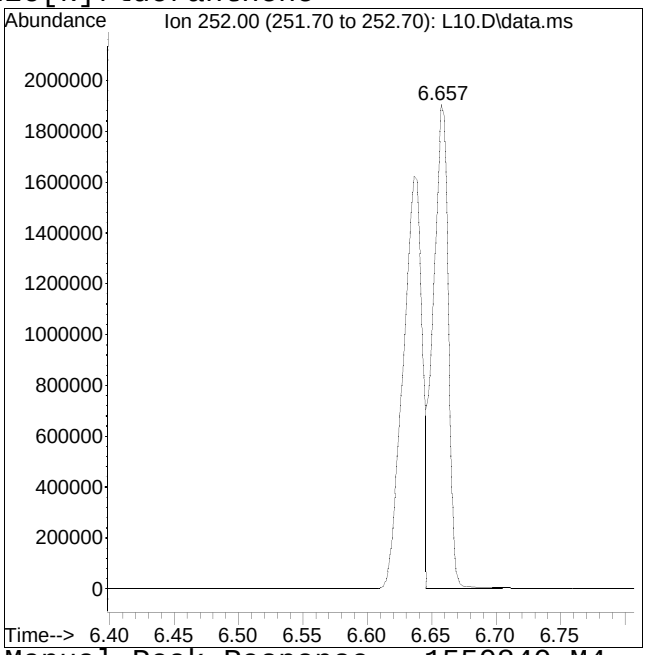
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 64



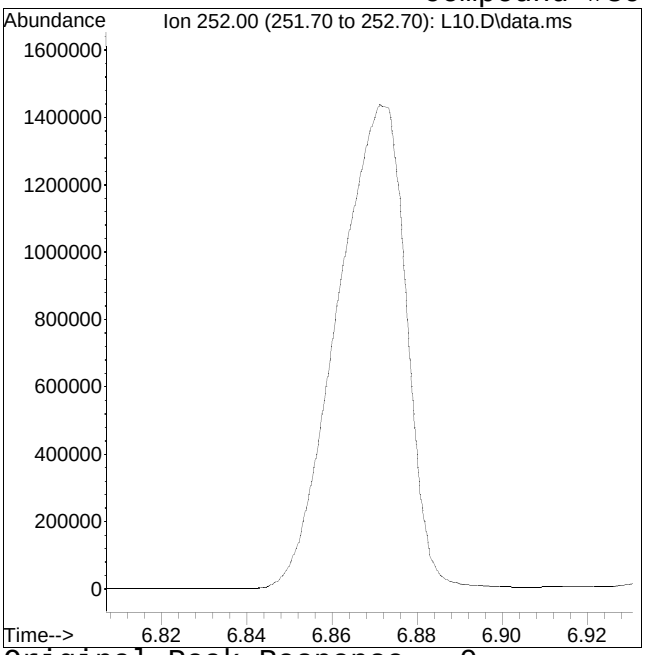
Manual Peak Response = 1550840 M4

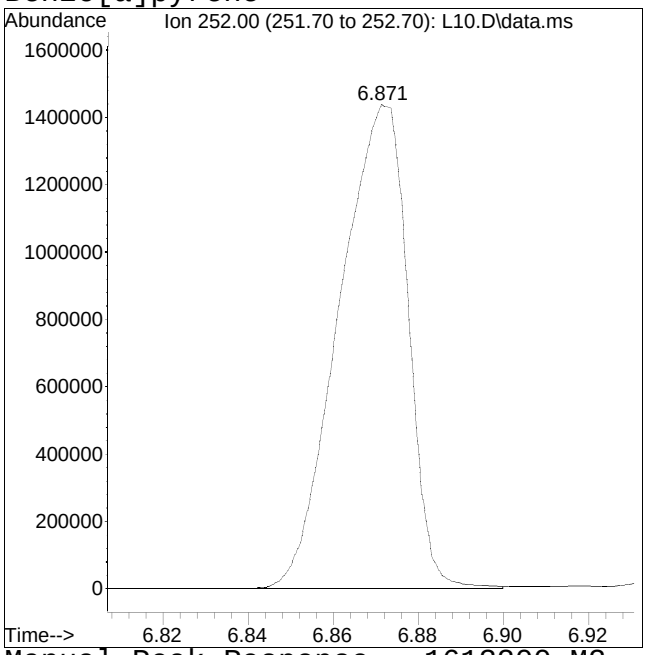
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #39: Benzo[a]pyrene



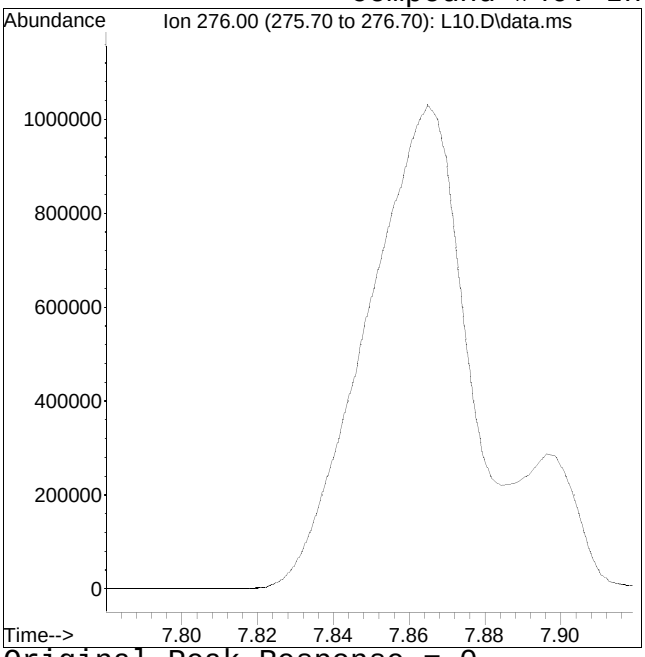


Original Peak Response = 0 Manual Peak Response = 1613200 M2
M2 = Peak not found by automatic integration algorithm.

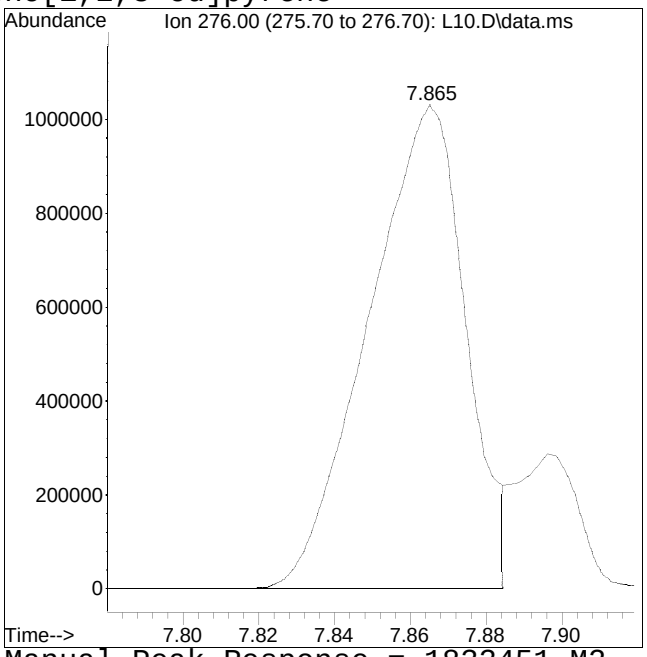
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L10.D
Date Inj'd : 6/21/2024 2:50 pm
Sample : IL10,32,, #10462 5000 ng/m
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #40: Indeno[1,2,3-cd]pyrene



Original Peak Response = 0



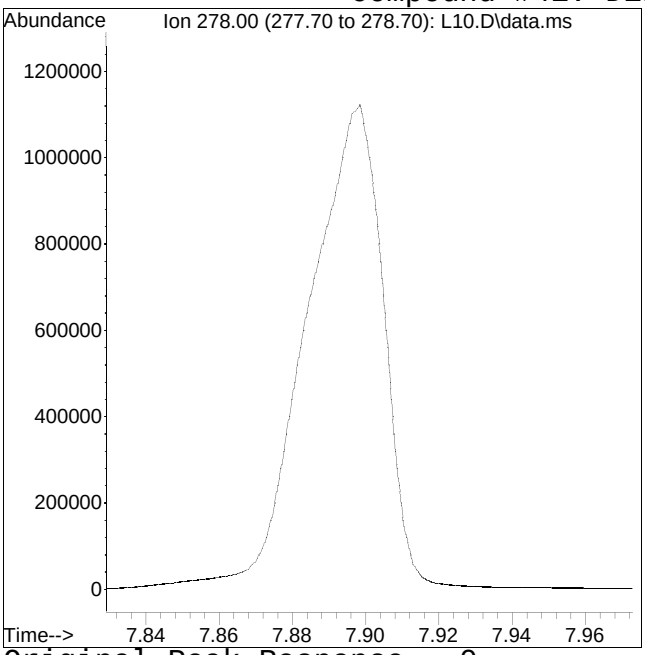
Manual Peak Response = 1833451 M2

M2 = Peak not found by automatic integration algorithm.

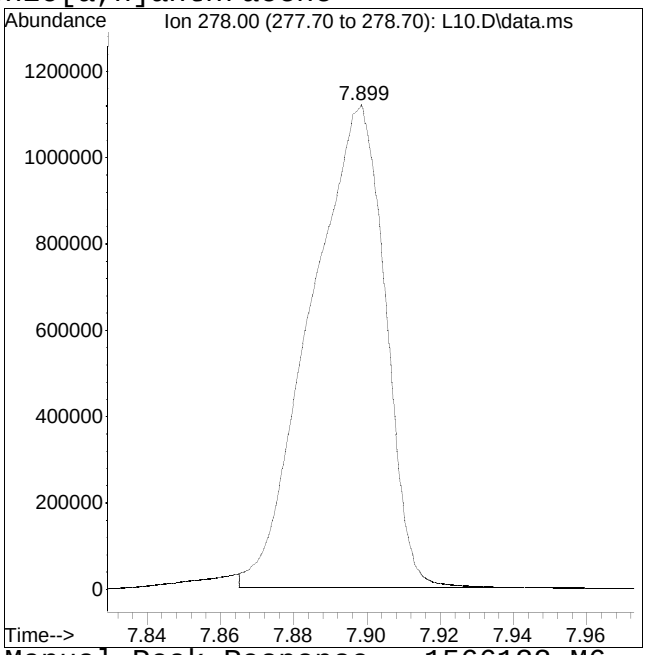
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 0



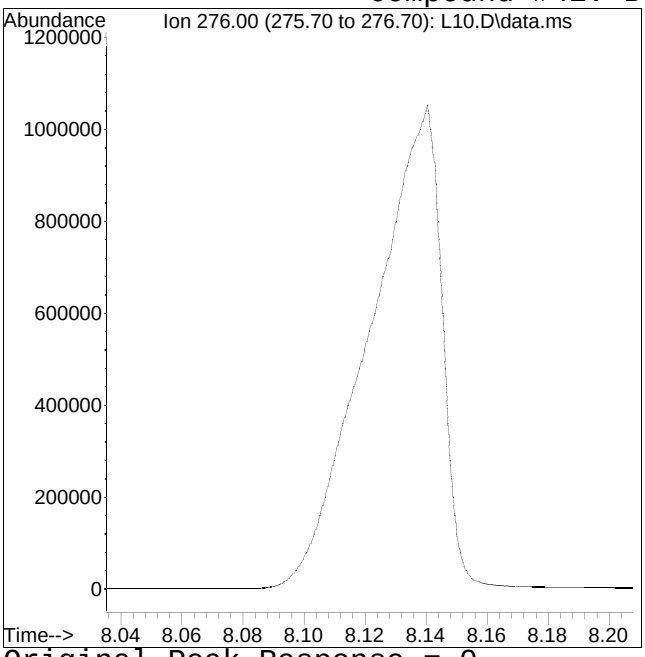
Manual Peak Response = 1566122 M6

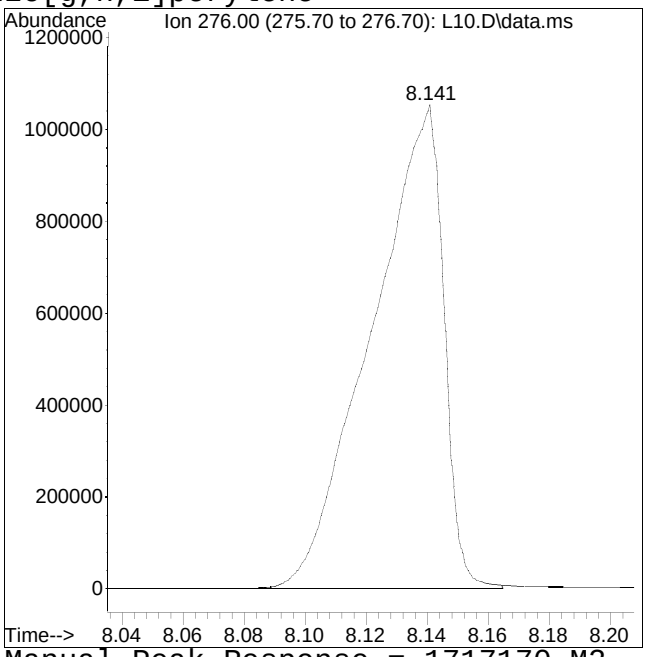
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L10.D Operator : sv119:dv
Date Inj'd : 6/21/2024 2:50 pm Instrument : SV119
Sample : IL10,32,, #10462 5000 ng/mQuant Date : 6/26/2024 12:34 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 0 Manual Peak Response = 1717170 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.899	152	189146	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 101.55%			
8) Naphthalene-d8	2.546	136	722855	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 104.50%			
17) Acenaphthene-d10	3.506	164	456454	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 107.65%			
22) Phenanthrene-d10	4.330	188	1086397	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 105.72%			
31) Chrysene-d12	5.856	240	939463	4000.000	ng/ml	0.01
Standard Area 1 = 965951			Recovery = 97.26%			
36) Perylene-d12	6.800	264	986561	4000.000	ng/ml	0.02
Standard Area 1 = 979854			Recovery = 100.68%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.333	112	151735	2274.136	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 113.71%#			
3) Phenol-d6	1.731	99	206390	2452.551	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 122.63%#			
7) Nitrobenzene-d5	2.175	82	182270	2469.221	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 246.92%#			
13) 2-Fluorobiphenyl	3.140	172	393094	2103.496	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 210.35%#			
21) 2,4,6-Tribromophenol	3.946	330	81809	2566.922	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 128.35%#			
30) 4-Terphenyl-d14	5.240	244	578682	1926.830	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 96.34%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.777	93	155970	2306.927	ng/ml	99
5) n-nitrosodi-n-propylamine	2.105	70	137292	2648.803	ng/ml	100
6) Hexachloroethane	2.146	117	71406	2275.433	ng/ml	100
9) Naphthalene	2.557	128	454475	2270.327	ng/ml	100
10) Hexachlorobutadiene	2.632	225	98409	2196.830	ng/ml	100
11) 2-Methylnaphthalene	2.933	142	350789	2338.880	ng/ml	99
12) 1-Methylnaphthalene	2.985	142	321099	2214.883	ng/ml	99
14) 2-Chloronaphthalene	3.198	162	368102	2278.021	ng/ml	100
15) 2,6-Dinitrotoluene	3.402	165	111600	2564.824	ng/ml	99
16) Acenaphthylene	3.425	152	592198	2293.904	ng/ml	100
18) Acenaphthene	3.523	153	367895	2309.025	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.626	165	155366	2546.314	ng/ml	99
20) Fluorene	3.809	166	461558	2197.876	ng/ml	98
23) 4,6-Dinitro-o-cresol	3.853	198	113818	2552.849	ng/ml	98
24) Hexachlorobenzene	4.121	284	157766	2114.960	ng/ml	99
25) Pentachlorophenol	4.235	266	124179	2486.234	ng/ml	99
26) Phenanthrene	4.343	178	703865	2228.597	ng/ml	99
27) Anthracene	4.370	178	745371	2284.182	ng/ml	99
28) Fluoranthene	5.009	202	869238	2004.360	ng/ml	99
29) Pyrene	5.134	202	881286	1961.055	ng/ml	100
32) Benzo[a]anthracene	5.845	228	883116	2496.432	ng/ml	100
33) 3,3'-Dichlorobenzene	5.844	252	360790	2514.410	ng/ml	99
34) Chrysene	5.870	228	841688	2407.228	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.900	149	654479	2556.429	ng/ml	99
37) Benzo[b]fluoranthene	6.515	252	866471	2120.526	ng/ml	99
38) Benzo[k]fluoranthene	6.534	252	782677	2073.355	ng/ml	99
39) Benzo[a]pyrene	6.750	252	795930	2199.336	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	7.746	276	846780	2314.641	ng/ml	98
41) Dibenzo[a,h]anthracene	7.777	278	737232M6	2262.255	ng/ml	
42) Benzo[g,h,i]perylene	8.014	276	802567	2230.332	ng/ml	100

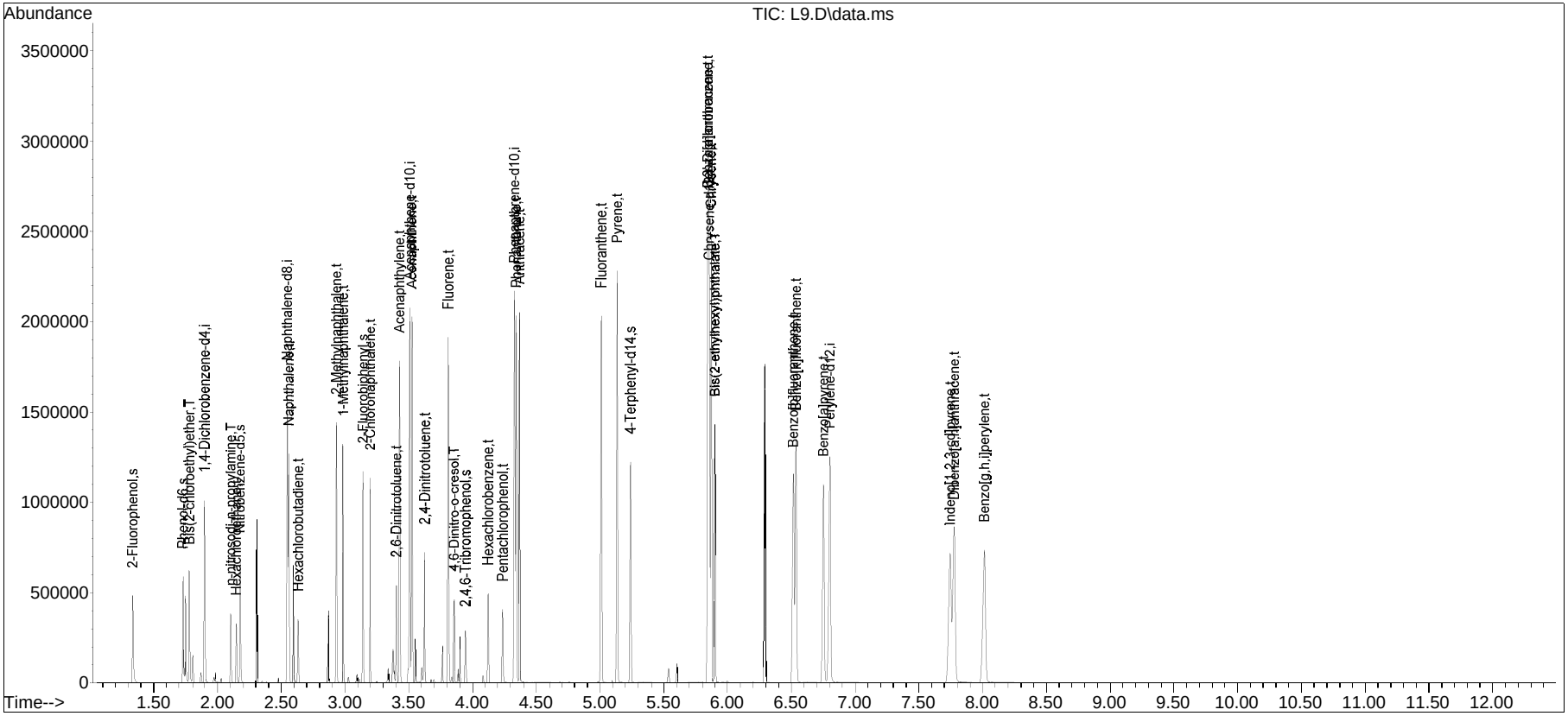
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L9.D
Acq On : 21 Jun 2024 03:06 pm
Operator : sv119:dv
Sample : IL9,32,, #10755 2500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 12:34:53 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:44 2024
Response via : Initial Calibration

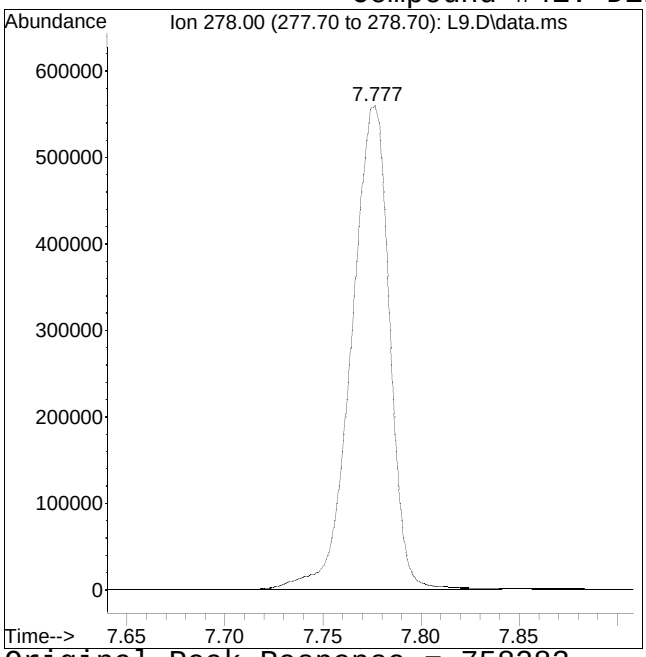
Sub List : Default - All compounds listedical\L8.D•



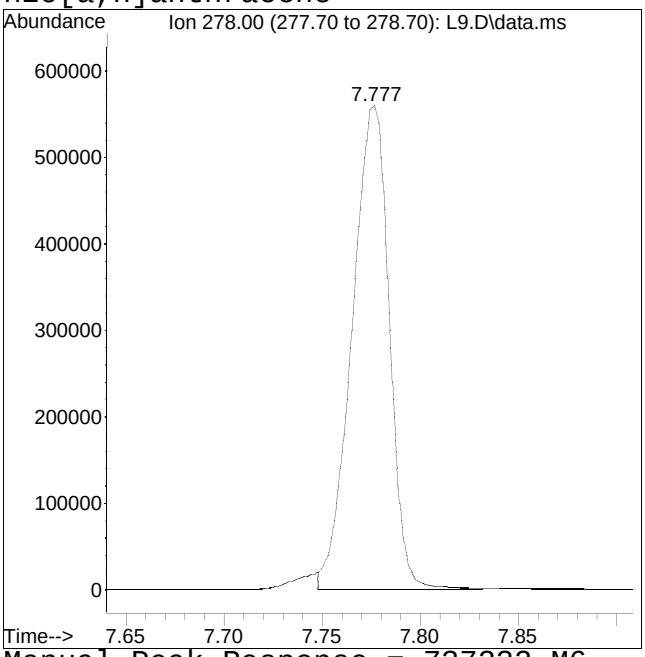
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L9.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:06 pm Instrument : SV119
Sample : IL9,32,, #10755 2500 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 758283



Manual Peak Response = 737232 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.904	152	186265	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 100.00%			
8) Naphthalene-d8	2.549	136	691724	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 100.00%			
17) Acenaphthene-d10	3.509	164	424015	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 100.00%			
22) Phenanthrene-d10	4.331	188	1027588	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 100.00%			
31) Chrysene-d12	5.841	240	965951	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 100.00%			
36) Perylene-d12	6.781	264	979854	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery = 100.00%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.339	112	65627M2	998.801	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.94%			
3) Phenol-d6	1.736	99	86170	1039.804	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.99%			
7) Nitrobenzene-d5	2.181	82	75891M3	1044.001	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.40%			
13) 2-Fluorobiphenyl	3.143	172	169529M3	947.998	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.80%			
21) 2,4,6-Tribromophenol	3.947	330	32775	1107.057	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.35%			
30) 4-Terphenyl-d14	5.235	244	263650	928.113	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 46.41%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.782	93	66261	995.215	ng/ml	100
5) n-nitrosodi-n-propylamine	2.108	70	53783	1053.696	ng/ml	100
6) Hexachloroethane	2.152	117	30066	972.906	ng/ml	100
9) Naphthalene	2.560	128	187504	978.830	ng/ml	100
10) Hexachlorobutadiene	2.637	225	41300	963.452	ng/ml	100
11) 2-Methylnaphthalene	2.936	142	146502M3	1020.760	ng/ml	
12) 1-Methylnaphthalene	2.988	142	133700M3	963.744	ng/ml	
14) 2-Chloronaphthalene	3.200	162	152169M3	984.088	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2,6-Dinitrotoluene	3.403	165	44628M4	1071.813	ng/ml	
16) Acenaphthylene	3.426	152	244662M3	990.360	ng/ml	
18) Acenaphthene	3.526	153	147231	994.764	ng/ml	100
19) 2,4-Dinitrotoluene	3.627	165	63132M3	1113.836	ng/ml	
20) Fluorene	3.812	166	191121M3	979.718	ng/ml	
23) 4,6-Dinitro-o-cresol	3.854	198	41899	991.493	ng/ml	100
24) Hexachlorobenzene	4.122	284	67031	950.023	ng/ml	100
25) Pentachlorophenol	4.235	266	45740	1037.550	ng/ml	100
26) Phenanthrene	4.343	178	287629	962.818	ng/ml	100
27) Anthracene	4.370	178	309847	1003.864	ng/ml	100
28) Fluoranthene	5.005	202	383985M6	936.097	ng/ml	
29) Pyrene	5.132	202	392628	923.685	ng/ml	100
32) Benzo[a]anthracene	5.833	228	390189	1068.137	ng/ml	100
33) 3,3'-Dichlorobenzene	5.831	252	159447	1080.743	ng/ml	100
34) Chrysene	5.856	228	366215	1018.654	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.887	149	264818M3	1014.123	ng/ml	
37) Benzo[b]fluoranthene	6.493	252	396025	975.831	ng/ml	100
38) Benzo[k]fluoranthene	6.512	252	343688M3	916.680	ng/ml	
39) Benzo[a]pyrene	6.729	252	352937	981.921	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	7.721	276	363376M2	1000.073	ng/ml	
41) Dibenzo[a,h]anthracene	7.750	278	315703M6	975.391	ng/ml	
42) Benzo[g,h,i]perylene	7.990	276	342280M2	957.706	ng/ml	

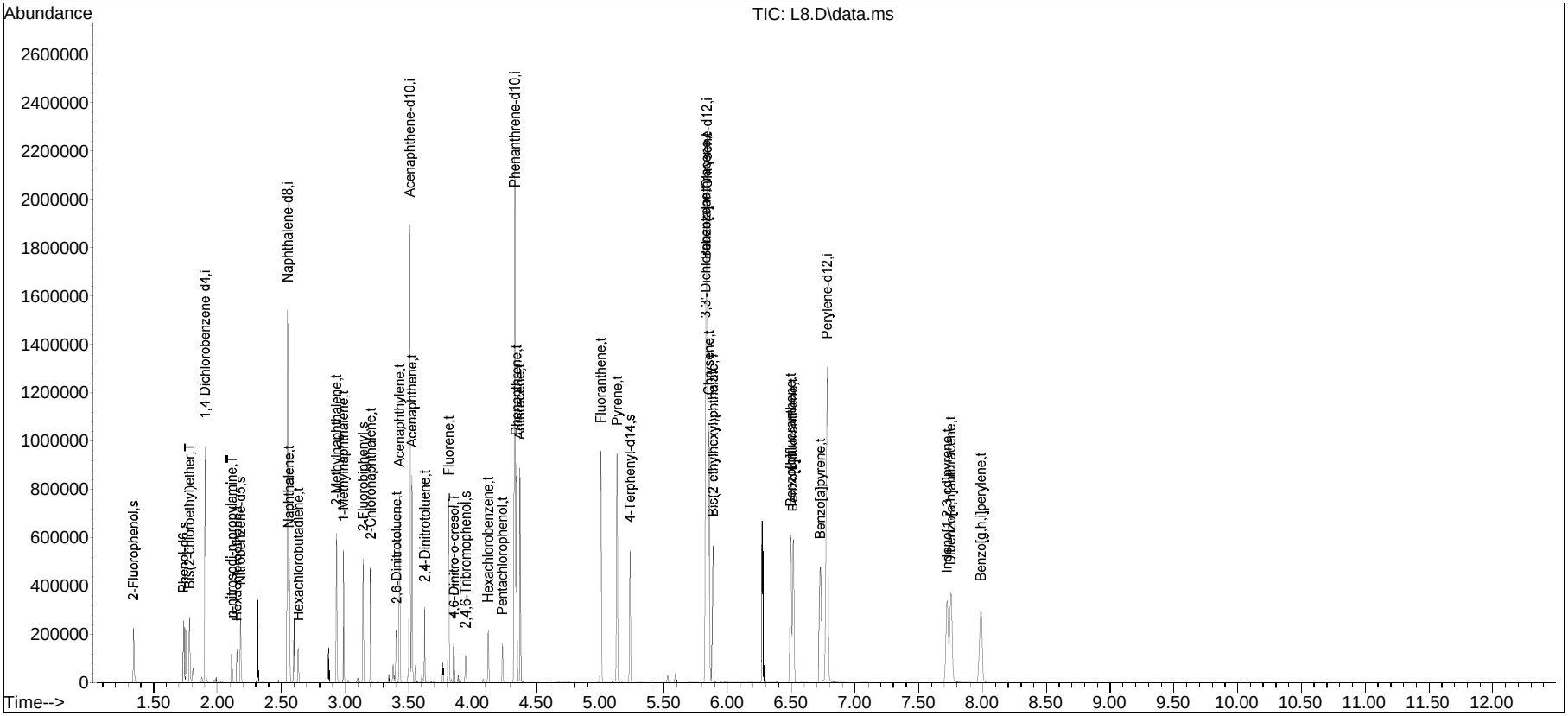
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L8.D
Acq On : 21 Jun 2024 03:23 pm
Operator : sv119:dv
Sample : IL8,32,, #10463 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 12:34:46 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:37 2024
Response via : Initial Calibration

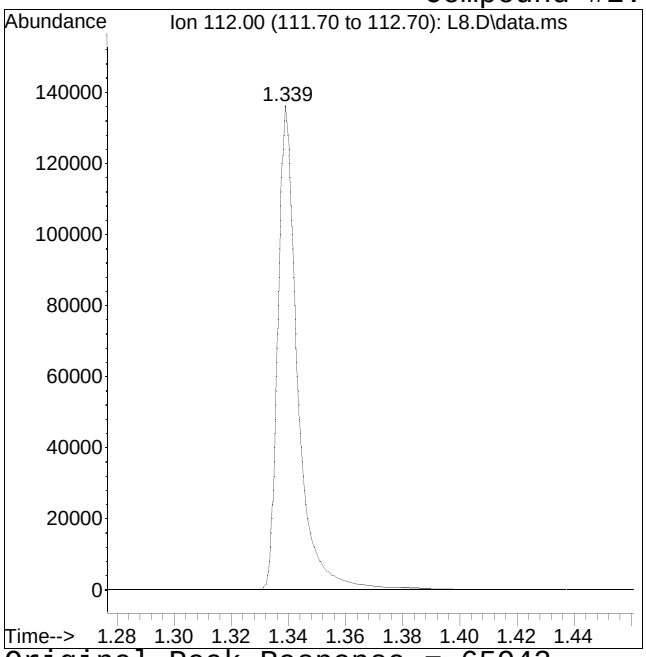
Sub List : Default - All compounds listedical\L8.D•



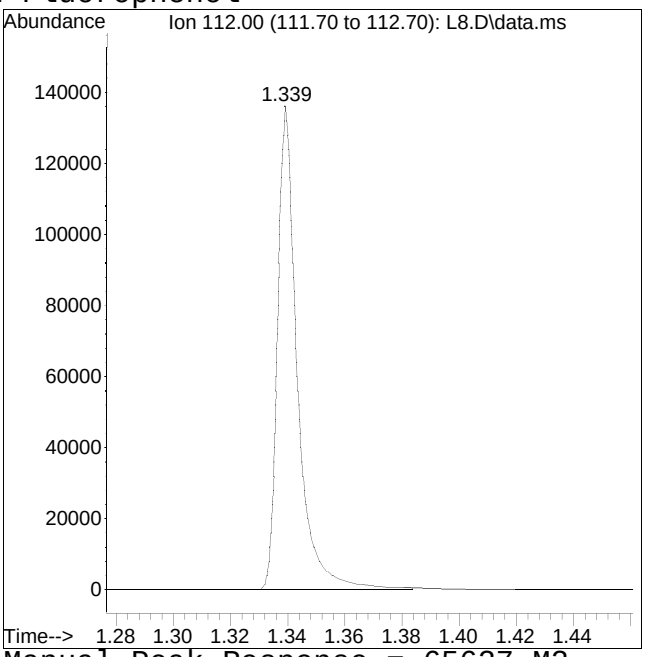
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #2: 2-Fluorophenol



Original Peak Response = 65942



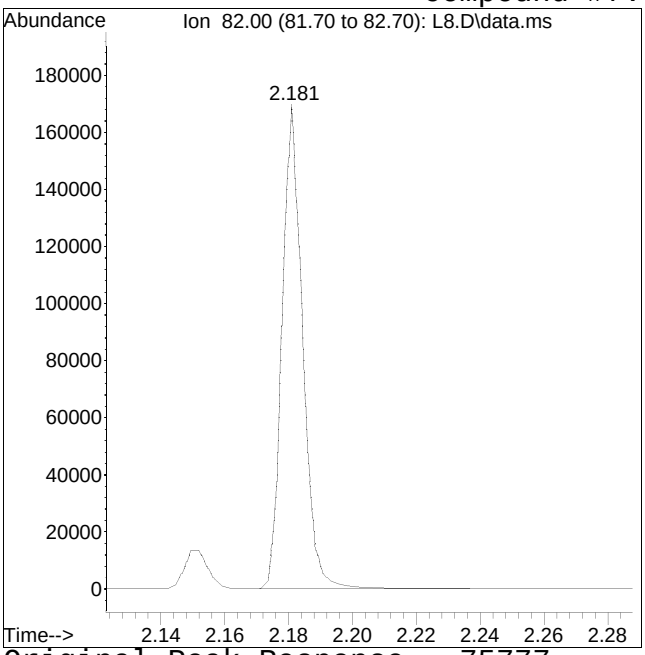
Manual Peak Response = 65627 M2

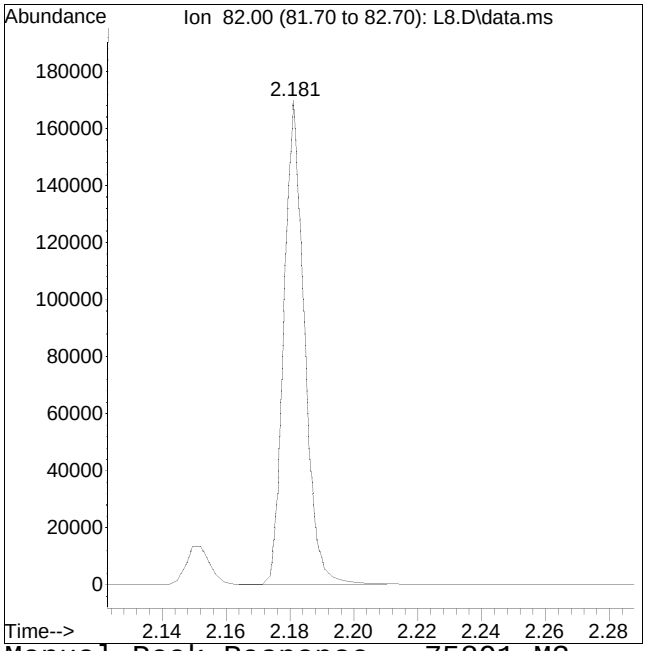
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #7: Nitrobenzene-d5





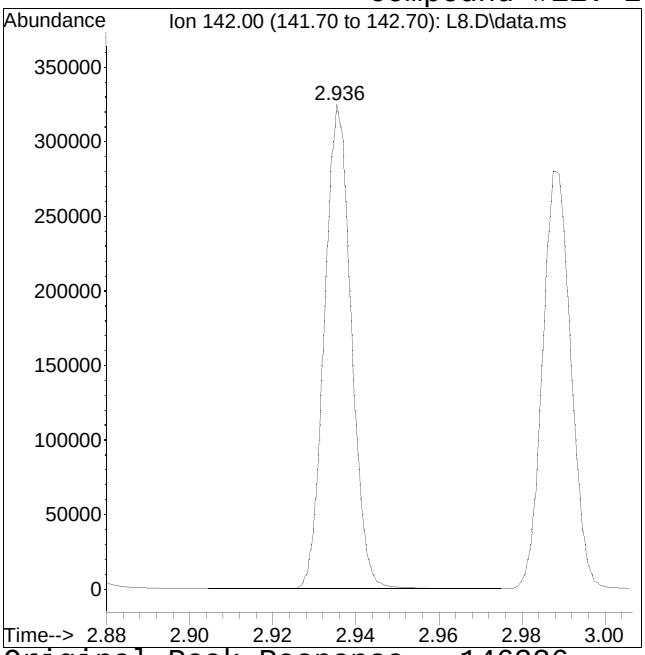
Original Peak Response = 75777 Manual Peak Response = 75891 M3

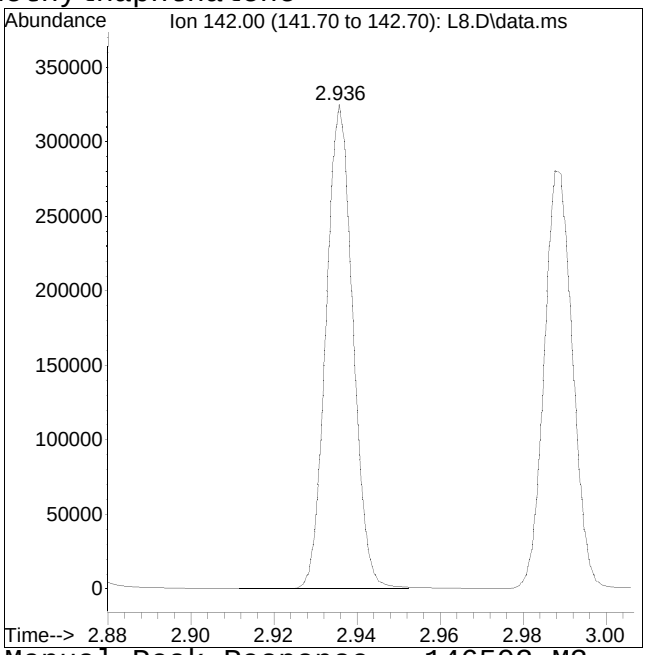
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #11: 2-Methylnaphthalene





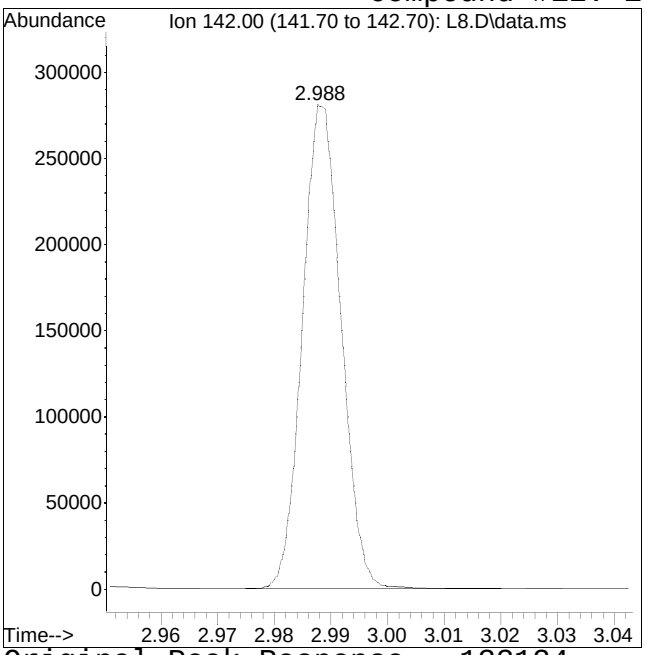
Original Peak Response = 146326 Manual Peak Response = 146502 M3

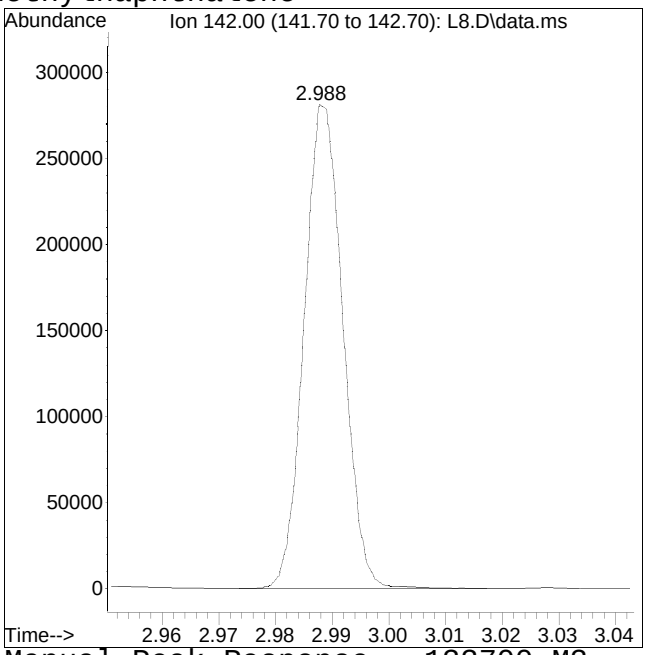
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #12: 1-Methylnaphthalene



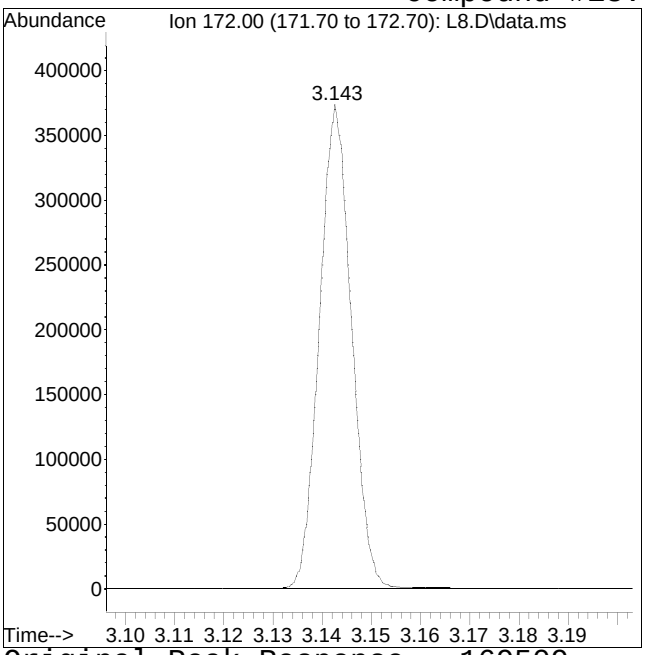


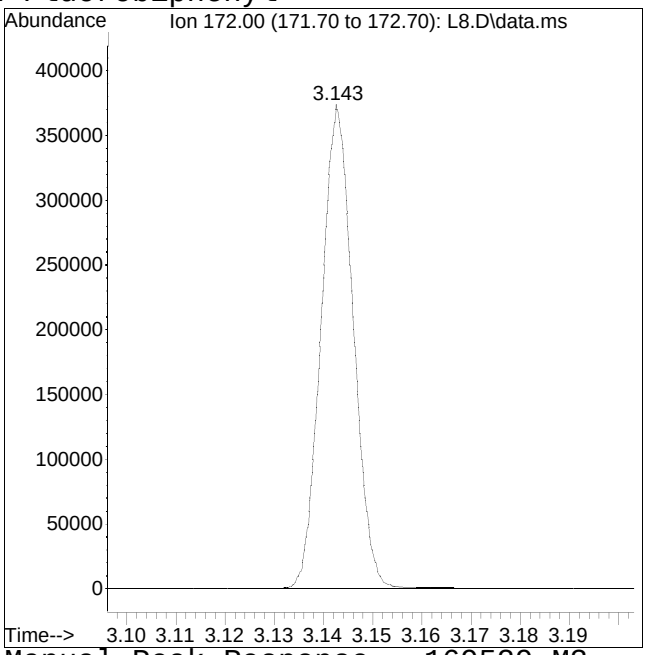
Original Peak Response = 133124 Manual Peak Response = 133700 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #13: 2-Fluorobiphenyl





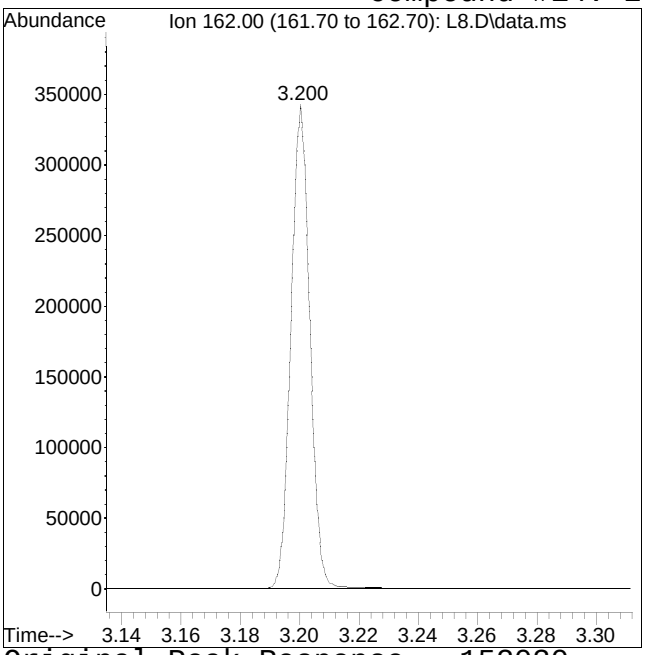
Original Peak Response = 169509 Manual Peak Response = 169529 M3

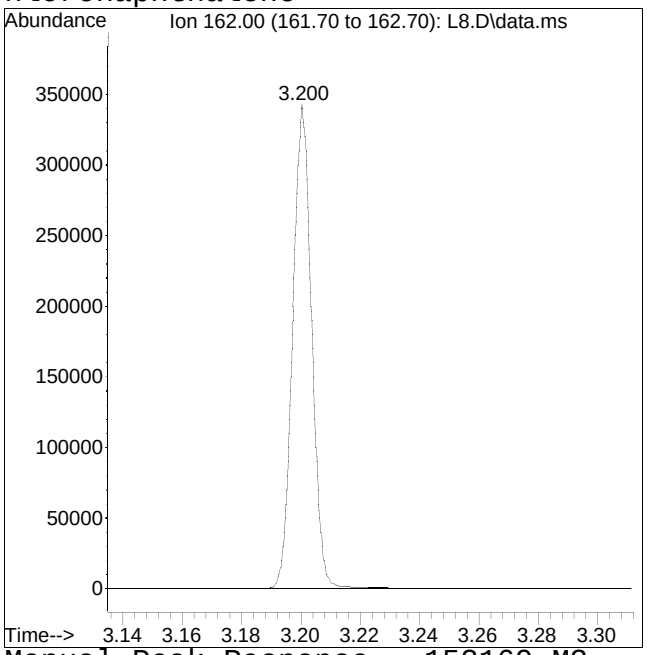
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #14: 2-Chloronaphthalene



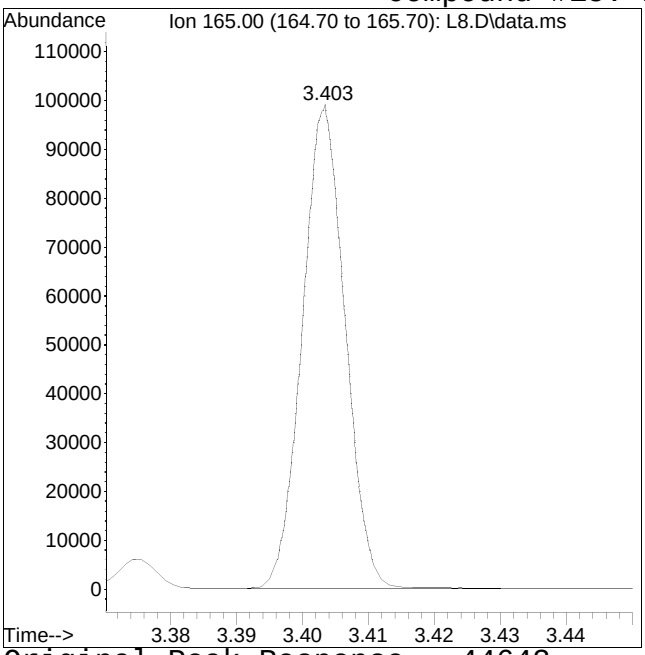


Original Peak Response = 152030 Manual Peak Response = 152169 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

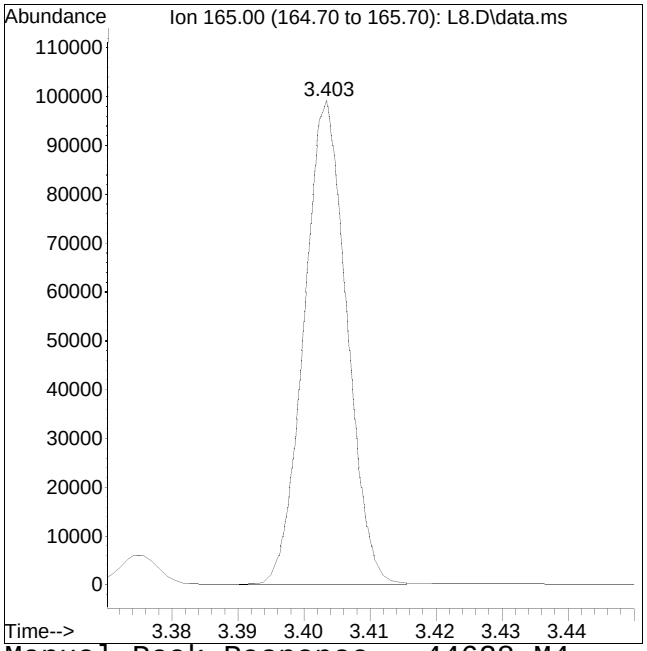
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 44643



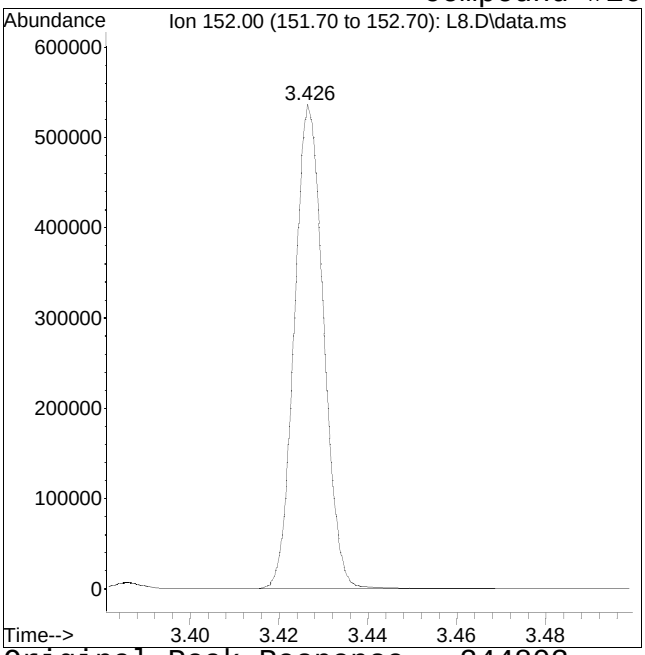
Manual Peak Response = 44628 M4

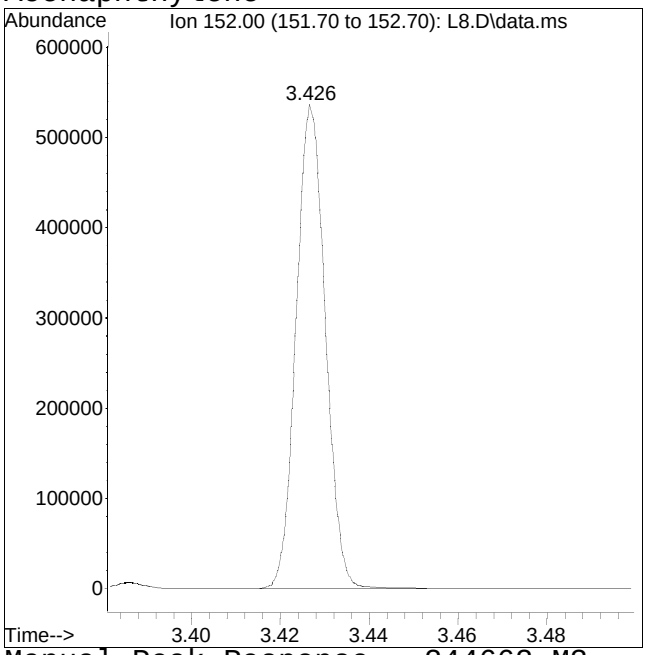
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #16: Acenaphthylene





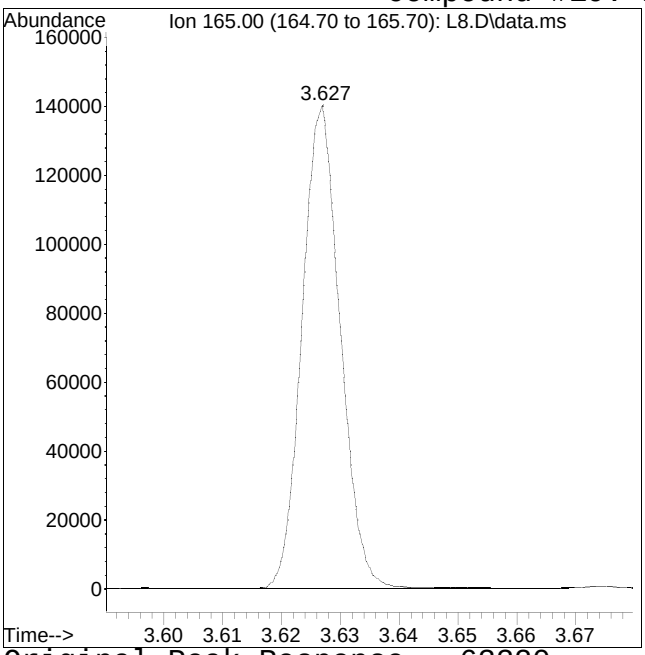
Original Peak Response = 244803 Manual Peak Response = 244662 M3

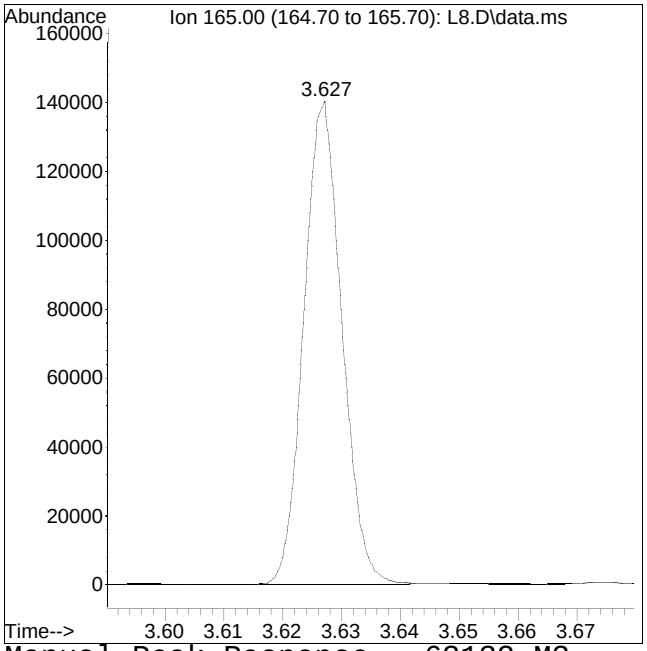
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #19: 2,4-Dinitrotoluene



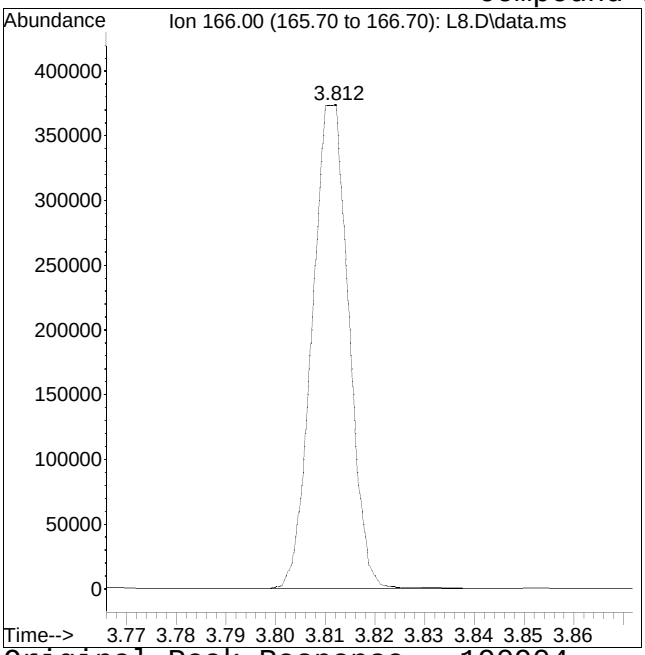


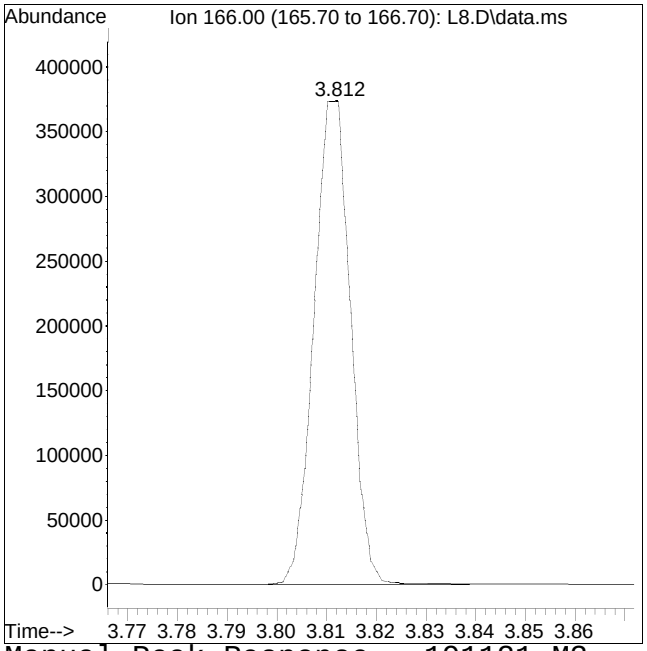
Original Peak Response = 63320 Manual Peak Response = 63132 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #20: Fluorene





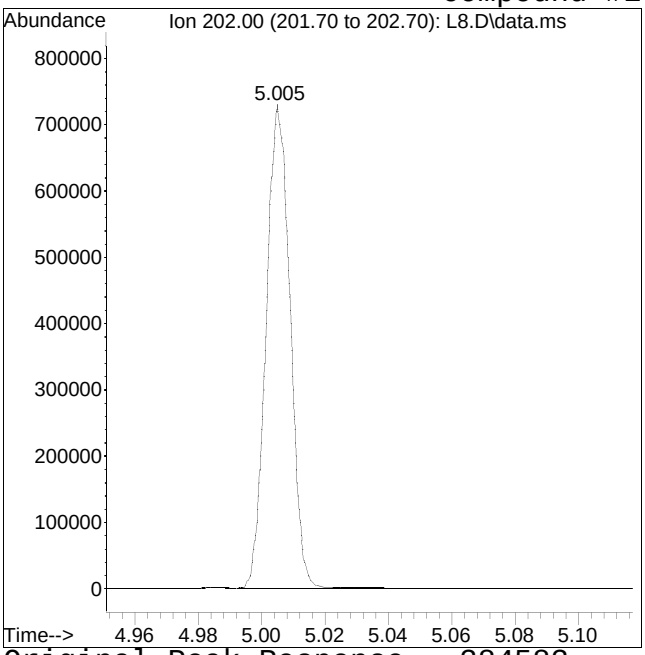
Original Peak Response = 190904 Manual Peak Response = 191121 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

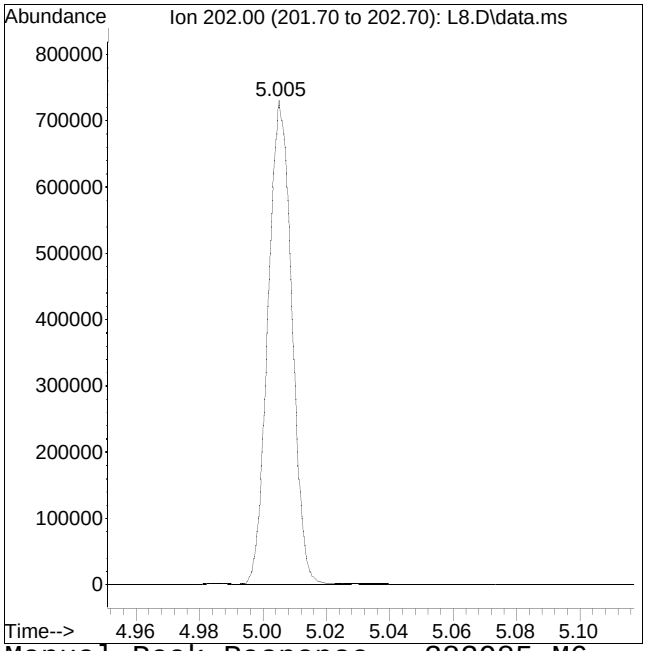
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #28: Fluoranthene



Original Peak Response = 384583



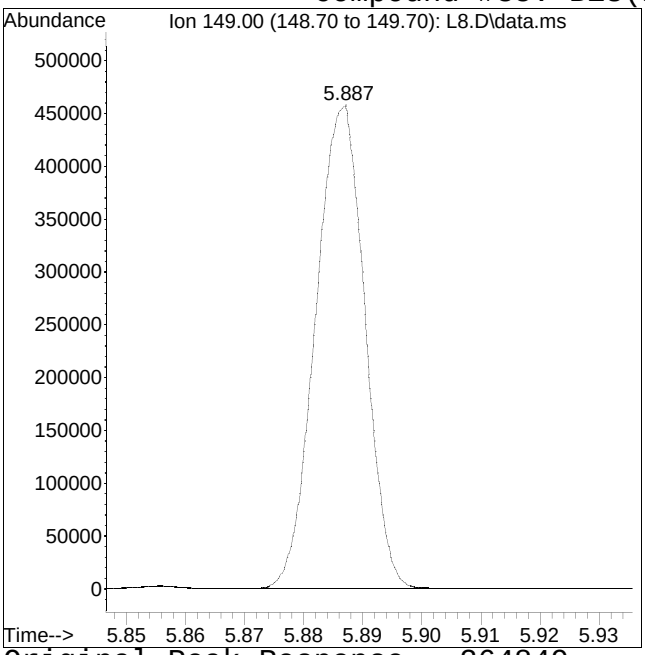
Manual Peak Response = 383985 M6

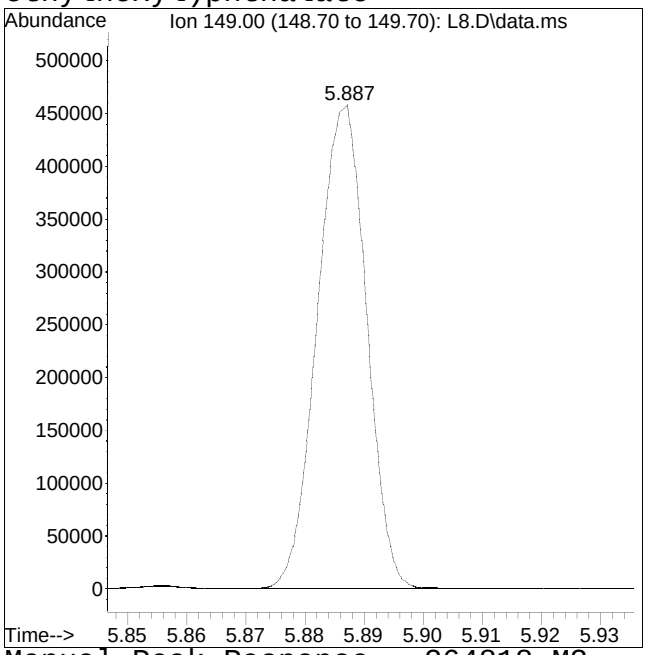
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #35: Bis(2-ethylhexyl)phthalate





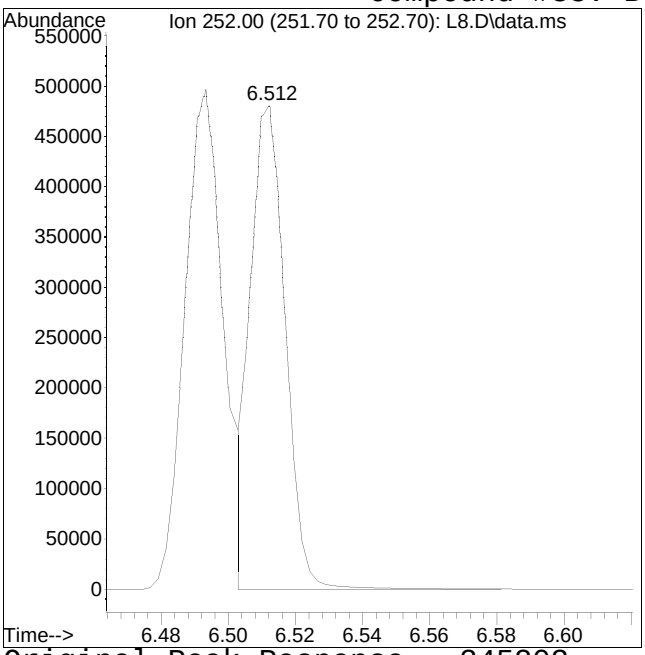
Original Peak Response = 264849 Manual Peak Response = 264818 M3

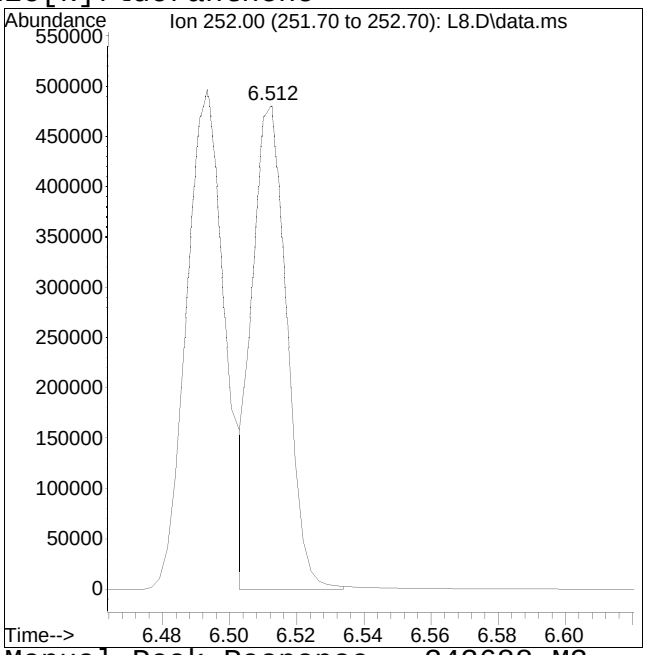
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #38: Benzo[k]fluoranthene



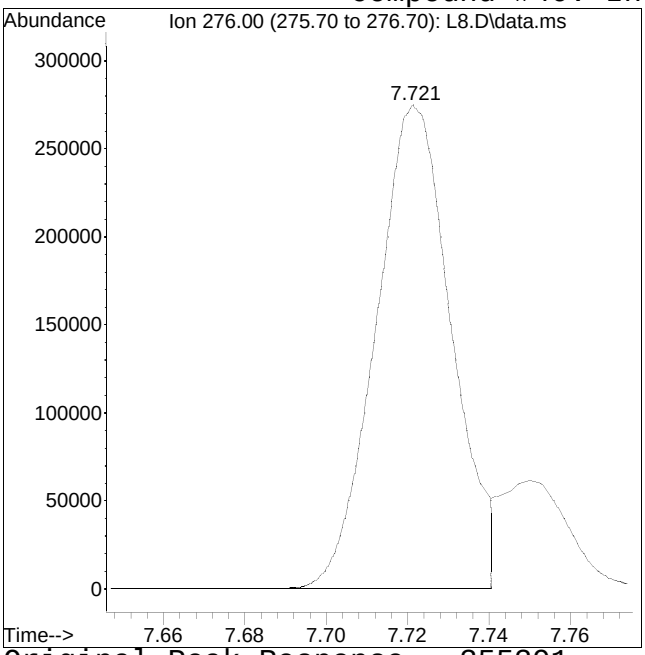


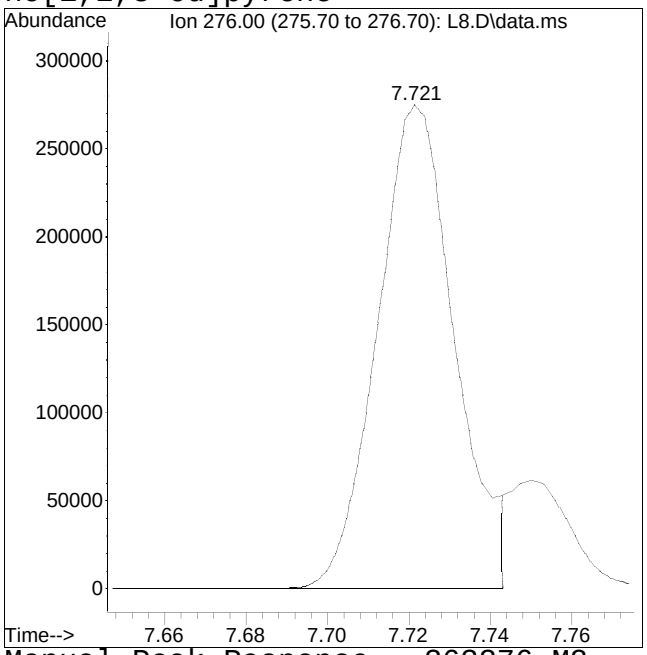
Original Peak Response = 345203 Manual Peak Response = 343688 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #40: Indeno[1,2,3-cd]pyrene



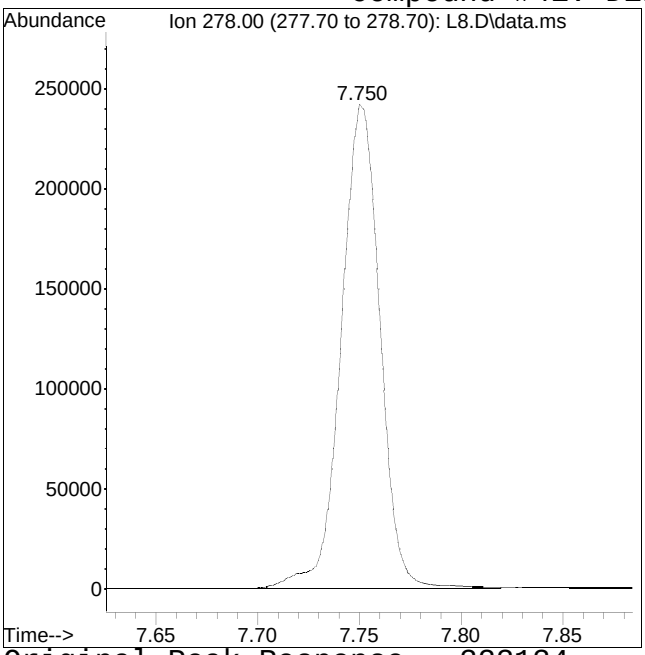


Original Peak Response = 355391 Manual Peak Response = 363376 M2
M2 = Peak not found by automatic integration algorithm.

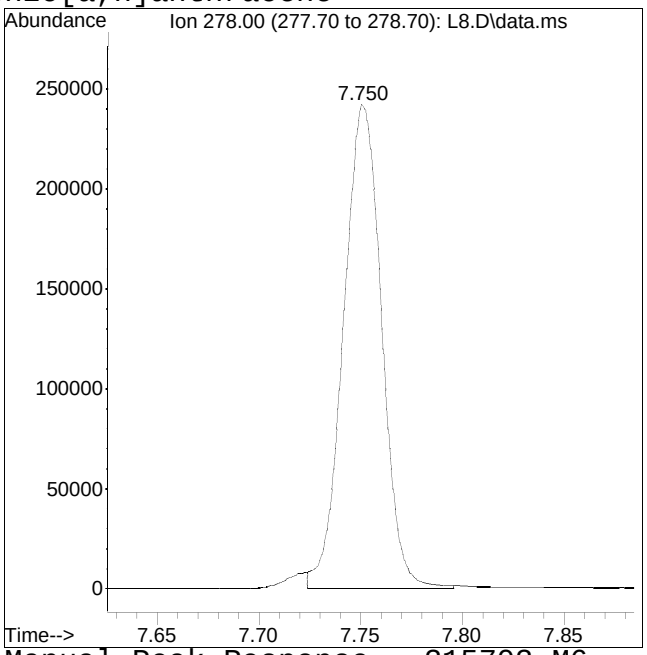
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L8.D
Date Inj'd : 6/21/2024 3:23 pm
Sample : IL8,32,, #10463 1000 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 323134



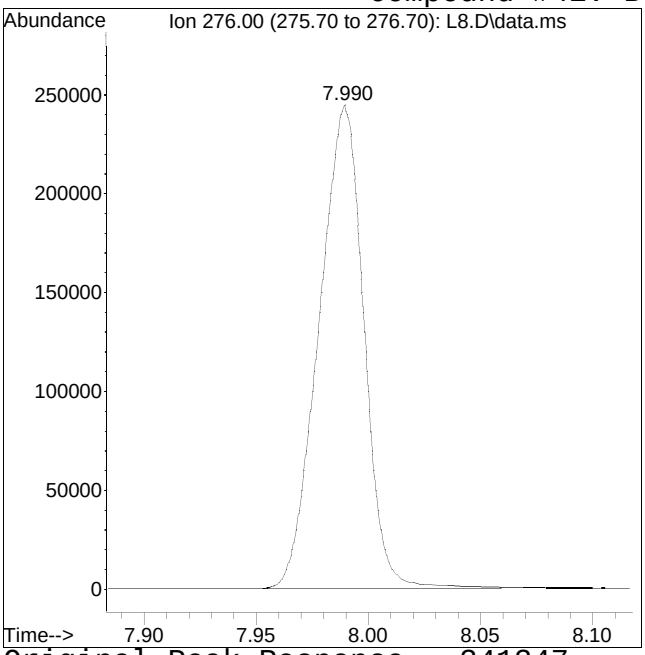
Manual Peak Response = 315703 M6

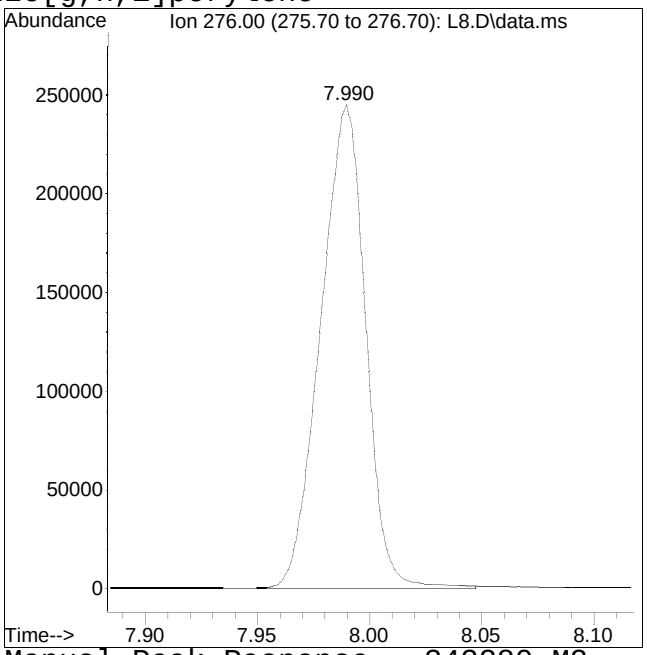
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L8.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:23 pm Instrument : SV119
Sample : IL8,32,, #10463 1000 ng/mlQuant Date : 6/26/2024 12:35 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 341347 Manual Peak Response = 342280 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.909	152	204302	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery	= 109.68%		
8) Naphthalene-d8	2.553	136	751559	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 108.65%		
17) Acenaphthene-d10	3.511	164	459733	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 108.42%		
22) Phenanthrene-d10	4.334	188	1096647	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 106.72%		
31) Chrysene-d12	5.841	240	1070301	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 110.80%		
36) Perylene-d12	6.781	264	1043335	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery	= 106.48%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.345	112	37971	526.875	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.34%		
3) Phenol-d6	1.740	99	48385	532.310	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 26.62%		
7) Nitrobenzene-d5	2.185	82	42833	537.215	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 53.72%		
13) 2-Fluorobiphenyl	3.147	172	99652	512.884	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 51.29%		
21) 2,4,6-Tribromophenol	3.949	330	18075	563.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 28.15%		
30) 4-Terphenyl-d14	5.237	244	152207	502.065	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 25.10%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.786	93	38197	523.054	ng/ml	100
5) n-nitrosodi-n-propylamine	2.114	70	29440	525.856	ng/ml	100
6) Hexachloroethane	2.156	117	17049	502.983	ng/ml	99
9) Naphthalene	2.564	128	104222	500.756	ng/ml	100
10) Hexachlorobutadiene	2.640	225	23451	503.513	ng/ml	100
11) 2-Methylnaphthalene	2.940	142	83802	537.408	ng/ml	99
12) 1-Methylnaphthalene	2.992	142	76547	507.841	ng/ml	99
14) 2-Chloronaphthalene	3.203	162	86207	513.121	ng/ml	100
15) 2,6-Dinitrotoluene	3.406	165	24385	539.019	ng/ml	99
16) Acenaphthylene	3.430	152	138843	517.274	ng/ml	100
18) Acenaphthene	3.528	153	82124	511.760	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.629	165	34468	560.872	ng/ml	99
20) Fluorene	3.814	166	109062	515.634	ng/ml	99
23) 4,6-Dinitro-o-cresol	3.854	198	21548	487.512	ng/ml	99
24) Hexachlorobenzene	4.125	284	38574	512.277	ng/ml	100
25) Pentachlorophenol	4.237	266	23228	508.657	ng/ml	99
26) Phenanthrene	4.345	178	158957	498.590	ng/ml	100
27) Anthracene	4.373	178	171955	522.029	ng/ml	100
28) Fluoranthene	5.009	202	220686	504.120	ng/ml	100
29) Pyrene	5.134	202	224446	494.774	ng/ml	100
32) Benzo[a]anthracene	5.833	228	218035	534.660	ng/ml	100
33) 3,3'-Dichlorobenzene	5.831	252	87919	537.821	ng/ml	99
34) Chrysene	5.854	228	202249	507.722	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.884	149	137675	482.910	ng/ml	99
37) Benzo[b]fluoranthene	6.491	252	215596	498.919	ng/ml	99
38) Benzo[k]fluoranthene	6.510	252	203294	509.232	ng/ml	99
39) Benzo[a]pyrene	6.726	252	194869	509.166	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.719	276	192780	498.282	ng/ml	99
41) Dibenzo[a,h]anthracene	7.750	278	170184M6	493.806	ng/ml	
42) Benzo[g,h,i]perylene	7.982	276	186688	490.574	ng/ml	100

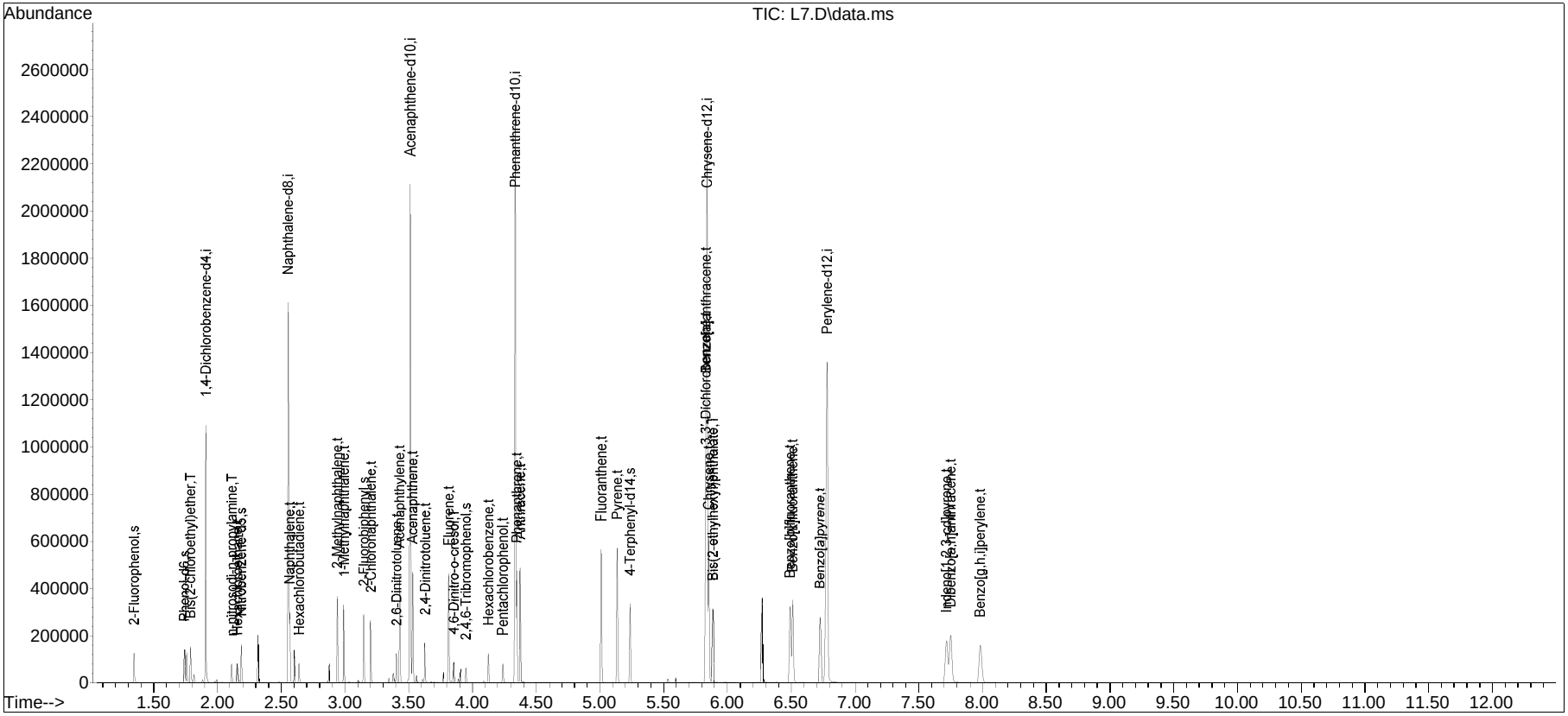
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L7.D
Acq On : 21 Jun 2024 03:39 pm
Operator : sv119:dv
Sample : IL7,32,, #10756 500 ng/ml
Misc : WG1939716,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 12:34:40 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:32 2024
Response via : Initial Calibration

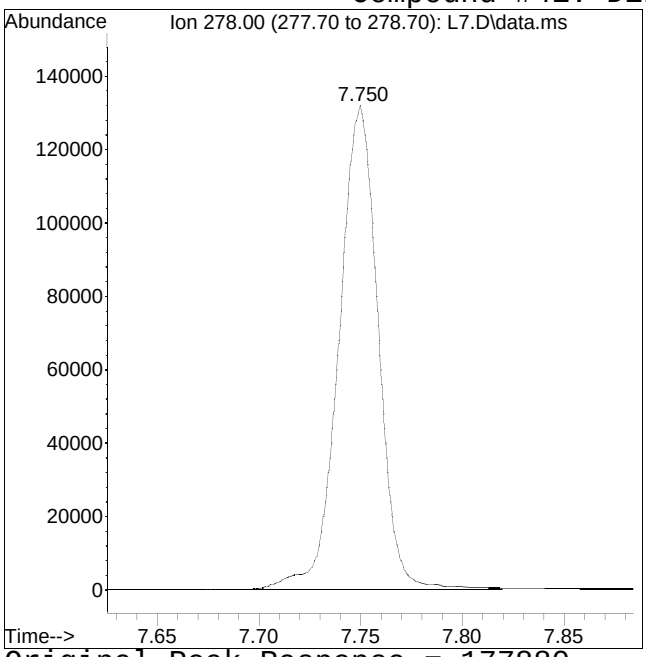
Sub List : Default - All compounds listedical\L8.D•



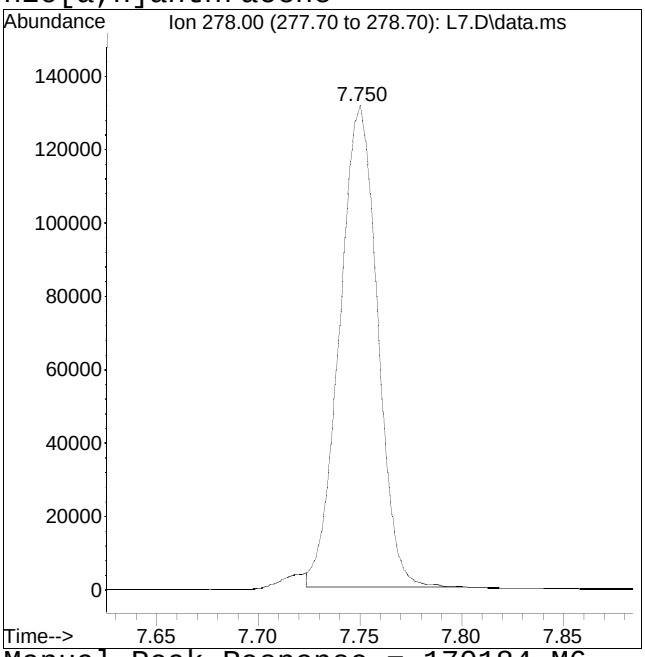
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L7.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:39 pm Instrument : SV119
Sample : IL7,32,, #10756 500 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 177880



Manual Peak Response = 170184 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.910	152	209209	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 112.32%			
8) Naphthalene-d8	2.556	136	740351	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 107.03%			
17) Acenaphthene-d10	3.512	164	452145	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 106.63%			
22) Phenanthrene-d10	4.334	188	1079747	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 105.08%			
31) Chrysene-d12	5.839	240	1140426	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 118.06%			
36) Perylene-d12	6.774	264	1053034	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery = 107.47%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.347	112	7780	105.421	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.27%#			
3) Phenol-d6	1.743	99	9644	103.610	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.18%#			
7) Nitrobenzene-d5	2.188	82	8470	103.740	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.37%#			
13) 2-Fluorobiphenyl	3.148	172	21295	111.259	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.13%#			
21) 2,4,6-Tribromophenol	3.949	330	3205	101.522	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.08%#			
30) 4-Terphenyl-d14	5.237	244	33328	111.655	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 5.58%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.791	93	8036	107.461	ng/ml	100
5) n-nitrosodi-n-propylamine	2.118	70	5504	96.006	ng/ml	99
6) Hexachloroethane	2.159	117	3479	100.231	ng/ml	100
9) Naphthalene	2.567	128	20534	100.153	ng/ml	100
10) Hexachlorobutadiene	2.641	225	4717	102.811	ng/ml	100
11) 2-Methylnaphthalene	2.941	142	16747	109.022	ng/ml	99
12) 1-Methylnaphthalene	2.993	142	15622	105.211	ng/ml	98
14) 2-Chloronaphthalene	3.204	162	17557	106.085	ng/ml	100
15) 2,6-Dinitrotoluene	3.407	165	4401	98.755	ng/ml	98
16) Acenaphthylene	3.431	152	27470	103.892	ng/ml	100
18) Acenaphthene	3.529	153	15901	100.751	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.631	165	5817	96.244	ng/ml	95
20) Fluorene	3.814	166	21606	103.865	ng/ml	98
23) 4,6-Dinitro-o-cresol	3.856	198	2885	86.397	ng/ml	96
24) Hexachlorobenzene	4.126	284	7838	105.721	ng/ml	99
25) Pentachlorophenol	4.240	266	3148	75.168	ng/ml	99
26) Phenanthrene	4.345	178	31388	99.994	ng/ml	98
27) Anthracene	4.373	178	33024	101.825	ng/ml	100
28) Fluoranthene	5.009	202	46312	107.448	ng/ml	100
29) Pyrene	5.134	202	47836	107.101	ng/ml	99
32) Benzo[a]anthracene	5.831	228	47460	102.777	ng/ml	98
33) 3,3'-Dichlorobenzene	5.828	252	16757	96.203	ng/ml	99
34) Chrysene	5.852	228	41746	98.354	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.883	149	24460	91.642	ng/ml	99
37) Benzo[b]fluoranthene	6.486	252	46371	106.321	ng/ml	98
38) Benzo[k]fluoranthene	6.505	252	44088	109.419	ng/ml	97
39) Benzo[a]pyrene	6.721	252	39529	102.333	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.712	276	39190	100.362	ng/ml	99
41) Dibenzo[a,h]anthracene	7.743	278	35608M6	102.369	ng/ml	
42) Benzo[g,h,i]perylene	7.980	276	38404	99.988	ng/ml	99

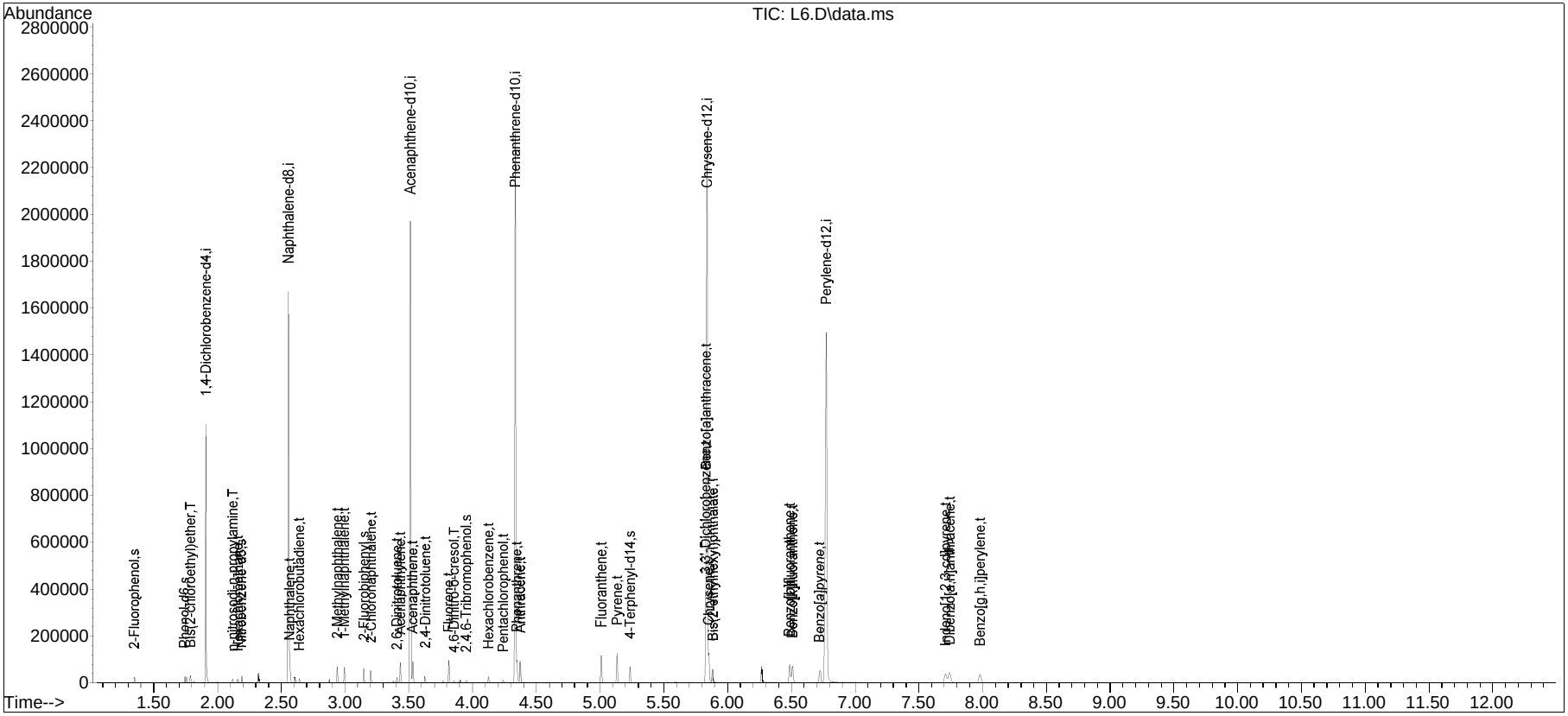
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L6.D
Acq On : 21 Jun 2024 03:55 pm
Operator : sv119:dv
Sample : IL6,32,, #10465 100 ng/ml
Misc : WG1939716,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 12:34:34 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:26 2024
Response via : Initial Calibration

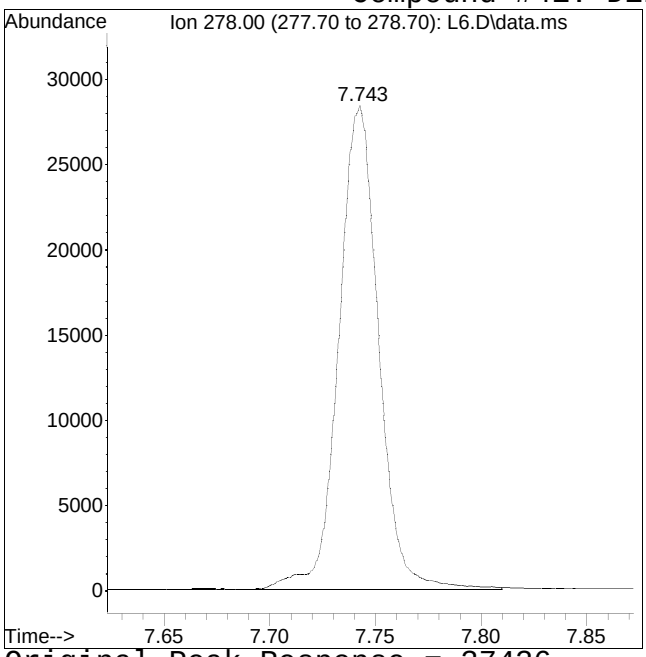
Sub List : Default - All compounds listedical\L8.D•



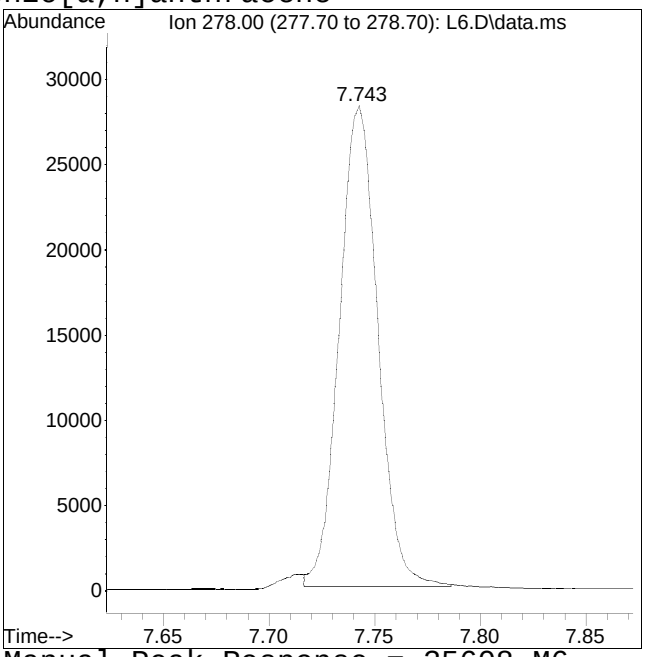
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L6.D Operator : sv119:dv
Date Inj'd : 6/21/2024 3:55 pm Instrument : SV119
Sample : IL6,32,, #10465 100 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 37436



Manual Peak Response = 35608 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.911	152	200302	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery	= 107.54%		
8) Naphthalene-d8	2.555	136	701205	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 101.37%		
17) Acenaphthene-d10	3.512	164	427946	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 100.93%		
22) Phenanthrene-d10	4.333	188	1016976	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 98.97%		
31) Chrysene-d12	5.836	240	1071660	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 110.94%		
36) Perylene-d12	6.774	264	989408	4000.000	ng/ml	0.00
Standard Area 1 = 979854			Recovery	= 100.98%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.349	112	3030	42.883	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 2.14%#		
3) Phenol-d6	1.744	99	3710	41.631	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 2.08%#		
7) Nitrobenzene-d5	2.190	82	3202	40.962	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 4.10%#		
13) 2-Fluorobiphenyl	3.148	172	8046	44.385	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 4.44%#		
21) 2,4,6-Tribromophenol	3.949	330	1198	40.094	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 2.00%#		
30) 4-Terphenyl-d14	5.235	244	12929	45.988	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 2.30%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.792	93	2992M4	41.789	ng/ml	
5) n-nitrosodi-n-propylamine	2.117	70	2088	38.041	ng/ml	98
6) Hexachloroethane	2.158	117	1336	40.202	ng/ml	100
9) Naphthalene	2.566	128	7912	40.745	ng/ml	99
10) Hexachlorobutadiene	2.640	225	1848	42.527	ng/ml	100
11) 2-Methylnaphthalene	2.941	142	6330	43.508	ng/ml	99
12) 1-Methylnaphthalene	2.995	142	5879M6	41.804	ng/ml	
14) 2-Chloronaphthalene	3.206	162	6793	43.337	ng/ml	100
15) 2,6-Dinitrotoluene	3.407	165	1600	37.907	ng/ml	96
16) Acenaphthylene	3.431	152	10607	42.355	ng/ml	99
18) Acenaphthene	3.529	153	6043	40.454	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.633	165	2002	34.997	ng/ml	89
20) Fluorene	3.814	166	8190	41.598	ng/ml	97
23) 4,6-Dinitro-o-cresol	3.858	198	976	46.132	ng/ml	96
24) Hexachlorobenzene	4.126	284	3043	43.578	ng/ml	99
25) Pentachlorophenol	4.240	266	1059	29.625	ng/ml	98
26) Phenanthrene	4.345	178	11761M6	39.780	ng/ml	
27) Anthracene	4.375	178	12291	40.237	ng/ml	100
28) Fluoranthene	5.009	202	17675	43.539	ng/ml	99
29) Pyrene	5.132	202	18547	44.088	ng/ml	99
32) Benzo[a]anthracene	5.828	228	19860	41.274	ng/ml	95
33) 3,3'-Dichlorobenzene	5.827	252	6080	37.146	ng/ml#	83
34) Chrysene	5.849	228	15648	39.233	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	5.879	149	8891	43.633	ng/ml	99
37) Benzo[b]fluoranthene	6.484	252	16977	41.428	ng/ml	99
38) Benzo[k]fluoranthene	6.503	252	17564	46.394	ng/ml	95
39) Benzo[a]pyrene	6.719	252	14757	40.660	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.712	276	14606	39.810	ng/ml	98
41) Dibenzo[a,h]anthracene	7.740	278	13633M6	41.714	ng/ml	
42) Benzo[g,h,i]perylene	7.978	276	14701	40.736	ng/ml	99

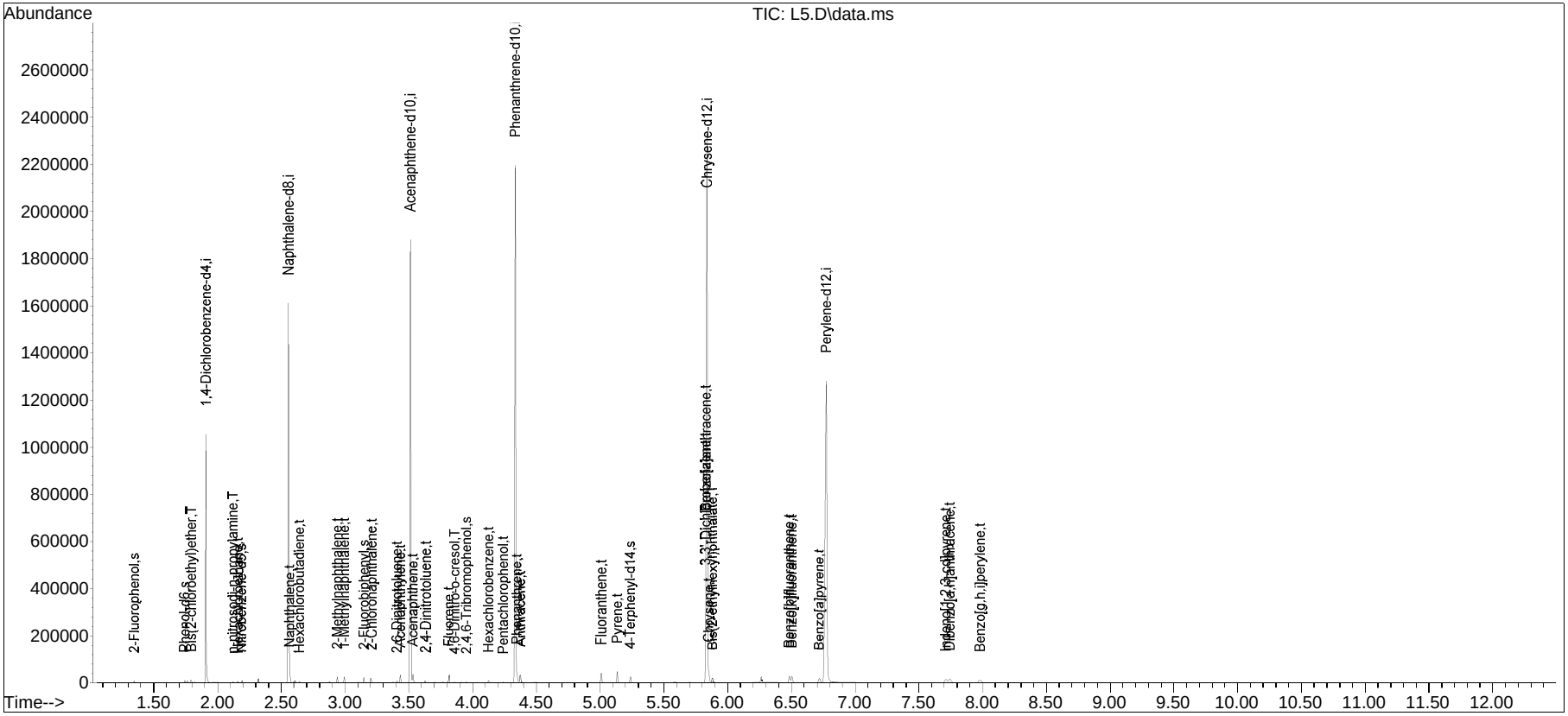
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L5.D
Acq On : 21 Jun 2024 04:12 pm
Operator : sv119:dv
Sample : IL5,32,, #10757 40 ng/ml
Misc : WG1939716,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 26 12:34:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:19 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

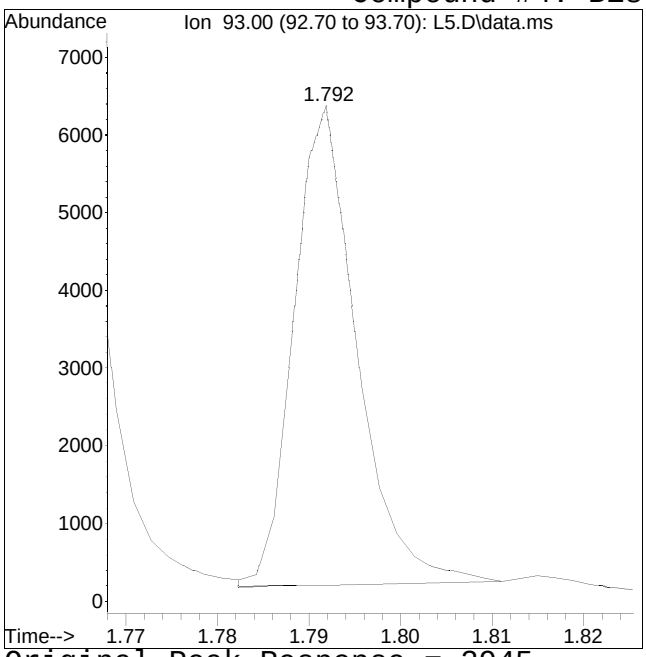


Manual Integration Report

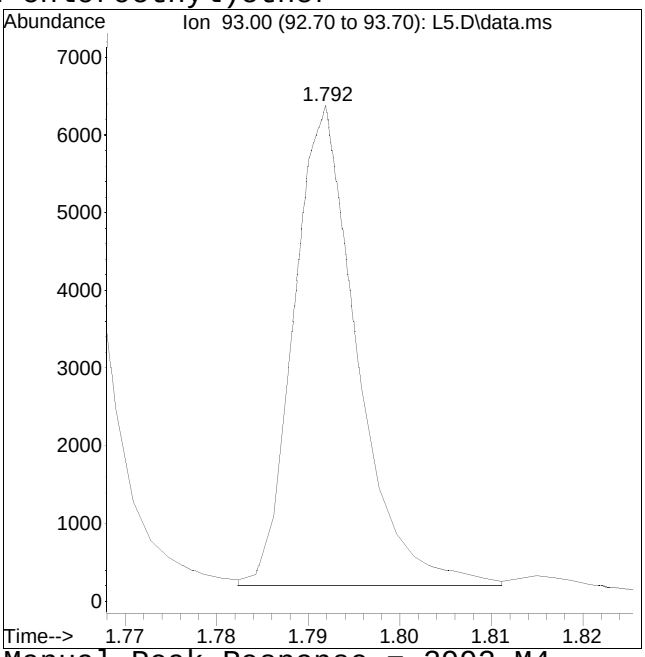
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 2945



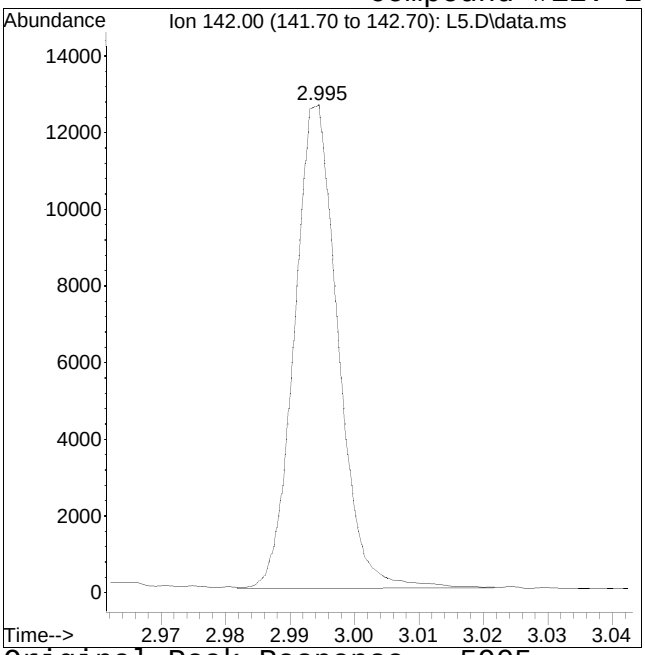
Manual Peak Response = 2992 M4

M4 = Poor automated baseline construction.

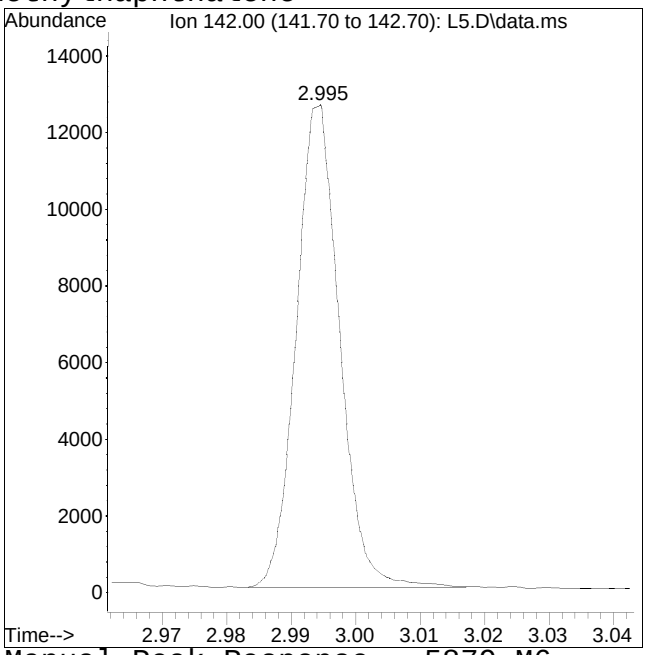
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #12: 1-Methylnaphthalene



Original Peak Response = 5905



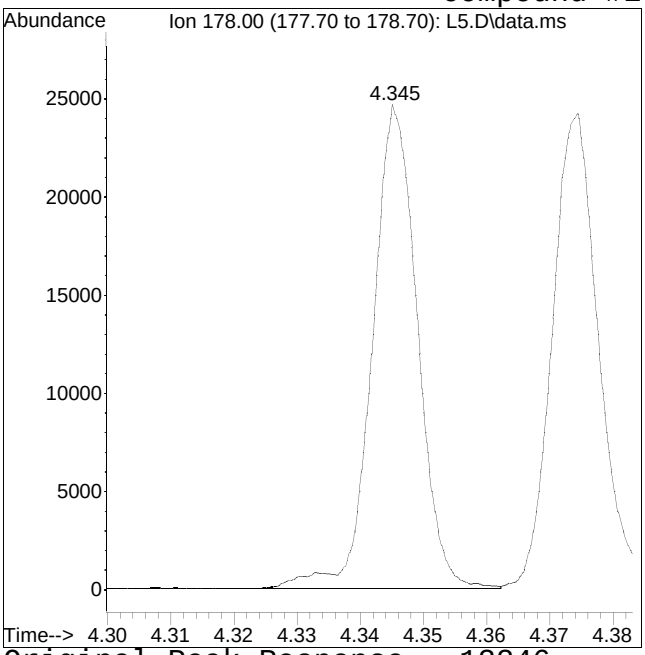
Manual Peak Response = 5879 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

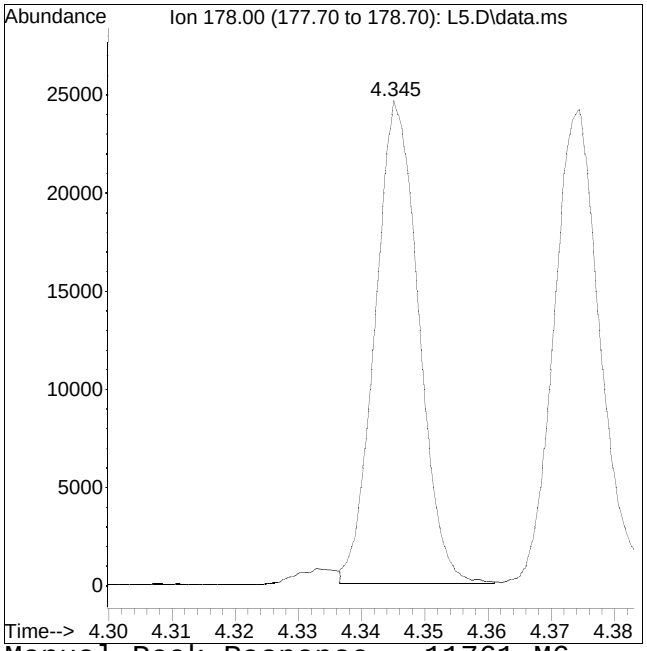
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L5.D
Date Inj'd : 6/21/2024 4:12 pm
Sample : IL5,32,, #10757 40 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #26: Phenanthrene



Original Peak Response = 12246



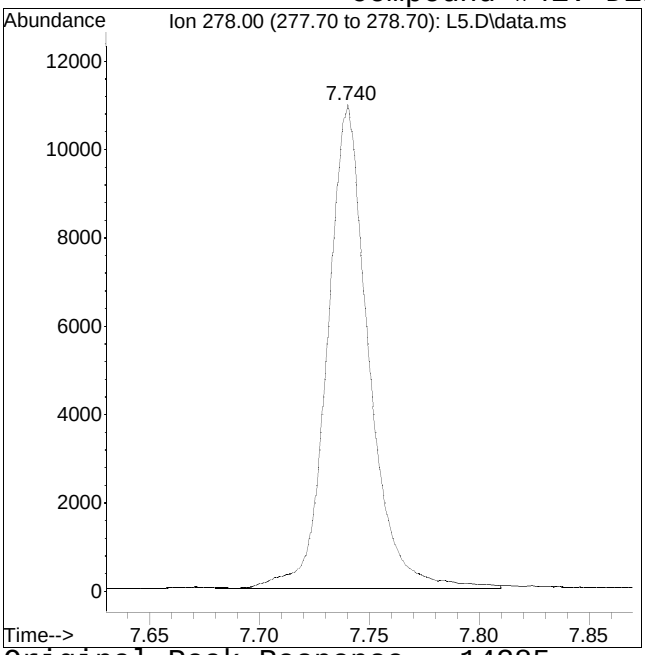
Manual Peak Response = 11761 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

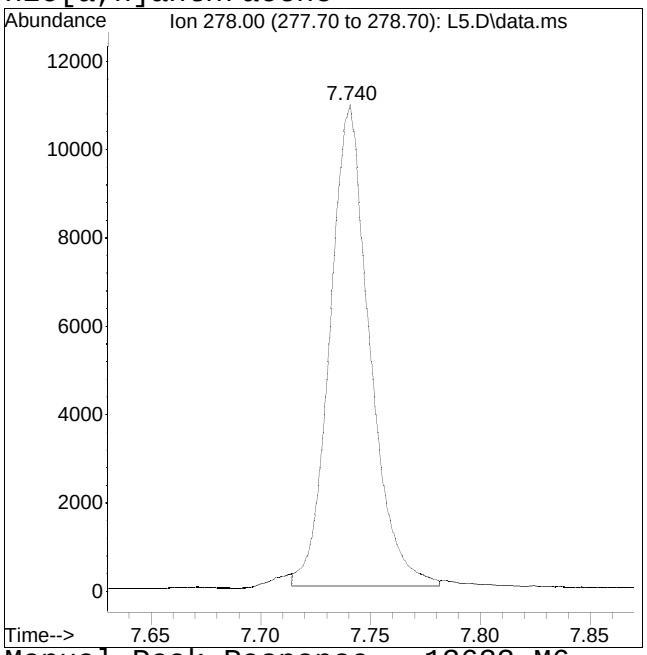
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L5.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:12 pm Instrument : SV119
Sample : IL5,32,, #10757 40 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 14285



Manual Peak Response = 13633 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.913	152	213427	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 114.58%			
8) Naphthalene-d8	2.557	136	742567	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 107.35%			
17) Acenaphthene-d10	3.512	164	453515	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 106.96%			
22) Phenanthrene-d10	4.334	188	1070494	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 104.18%			
31) Chrysene-d12	5.835	240	1128280	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 116.81%			
36) Perylene-d12	6.769	264	1013190	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery = 103.40%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.352	112	756	10.042	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	1.748	99	913	9.615	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.48%#			
7) Nitrobenzene-d5	2.192	82	771	9.257	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.93%#			
13) 2-Fluorobiphenyl	3.150	172	2120	11.043	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.10%#			
21) 2,4,6-Tribromophenol	3.951	330	290	9.158	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.46%#			
30) 4-Terphenyl-d14	5.235	244	3341	11.290	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.56%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.794	93	784M6	10.277	ng/ml	
5) n-nitrosodi-n-propylamine	2.122	70	541	9.250	ng/ml	97
6) Hexachloroethane	2.161	117	364	10.280	ng/ml	93
9) Naphthalene	2.568	128	2080	10.115	ng/ml#	95
10) Hexachlorobutadiene	2.643	225	465	10.105	ng/ml	96
11) 2-Methylnaphthalene	2.944	142	1584	10.281	ng/ml	95
12) 1-Methylnaphthalene	2.995	142	1526	10.247	ng/ml	99
14) 2-Chloronaphthalene	3.207	162	1719	10.356	ng/ml	97
15) 2,6-Dinitrotoluene	3.408	165	446	9.978	ng/ml	98
16) Acenaphthylene	3.431	152	2751	10.373	ng/ml	99
18) Acenaphthene	3.529	153	1525	9.633	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.636	165	489	8.066	ng/ml#	80
20) Fluorene	3.817	166	2091	10.022	ng/ml	95
23) 4,6-Dinitro-o-cresol	3.863	198	160	27.090	ng/ml	95
24) Hexachlorobenzene	4.127	284	784	10.666	ng/ml	98
25) Pentachlorophenol	4.242	266	244	9.794	ng/ml	94
26) Phenanthrene	4.346	178	3004	9.653	ng/ml	100
27) Anthracene	4.376	178	3071	9.551	ng/ml	99
28) Fluoranthene	5.009	202	4526	10.591	ng/ml	99
29) Pyrene	5.134	202	4681	10.571	ng/ml	99
32) Benzo[a]anthracene	5.828	228	7340	9.231	ng/ml#	86
33) 3,3'-Dichlorobenzene	5.823	252	1462	8.484	ng/ml#	23
34) Chrysene	5.848	228	3974	9.464	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.878	149	2249	20.623	ng/ml	99
37) Benzo[b]fluoranthene	6.481	252	4284	10.209	ng/ml	98
38) Benzo[k]fluoranthene	6.500	252	4243	10.945	ng/ml	99
39) Benzo[a]pyrene	6.717	252	3601	9.689	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.707	276	3518	9.364	ng/ml	98
41) Dibenzo[a,h]anthracene	7.738	278	3222M6	9.627	ng/ml	
42) Benzo[g,h,i]perylene	7.973	276	3485	9.430	ng/ml	99

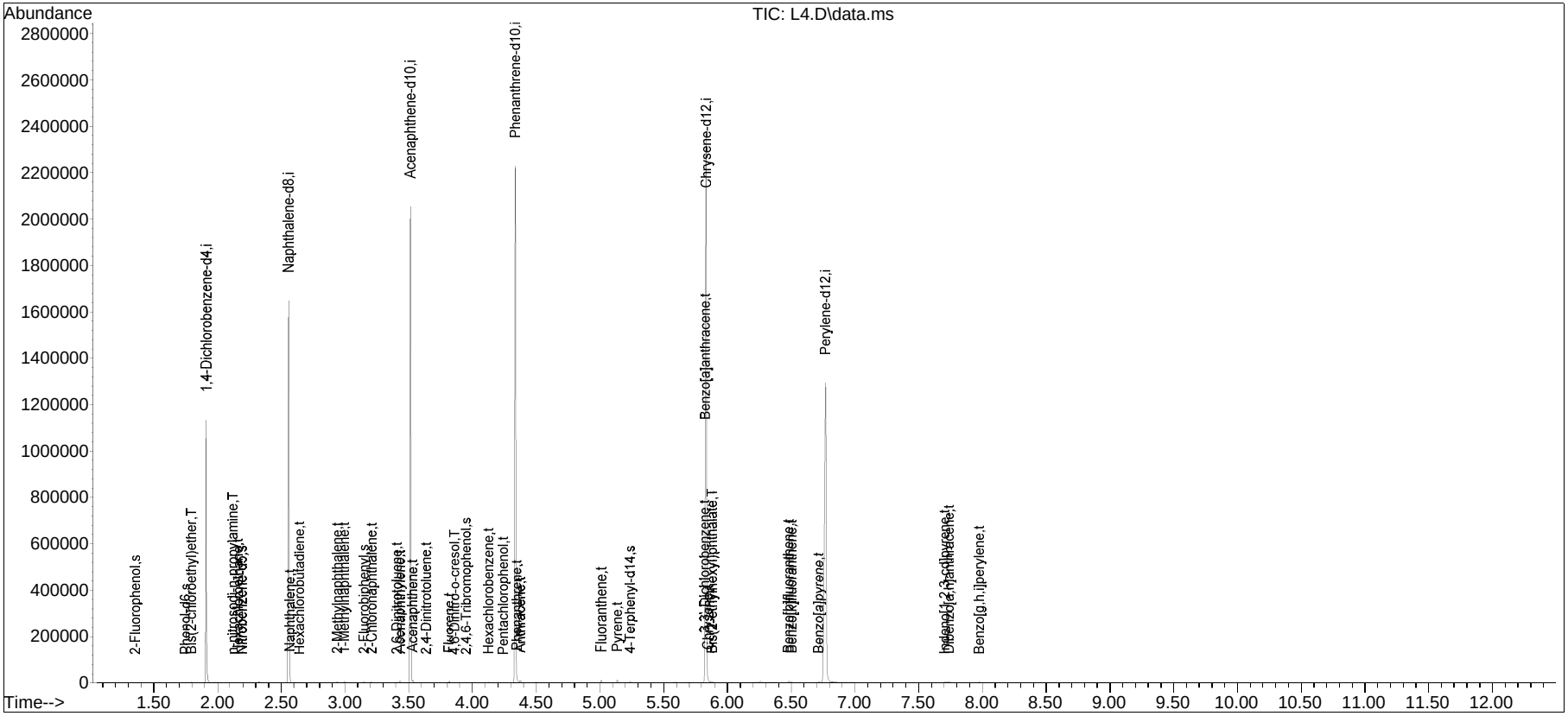
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L4.D
Acq On : 21 Jun 2024 04:28 pm
Operator : sv119:dv
Sample : IL4,32,, #10468 10 ng/ml
Misc : WG1939716,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 26 12:34:22 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:14 2024
Response via : Initial Calibration

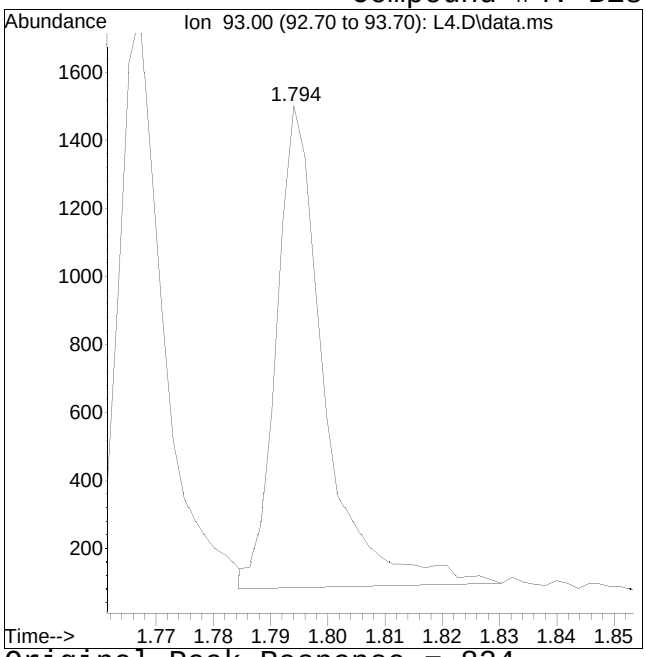
Sub List : Default - All compounds listedical\L8.D•



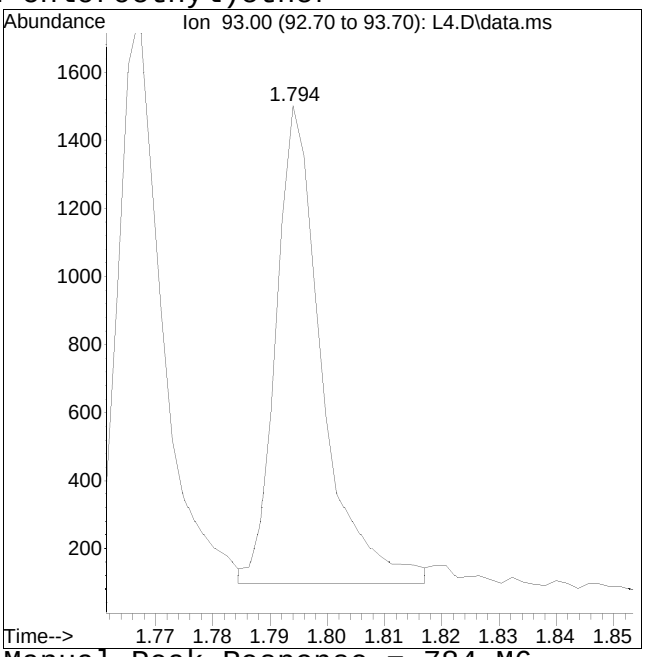
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L4.D
Date Inj'd : 6/21/2024 4:28 pm
Sample : IL4,32,, #10468 10 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 824



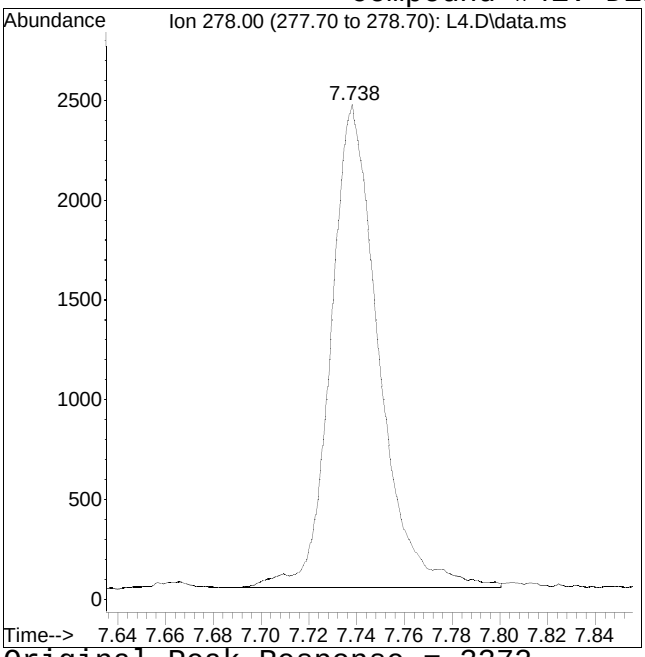
Manual Peak Response = 784 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

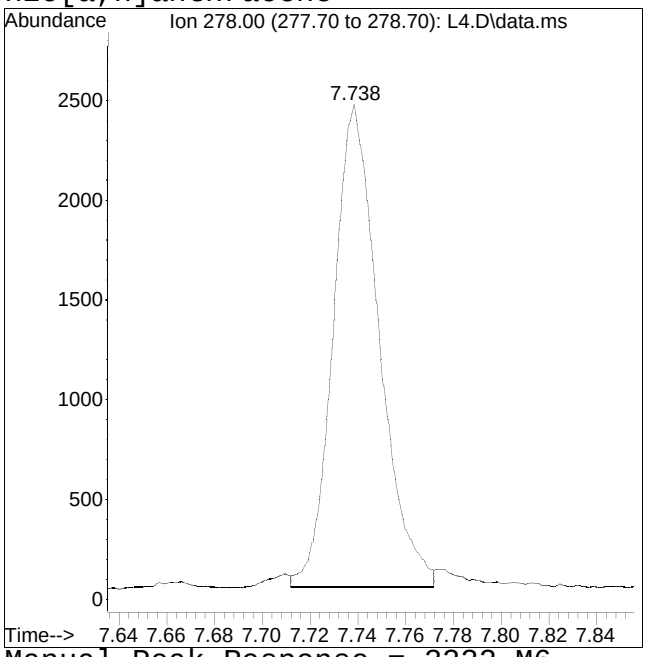
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L4.D
Date Inj'd : 6/21/2024 4:28 pm
Sample : IL4,32,, #10468 10 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 3372



Manual Peak Response = 3222 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.913	152	209500	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery = 112.47%			
8) Naphthalene-d8	2.557	136	729885	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 105.52%			
17) Acenaphthene-d10	3.513	164	447694	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 105.58%			
22) Phenanthrene-d10	4.335	188	1050136	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 102.19%			
31) Chrysene-d12	5.835	240	1112822	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 115.20%			
36) Perylene-d12	6.769	264	994319	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery = 101.48%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.352	112	377	5.101	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
3) Phenol-d6	1.748	99	449	4.817	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.194	82	369	4.513	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.45%#			
13) 2-Fluorobiphenyl	3.151	172	966	5.119	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.51%#			
21) 2,4,6-Tribromophenol	3.954	330	140	4.479	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.22%#			
30) 4-Terphenyl-d14	5.238	244	1722	5.932	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.30%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.796	93	362M6	4.834	ng/ml	
5) n-nitrosodi-n-propylamine	2.124	70	276	4.808	ng/ml	97
6) Hexachloroethane	2.160	117	183	5.265	ng/ml	91
9) Naphthalene	2.568	128	1056	5.224	ng/ml#	90
10) Hexachlorobutadiene	2.642	225	242	5.350	ng/ml	95
11) 2-Methylnaphthalene	2.944	142	756	4.992	ng/ml	96
12) 1-Methylnaphthalene	2.997	142	782	5.342	ng/ml	95
14) 2-Chloronaphthalene	3.209	162	844	5.173	ng/ml	98
15) 2,6-Dinitrotoluene	3.410	165	195	4.438	ng/ml#	82
16) Acenaphthylene	3.434	152	1306	5.010	ng/ml	99
18) Acenaphthene	3.530	153	758	4.851	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.638	165	224	3.743	ng/ml	91
20) Fluorene	3.817	166	1056	5.127	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.129	284	371	5.145	ng/ml	99
25) Pentachlorophenol	4.242	266	136	7.392	ng/ml#	74
26) Phenanthrene	4.348	178	1497M6	4.904	ng/ml	
27) Anthracene	4.376	178	1527	4.841	ng/ml	97
28) Fluoranthene	5.011	202	2184	5.210	ng/ml	100
29) Pyrene	5.136	202	2343	5.394	ng/ml	99
32) Benzo[a]anthracene	5.832	228	5283	4.547	ng/ml#	78
33) 3,3'-Dichlorobenzene	5.827	252	688	4.048	ng/ml#	1
34) Chrysene	5.848	228	1952M1	4.713	ng/ml	
35) Bis(2-ethylhexyl)phtha...	5.878	149	1208	17.310	ng/ml	99
37) Benzo[b]fluoranthene	6.481	252	1989	4.830	ng/ml	97
38) Benzo[k]fluoranthene	6.501	252	2168M4	5.698	ng/ml	
39) Benzo[a]pyrene	6.717	252	1780	4.880	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.709	276	1673	4.537	ng/ml	95
41) Dibenzo[a,h]anthracene	7.741	278	1564M6	4.762	ng/ml	
42) Benzo[g,h,i]perylene	7.975	276	1758	4.847	ng/ml	100

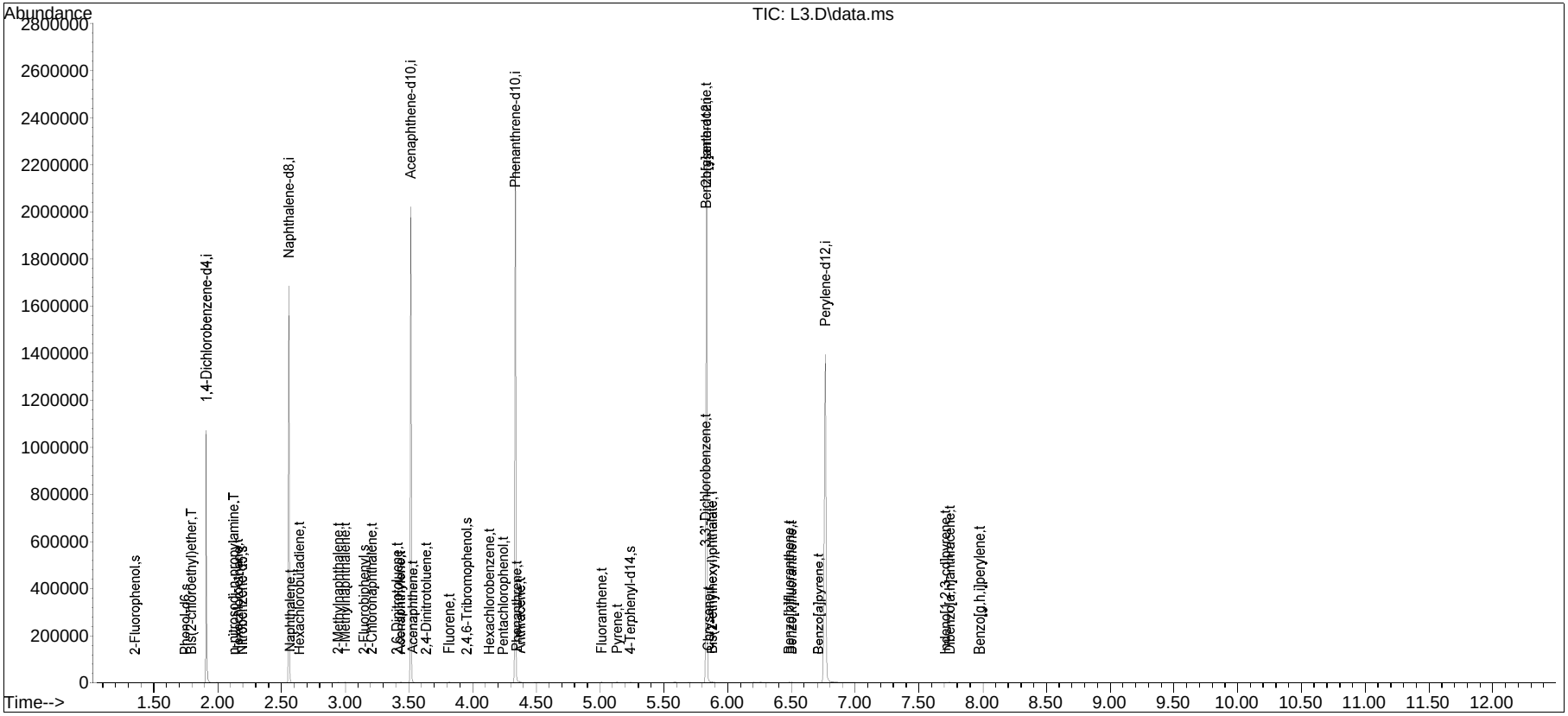
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L3.D
Acq On : 21 Jun 2024 04:44 pm
Operator : sv119:dv
Sample : IL3,32,, #10469 5 ng/ml
Misc : WG1939716,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 12:39:28 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:35:07 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

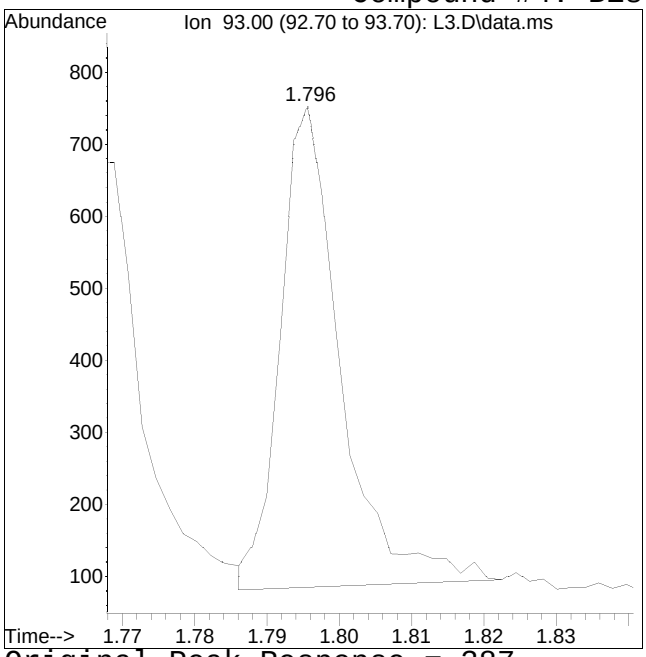


Manual Integration Report

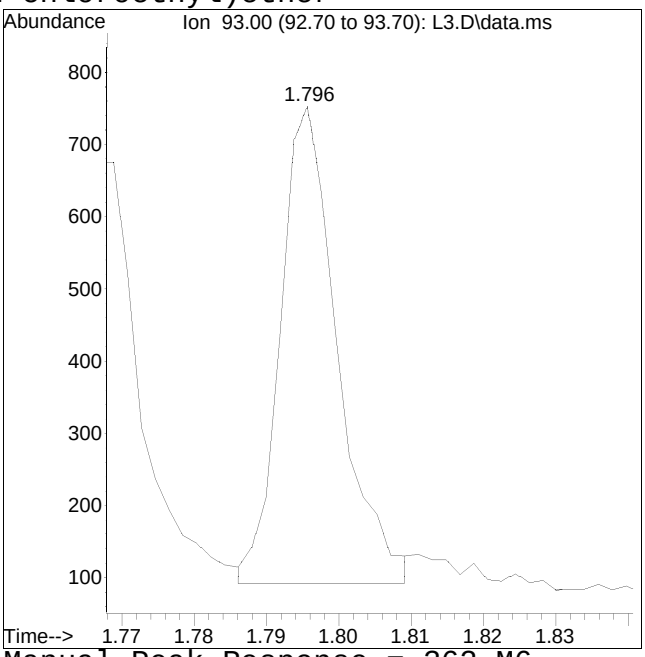
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 387



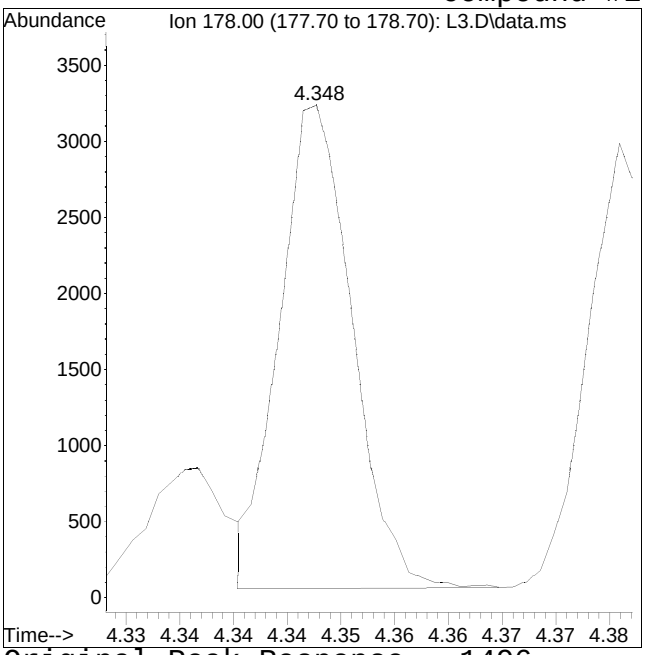
Manual Peak Response = 362 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

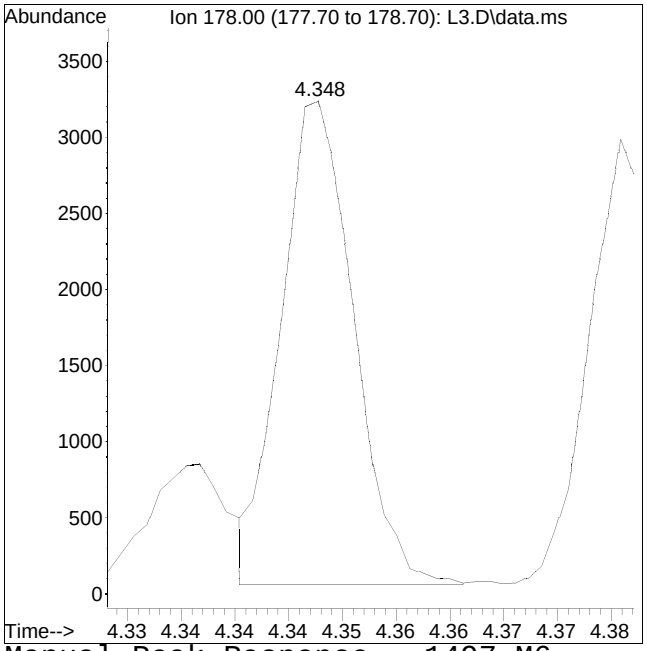
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #26: Phenanthrene



Original Peak Response = 1496



Manual Peak Response = 1497 M6

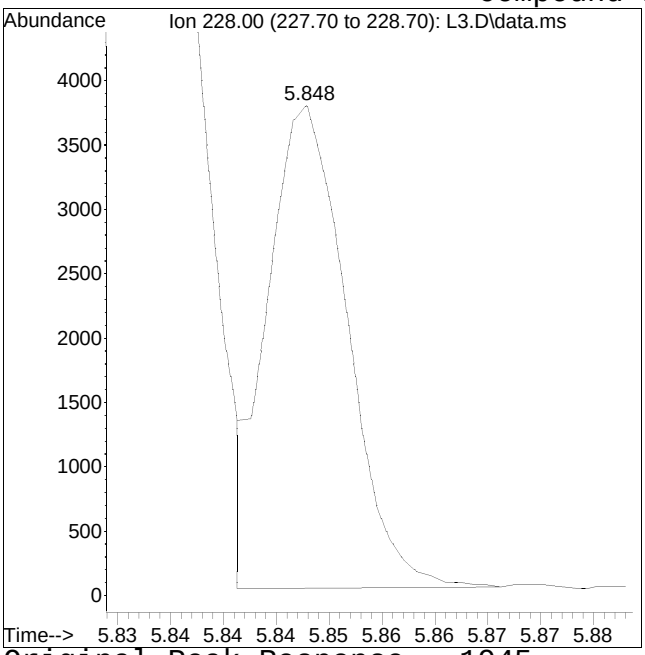
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

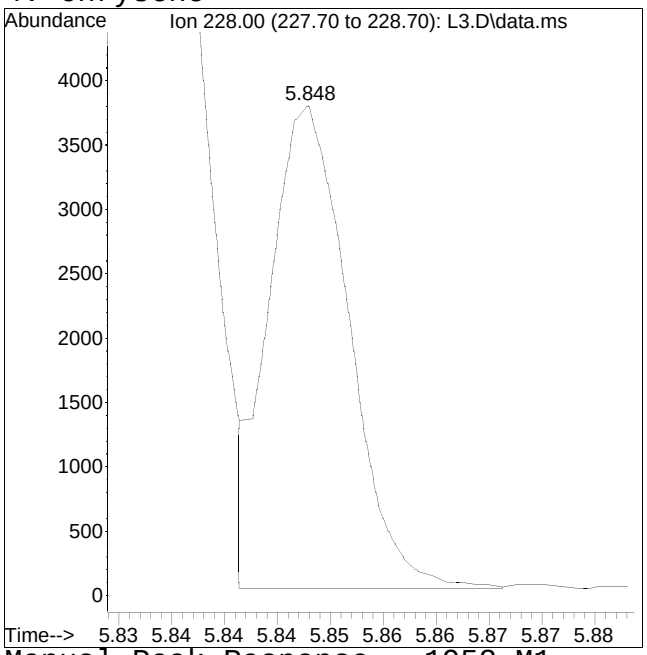
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L3.D
Date Inj'd : 6/21/2024 4:44 pm
Sample : IL3,32,, #10469 5 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:35 pm

Compound #34: Chrysene



Original Peak Response = 1945



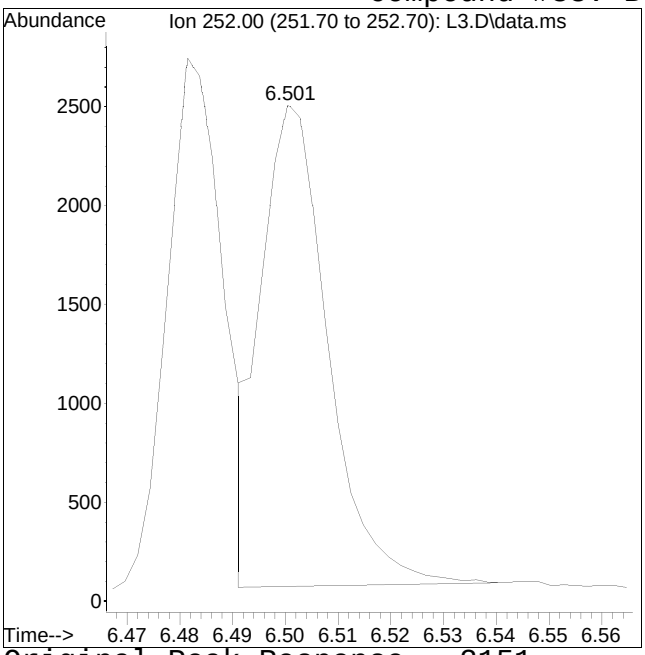
Manual Peak Response = 1952 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

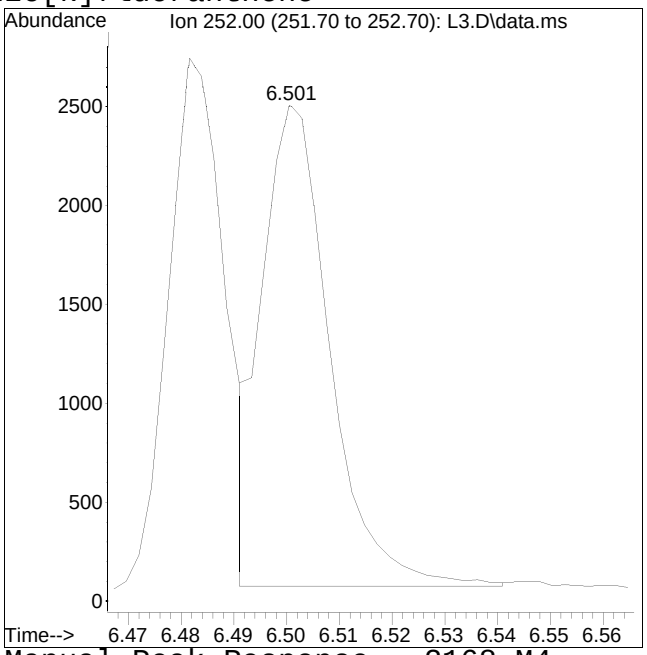
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L3.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:44 pm Instrument : SV119
Sample : IL3,32,, #10469 5 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2151



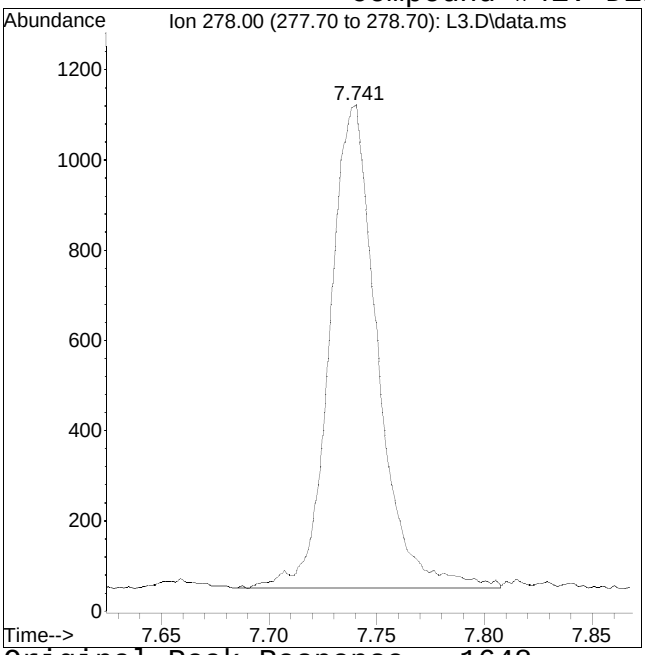
Manual Peak Response = 2168 M4

M4 = Poor automated baseline construction.

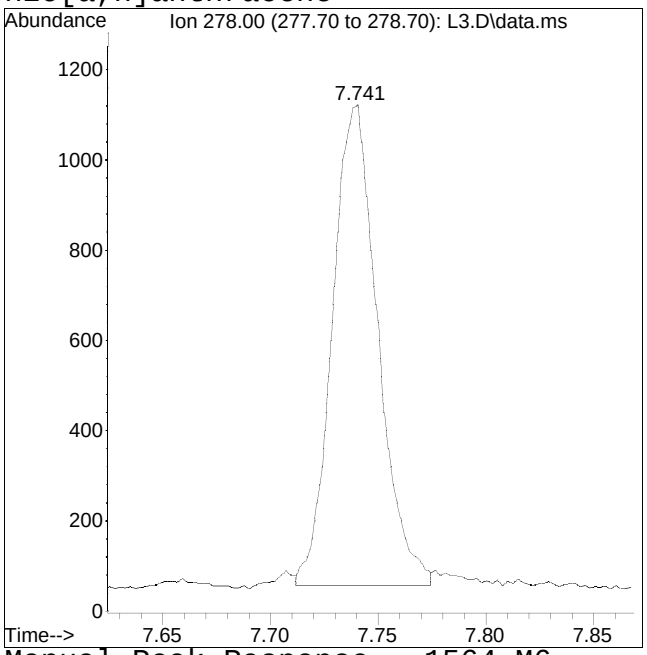
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQMethod : SIM-RVT_240621_sv119.M
Data File : L3.D Operator : sv119:dv
Date Inj'd : 6/21/2024 4:44 pm Instrument : SV119
Sample : IL3,32,, #10469 5 ng/ml Quant Date : 6/26/2024 12:35 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1648



Manual Peak Response = 1564 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.915	152	202808	4000.000	ng/ml	0.01
Standard Area 1 = 186265			Recovery	= 108.88%		
8) Naphthalene-d8	2.557	136	710799	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 102.76%		
17) Acenaphthene-d10	3.513	164	436373	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 102.91%		
22) Phenanthrene-d10	4.334	188	1034805	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 100.70%		
31) Chrysene-d12	5.835	240	1089887	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 112.83%		
36) Perylene-d12	6.769	264	975901	4000.000	ng/ml	-0.01
Standard Area 1 = 979854			Recovery	= 99.60%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.353	112	152	2.125	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#		
3) Phenol-d6	1.750	99	183	2.028	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.10%#		
7) Nitrobenzene-d5	2.195	82	175	2.211	ng/ml	0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#		
13) 2-Fluorobiphenyl	3.151	172	406	2.209	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#		
21) 2,4,6-Tribromophenol	3.953	330	61M1	2.002	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.10%#		
30) 4-Terphenyl-d14	5.237	244	776	2.713	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.14%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.796	93	156M4	2.152	ng/ml	
5) n-nitrosodi-n-propylamine	2.124	70	112M6	2.029	ng/ml	
6) Hexachloroethane	2.161	117	80	2.378	ng/ml	94
9) Naphthalene	2.568	128	448	2.283	ng/ml	98
10) Hexachlorobutadiene	2.642	225	104	2.361	ng/ml	89
11) 2-Methylnaphthalene	2.944	142	294	1.993	ng/ml	98
12) 1-Methylnaphthalene	2.998	142	313	2.196	ng/ml	96
14) 2-Chloronaphthalene	3.209	162	336	2.115	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.434	152	540	2.127	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.530	153	334	2.193	ng/ml	93
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	3.819	166	454	2.261	ng/ml	92
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.127	284	168	2.364	ng/ml	99
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.346	178	700	2.327	ng/ml	99
27) Anthracene	4.376	178	689	2.217	ng/ml	100
28) Fluoranthene	5.011	202	1047	2.535	ng/ml	99
29) Pyrene	5.134	202	1088	2.542	ng/ml	100
32) Benzo[a]anthracene	5.833	228	4126	1.985	ng/ml#	74
33) 3,3'-Dichlorobenzene	5.826	252	303	1.820	ng/ml#	1
34) Chrysene	5.847	228	869	2.142	ng/ml	97
35) Bis(2-ethylhexyl)phtha...	5.877	149	585	15.306	ng/ml	97
37) Benzo[b]fluoranthene	6.481	252	927	2.293	ng/ml	98
38) Benzo[k]fluoranthene	6.500	252	984M6	2.635	ng/ml	
39) Benzo[a]pyrene	6.717	252	803	2.243	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	7.709	276	786	2.172	ng/ml#	83
41) Dibenzo[a,h]anthracene	7.738	278	709	2.199	ng/ml	100
42) Benzo[g,h,i]perylene	7.975	276	804	2.259	ng/ml	99

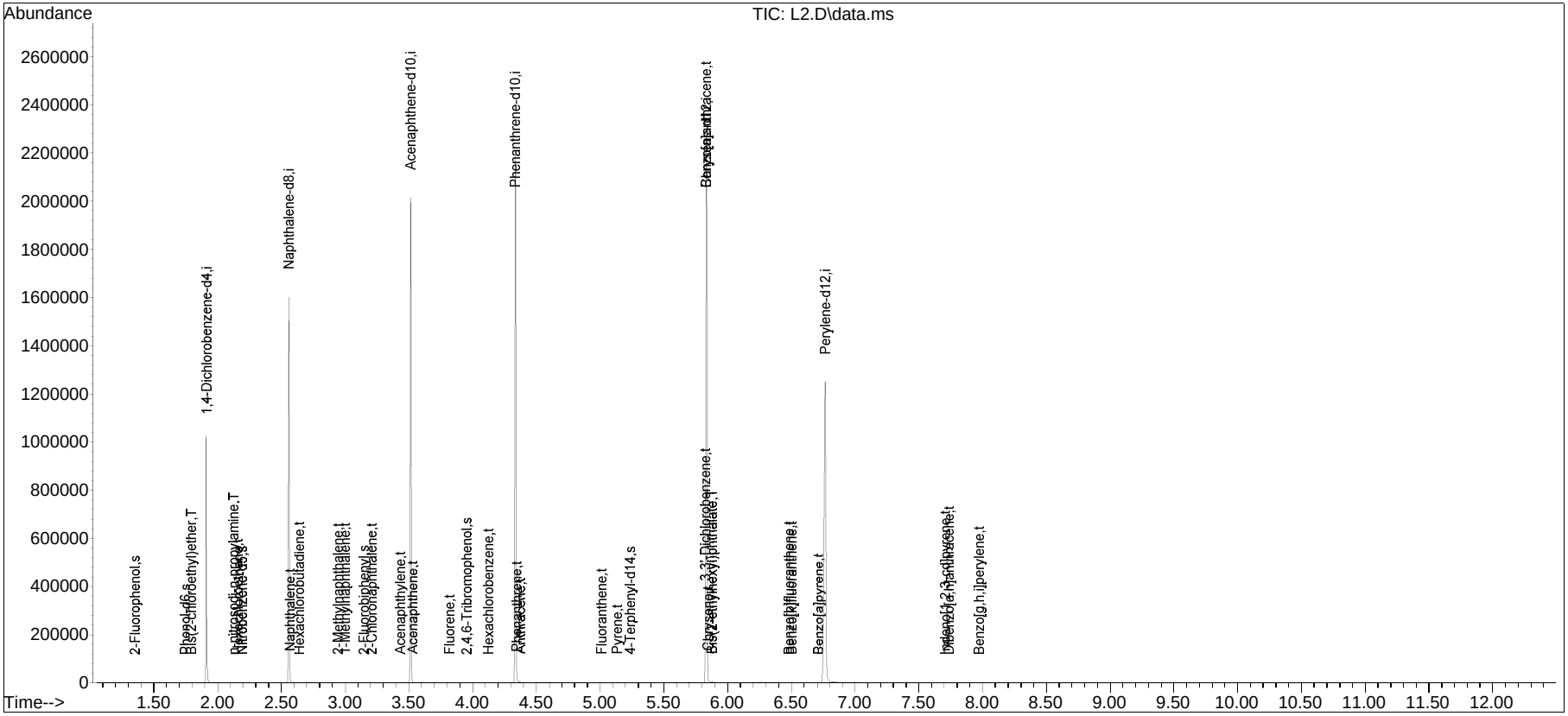
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L2.D
Acq On : 21 Jun 2024 05:01 pm
Operator : sv119:dv
Sample : IL2,32,, #10758 2 ng/ml
Misc : WG1939716,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 18:50:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:12 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

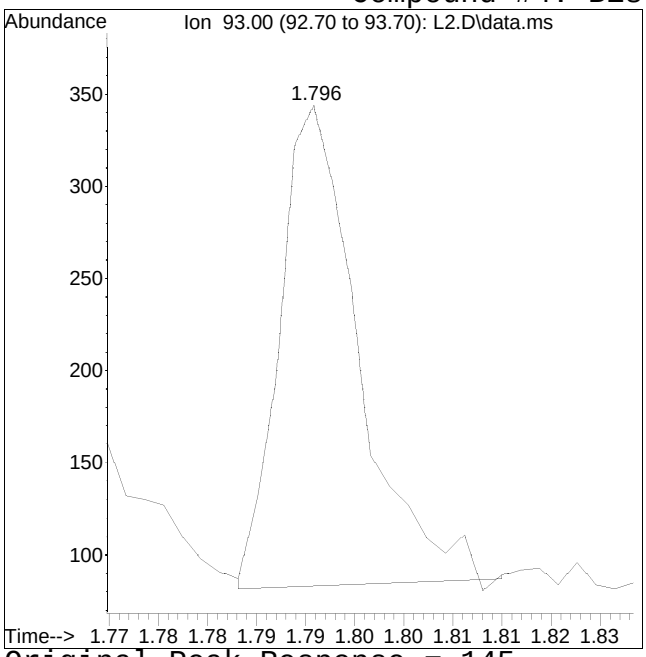


Manual Integration Report

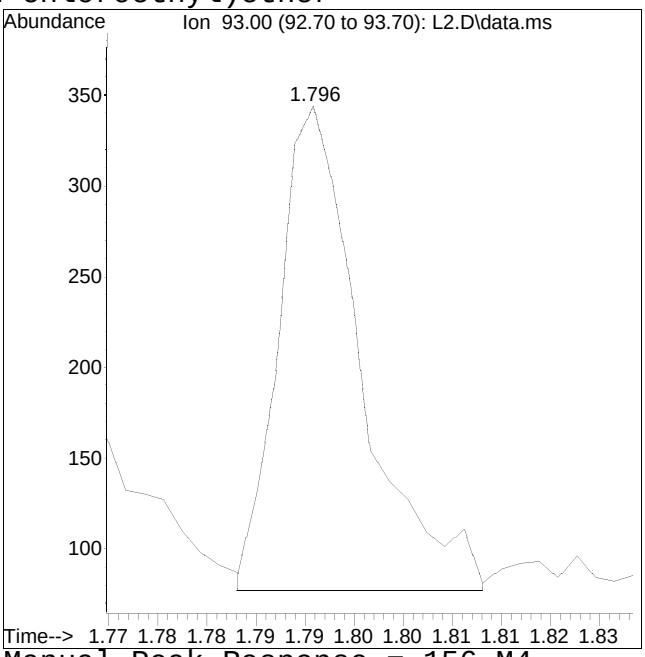
Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml

Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 145



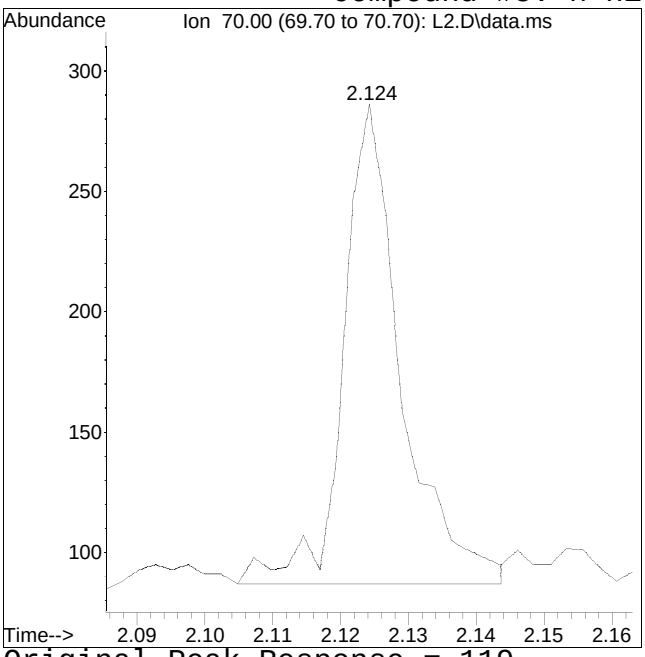
Manual Peak Response = 156 M4

M4 = Poor automated baseline construction.

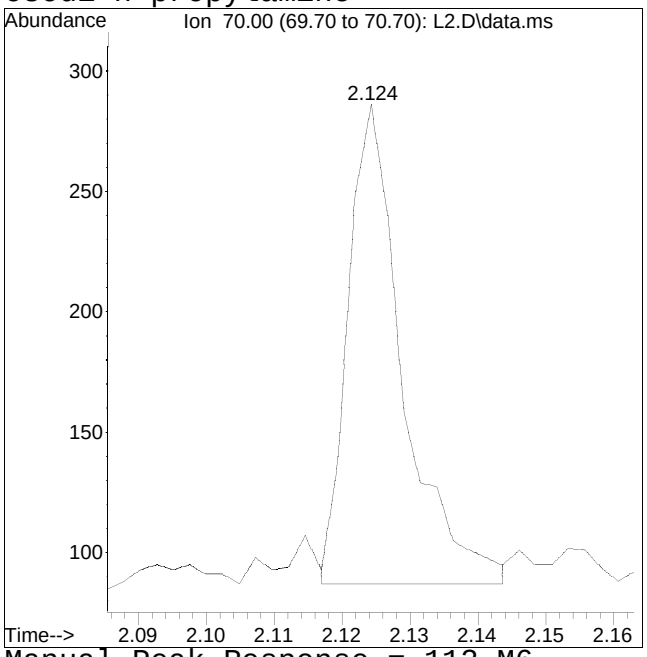
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 119



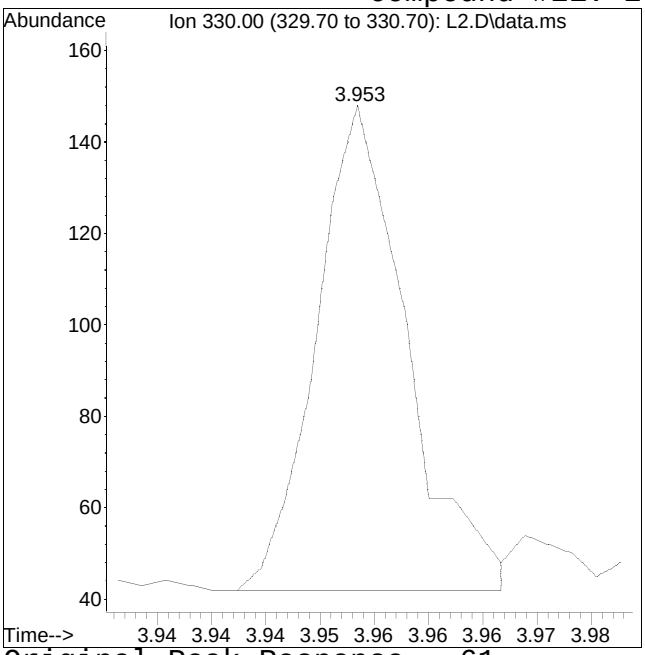
Manual Peak Response = 112 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

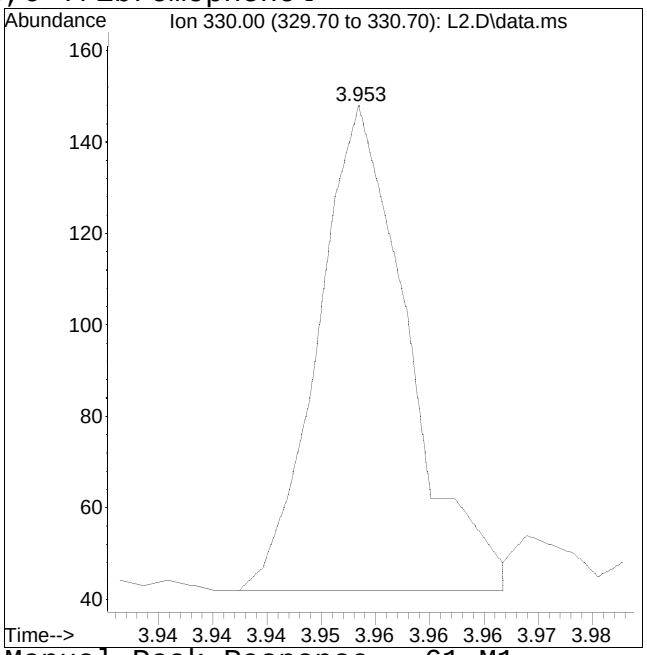
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #21: 2,4,6-Tribromophenol



Original Peak Response = 61



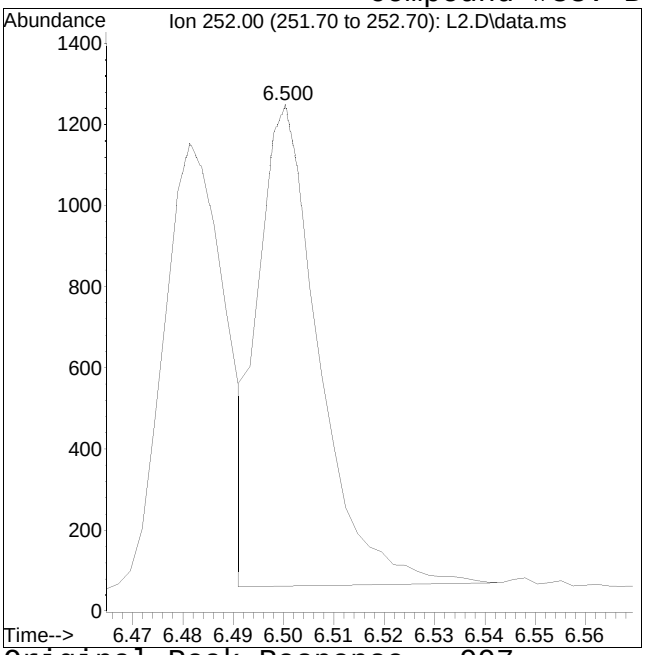
Manual Peak Response = 61 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

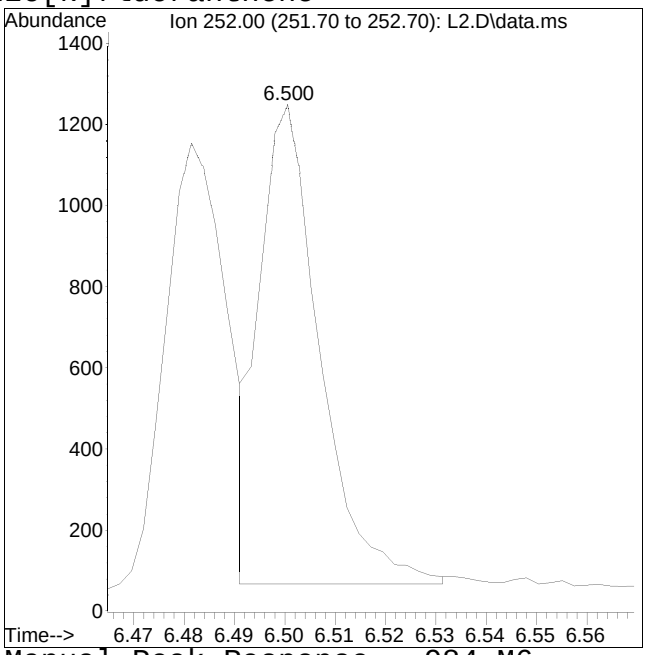
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L2.D
Date Inj'd : 6/21/2024 5:01 pm
Sample : IL2,32,, #10758 2 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 7/17/2024 6:52 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 997



Manual Peak Response = 984 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.914	152	203550	4000.000	ng/ml	0.00
Standard Area 1 = 186265			Recovery	= 109.28%		
8) Naphthalene-d8	2.558	136	709280	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery	= 102.54%		
17) Acenaphthene-d10	3.513	164	430918	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery	= 101.63%		
22) Phenanthrene-d10	4.335	188	1016193	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery	= 98.89%		
31) Chrysene-d12	5.832	240	1075525	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery	= 111.34%		
36) Perylene-d12	6.764	264	970030	4000.000	ng/ml	-0.02
Standard Area 1 = 979854			Recovery	= 99.00%		
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
7) Nitrobenzene-d5	0.000	82	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.00%#		
13) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.00%#		
21) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#		
30) 4-Terphenyl-d14	5.238	244	413	1.470	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.07%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.569	128	204M6	1.039	ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	2.944	142	139	0.945	ng/ml	86
12) 1-Methylnaphthalene	2.998	142	151	1.062	ng/ml	99
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.434	152	268	1.058	ng/ml	94
18) Acenaphthene	3.530	153	175	1.163	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.		
20) Fluorene	3.817	166	218	1.100	ng/ml	89
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.348	178	363	1.229	ng/ml	93
27) Anthracene	4.376	178	352	1.153	ng/ml#	89
28) Fluoranthene	5.011	202	544	1.341	ng/ml	97
29) Pyrene	5.134	202	575	1.368	ng/ml	98
32) Benzo[a]anthracene	5.831	228	3582	0.772	ng/ml#	70
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	5.844	228	460	1.149	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	5.875	149	341	14.504	ng/ml#	90
37) Benzo[b]fluoranthene	6.479	252	479	1.192	ng/ml	93
38) Benzo[k]fluoranthene	6.496	252	547M6	1.474	ng/ml	
39) Benzo[a]pyrene	6.712	252	428	1.203	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	7.707	276	445	1.237	ng/ml	100
41) Dibenzo[a,h]anthracene	7.733	278	377	1.177	ng/ml	93
42) Benzo[g,h,i]perylene	7.973	276	439	1.241	ng/ml	94

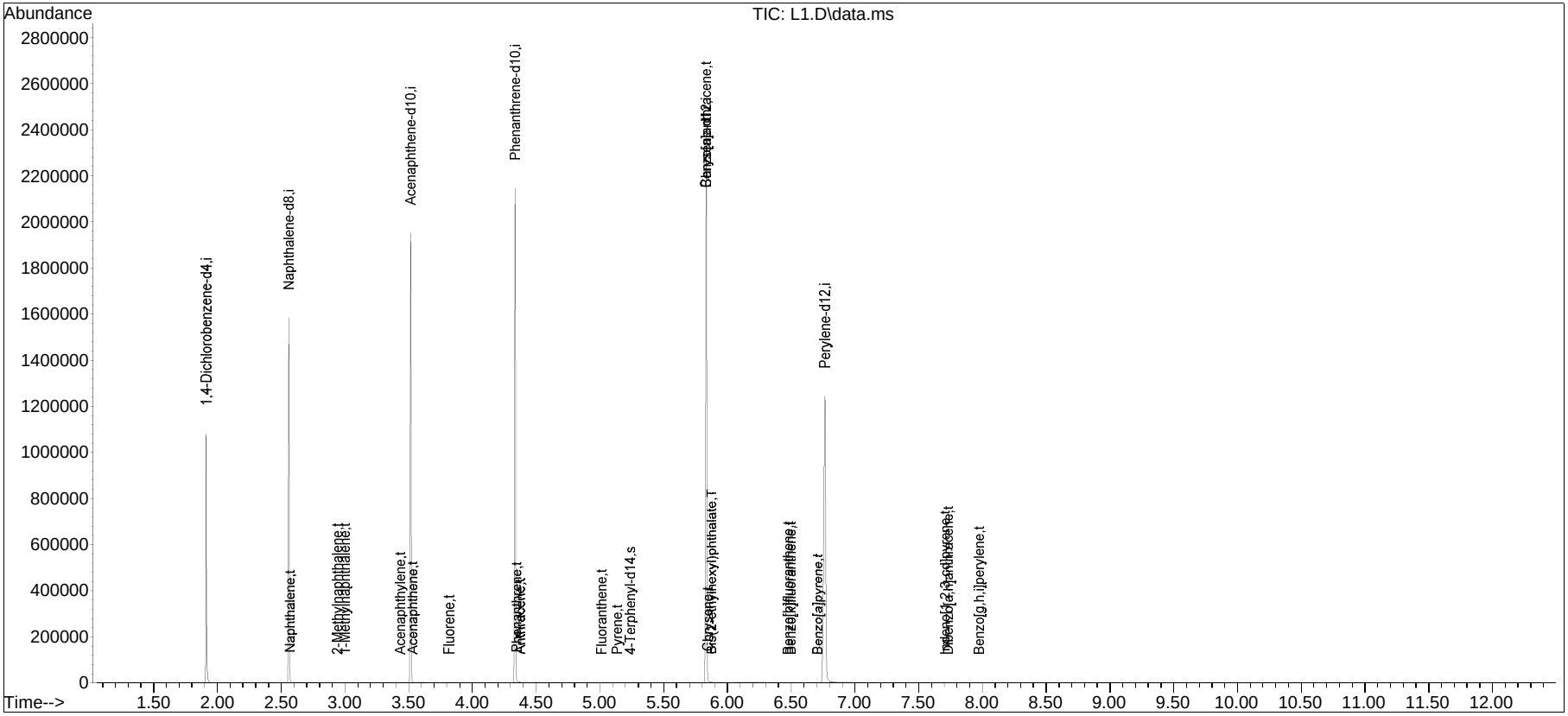
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : L1.D
Acq On : 21 Jun 2024 05:17 pm
Operator : sv119:dv
Sample : IL1,32,, #10759 1 ng/ml
Misc : WG1939716,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 26 12:35:54 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:34:45 2024
Response via : Initial Calibration

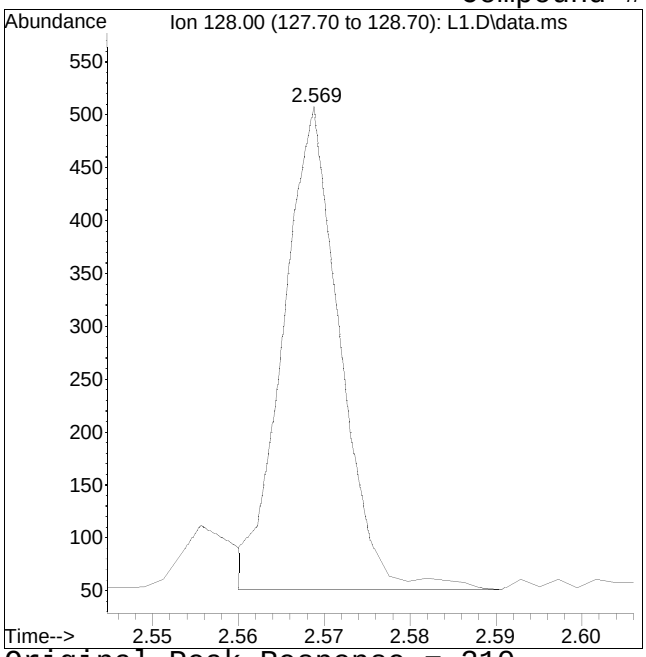
Sub List : Default - All compounds listedical\L8.D•



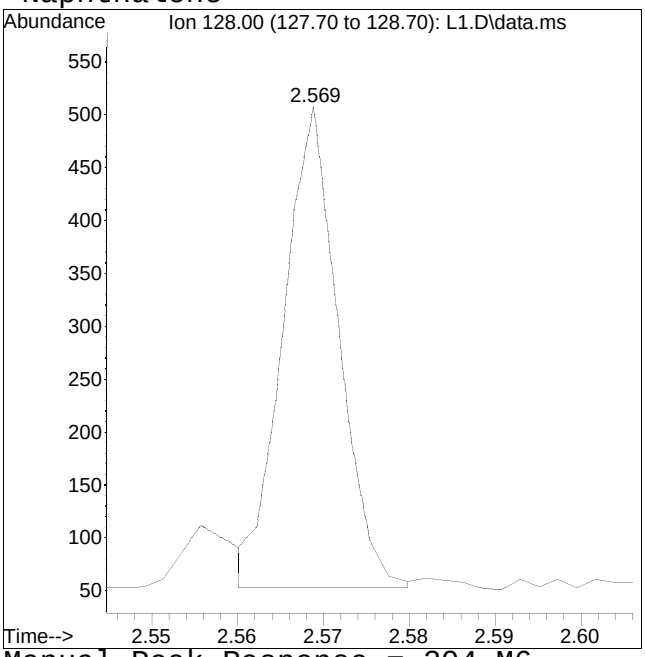
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L1.D
Date Inj'd : 6/21/2024 5:17 pm
Sample : IL1,32,, #10759 1 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #9: Naphthalene



Original Peak Response = 210



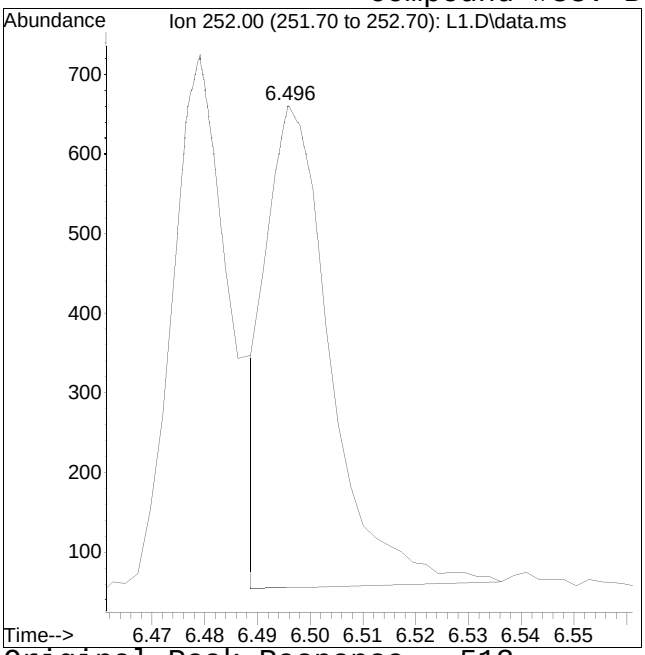
Manual Peak Response = 204 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

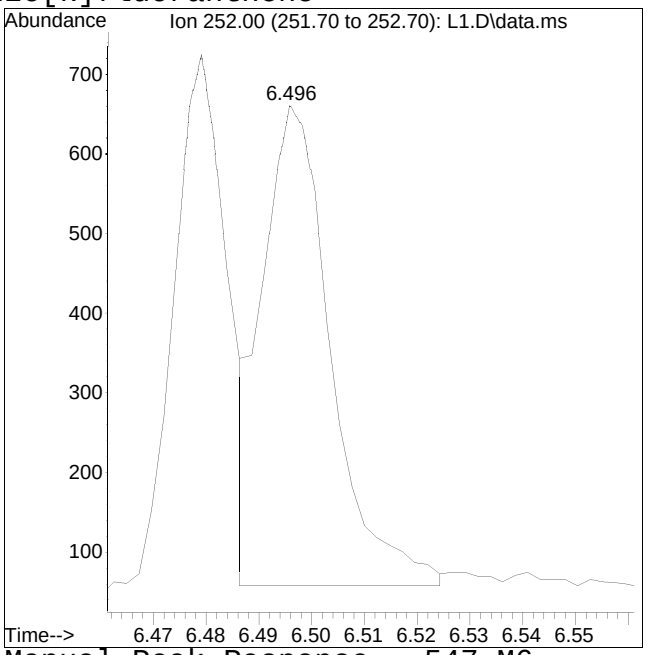
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : L1.D
Date Inj'd : 6/21/2024 5:17 pm
Sample : IL1,32,, #10759 1 ng/ml
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:34 pm

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 513



Manual Peak Response = 547 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.01
2	s	2-Fluorophenol	1.411	1.274	9.7	98	0.01
3	s	Phenol-d6	1.780	1.667	6.3	98	0.01
4	T	Bis(2-chloroethyl)ether	1.430	1.327	7.2	101	0.01
5	T	n-nitrosodi-n-propylamine	1.088	1.062	2.4	100	0.00
6	t	Hexachloroethane	0.664	0.603	9.2	101	0.00
7	s	Nitrobenzene-d5	1.561	1.498	4.0	100	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	108	0.00
9	t	Naphthalene	1.104	1.006	8.9	100	0.00
10	t	Hexachlorobutadiene	0.248	0.232	6.5	105	0.00
11	t	2-Methylnaphthalene	0.830	0.811	2.3	103	0.00
12	t	1-Methylnaphthalene	0.802	0.725	9.6	101	0.00
13	s	2-Fluorobiphenyl	1.034	0.925	10.5	102	0.00
14	t	2-Chloronaphthalene	0.894	0.822	8.1	101	0.00
15	t	2,6-Dinitrotoluene	0.241	0.237	1.7	99	0.00
16	t	Acenaphthylene	1.429	1.296	9.3	99	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
18	t	Acenaphthene	1.396	1.315	5.8	103	0.00
19	t	2,4-Dinitrotoluene	0.535	0.535	0.0	98	0.00
20	t	Fluorene	1.840	1.661	9.7	101	0.00
21	s	2,4,6-Tribromophenol	0.279	0.279	0.0	98	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	107	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	880.620	11.9	95	0.00
24	t	Hexachlorobenzene	0.275	0.245	10.9	101	0.00
25	t	Pentachlorophenol	*1000.000	953.975	4.6	98	0.00
26	t	Phenanthrene	1.163	1.032	11.3	99	0.00
27	t	Anthracene	1.201	1.124	6.4	100	0.00
28	t	Fluoranthene	1.597	1.383	13.4	99	0.00
29	t	Pyrene	1.655	1.405	15.1	99	0.00
30	s	4-Terphenyl-d14	1.106	0.952	13.9	100	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	108	0.00
32	t	Benzo[a]anthracene	*1000.000	951.603	4.8	96	0.00
33	t	3,3'-Dichlorobenzene	0.611	0.580	5.1	95	0.00
34	t	Chrysene	1.489	1.363	8.5	97	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	913.160	8.7	97	-0.01

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	106	-0.02
37	t	Benzo[b]fluoranthene	1.657	1.506	9.1	99	-0.01
38	t	Benzo[k]fluoranthene	1.531	1.293	15.5	98	-0.02
39	t	Benzo[a]pyrene	1.467	1.323	9.8	97	-0.02
40	t	Indeno[1,2,3-cd]pyrene	1.483	1.316	11.3	94	-0.02
41	t	Dibenzo[a,h]anthracene	1.321	1.137	13.9	93	-0.02
42	t	Benzo[g,h,i]perylene	1.459	1.242	14.9	94	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	1.915	152	202001	4000.000	ng/ml	0.01
Standard Area 1 = 186265			Recovery = 108.45%			
8) Naphthalene-d8	2.557	136	747112	4000.000	ng/ml	0.00
Standard Area 1 = 691724			Recovery = 108.01%			
17) Acenaphthene-d10	3.515	164	463193	4000.000	ng/ml	0.00
Standard Area 1 = 424015			Recovery = 109.24%			
22) Phenanthrene-d10	4.337	188	1102241	4000.000	ng/ml	0.00
Standard Area 1 = 1027588			Recovery = 107.26%			
31) Chrysene-d12	5.835	240	1041875	4000.000	ng/ml	0.00
Standard Area 1 = 965951			Recovery = 107.86%			
36) Perylene-d12	6.764	264	1037753	4000.000	ng/ml	-0.02
Standard Area 1 = 979854			Recovery = 105.91%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.349	112	64359	903.199	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.16%			
3) Phenol-d6	1.746	99	84165	936.493	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.82%			
7) Nitrobenzene-d5	2.190	82	75641	959.502	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.95%			
13) 2-Fluorobiphenyl	3.150	172	172844	894.880	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.49%			
21) 2,4,6-Tribromophenol	3.951	330	32251	997.217	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.86%			
30) 4-Terphenyl-d14	5.238	244	262424	861.230	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 43.06%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	1.792	93	66997	927.880	ng/ml	99
5) n-nitrosodi-n-propylamine	2.117	70	53622	975.530	ng/ml	100
6) Hexachloroethane	2.161	117	30445	908.425	ng/ml	99
9) Naphthalene	2.568	128	187929	911.101	ng/ml	100
10) Hexachlorobutadiene	2.643	225	43320	935.654	ng/ml	100
11) 2-Methylnaphthalene	2.944	142	151466	977.108	ng/ml	100
12) 1-Methylnaphthalene	2.996	142	135334	903.201	ng/ml	100
14) 2-Chloronaphthalene	3.207	162	153464	918.886	ng/ml	100
15) 2,6-Dinitrotoluene	3.410	165	44232	983.548	ng/ml	100
16) Acenaphthylene	3.434	152	241981	906.891	ng/ml	100
18) Acenaphthene	3.532	153	152236	941.580	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\240621RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.633	165	61973	1000.907	ng/ml	99
20) Fluorene	3.817	166	192295	902.360	ng/ml	100
23) 4,6-Dinitro-o-cresol	3.859	198	39842	880.620	ng/ml	99
24) Hexachlorobenzene	4.129	284	67436	891.030	ng/ml	100
25) Pentachlorophenol	4.241	266	44915	953.975	ng/ml	99
26) Phenanthrene	4.349	178	284491	887.815	ng/ml	100
27) Anthracene	4.376	178	309800	935.732	ng/ml	100
28) Fluoranthene	5.009	202	381208	866.385	ng/ml	100
29) Pyrene	5.134	202	387138	849.084	ng/ml	100
32) Benzo[a]anthracene	5.826	228	375288	951.603	ng/ml	100
33) 3,3'-Dichlorobenzene	5.822	252	151190	950.099	ng/ml	100
34) Chrysene	5.848	228	354927	915.312	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	5.875	149	256817	913.160	ng/ml	100
37) Benzo[b]fluoranthene	6.479	252	390762	909.142	ng/ml	100
38) Benzo[k]fluoranthene	6.496	252	335346	844.528	ng/ml	100
39) Benzo[a]pyrene	6.710	252	343357	901.971	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	7.702	276	341330	886.987	ng/ml	100
41) Dibenzo[a,h]anthracene	7.731	278	295075M6	860.795	ng/ml	
42) Benzo[g,h,i]perylene	7.971	276	322203	851.232	ng/ml	99

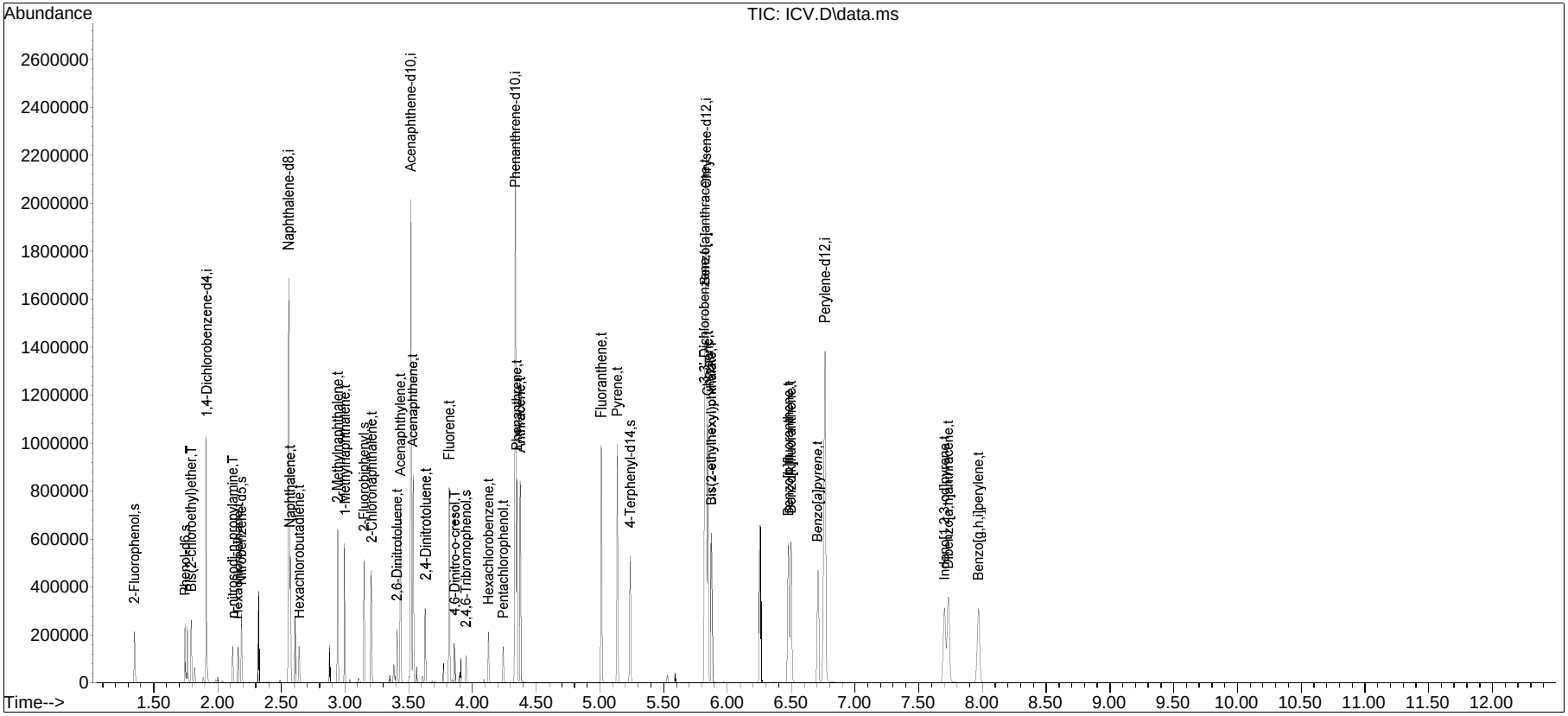
(#) = qualifier out of range (m) = manual integration (+) = signals summed

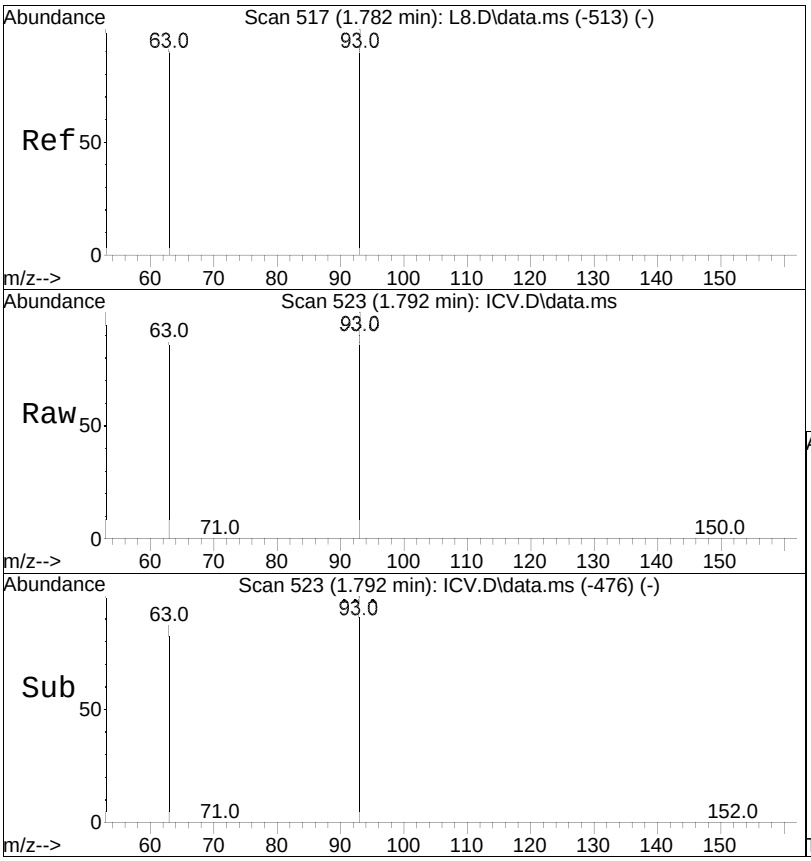
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240621RVTical\
Data File : ICV.D
Acq On : 21 Jun 2024 05:33 pm
Operator : sv119:dv
Sample : CQICV,32,, #10475 1000 ng/ml
Misc : WG1939716,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 26 12:47:43 2024
Quant Method : I:\8270SIM\sv119\240621RVTical\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 26 12:41:11 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

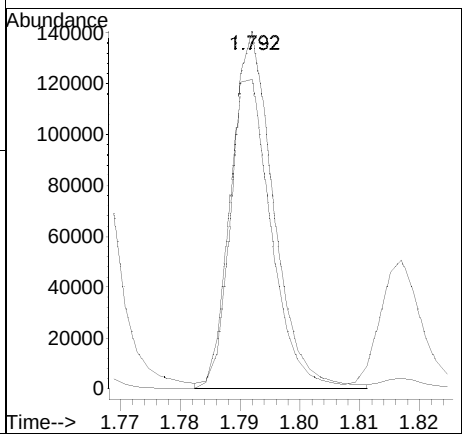


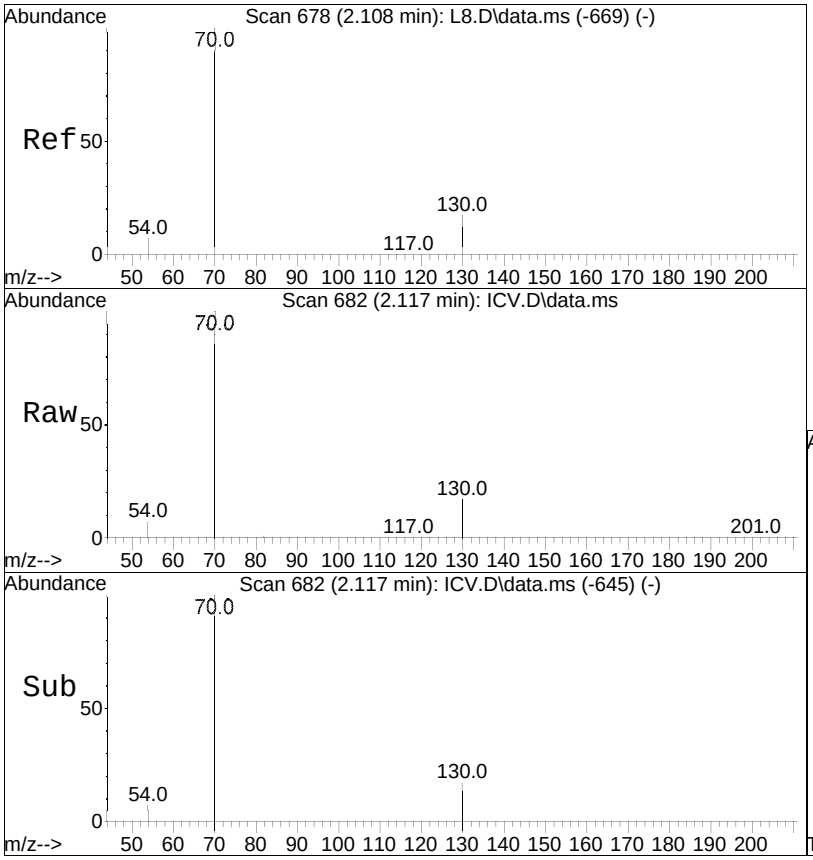


#4
Bis(2-chloroethyl)ether
Concen: 927.88 ng/ml
RT: 1.792 min Scan# 523
Delta R.T. 0.010 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion: 93 Resp: 66997

Ion	Ratio	Lower	Upper
93	100		
63	88.9	71.7	107.5

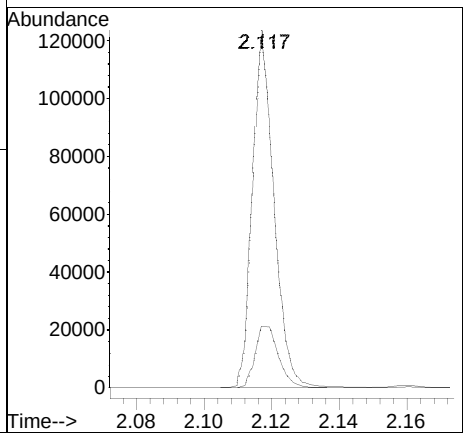


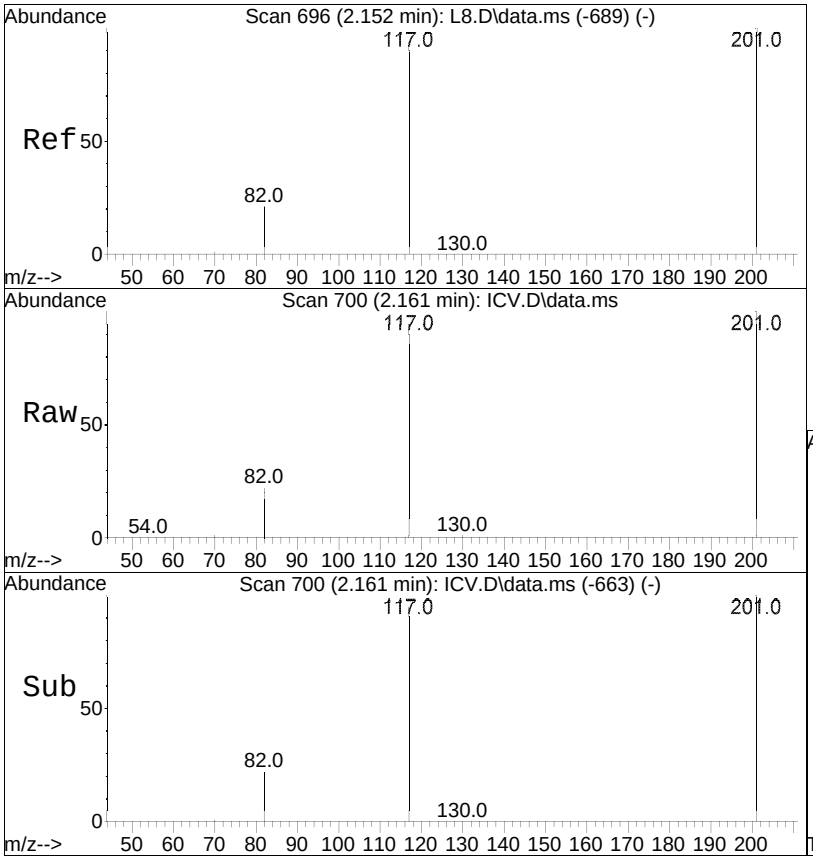


#5
n-nitrosodi-n-propylamine
Concen: 975.53 ng/ml
RT: 2.117 min Scan# 682
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion: 70 Resp: 53622

Ion	Ratio	Lower	Upper
70	100		
130	18.9	15.1	22.7

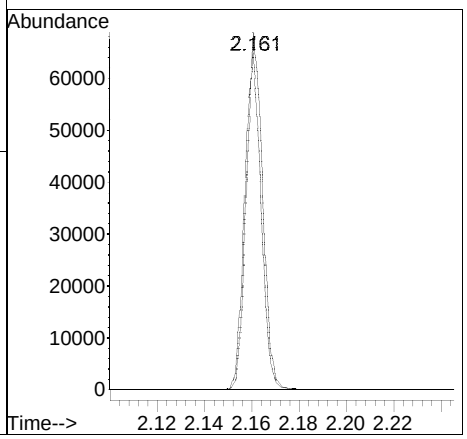


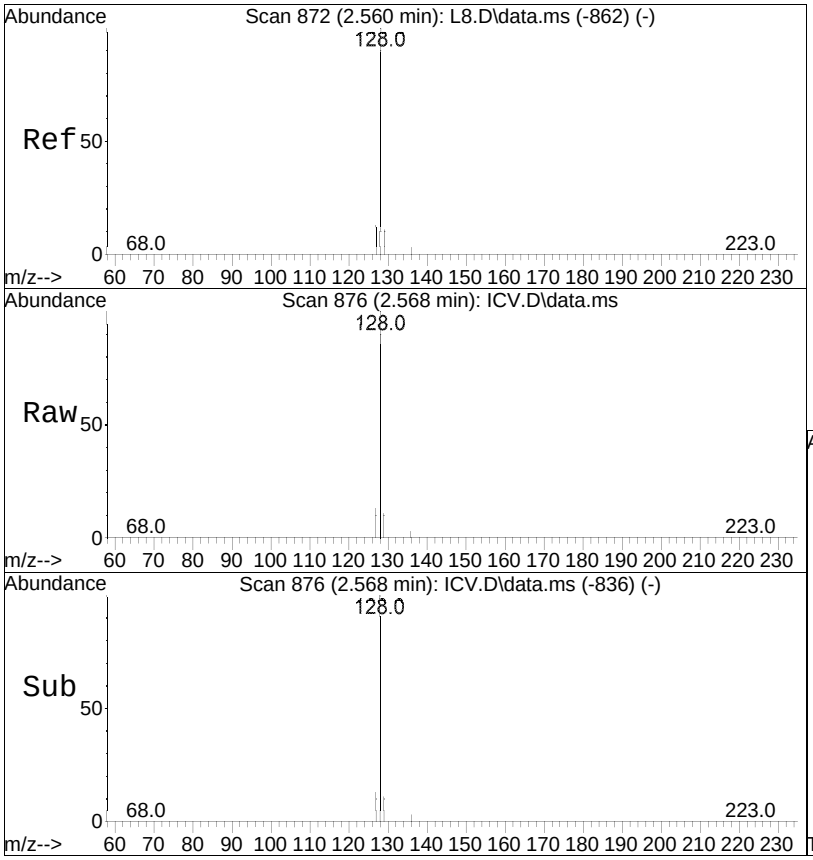


#6
Hexachloroethane
Concen: 908.42 ng/ml
RT: 2.161 min Scan# 700
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:117 Resp: 30445

Ion	Ratio	Lower	Upper
117	100		
201	105.1	83.0	124.6

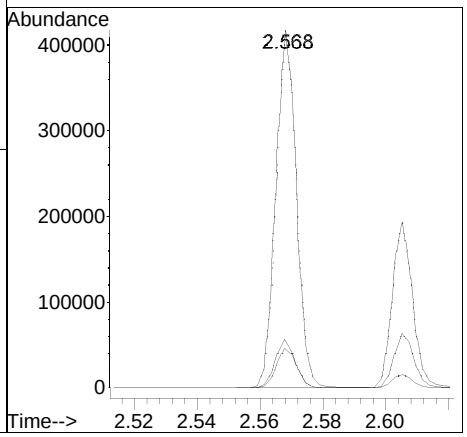


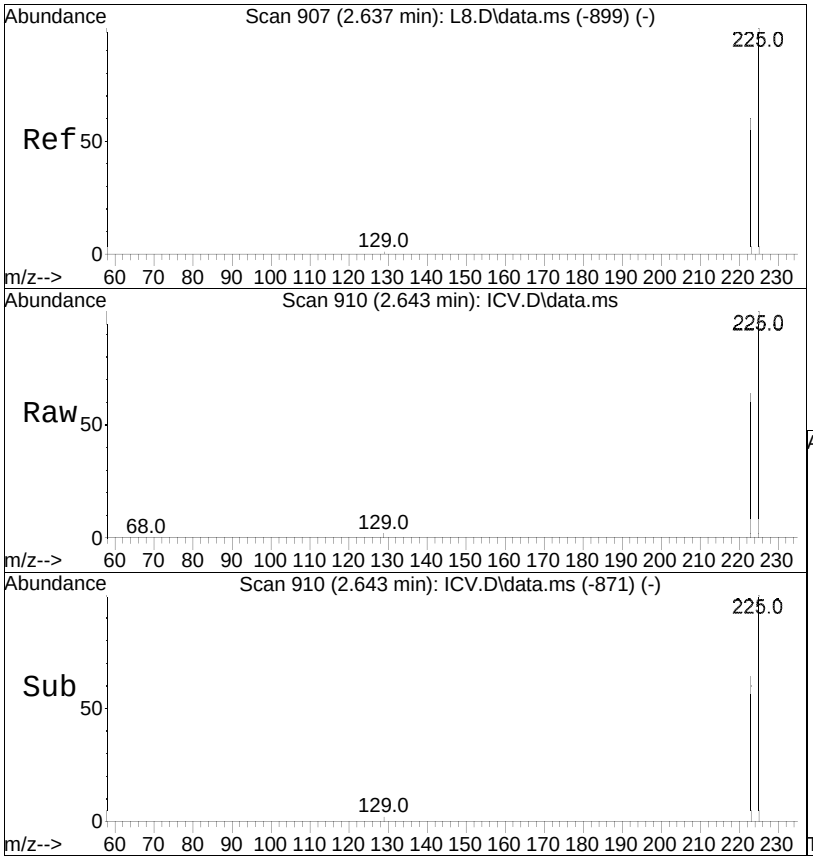


#9
Naphthalene
Concen: 911.10 ng/ml
RT: 2.568 min Scan# 876
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:128 Resp: 187929

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	15.8

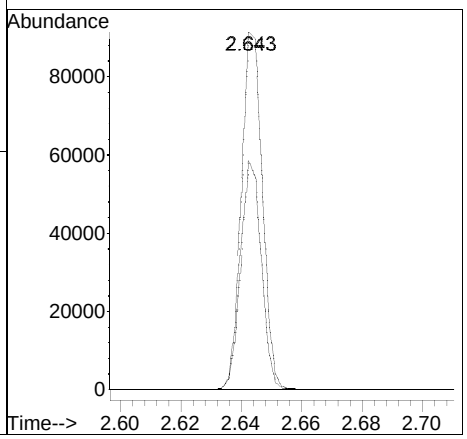


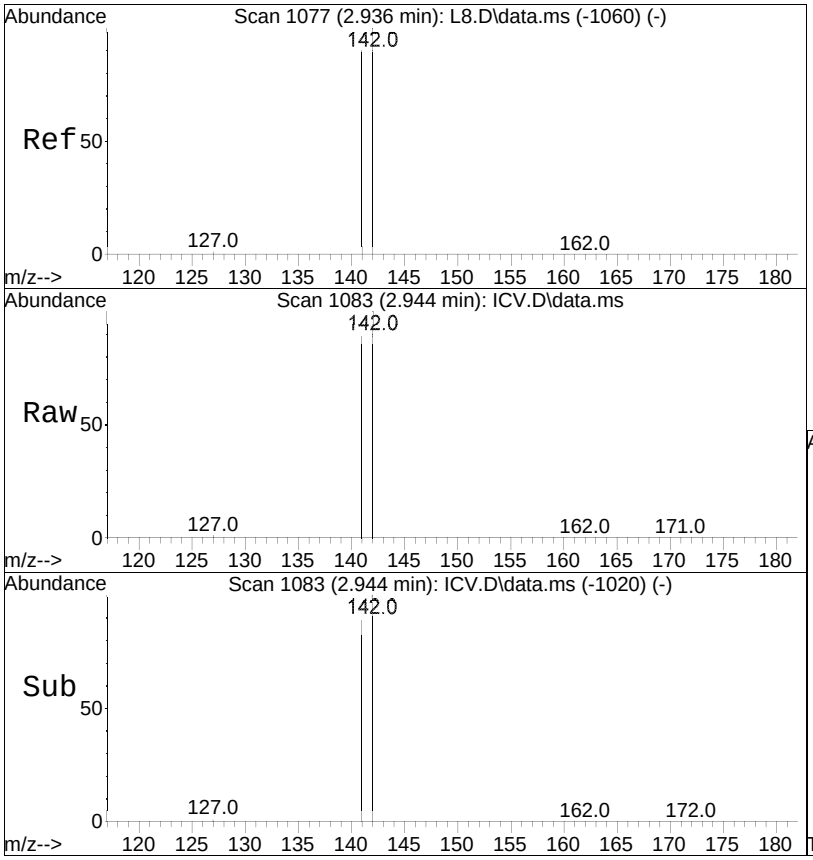


#10
Hexachlorobutadiene
Concen: 935.65 ng/ml
RT: 2.643 min Scan# 910
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:225 Resp: 43320

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

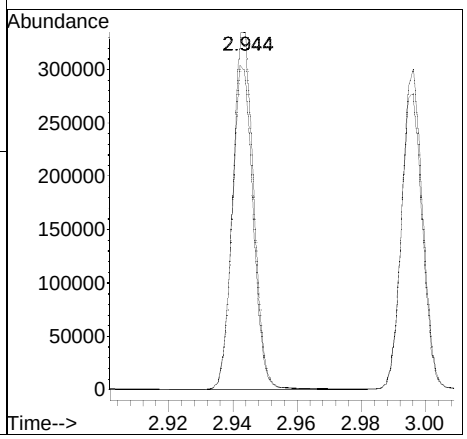


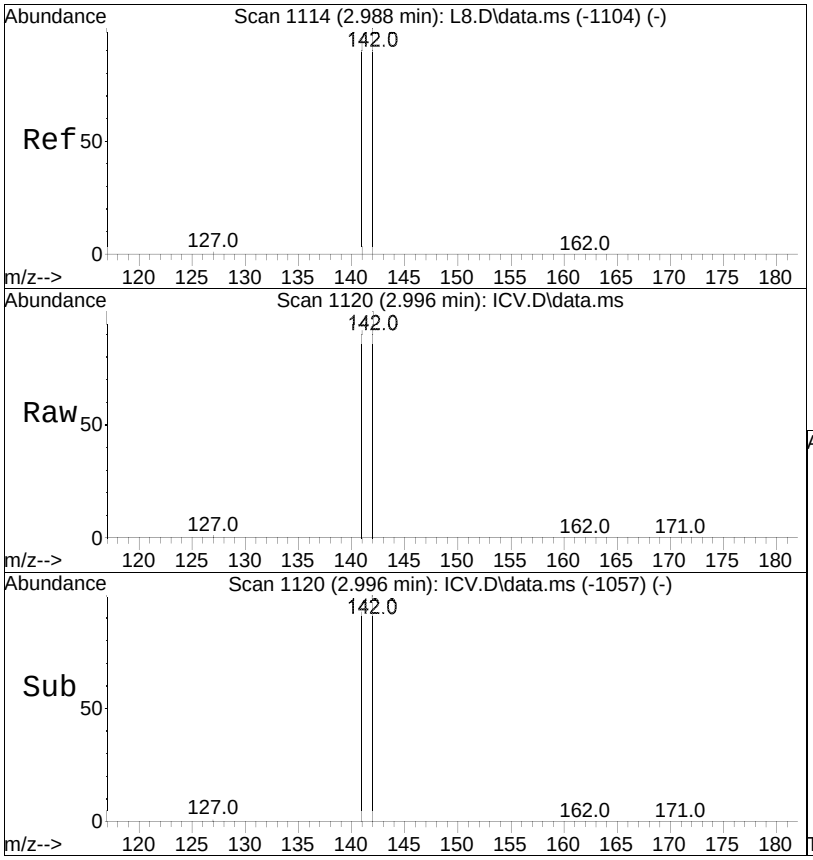


#11
2-Methylnaphthalene
Concen: 977.11 ng/ml
RT: 2.944 min Scan# 1083
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:142 Resp: 151466

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5

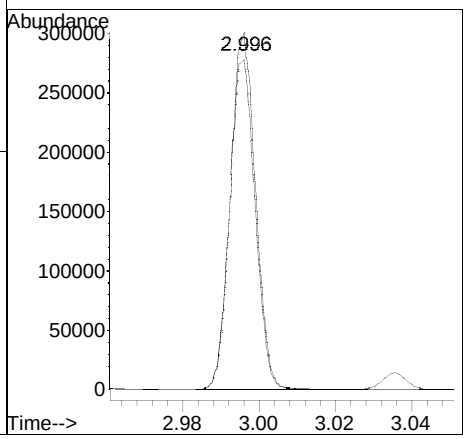


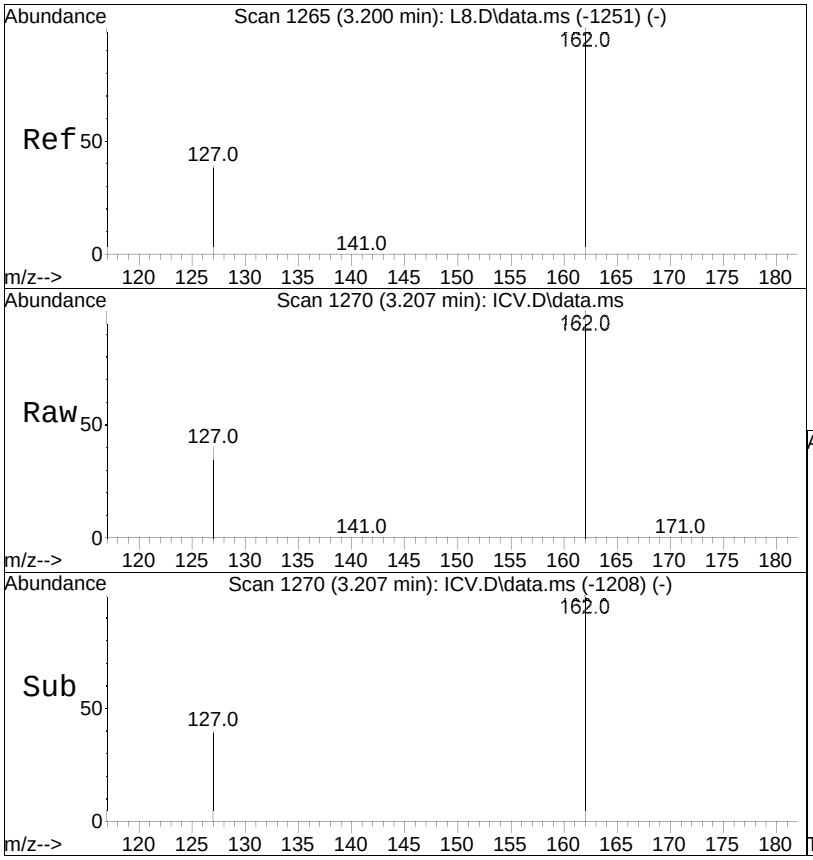


#12
1-Methylnaphthalene
Concen: 903.20 ng/ml
RT: 2.996 min Scan# 1120
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:142 Resp: 135334

Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.9	112.3

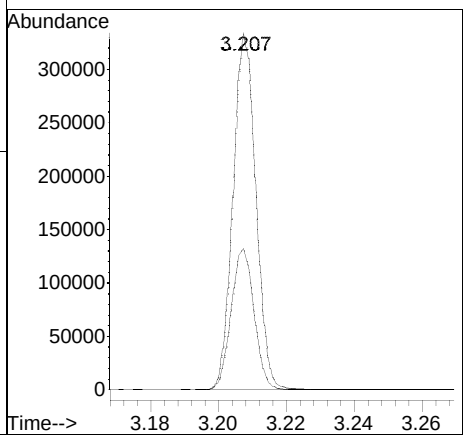


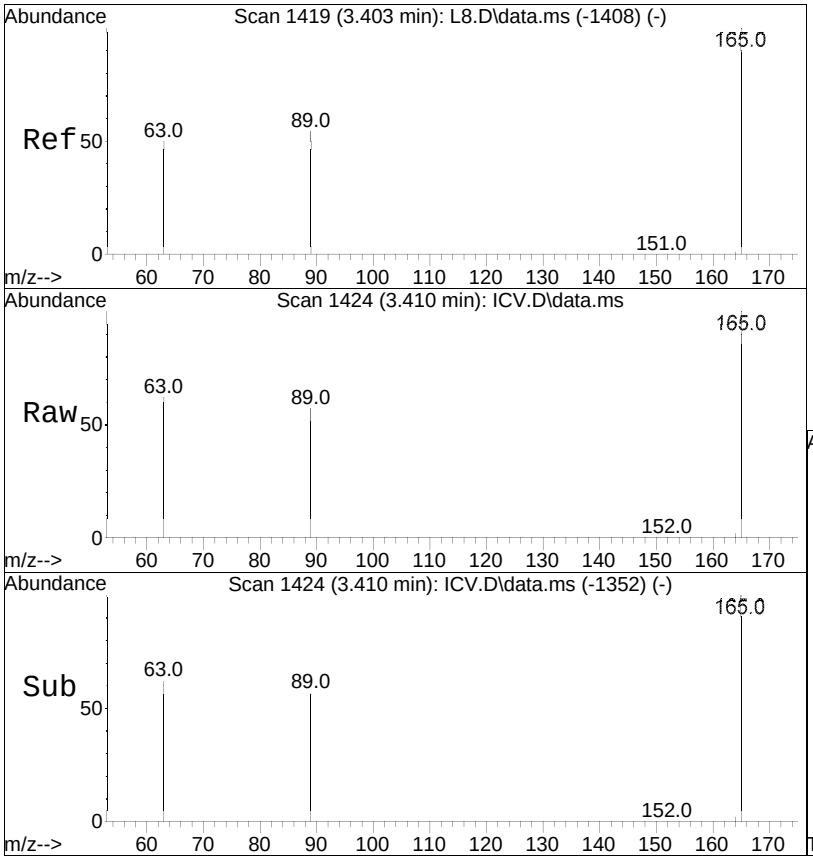


#14
2-Chloronaphthalene
Concen: 918.89 ng/ml
RT: 3.207 min Scan# 1270
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:162 Resp: 153464

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.0	48.0

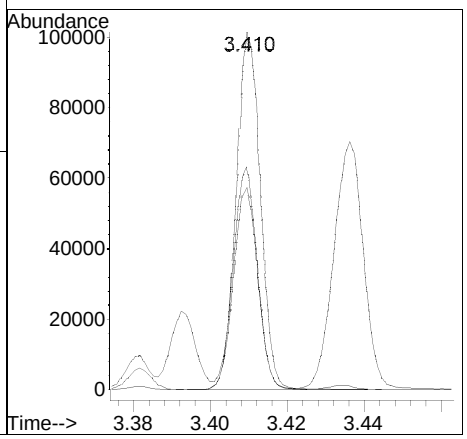


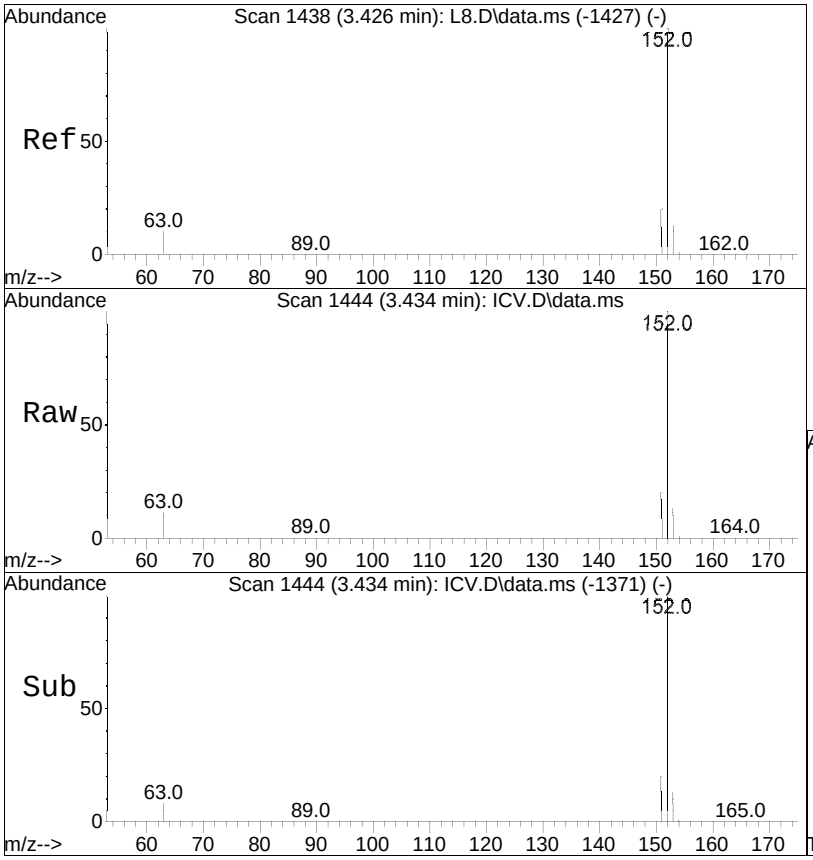


#15
2,6-Dinitrotoluene
Concen: 983.55 ng/ml
RT: 3.410 min Scan# 1424
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:165 Resp: 44232

Ion	Ratio	Lower	Upper
165	100		
89	57.0	45.7	68.5
63	61.6	49.8	74.6

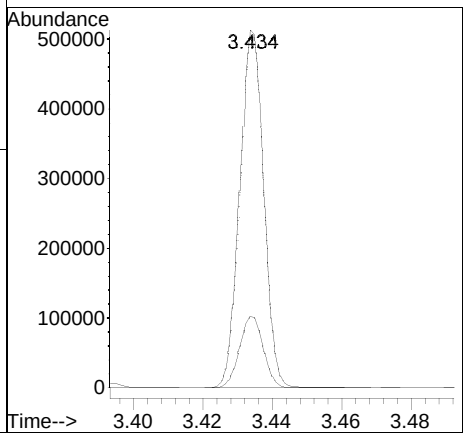


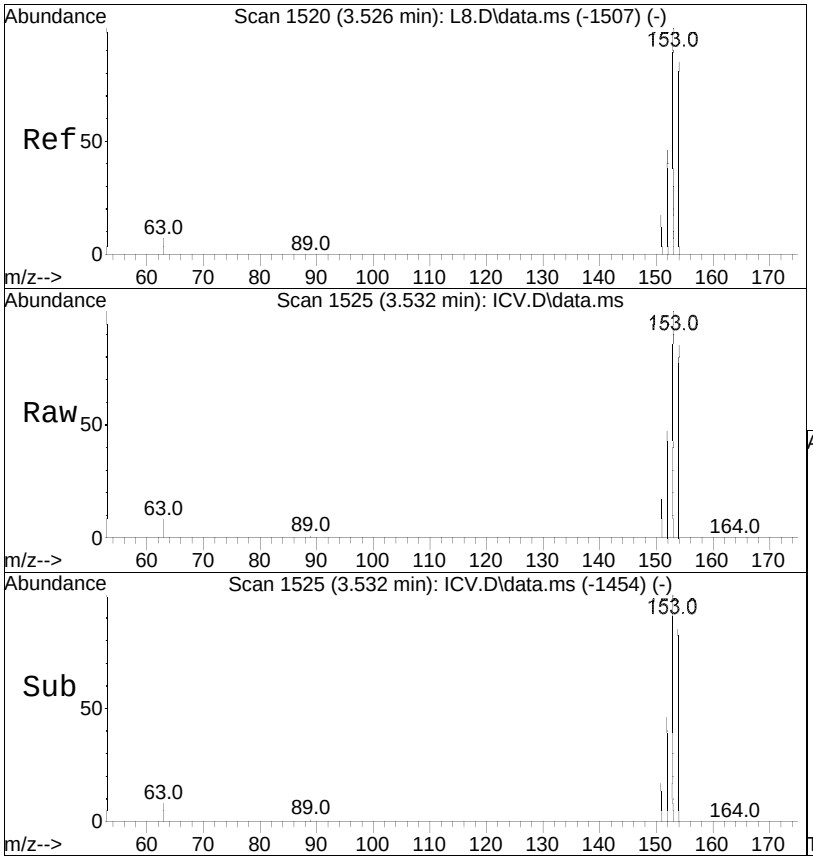


#16
Acenaphthylene
Concen: 906.89 ng/ml
RT: 3.434 min Scan# 1444
Delta R.T. 0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:152 Resp: 241981

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0

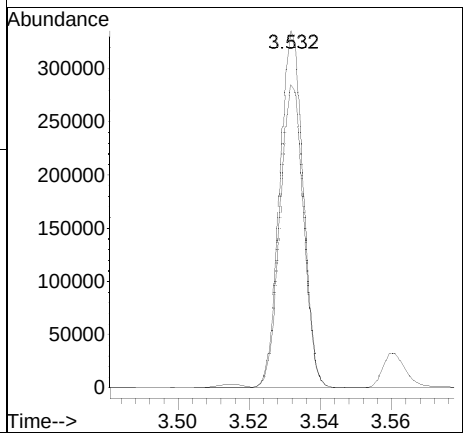


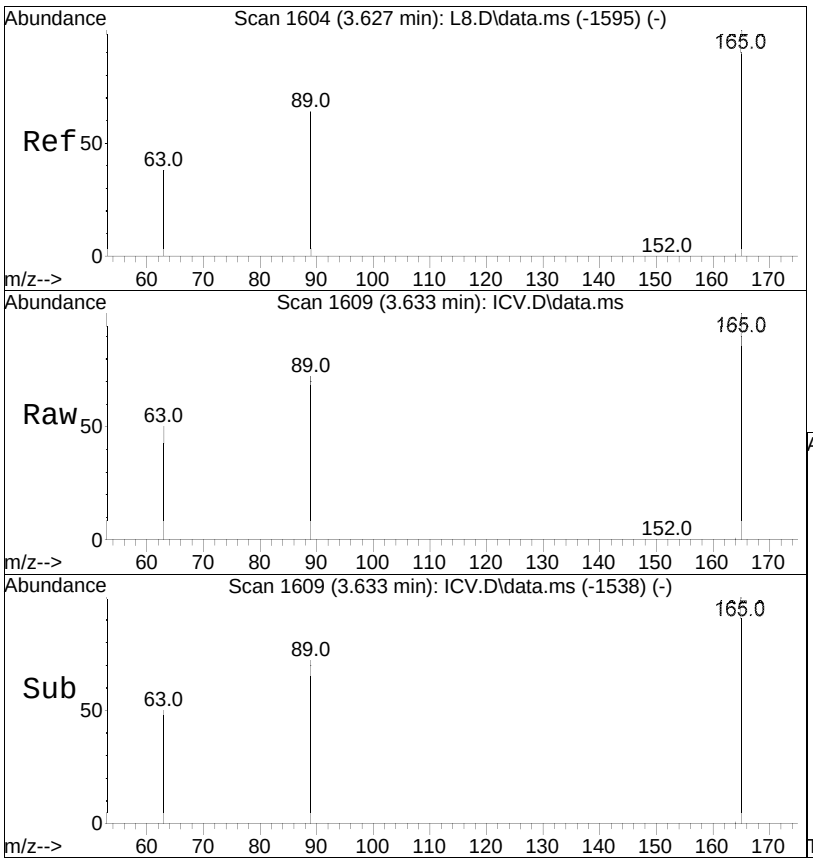


#18
Acenaphthene
Concen: 941.58 ng/ml
RT: 3.532 min Scan# 1525
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:153 Resp: 152236

Ion	Ratio	Lower	Upper
153	100		
154	85.1	68.1	102.1

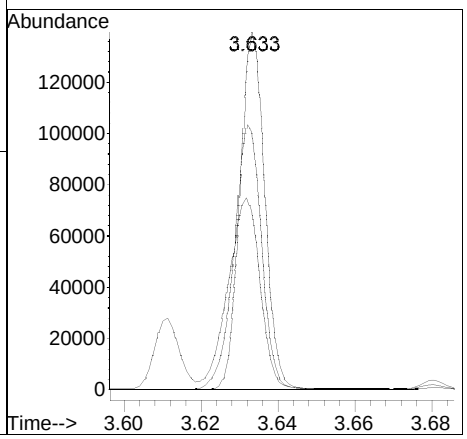


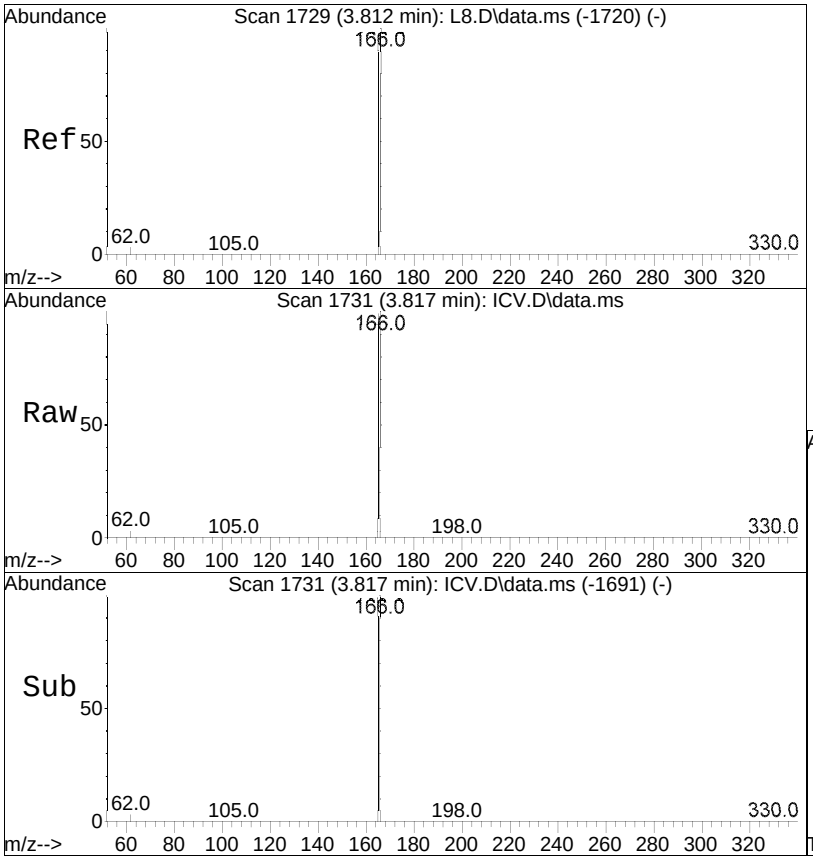


#19
2,4-Dinitrotoluene
Concen: 1000.91 ng/ml
RT: 3.633 min Scan# 1609
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:165 Resp: 61973

Ion	Ratio	Lower	Upper
165	100		
89	82.6	65.8	98.6
63	69.3	55.0	82.4

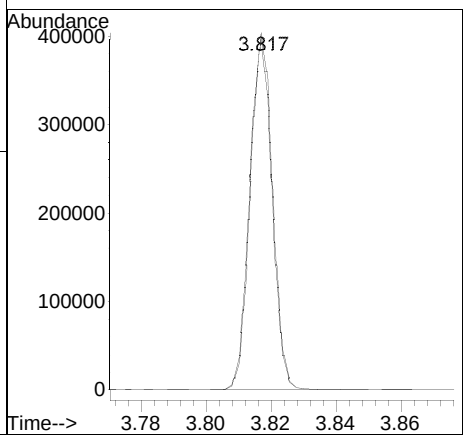


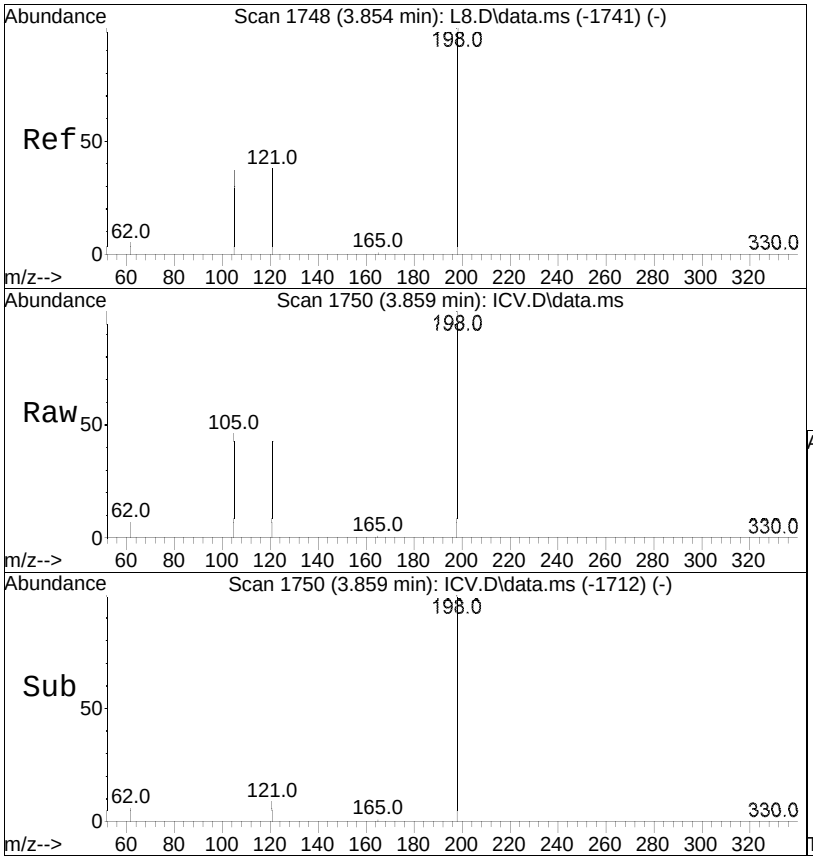


#20
Fluorene
Concen: 902.36 ng/ml
RT: 3.817 min Scan# 1731
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:166 Resp: 192295

Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.3	118.9

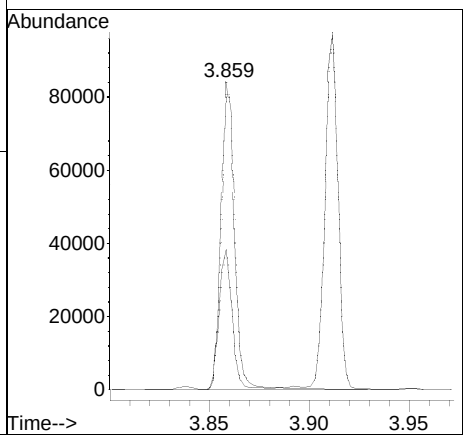


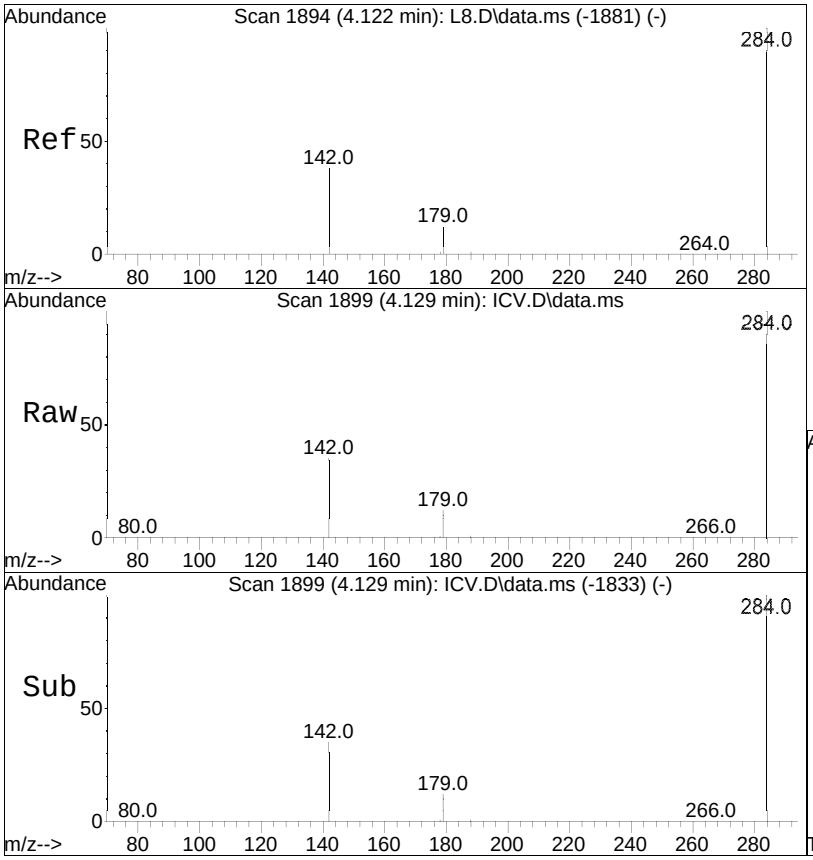


#23
4,6-Dinitro-o-cresol
Concen: 880.62 ng/ml
RT: 3.859 min Scan# 1750
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:198 Resp: 39842

Ion	Ratio	Lower	Upper
198	100		
105	43.8	35.6	53.4

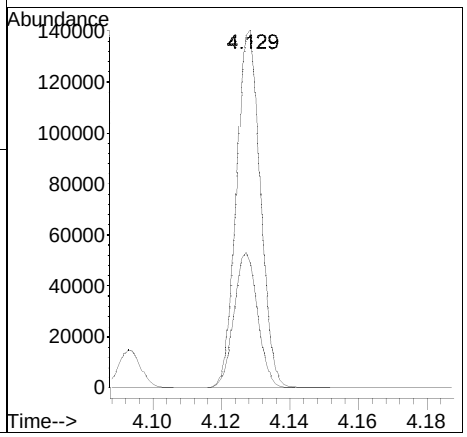


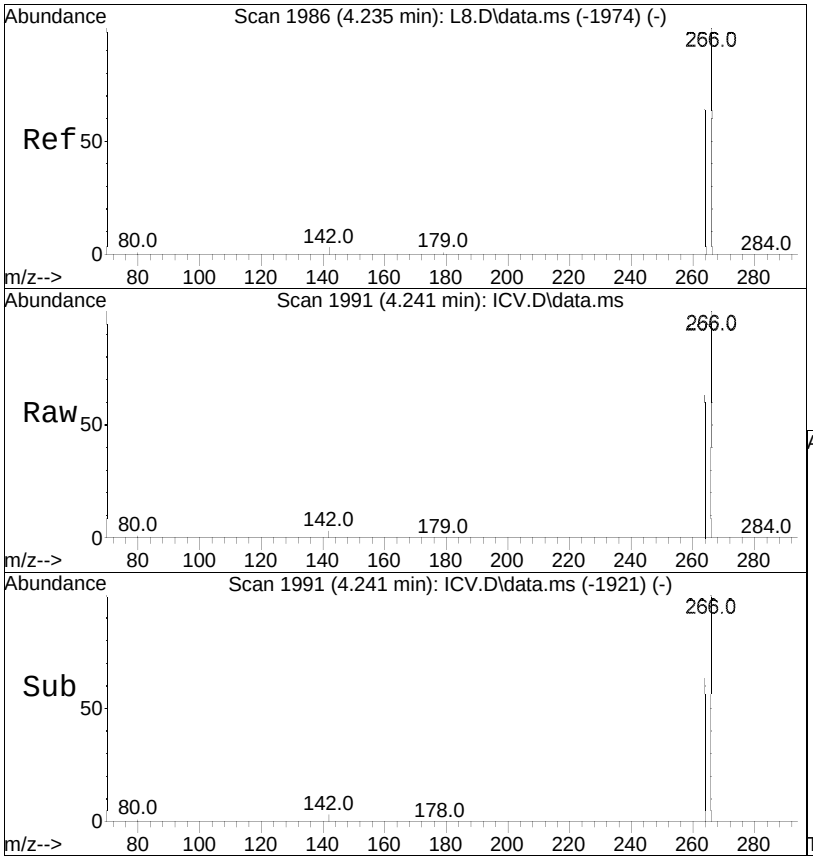


#24
Hexachlorobenzene
Concen: 891.03 ng/ml
RT: 4.129 min Scan# 1899
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:284 Resp: 67436

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.0	45.0

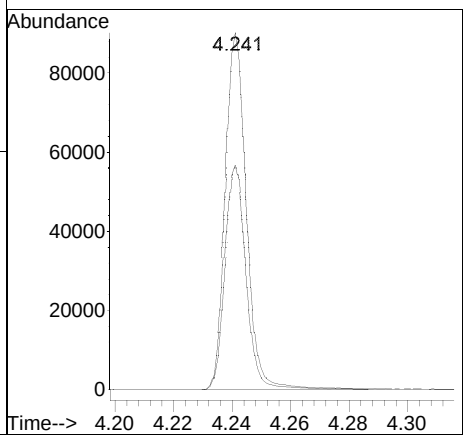


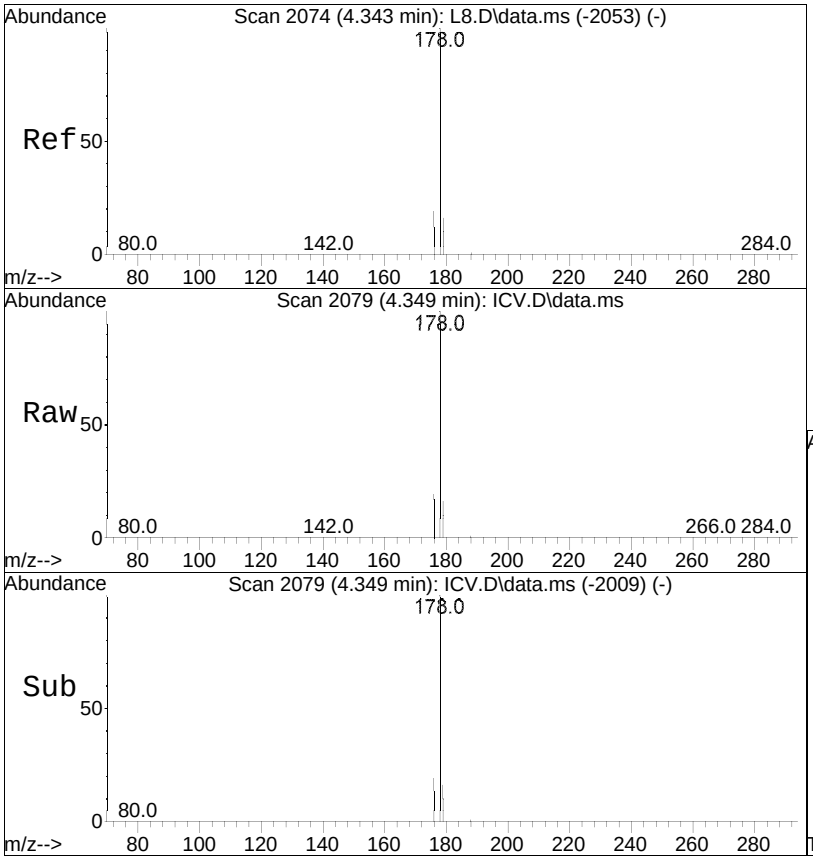


#25
Pentachlorophenol
Concen: 953.98 ng/ml
RT: 4.241 min Scan# 1991
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:266 Resp: 44915

Ion	Ratio	Lower	Upper
266	100		
264	63.0	49.9	74.9

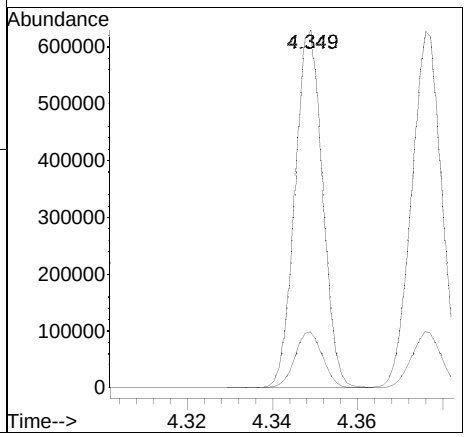


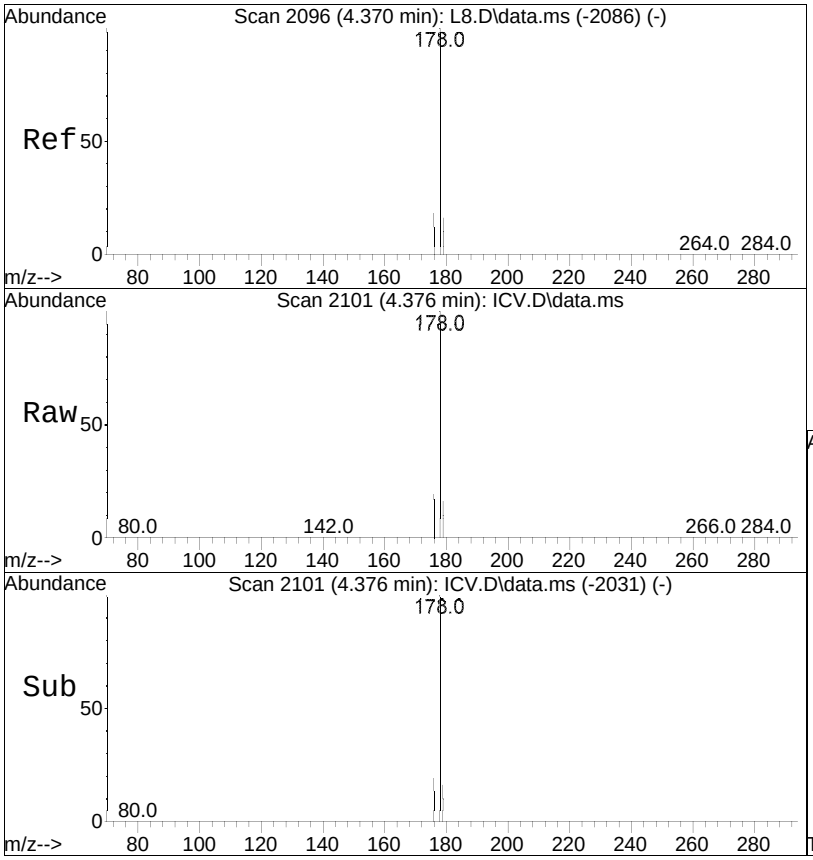


#26
Phenanthrene
Concen: 887.82 ng/ml
RT: 4.349 min Scan# 2079
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:178 Resp: 284491

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

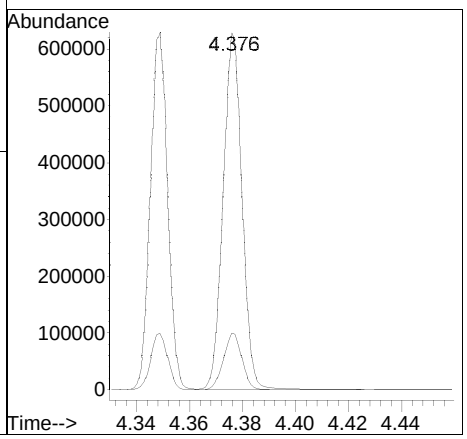


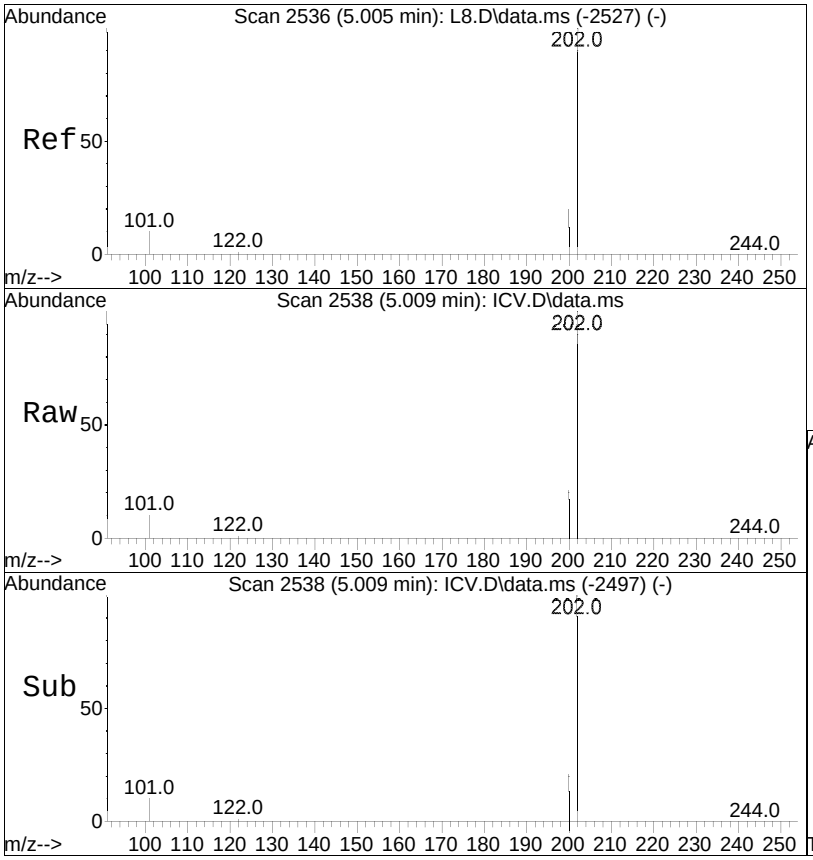


#27
Anthracene
Concen: 935.73 ng/ml
RT: 4.376 min Scan# 2101
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:178 Resp: 309800

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

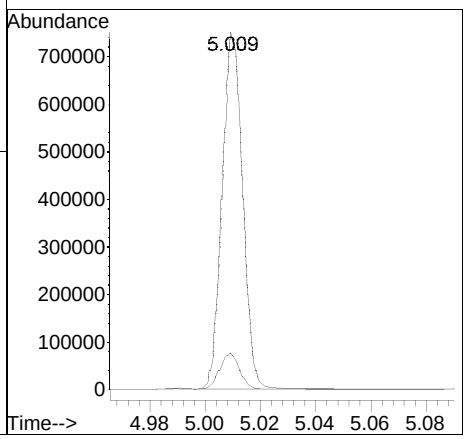


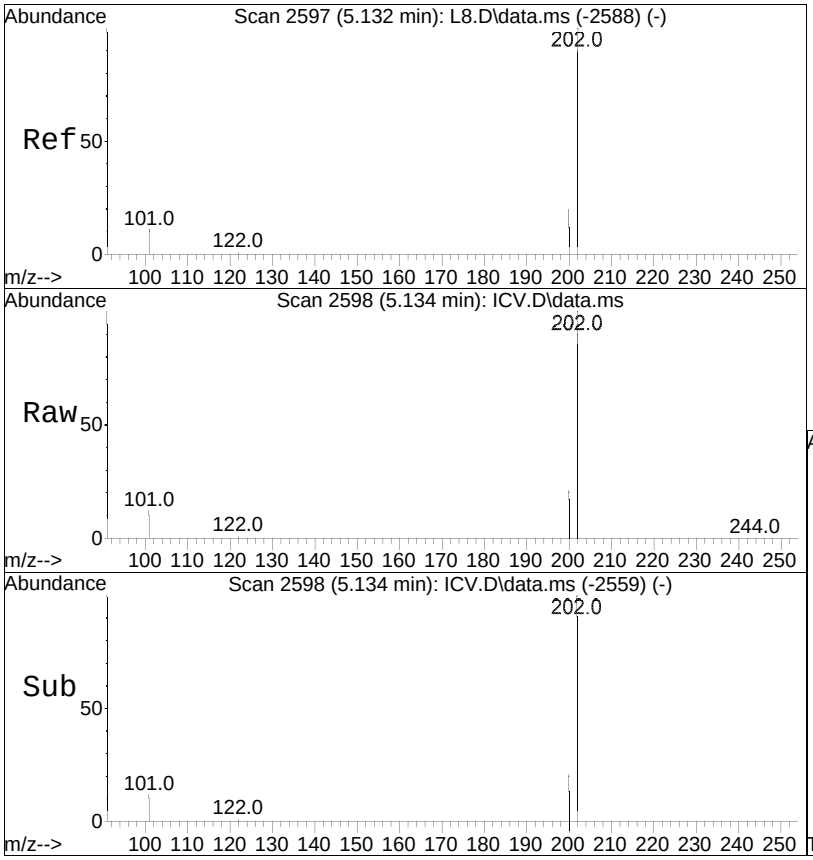


#28
Fluoranthene
Concen: 866.39 ng/ml
RT: 5.009 min Scan# 2538
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:202 Resp: 381208

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.1	12.1

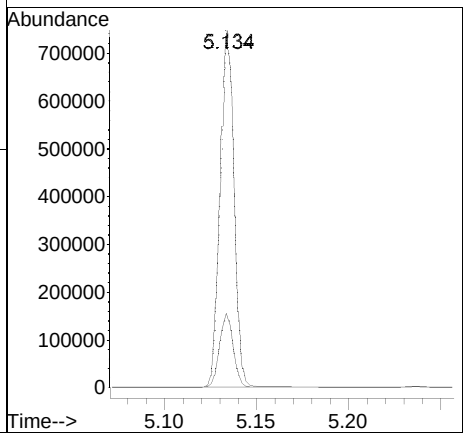


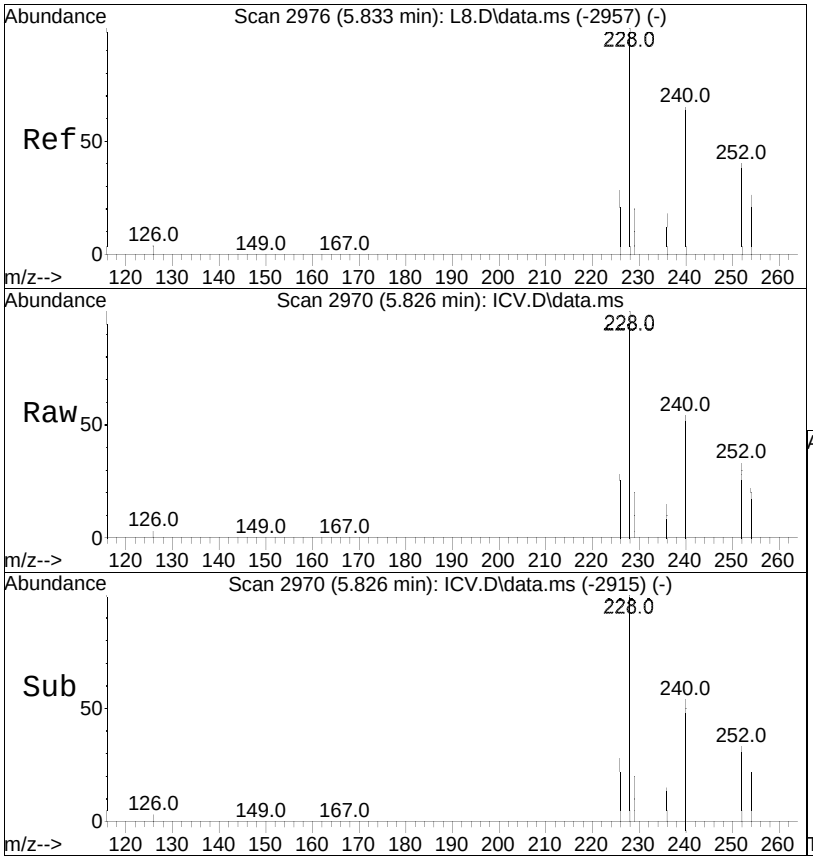


#29
Pyrene
Concen: 849.08 ng/ml
RT: 5.134 min Scan# 2598
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:202 Resp: 387138

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7

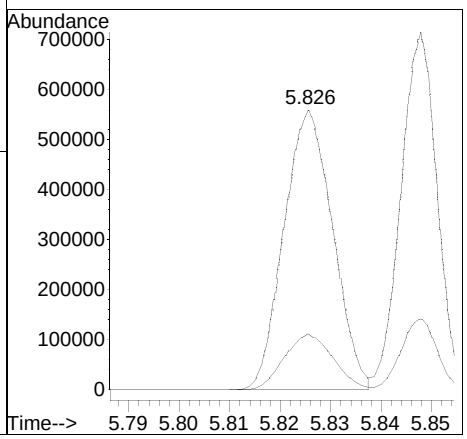


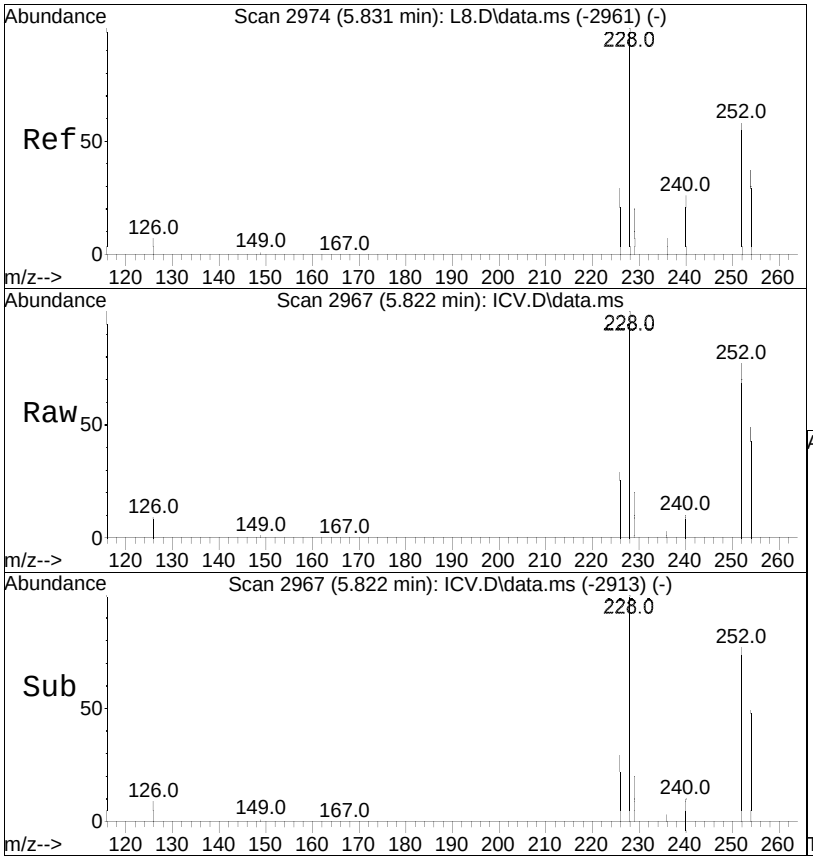


#32
Benzo[a]anthracene
Concen: 951.60 ng/ml
RT: 5.826 min Scan# 2970
Delta R.T. -0.007 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:228 Resp: 375288

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8

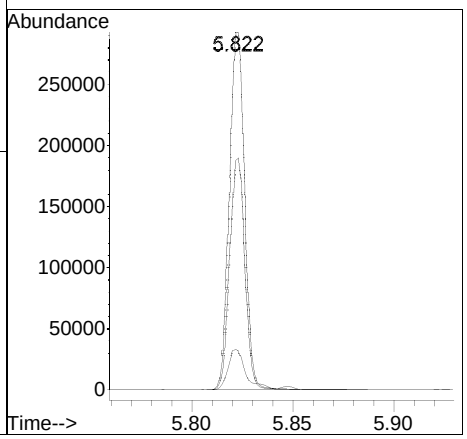


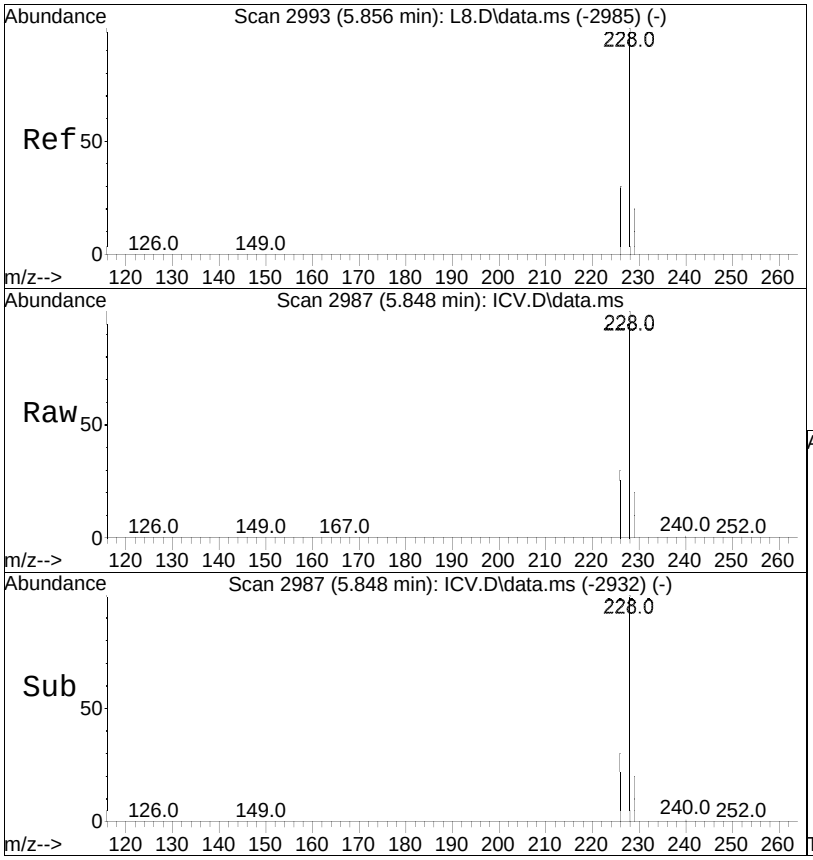


#33
3,3'-Dichlorobenzene
Concen: 950.10 ng/ml
RT: 5.822 min Scan# 2967
Delta R.T. -0.009 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 151190

Ion	Ratio	Lower	Upper
252	100		
126	13.3	10.5	15.7
254	64.2	51.4	77.0

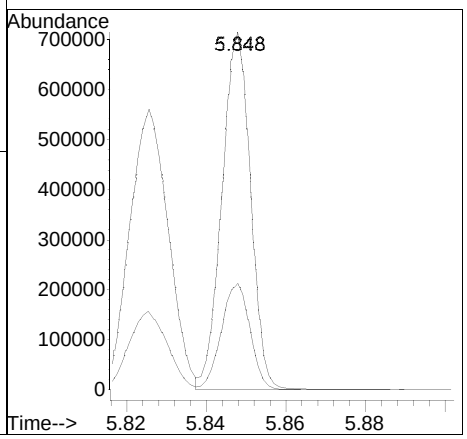


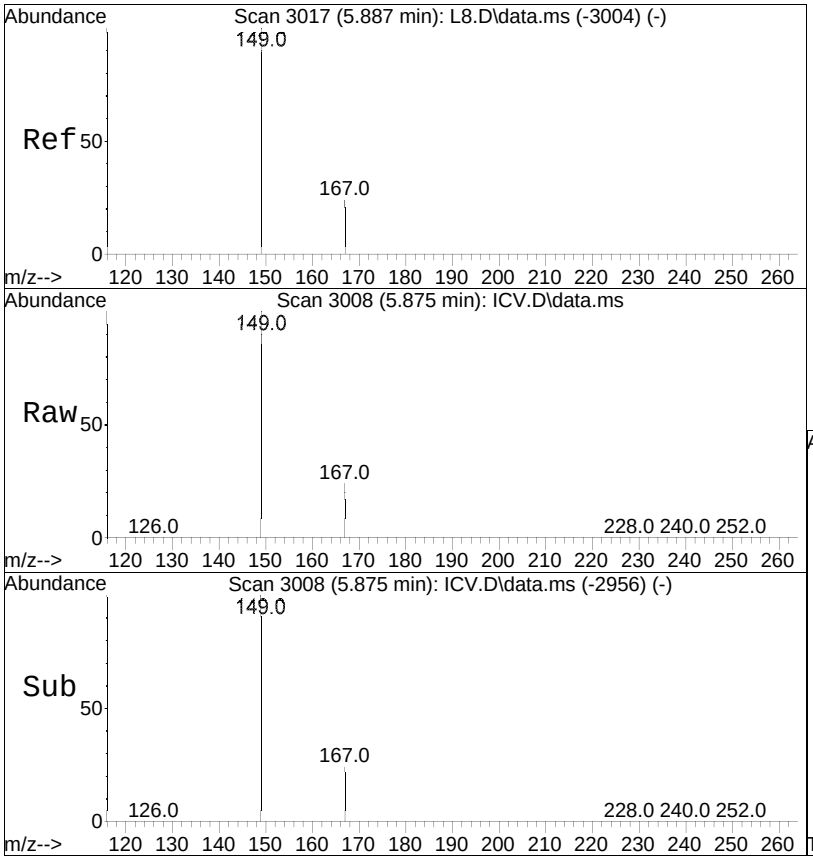


#34
Chrysene
Concen: 915.31 ng/ml
RT: 5.848 min Scan# 2987
Delta R.T. -0.008 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:228 Resp: 354927

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9

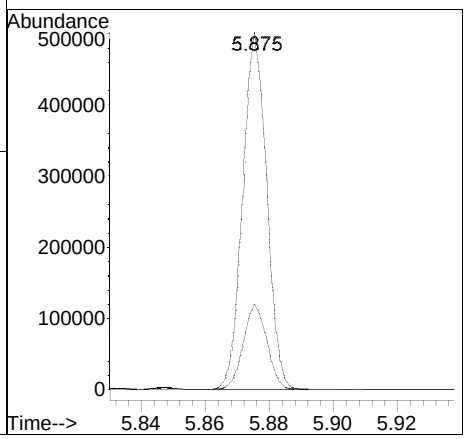


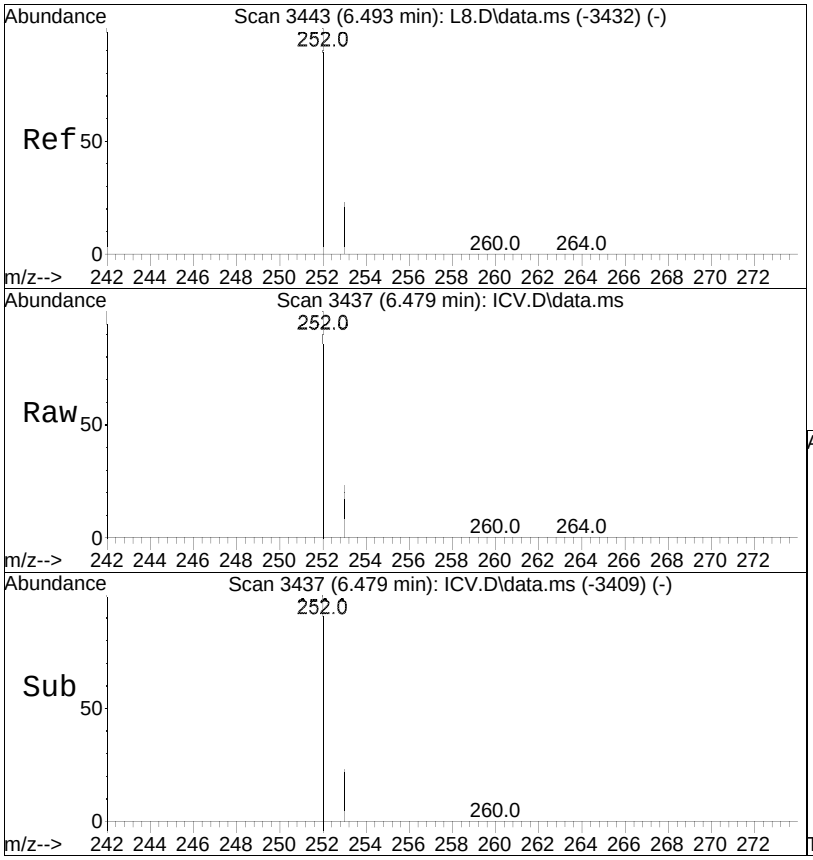


#35
Bis(2-ethylhexyl)phthalate
Concen: 913.16 ng/ml
RT: 5.875 min Scan# 3008
Delta R.T. -0.012 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:149 Resp: 256817

Ion	Ratio	Lower	Upper
149	100		
167	23.7	19.0	28.4

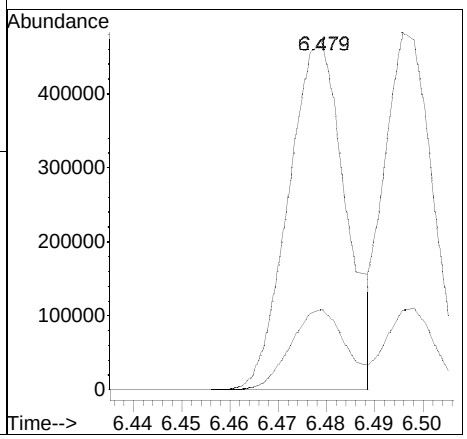


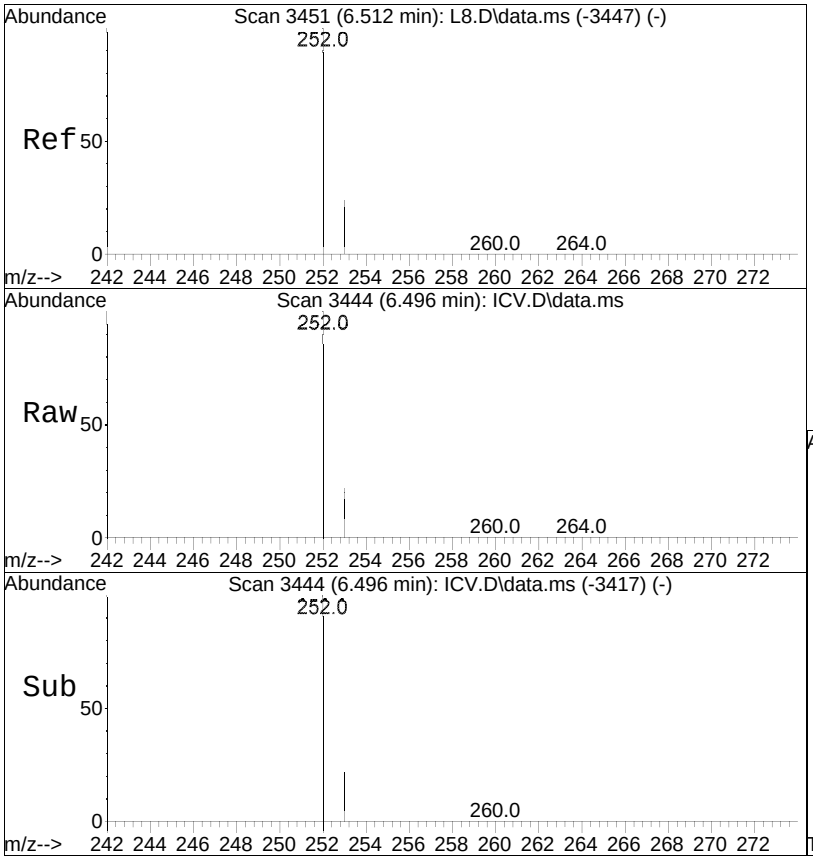


#37
Benzo[b]fluoranthene
Concen: 909.14 ng/ml
RT: 6.479 min Scan# 3437
Delta R.T. -0.014 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 390762

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0

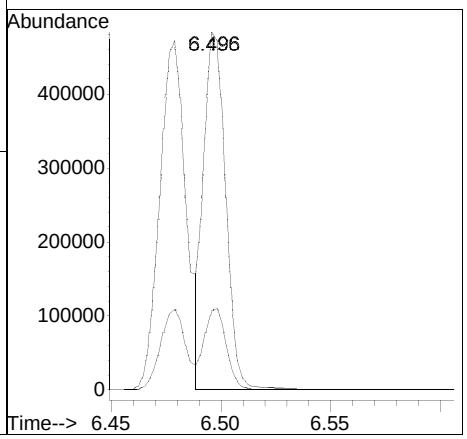


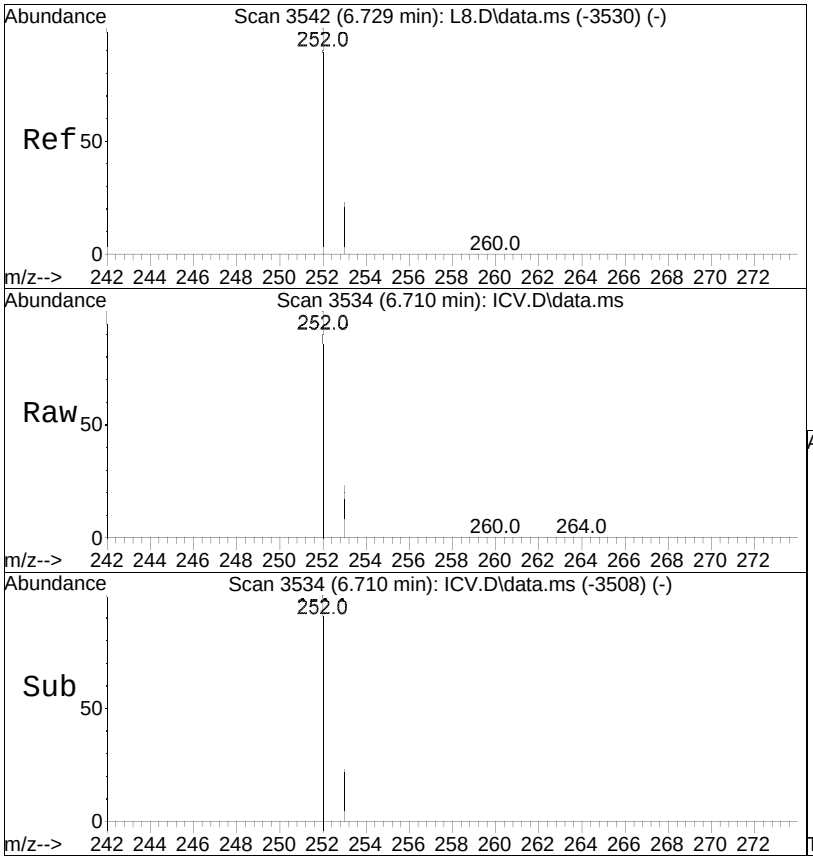


#38
Benzo[k]fluoranthene
Concen: 844.53 ng/ml
RT: 6.496 min Scan# 3444
Delta R.T. -0.016 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 335346

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5

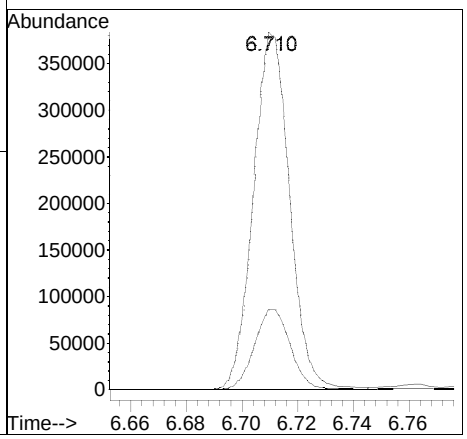


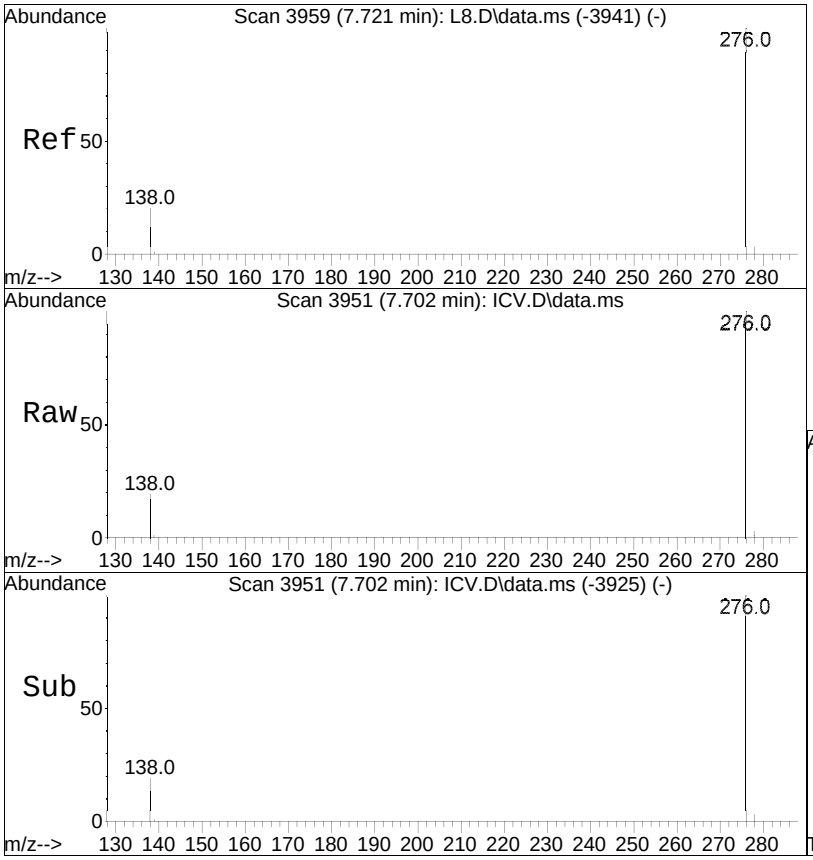


#39
Benzo[a]pyrene
Concen: 901.97 ng/ml
RT: 6.710 min Scan# 3534
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:252 Resp: 343357

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

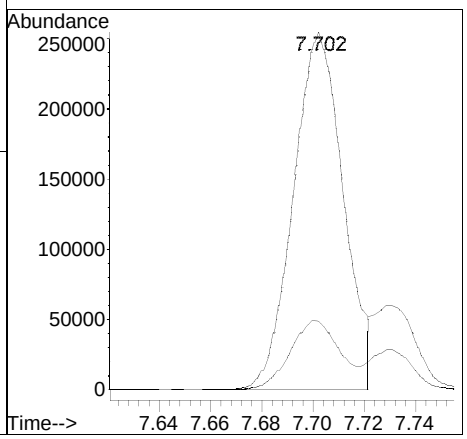


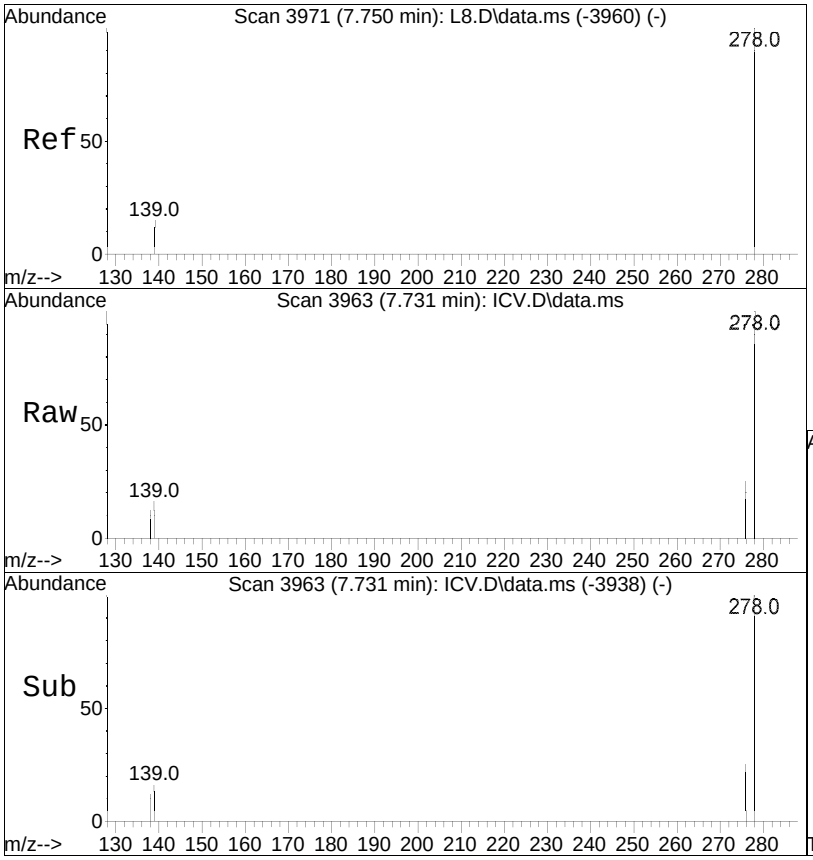


#40
Indeno[1,2,3-cd]pyrene
Concen: 886.99 ng/ml
RT: 7.702 min Scan# 3951
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:276 Resp: 341330

Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.1	22.7

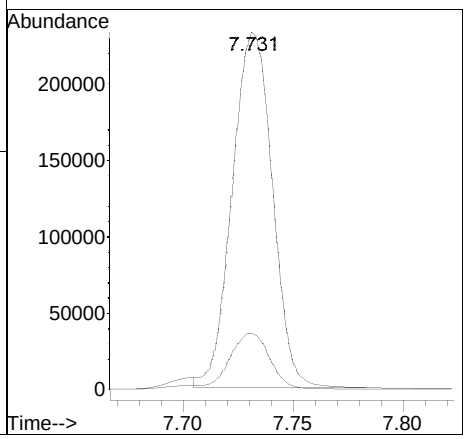


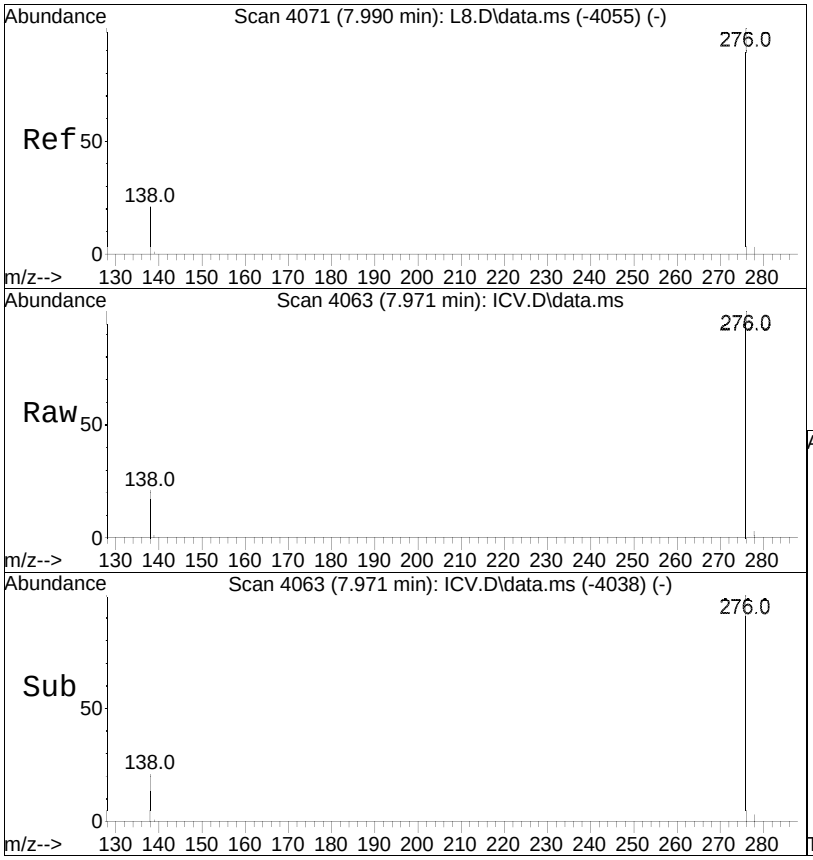


#41
Dibenzo[a,h]anthracene
Concen: 860.79 ng/ml M6
RT: 7.731 min Scan# 3963
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:278 Resp: 295075

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.3	19.9

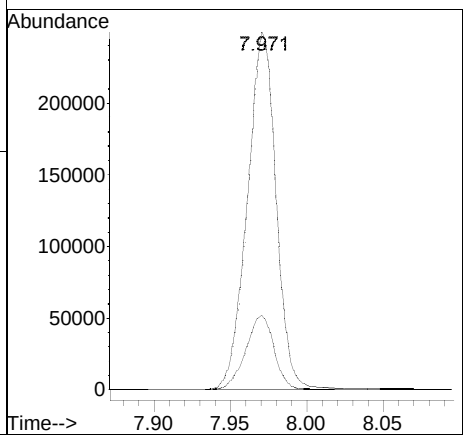




#42
Benzo[g,h,i]perylene
Concen: 851.23 ng/ml
RT: 7.971 min Scan# 4063
Delta R.T. -0.019 min
Lab File: ICV.D
Acq: 21 Jun 2024 05:33 pm

Tgt Ion:276 Resp: 322203

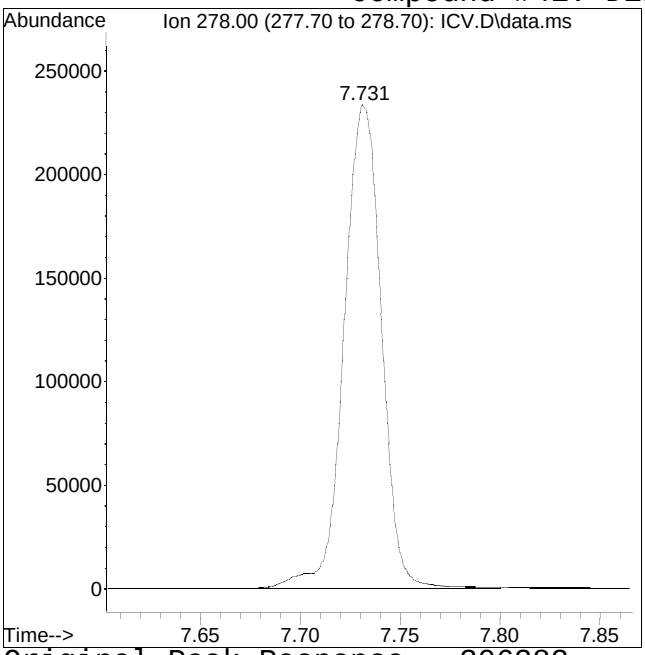
Ion	Ratio	Lower	Upper
276	100		
138	20.8	16.9	25.3



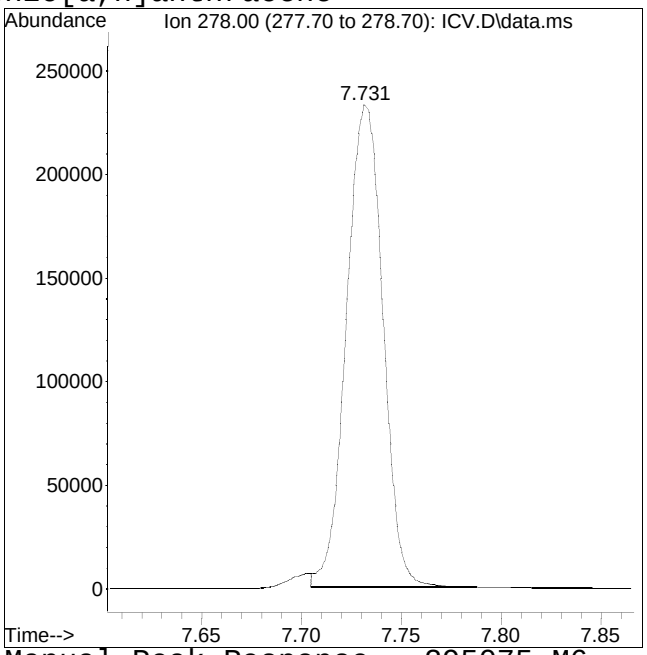
Manual Integration Report

Data Path : I:\8270SIM\sv119\240621RVTQ
Data File : ICV.D
Date Inj'd : 6/21/2024 5:33 pm
Sample : CQICV,32,, #10475 1000 ng/
Method : SIM-RVT_240621_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/26/2024 12:48 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 306382



Manual Peak Response = 295075 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV119

Method Path : I:\8270SIM\sv119\240621RVTical\
Method File : SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 26 12:41:11 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
23 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	991.493	-0.9	40.00	46.132	15.3
25 T	Pentachlorophenol	Q	ng/ml	1000.0	1037.550	3.8	5.00	7.392	47.8
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	1068.137	6.8	2.00	1.985	-0.7
35 T	Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	1014.123	1.4	40.00	43.633	9.1

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
23 T	4,6-Dinitro-o-cresol	Quadratic	0.999438	-0.007216	0.170334	-0.00100381
25 T	Pentachlorophenol	Quadratic	0.997478	0.032871	0.163746	-0.000173207
32 T	Benzo[a]anthracene	Linear	0.998969	0.000000	1.50131	0.00304083
35 T	Bis(2-ethylhexyl)phthalate	Linear	0.999566	0.000000	1.09576	-0.00365625

Response Factor Report SV120

Method Path : I:\8270SIM\sv120\240728RVTical\
Method File : SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Aug 07 14:37:40 2024
Response Via : Initial Calibration

Calibration Files
L1 =IL1.D L2 =IL2.D L3 =IL3.D L4 =IL4.D L5 =IL5.D L6 =IL6.D L7 =IL7.D L8 =IL8.D
L9 =IL9.D L10 =IL10.D

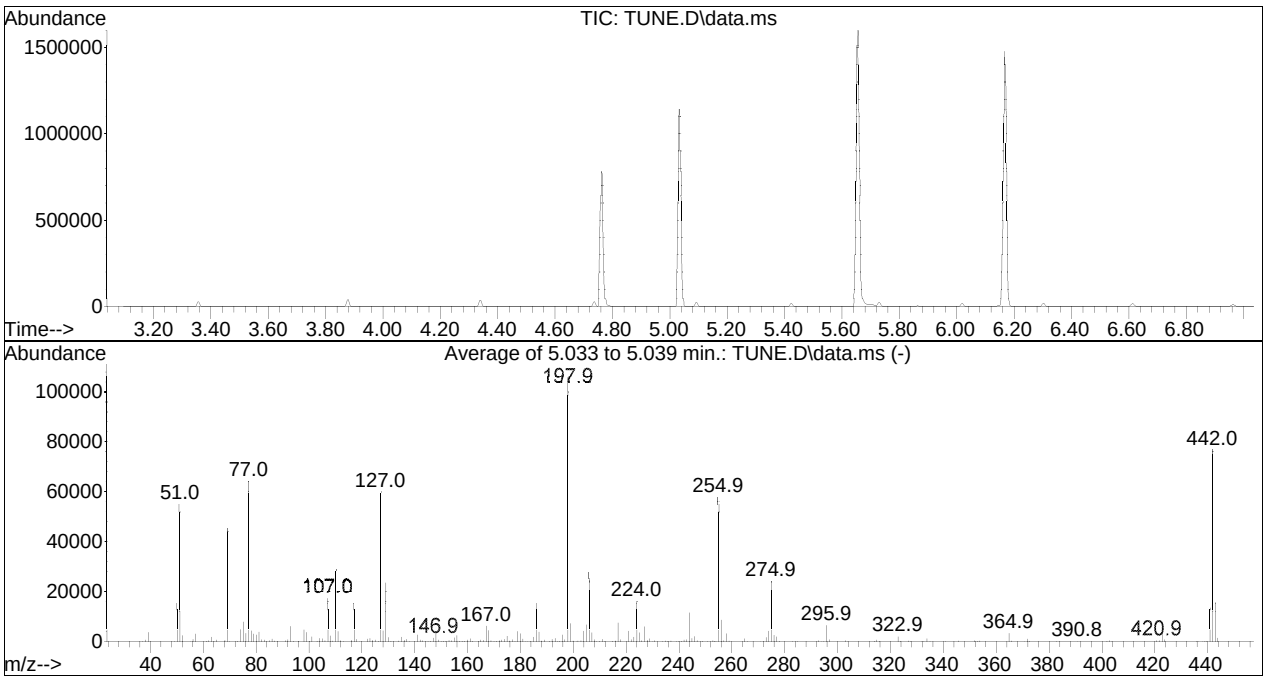
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD	
1)	i	1,4-Dichlorobenzene-d4	ISTD												
2)	s	2-Fluorophenol	1.200	1.265	1.191	1.180	1.168	1.207	1.198	1.179	1.175	1.117	1.188	3.11	
3)	s	Phenol-d6		1.568	1.393	1.412	1.393	1.441	1.451	1.437	1.474	1.440	1.445	3.67	
4)	T	bis(2-Chloroethyl)ether		1.630	1.353	1.310	1.279	1.292	1.294	1.244	1.239	1.193	1.315	9.65	
5)	T	n-Nitrosodi-n-propylamine		0.925	0.841	0.819	0.799	0.836	0.866	0.879	0.934	0.932	0.870	5.85	
6)	t	Hexachloroethane			0.587	0.565	0.551	0.566	0.564	0.552	0.557	0.547	0.561	2.27	
7)	s	Nitrobenzene-d5		1.158	1.123	1.115	1.118	1.171	1.200	1.210	1.258	1.234	1.176	4.47	
8)	i	Naphthalene-d8	ISTD												
9)	t	Naphthalene	1.315	1.282	1.192	1.180	1.111	1.128	1.103	1.075	1.074	1.028	1.149	8.10	
10)	t	Hexachlorobutadiene			0.208	0.208	0.200	0.202	0.196	0.191	0.190	0.184	0.197	4.50	
11)	t	2-Methylnaphthalene		0.786	0.729	0.737	0.716	0.734	0.730	0.718	0.721	0.691	0.729	3.47	
12)	t	1-Methylnaphthalene		0.749	0.678	0.687	0.674	0.685	0.678	0.664	0.666	0.643	0.680	4.23	
13)	s	2-Fluorobiphenyl	0.901	0.948	0.870	0.871	0.854	0.879	0.855	0.827	0.829	0.786	0.862	5.11	
14)	t	2-Chloronaphthalene		0.812	0.745	0.744	0.726	0.748	0.742	0.725	0.728	0.697	0.741	4.19	
15)	t	2,6-Dinitrotoluene					0.106	0.117	0.143	0.154	0.170	0.168	*L	0.9985	
16)	t	Acenaphthylene	1.042	1.058	1.016	1.009	1.003	1.050	1.111	1.115	1.139	1.092	1.063	4.54	
17)	i	Acenaphthene-d10	ISTD												
18)	t	Acenaphthene		1.603	1.465	1.533	1.431	1.443	1.415	1.368	1.384	1.340	1.442	5.75	
19)	t	2,4-Dinitrotoluene					0.238	0.273	0.347	0.371	0.406	0.404	*L	0.9987	
20)	t	Fluorene	1.827	1.759	1.571	1.547	1.495	1.559	1.589	1.541	1.567	1.529	1.598	6.69	
21)	s	2,4,6-Tribromophenol				0.168	0.178	0.205	0.238	0.242	0.257	0.254	0.220	16.45	
22)	i	Phenanthrene-d10	ISTD												
23)	T	4,6-Dinitro-o-cresol						0.040	0.055	0.081	0.091	0.106	0.112	*Q	0.9987
24)	t	Hexachlorobenzene	0.332	0.300	0.276	0.279	0.270	0.279	0.276	0.266	0.266	0.260	0.280	7.57	
25)	t	Pentachlorophenol						0.037	0.062	0.102	0.125	0.154	0.163	*Q	0.9973
26)	t	Phenanthrene			1.242	1.261	1.225	1.211	1.186	1.140	1.134	1.104	1.188	4.77	
27)	t	Anthracene			1.187	1.162	1.111	1.139	1.161	1.146	1.150	1.111	1.146	2.26	
28)	t	Fluoranthene			1.329	1.308	1.253	1.289	1.318	1.286	1.270	1.215	1.283	2.89	
29)	t	Pyrene			1.359	1.326	1.300	1.346	1.407	1.353	1.338	1.268	1.337	3.10	
30)	s	4-Terphenyl-d14		0.977	0.856	0.843	0.815	0.835	0.845	0.815	0.795	0.759	0.838	7.19	
31)	i	Chrysene-d12	ISTD												
32)	t	Benzo[a]anthracene			3.931	2.673	1.652	1.513	1.496	1.499	1.504	1.517	*L	0.9998	
33)	t	3,3'-Dichlorob...						0.356	0.396	0.488	0.520	0.572	0.581	*L	0.9983
34)	t	Chrysene			1.457	1.446	1.437	1.487	1.517	1.418	1.459	1.418	1.455	2.32	
35)	T	bis(2-Ethylhexyl)phthalate						0.520	0.578	0.789	0.884	1.032	1.080	*Q	0.9986
36)	i	Perylene-d12	ISTD												
37)	t	Benzo[b]fluora...		1.356	1.293	1.226	1.258	1.350	1.442	1.336	1.472	1.420	1.350	6.18	
38)	t	Benzo[k]fluora...		1.318	1.181	1.222	1.143	1.201	1.332	1.400	1.309	1.343	1.272	6.87	
39)	t	Benzo[a]pyrene		1.021	0.941	0.949	0.949	1.025	1.169	1.180	1.237	1.246	1.080	11.83	
40)	t	Indeno[1,2,3-c...			0.878	0.889	0.873	0.921	1.036	1.062	1.171	1.265	1.012	14.62	
41)	t	Dibenzo[a,h]anthracene			0.776	0.799	0.808	0.900	1.015	1.041	1.113	1.144	0.950	15.53	
42)	t	Benzo[g,h,i]pe...		1.012	0.913	0.926	0.918	0.993	1.077	1.095	1.162	1.212	1.034	10.58	

(#) = Out of Range

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 05 16:14:31 2024



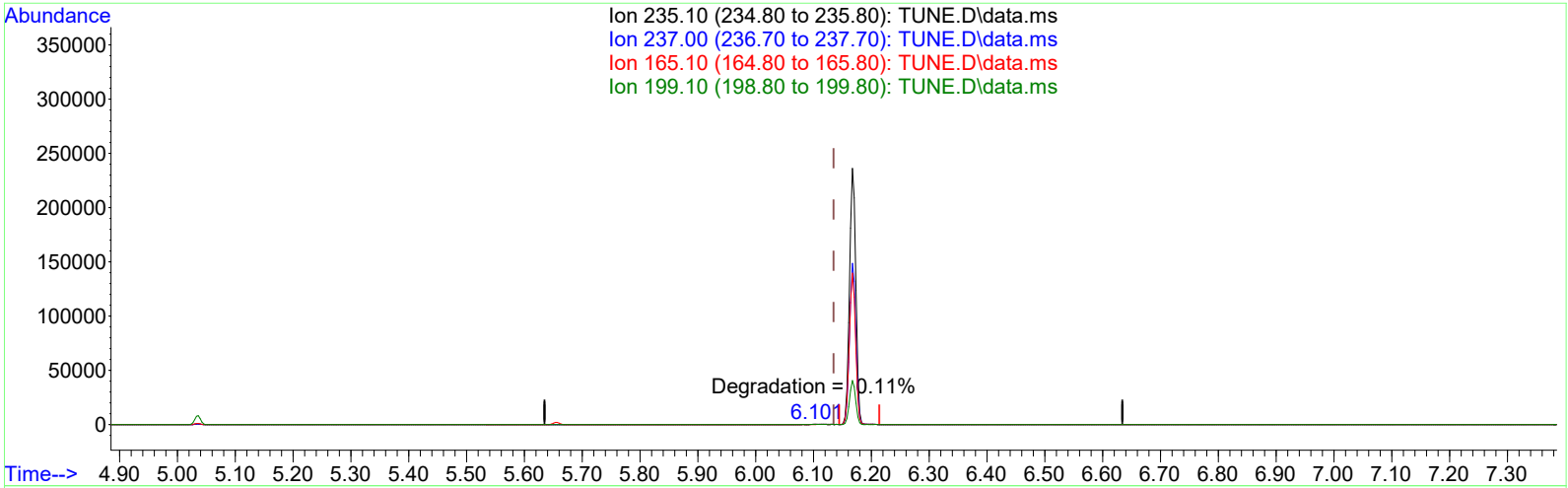
Spectrum Information: Average of 5.033 to 5.039 min.

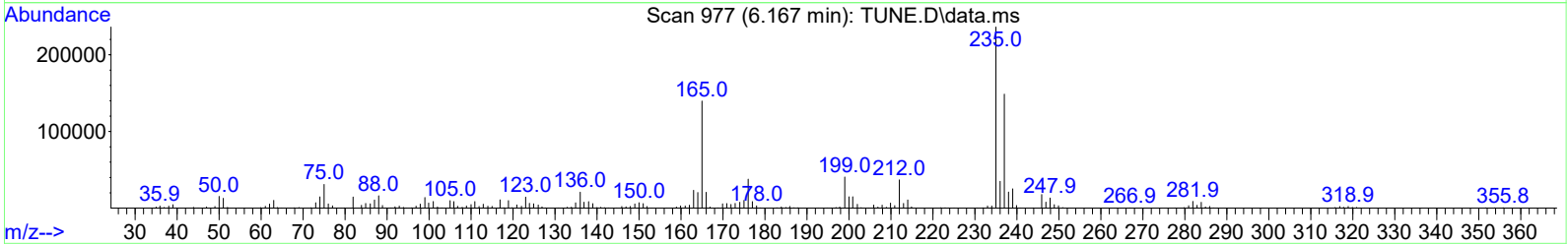
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.0	54955	PASS
68	69	0.00	2	1.8	819	PASS
69	69	100	100	100.0	45315	PASS
70	69	0.00	2	0.8	342	PASS
127	198	10	80	56.7	59891	PASS
197	198	0.00	2	1.0	1022	PASS
198	198	100	100	100.0	105701	PASS
199	198	5	9	6.8	7164	PASS
275	198	10	60	22.8	24133	PASS
365	198	1	100	3.3	3493	PASS
441	442	0.01	24	17.6	13479	PASS
442	198	50	100	72.6	76781	PASS
443	442	15	24	20.1	15450	PASS

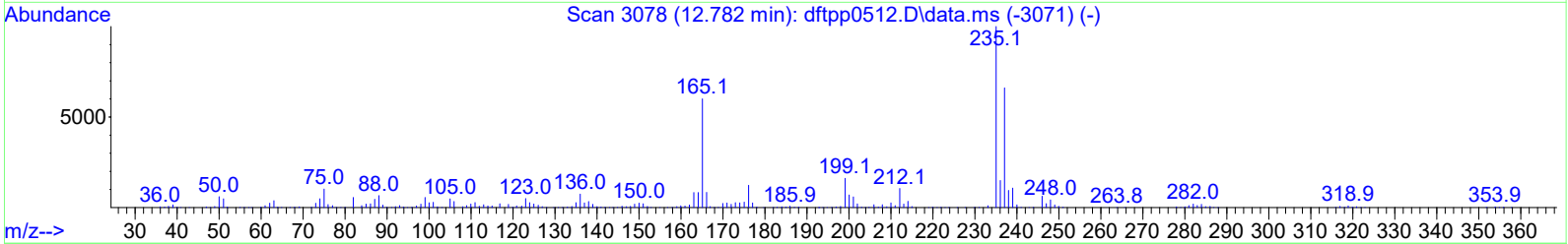
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: TUNE.D\data.ms

(6) ddt (T)

6.167min (+ 0.032) 29.51

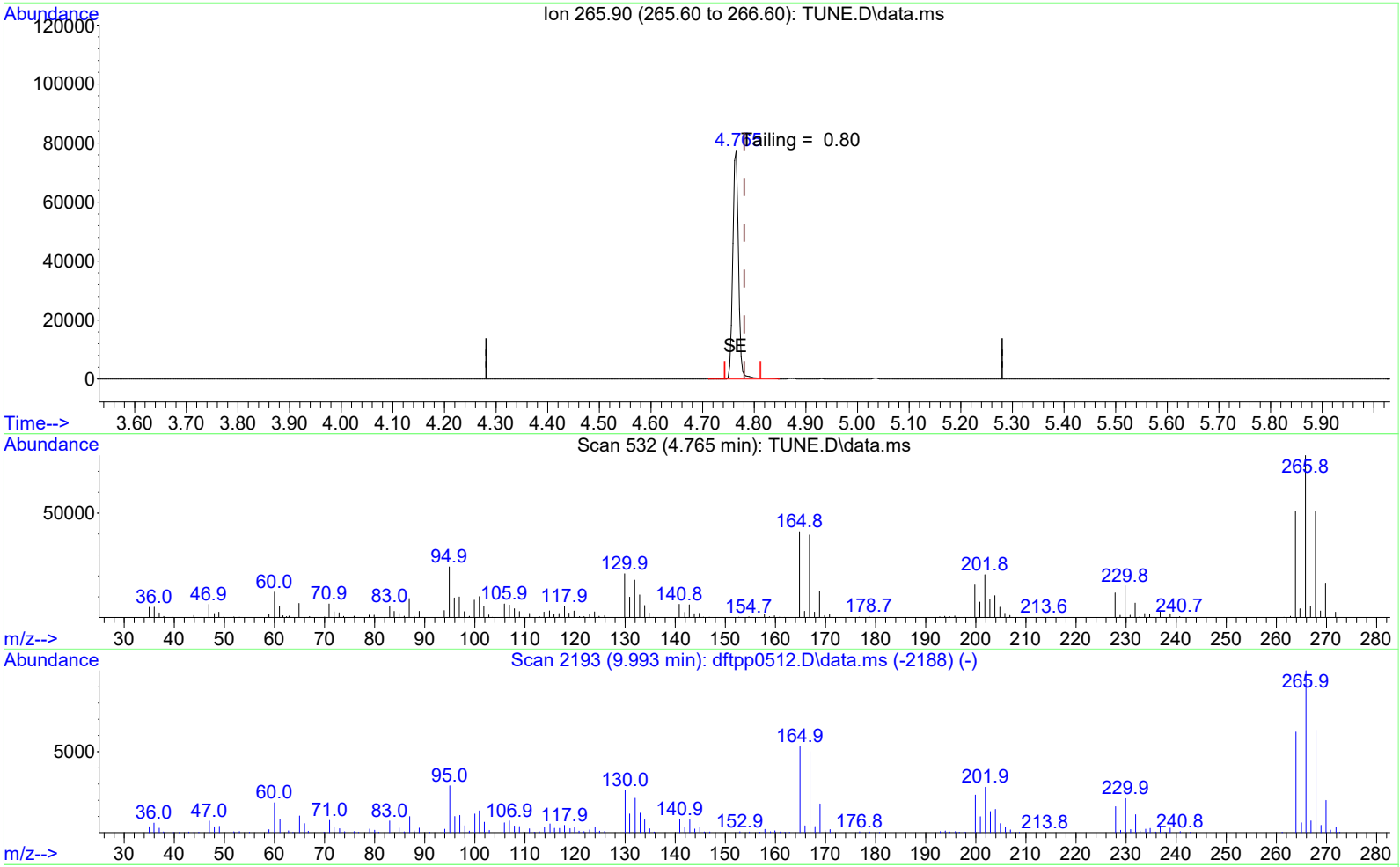
response 179862

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	62.62
165.10	53.30	58.69
199.10	17.10	16.81

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: TUNE.D\data.ms

(1) pentachlorophenol (T)

4.765min (-0.016) 28.43

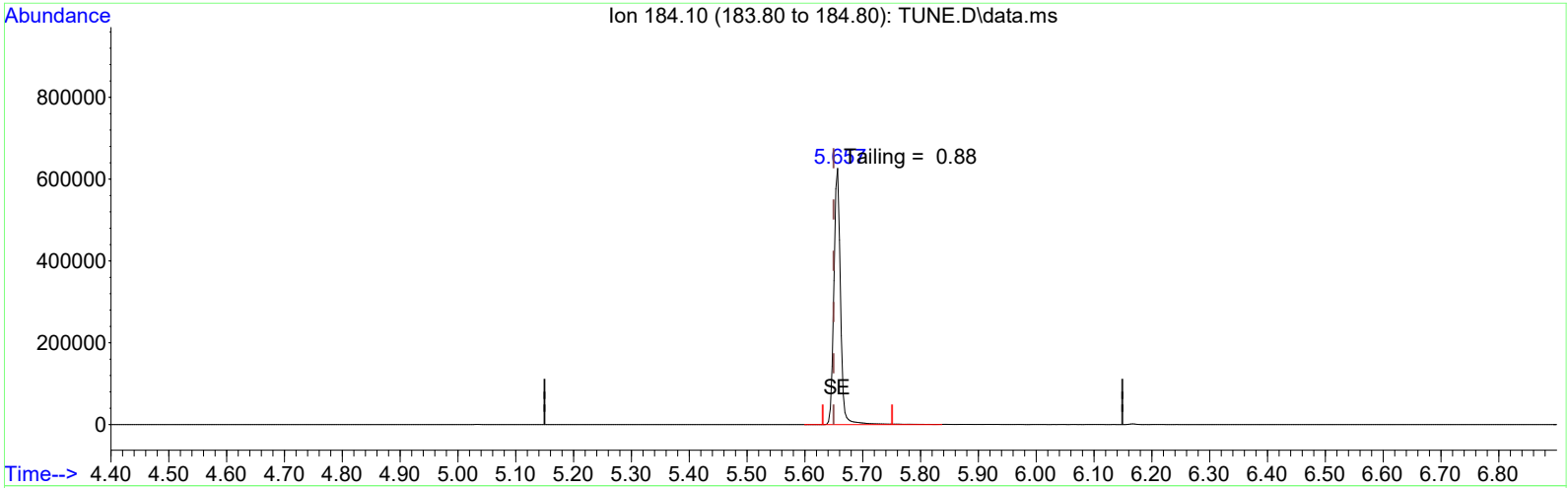
response 59710

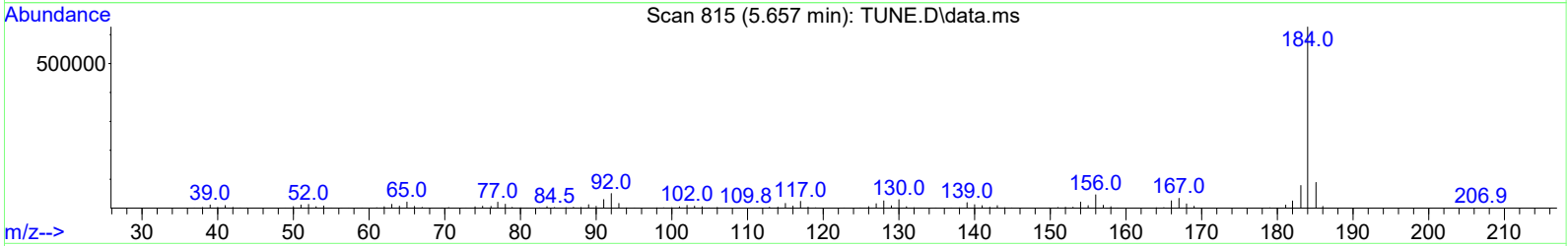
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

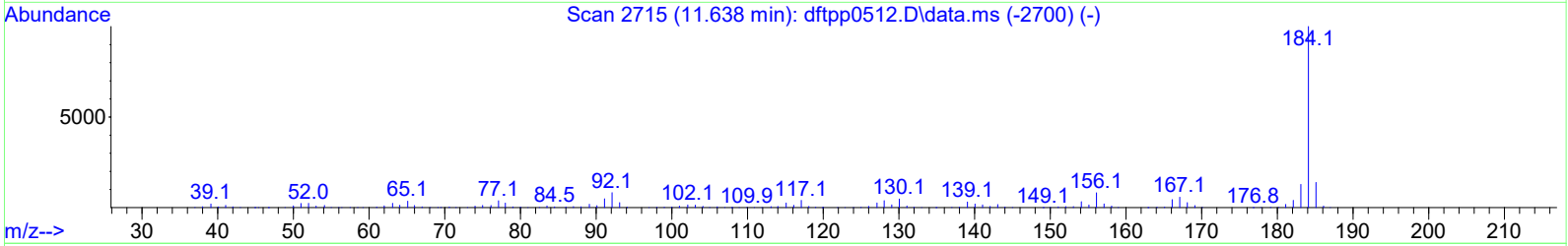
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : TUNE.D
Acq On : 28 Jul 2024 04:34 pm
Operator : SV120:
Sample : TUNE
Misc : WG1955532,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jul 28 16:47:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







TIC: TUNE.D\data.ms

(3) benzidine (T)

5.657min (+ 0.007) 48.80

response 496809

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.189	152	325198	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 97.62%			
8) Naphthalene-d8	2.847	136	1296831	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.81%			
17) Acenaphthene-d10	3.818	164	737887	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 101.62%			
22) Phenanthrene-d10	4.652	188	1489838	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 99.17%			
31) Chrysene-d12	6.193	240	1204133	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 93.31%			
36) Perylene-d12	7.329	264	1202813	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 94.54%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	454196	4702.118	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 235.11%#			
3) Phenol-d6	2.006	99	585383	4981.981	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 249.10%#			
7) Nitrobenzene-d5	2.468	82	501568	5244.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 524.48%#			
13) 2-Fluorobiphenyl	3.444	172	1274085	4559.070	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 455.91%#			
21) 2,4,6-Tribromophenol	4.262	330	233995	5760.013	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 288.00%#			
30) 4-Terphenyl-d14	5.566	244	1414280	4532.793	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 226.64%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.056	93	485004	4536.439	ng/ml	100
5) n-nitrosodi-n-propylamine	2.393	70	378981	5357.326	ng/ml	99
6) Hexachloroethane	2.446	117	222355	4874.111	ng/ml	100
9) Naphthalene	2.860	128	1666704	4475.661	ng/ml#	99
10) Hexachlorobutadiene	2.932	225	297582	4652.111	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	1119498	4736.163	ng/ml	98
12) 1-Methylnaphthalene	3.292	142	1043004	4728.374	ng/ml	99
14) 2-Chloronaphthalene	3.503	162	1130503	4707.183	ng/ml	99
15) 2,6-Dinitrotoluene	3.704	165	271809	5038.663	ng/ml	97
16) Acenaphthylene	3.737	152	1770050	5133.848	ng/ml	99
18) Acenaphthene	3.837	153	1235837	4644.306	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.929	165	372556	5047.251	ng/ml	96
20) Fluorene	4.127	166	1410509	4783.522	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.159	198	208119	4962.048	ng/ml	95
24) Hexachlorobenzene	4.441	284	484844	4641.302	ng/ml	99
25) Pentachlorophenol	4.552	266	303306	4141.770	ng/ml	100
26) Phenanthrene	4.666	178	2055390	4646.040	ng/ml	98
27) Anthracene	4.694	178	2069367	4848.361	ng/ml	98
28) Fluoranthene	5.339	202	2262496	4733.165	ng/ml	99
29) Pyrene	5.470	202	2361125	4741.088	ng/ml	99
32) Benzo[a]anthracene	6.185	228	2283840	5037.019	ng/ml	99
33) 3,3'-Dichlorobenzene	6.176	252	875190	5097.147	ng/ml	99
34) Chrysene	6.210	228	2134131	4872.886	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.215	149	1625893	4961.091	ng/ml	98
37) Benzo[b]fluoranthene	6.980	252	2134516	5257.339	ng/ml	99
38) Benzo[k]fluoranthene	7.006	252	2019716	5280.006	ng/ml	98
39) Benzo[a]pyrene	7.274	252	1873434	5769.715	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.489	276	1901996	6251.222	ng/ml	100
41) Dibenzo[a,h]anthracene	8.524	278	1720699M6	6026.076	ng/ml	
42) Benzo[g,h,i]perylene	8.822	276	1822447	5874.628	ng/ml	100

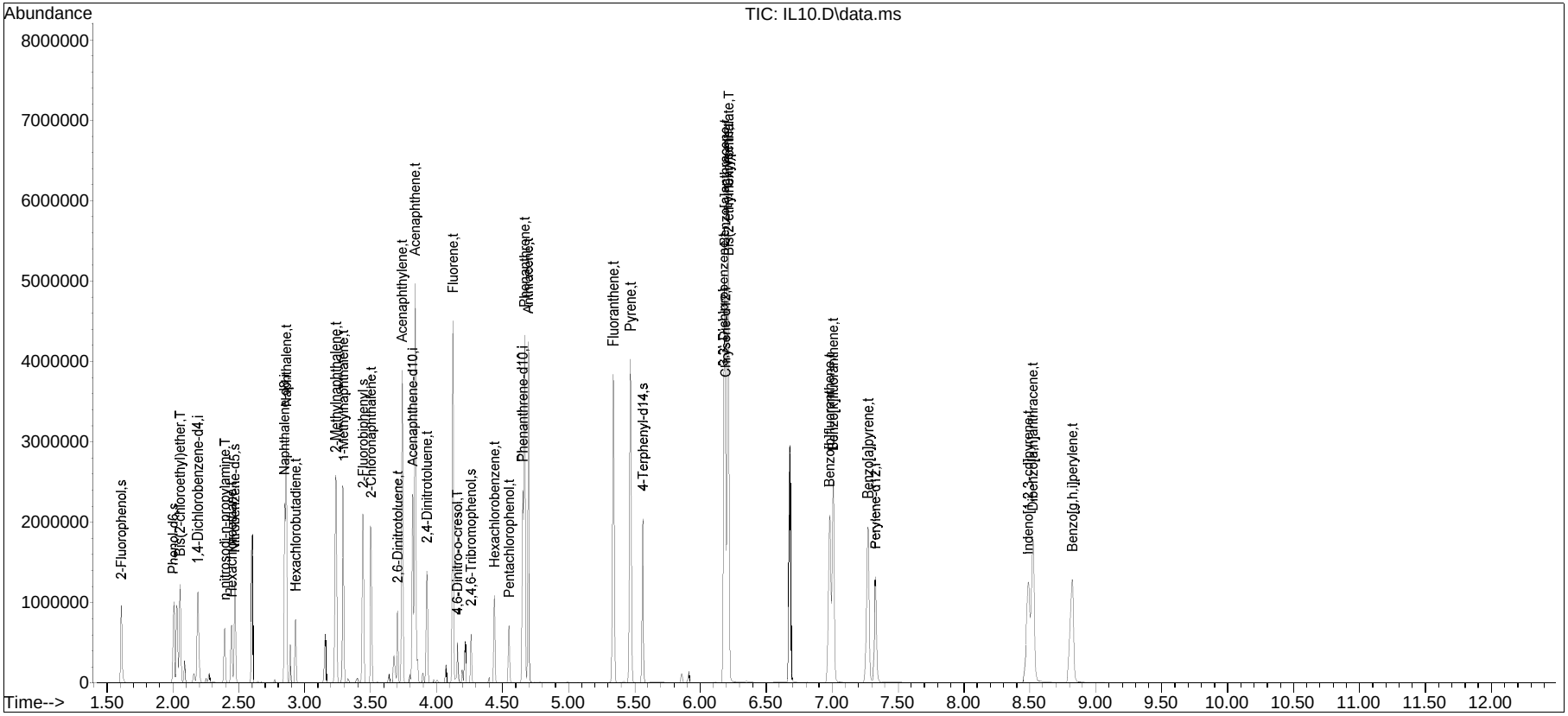
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL10.D
Acq On : 28 Jul 2024 04:50 pm
Operator : SV120:jjw
Sample : IL10,32,,5000.0ng/mL lot# 10885
Misc : WG1955532,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jul 29 11:54:12 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:27 2024
Response via : Initial Calibration

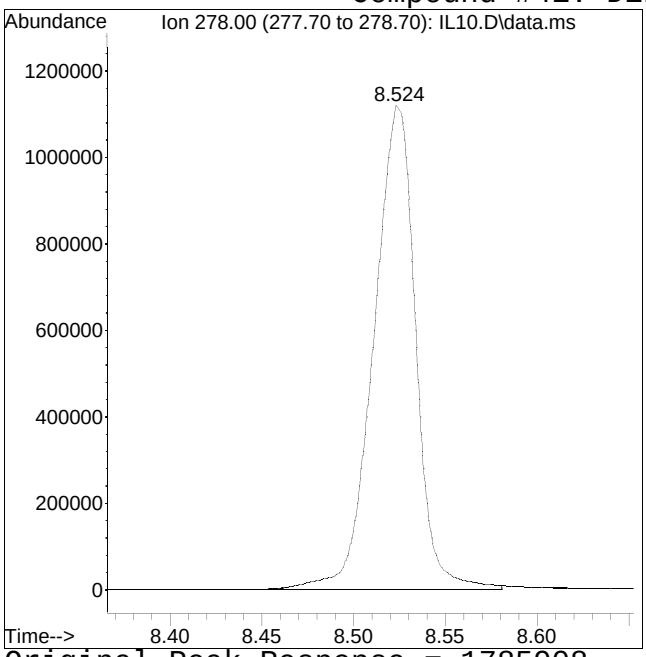
Sub List : Default - All compounds listedical\IL8.D•



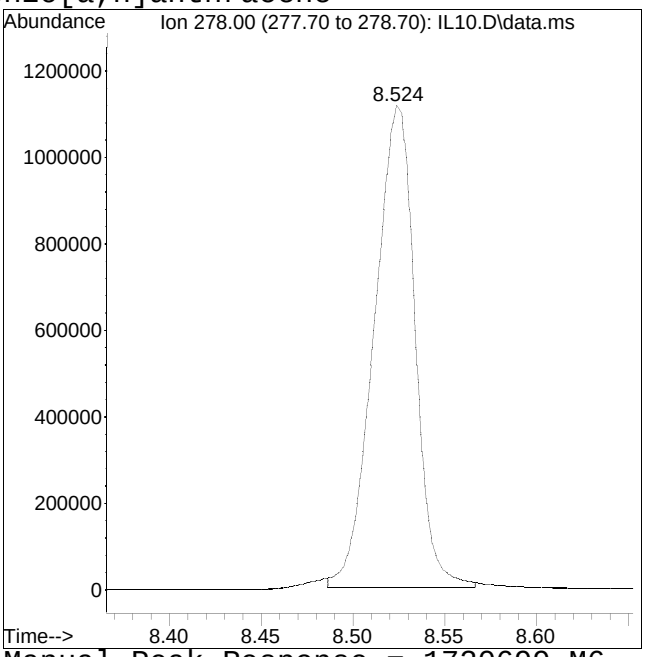
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL10.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 4:50 pm Instrument : SV120
Sample : IL10,32,,5000.0ng/mL lot# Quant Date : 7/29/2024 11:55 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1785908



Manual Peak Response = 1720699 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.189	152	329104	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 98.79%			
8) Naphthalene-d8	2.847	136	1290491	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.32%			
17) Acenaphthene-d10	3.818	164	731498	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 100.74%			
22) Phenanthrene-d10	4.652	188	1517349	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 101.00%			
31) Chrysene-d12	6.187	240	1247883	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 96.70%			
36) Perylene-d12	7.324	264	1242298	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.65%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	241774	2473.287	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 123.66%#			
3) Phenol-d6	2.006	99	303186	2549.681	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 127.48%#			
7) Nitrobenzene-d5	2.468	82	258773	2673.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 267.38%#			
13) 2-Fluorobiphenyl	3.441	172	668610	2404.247	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 240.42%#			
21) 2,4,6-Tribromophenol	4.262	330	117358	2914.112	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 145.71%#			
30) 4-Terphenyl-d14	5.563	244	753459	2371.066	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 118.55%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.056	93	254782	2354.796	ng/ml	100
5) n-nitrosodi-n-propylamine	2.390	70	192120	2683.601	ng/ml	99
6) Hexachloroethane	2.446	117	114653	2483.411	ng/ml	99
9) Naphthalene	2.860	128	866001	2336.929	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	152937	2402.616	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	581766	2473.319	ng/ml	99
12) 1-Methylnaphthalene	3.292	142	536987	2446.347	ng/ml	100
14) 2-Chloronaphthalene	3.503	162	587358	2457.654	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	137287	2568.542	ng/ml	98
16) Acenaphthylene	3.737	152	918271	2676.435	ng/ml	100
18) Acenaphthene	3.837	153	632526	2397.810	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	185835	2551.549	ng/ml	97
20) Fluorene	4.124	166	716280	2450.369	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.157	198	100870	2606.877	ng/ml	95
24) Hexachlorobenzene	4.438	284	251991	2368.517	ng/ml	100
25) Pentachlorophenol	4.550	266	146461	2488.347	ng/ml	100
26) Phenanthrene	4.663	178	1075621	2387.270	ng/ml	99
27) Anthracene	4.691	178	1091022	2509.831	ng/ml	100
28) Fluoranthene	5.339	202	1204556	2474.255	ng/ml	100
29) Pyrene	5.467	202	1268976	2501.878	ng/ml	99
32) Benzo[a]anthracene	6.177	228	1172983	2492.594	ng/ml	100
33) 3,3'-Dichlorobenzene	6.170	252	446422	2520.865	ng/ml	99
34) Chrysene	6.202	228	1137905	2507.101	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.210	149	805016	2608.735	ng/ml	99
37) Benzo[b]fluoranthene	6.972	252	1142790	2725.244	ng/ml	99
38) Benzo[k]fluoranthene	6.995	252	1016529	2572.979	ng/ml	99
39) Benzo[a]pyrene	7.263	252	960831	2865.070	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.480	276	909078	2892.869	ng/ml	99
41) Dibenzo[a,h]anthracene	8.514	278	863803M6	2928.982	ng/ml	
42) Benzo[g,h,i]perylene	8.804	276	902380	2816.354	ng/ml	99

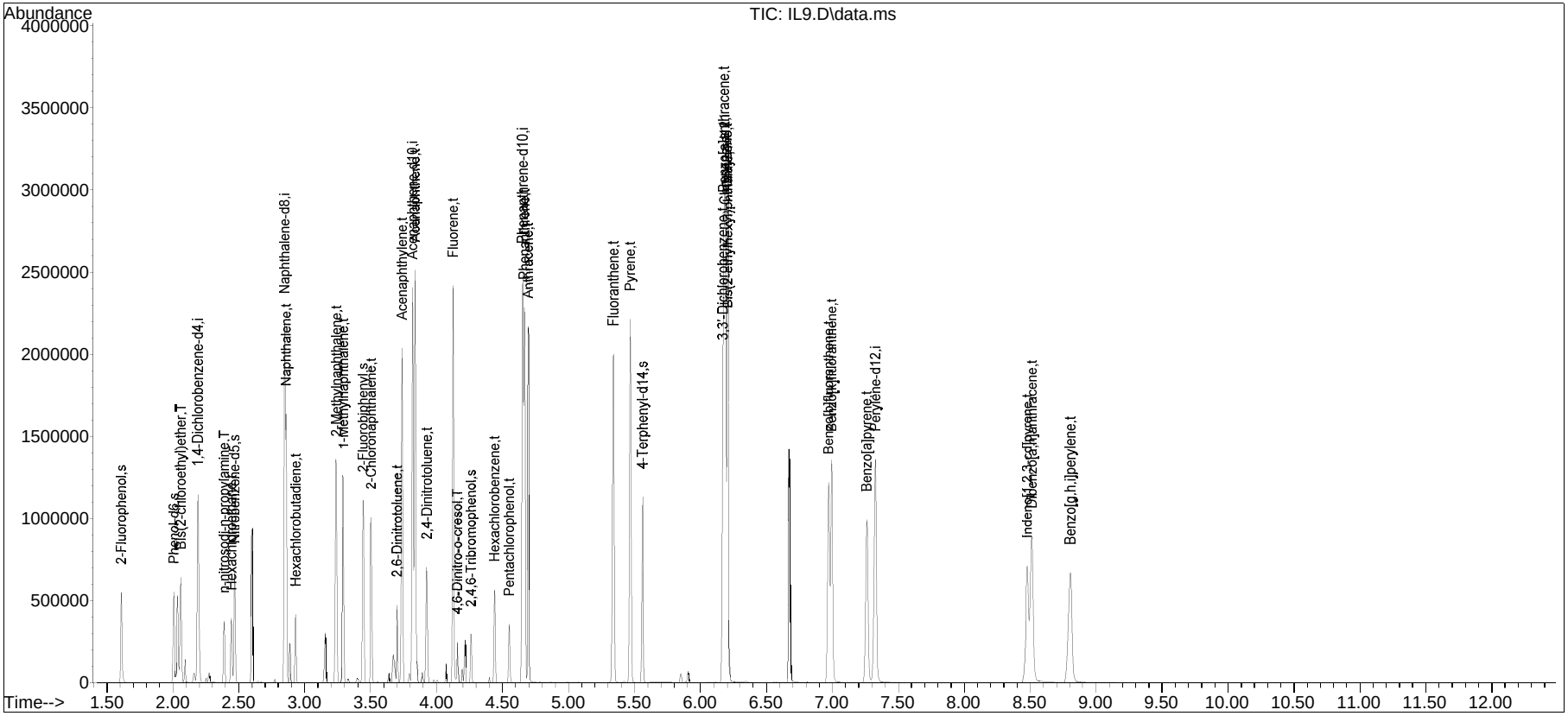
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL9.D
Acq On : 28 Jul 2024 05:07 pm
Operator : SV120:jjw
Sample : IL9,32,,2500.0ng/mL lot# 10901
Misc : WG1955532,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 11:54:20 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:55:34 2024
Response via : Initial Calibration

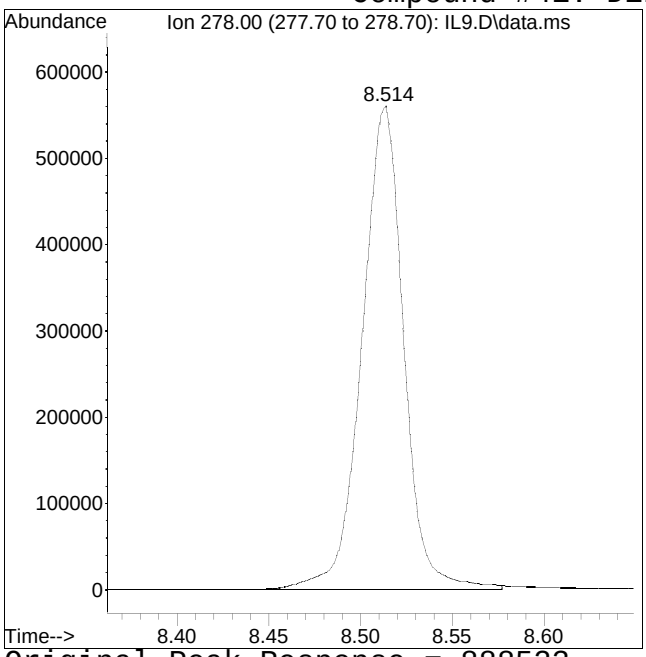
Sub List : Default - All compounds listedical\IL8.D•



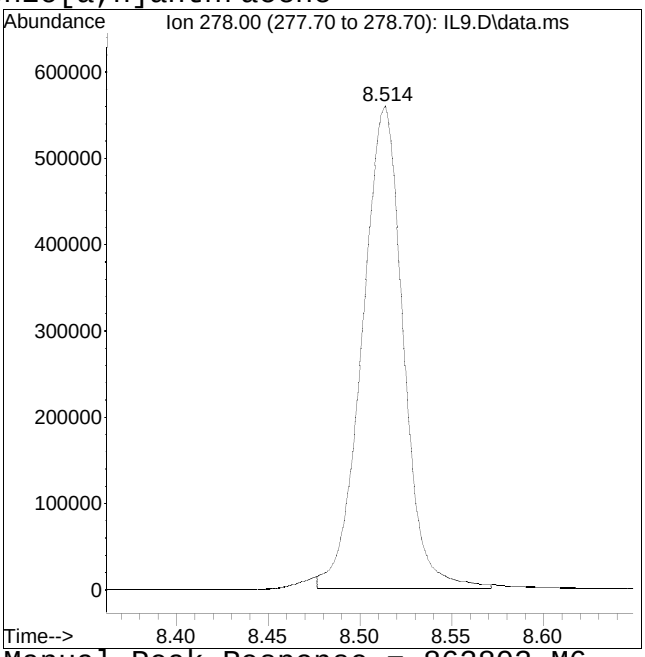
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL9.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:07 pm Instrument : SV120
Sample : IL9,32,,2500.0ng/mL lot# 1Quant Date : 7/29/2024 11:55 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 888523



Manual Peak Response = 863803 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.193	152	333161	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 100.01%			
8) Naphthalene-d8	2.850	136	1286400	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 100.00%			
17) Acenaphthene-d10	3.819	164	726145	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 100.00%			
22) Phenanthrene-d10	4.653	188	1502374	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 100.00%			
31) Chrysene-d12	6.183	240	1290415M4	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 100.00%			
36) Perylene-d12	7.320	264	1273273	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 100.08%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	98240	992.733	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.64%			
3) Phenol-d6	2.007	99	119641	993.884	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.69%			
7) Nitrobenzene-d5	2.469	82	100750	1028.352	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 102.84%			
13) 2-Fluorobiphenyl	3.444	172	266066	959.786	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.98%			
21) 2,4,6-Tribromophenol	4.261	330	43833	1096.439	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.82%			
30) 4-Terphenyl-d14	5.563	244	305635	971.392	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 48.57%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.057	93	103620	946.035	ng/ml	100
5) n-nitrosodi-n-propylamine	2.391	70	73169	1009.605	ng/ml	100
6) Hexachloroethane	2.447	117	45960	983.382	ng/ml	100
9) Naphthalene	2.860	128	345680	935.794	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	61356	966.958	ng/ml	100
11) 2-Methylnaphthalene	3.236	142	231012	985.247	ng/ml	100
12) 1-Methylnaphthalene	3.291	142	213483	975.655	ng/ml	100
14) 2-Chloronaphthalene	3.506	162	233044	978.216	ng/ml	100
15) 2,6-Dinitrotoluene	3.702	165	49447	942.430	ng/ml	100
16) Acenaphthylene	3.739	152	358588	1048.481	ng/ml	100
18) Acenaphthene	3.836	153	248371	948.477	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.928	165	67326	946.468	ng/ml	100
20) Fluorene	4.125	166	279797	964.232	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.155	198	34036	972.101	ng/ml	100
24) Hexachlorobenzene	4.439	284	99817	947.553	ng/ml	100
25) Pentachlorophenol	4.551	266	46912	967.698	ng/ml	100
26) Phenanthrene	4.664	178	428065	959.532	ng/ml	100
27) Anthracene	4.692	178	430465	1000.129	ng/ml	100
28) Fluoranthene	5.340	202	482730	1001.450	ng/ml	100
29) Pyrene	5.467	202	508009	1011.560	ng/ml	100
32) Benzo[a]anthracene	6.175	228	483654	989.451	ng/ml	100
33) 3,3'-Dichlorobenzene	6.163	252	167726	930.993	ng/ml	100
34) Chrysene	6.197	228	457700	975.194	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.205	149	285147	972.697	ng/ml	100
37) Benzo[b]fluoranthene	6.965	252	424786	988.356	ng/ml	100
38) Benzo[k]fluoranthene	6.988	252	444754	1098.350	ng/ml	100
39) Benzo[a]pyrene	7.256	252	375329	1091.955	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.465	276	337867	1049.005	ng/ml	100
41) Dibenzo[a,h]anthracene	8.503	278	331153M6	1095.557	ng/ml	
42) Benzo[g,h,i]perylene	8.792	276	348255M2	1057.800	ng/ml	

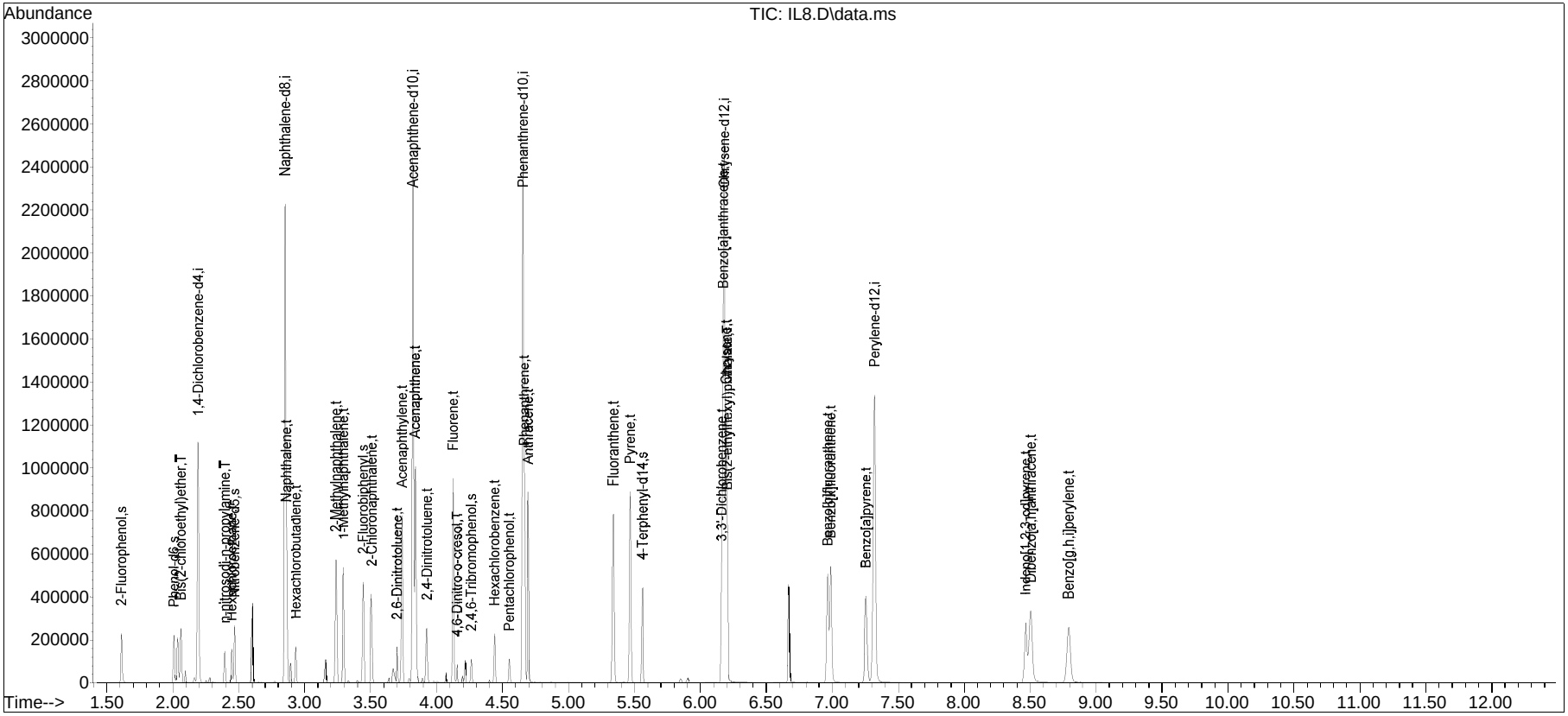
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL8.D
Acq On : 28 Jul 2024 05:23 pm
Operator : SV120:jjw
Sample : IL8,32,,1000.0ng/mL lot# 10888
Misc : WG1955532,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 05 16:14:01 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

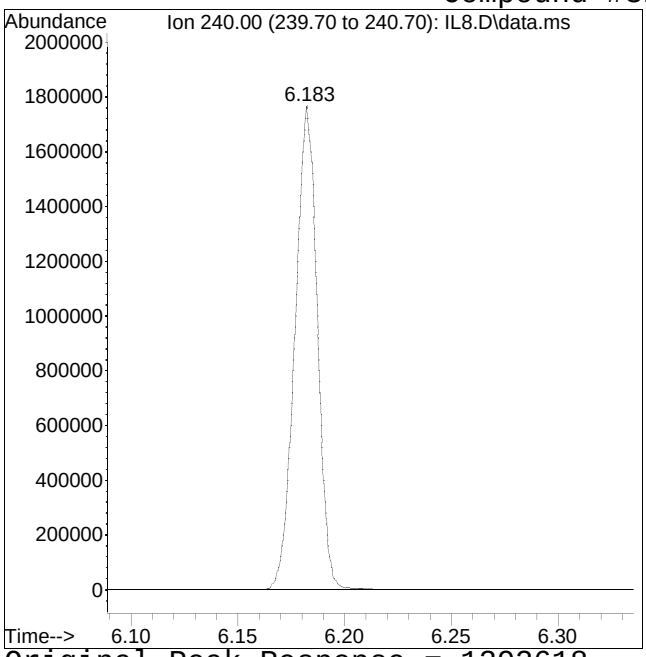
Sub List : Default - All compounds listedical\IL8.D•



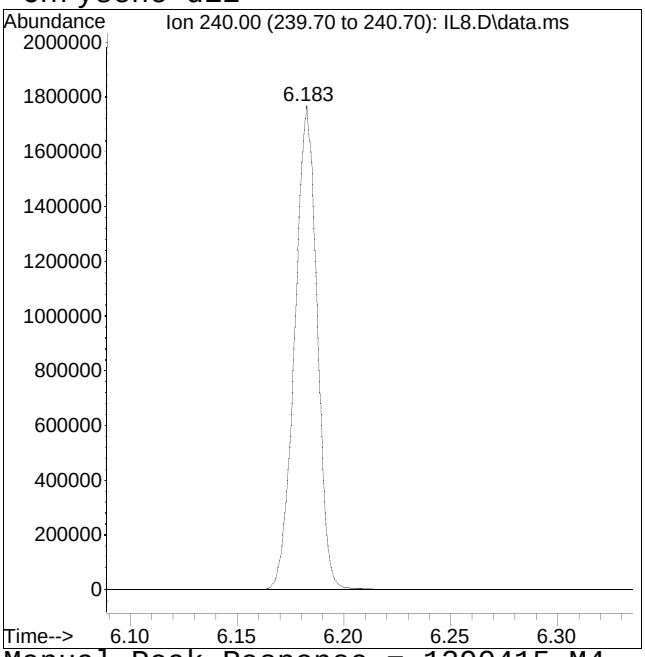
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #31: Chrysene-d12



Original Peak Response = 1292618

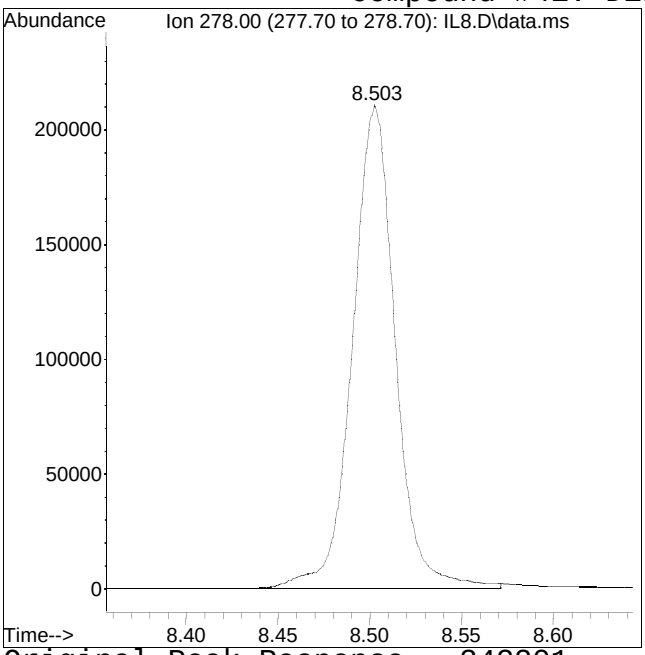


Manual Peak Response = 1290415 M4
M4 = Poor automated baseline construction.

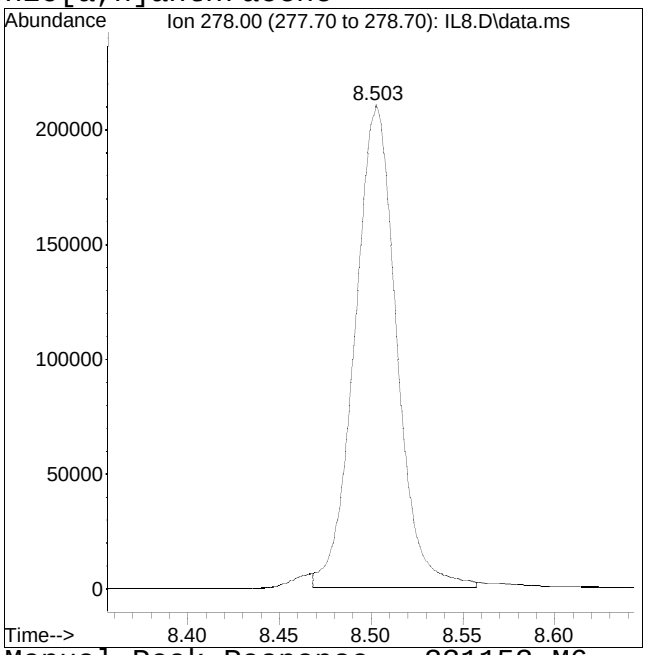
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 342201



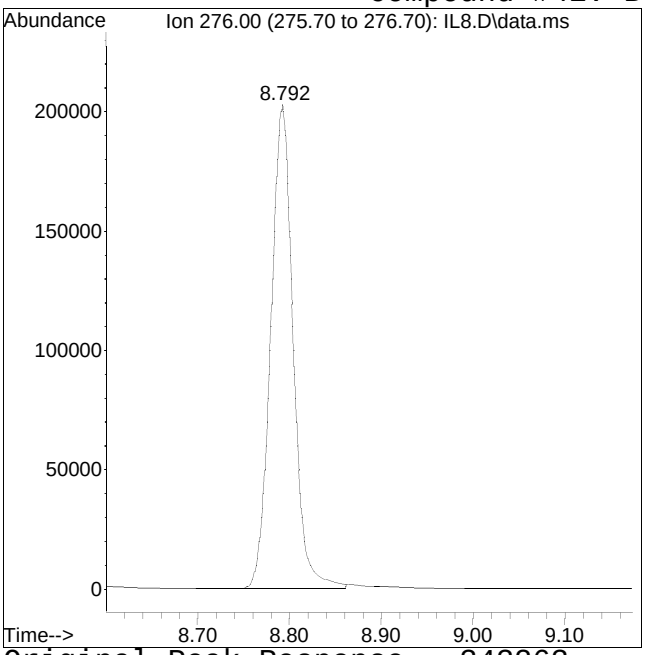
Manual Peak Response = 331153 M6

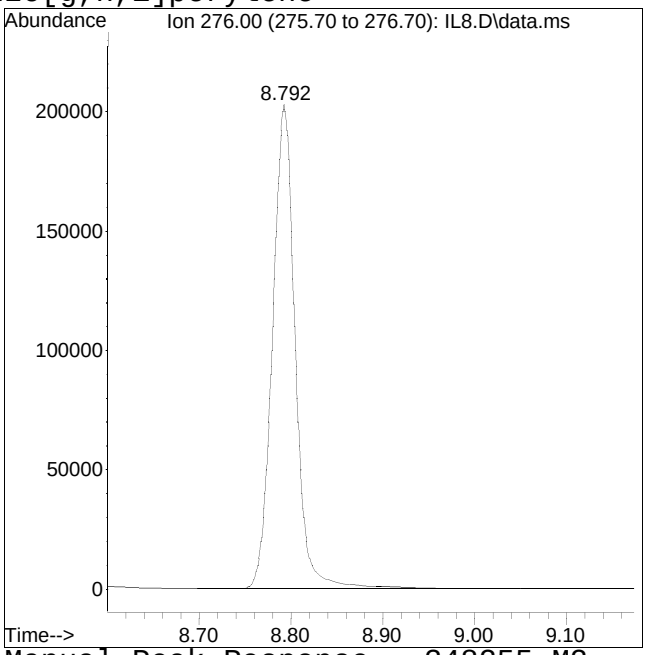
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL8.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:23 pm Instrument : SV120
Sample : IL8,32,,1000.0ng/mL lot# 1Quant Date : 8/5/2024 4:15 pm

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 343263 Manual Peak Response = 348255 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	324986	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 97.55%			
8) Naphthalene-d8	2.850	136	1243780	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 96.69%			
17) Acenaphthene-d10	3.820	164	691333	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 95.21%			
22) Phenanthrene-d10	4.652	188	1463300	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 97.40%			
31) Chrysene-d12	6.182	240	1270880	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 98.49%			
36) Perylene-d12	7.318	264	1234542	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.04%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	48671	504.201	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.21%			
3) Phenol-d6	2.007	99	58940	501.944	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.10%			
7) Nitrobenzene-d5	2.471	82	48754	510.148	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 51.01%			
13) 2-Fluorobiphenyl	3.444	172	132919	495.912	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 49.59%			
21) 2,4,6-Tribromophenol	4.262	330	20538	539.607	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 26.98%			
30) 4-Terphenyl-d14	5.563	244	154520	504.221	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 25.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	52584	492.160	ng/ml	99
5) n-nitrosodi-n-propylamine	2.390	70	35168	497.464	ng/ml	99
6) Hexachloroethane	2.448	117	22895	502.195	ng/ml	100
9) Naphthalene	2.860	128	171422	479.960	ng/ml#	100
10) Hexachlorobutadiene	2.935	225	30539	497.781	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	113541	500.836	ng/ml	100
12) 1-Methylnaphthalene	3.292	142	105471	498.538	ng/ml	99
14) 2-Chloronaphthalene	3.507	162	115313	500.619	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	22206	449.785	ng/ml	99
16) Acenaphthylene	3.737	152	172763	522.454	ng/ml	100
18) Acenaphthene	3.837	153	122311	490.600	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	29946	454.979	ng/ml	95
20) Fluorene	4.126	166	137298	496.980	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.154	198	14765	459.324	ng/ml	100
24) Hexachlorobenzene	4.441	284	50420	491.413	ng/ml	99
25) Pentachlorophenol	4.552	266	18571	488.892	ng/ml	100
26) Phenanthrene	4.666	178	216925	499.234	ng/ml	100
27) Anthracene	4.694	178	212339	506.516	ng/ml	100
28) Fluoranthene	5.336	202	240988	513.293	ng/ml	100
29) Pyrene	5.467	202	257393	526.213	ng/ml	100
32) Benzo[a]anthracene	6.175	228	237728	490.115	ng/ml	100
33) 3,3'-Dichlorobenzene	6.163	252	77499	449.367	ng/ml	99
34) Chrysene	6.197	228	240961	521.293	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.205	149	125321	457.232	ng/ml	99
37) Benzo[b]fluoranthene	6.963	252	222557	534.072	ng/ml	100
38) Benzo[k]fluoranthene	6.986	252	205609	523.695	ng/ml	100
39) Benzo[a]pyrene	7.254	252	180472	541.524	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.468	276	159815	511.759	ng/ml	100
41) Dibenzo[a,h]anthracene	8.500	278	156568M6	534.226	ng/ml	
42) Benzo[g,h,i]perylene	8.790	276	166259	522.159	ng/ml	99

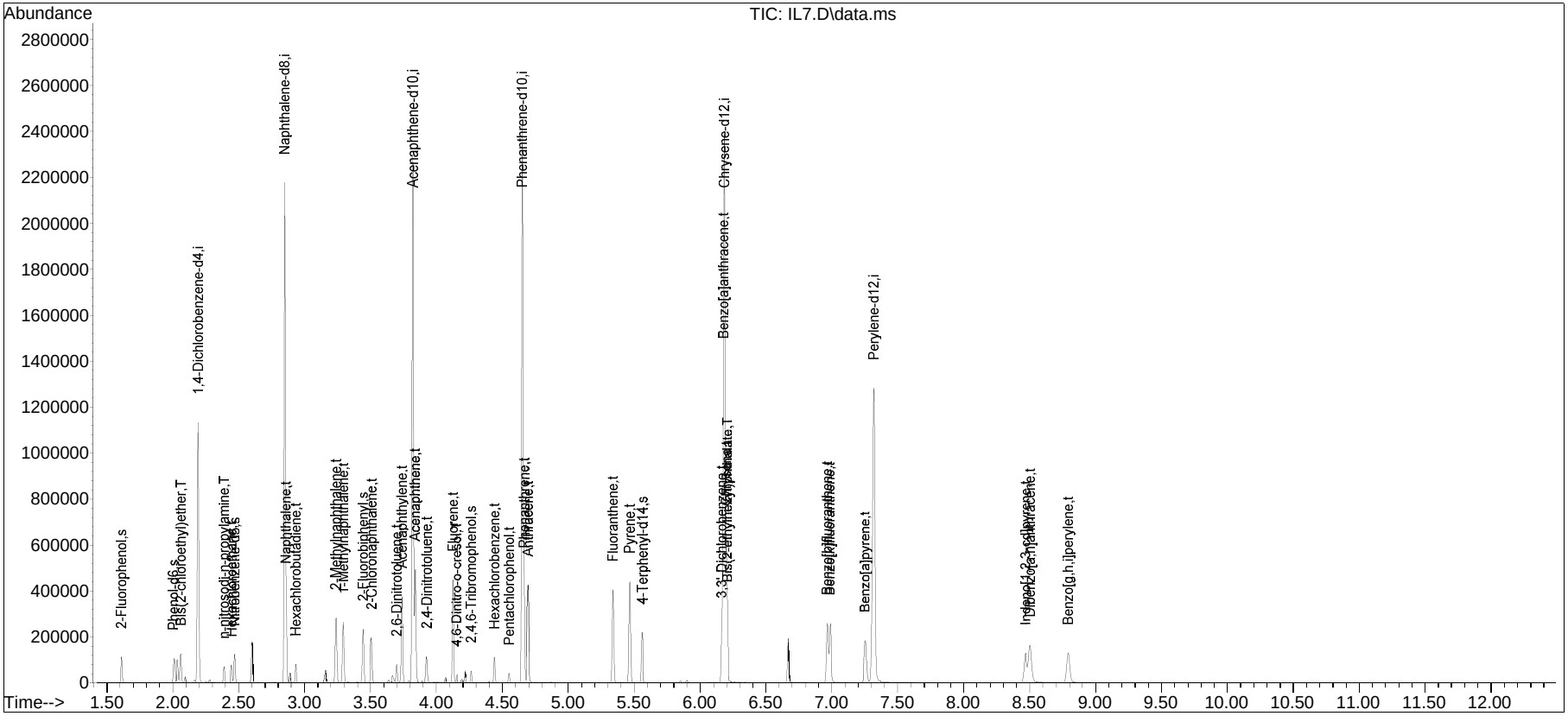
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL7.D
Acq On : 28 Jul 2024 05:39 pm
Operator : SV120:jjw
Sample : IL7,32,,500.0ng/mL lot# 10889
Misc : WG1955532,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 11:53:26 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:40 2024
Response via : Initial Calibration

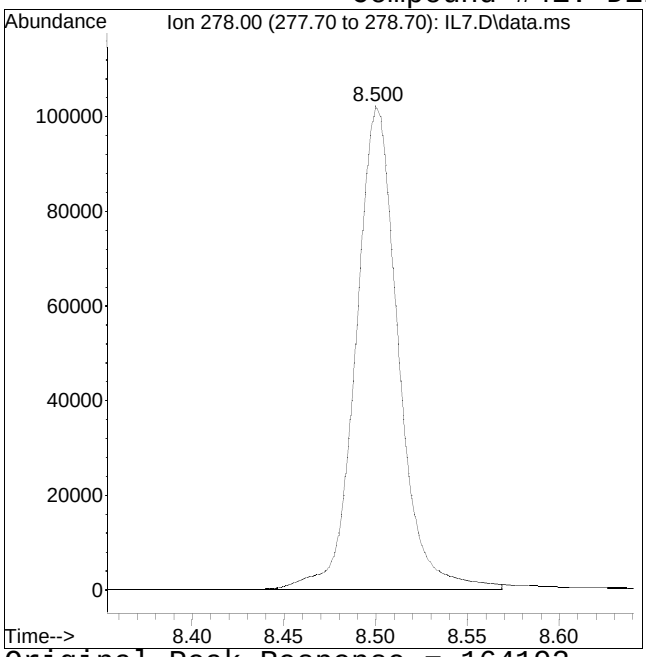
Sub List : Default - All compounds listedical\IL8.D•



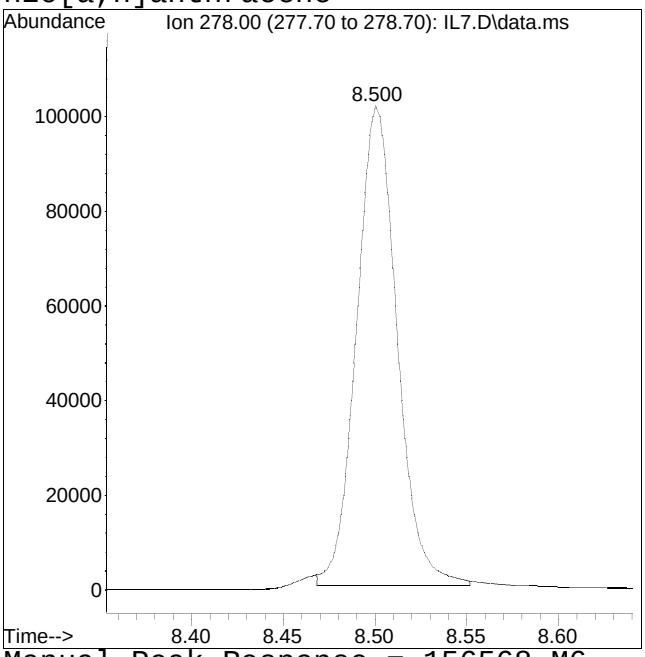
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL7.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:39 pm Instrument : SV120
Sample : IL7,32,,500.0ng/mL lot# 10Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 164192



Manual Peak Response = 156568 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.193	152	338675	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 101.66%			
8) Naphthalene-d8	2.851	136	1284580	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 99.86%			
17) Acenaphthene-d10	3.821	164	706682	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 97.32%			
22) Phenanthrene-d10	4.653	188	1504560	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 100.15%			
31) Chrysene-d12	6.181	240	1323134	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 102.54%			
36) Perylene-d12	7.321	264	1243909	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 97.77%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	10219	101.584	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.08%#			
3) Phenol-d6	2.007	99	12198	99.682	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.98%#			
7) Nitrobenzene-d5	2.470	82	9914	99.544	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 9.95%#			
13) 2-Fluorobiphenyl	3.446	172	28226	101.965	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.20%#			
21) 2,4,6-Tribromophenol	4.262	330	3622	93.096	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.65%#			
30) 4-Terphenyl-d14	5.560	244	31416	99.704	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 4.99%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	10937	98.227	ng/ml	98
5) n-nitrosodi-n-propylamine	2.392	70	7075	96.033	ng/ml	98
6) Hexachloroethane	2.448	117	4795	100.926	ng/ml	100
9) Naphthalene	2.861	128	36212	98.169	ng/ml#	100
10) Hexachlorobutadiene	2.933	225	6494	102.489	ng/ml	99
11) 2-Methylnaphthalene	3.239	142	23565	100.645	ng/ml	99
12) 1-Methylnaphthalene	3.290	142	21986	100.622	ng/ml	99
14) 2-Chloronaphthalene	3.505	162	24023	100.981	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	3772	92.775	ng/ml	95
16) Acenaphthylene	3.738	152	33711	98.708	ng/ml	99
18) Acenaphthene	3.838	153	25498	100.053	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.927	165	4830	92.022	ng/ml#	85
20) Fluorene	4.125	166	27543	97.532	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.155	198	2073	89.468	ng/ml	100
24) Hexachlorobenzene	4.441	284	10511	99.635	ng/ml	99
25) Pentachlorophenol	4.550	266	2324	73.620	ng/ml	100
26) Phenanthrene	4.664	178	45543	101.939	ng/ml	96
27) Anthracene	4.694	178	42834	99.375	ng/ml	99
28) Fluoranthene	5.337	202	48470	100.408	ng/ml	100
29) Pyrene	5.465	202	50624	100.657	ng/ml	100
32) Benzo[a]anthracene	6.174	228	50032	93.183	ng/ml	98
33) 3,3'-Dichlorobenzene	6.161	252	13107	92.851	ng/ml#	98
34) Chrysene	6.196	228	49175	102.183	ng/ml	100
35) Bis(2-ethylhexyl)phtha...	6.203	149	19130	88.799	ng/ml	98
37) Benzo[b]fluoranthene	6.963	252	41970	99.957	ng/ml	99
38) Benzo[k]fluoranthene	6.985	252	37342	94.395	ng/ml	100
39) Benzo[a]pyrene	7.253	252	31881	94.942	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.463	276	28650	91.052	ng/ml	99
41) Dibenzo[a,h]anthracene	8.501	278	27990M6	94.786	ng/ml	
42) Benzo[g,h,i]perylene	8.787	276	30866	96.209	ng/ml	99

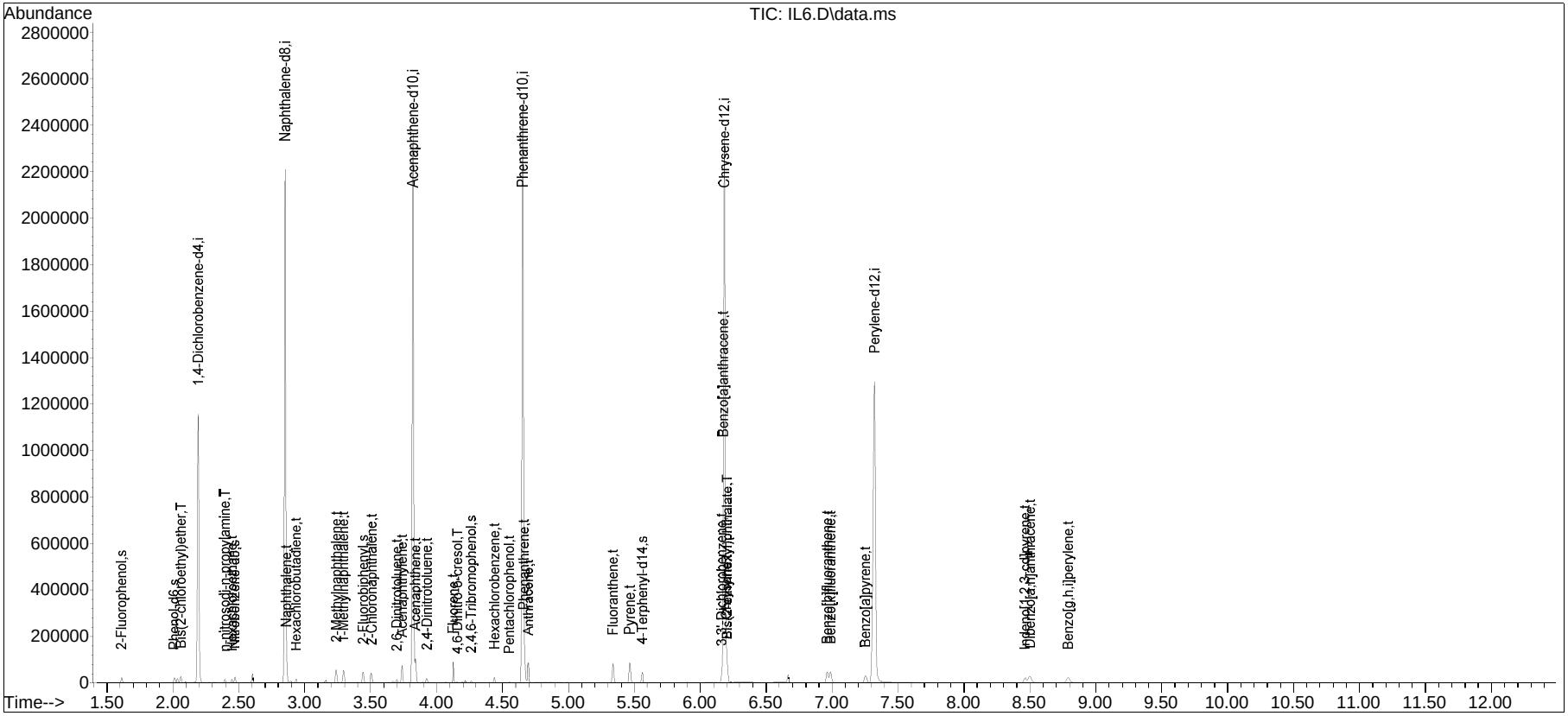
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL6.D
Acq On : 28 Jul 2024 05:55 pm
Operator : SV120:jjw
Sample : IL6,32,,100.0ng/mL lot# 10899
Misc : WG1955532,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 11:53:18 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:32 2024
Response via : Initial Calibration

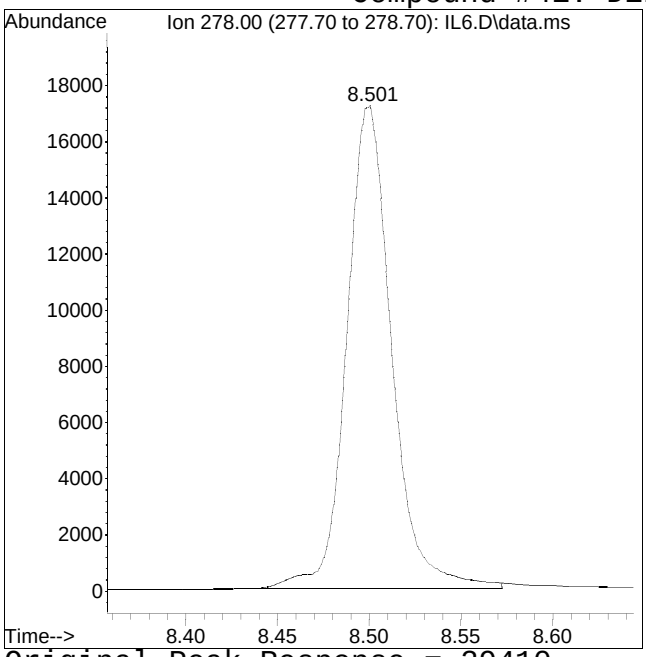
Sub List : Default - All compounds listedical\IL8.D•



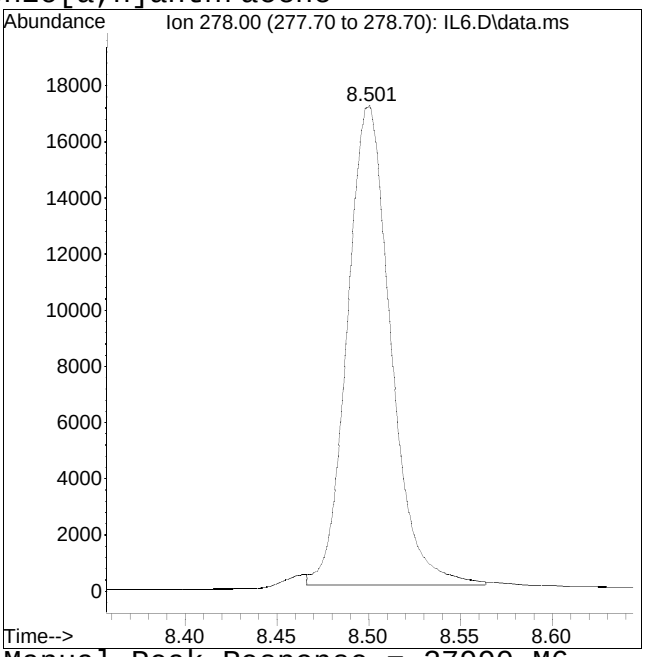
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL6.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 5:55 pm Instrument : SV120
Sample : IL6,32,,100.0ng/mL lot# 10Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 29410



Manual Peak Response = 27990 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	329744	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 98.98%			
8) Naphthalene-d8	2.850	136	1246552	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 96.90%			
17) Acenaphthene-d10	3.820	164	683171	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 94.08%			
22) Phenanthrene-d10	4.652	188	1443620	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 96.09%			
31) Chrysene-d12	6.180	240	1283010	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 99.43%			
36) Perylene-d12	7.315	264	1186606	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 93.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	3851	39.318	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.97%#			
3) Phenol-d6	2.010	99	4594	38.559	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.93%#			
7) Nitrobenzene-d5	2.471	82	3686	38.013	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.80%#			
13) 2-Fluorobiphenyl	3.444	172	10651	39.650	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.96%#			
21) 2,4,6-Tribromophenol	4.262	330	1219	32.410	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.62%#			
30) 4-Terphenyl-d14	5.562	244	11759	38.894	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 1.94%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	4219	38.918	ng/ml	100
5) n-nitrosodi-n-propylamine	2.393	70	2636	36.749	ng/ml	99
6) Hexachloroethane	2.449	117	1816	39.259	ng/ml	99
9) Naphthalene	2.862	128	13843	38.672	ng/ml#	98
10) Hexachlorobutadiene	2.935	225	2490	40.496	ng/ml	100
11) 2-Methylnaphthalene	3.237	142	8922	39.268	ng/ml	99
12) 1-Methylnaphthalene	3.292	142	8401	39.621	ng/ml	99
14) 2-Chloronaphthalene	3.507	162	9045	39.181	ng/ml	100
15) 2,6-Dinitrotoluene	3.701	165	1318	47.804	ng/ml	96
16) Acenaphthylene	3.737	152	12500	37.717	ng/ml	100
18) Acenaphthene	3.837	153	9777	39.685	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.926	165	1628	47.731	ng/ml#	79
20) Fluorene	4.126	166	10216	37.421	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.156	198	578	47.181	ng/ml	93
24) Hexachlorobenzene	4.441	284	3897	38.499	ng/ml	98
25) Pentachlorophenol	4.552	266	529	24.405	ng/ml	96
26) Phenanthrene	4.666	178	17679	41.241	ng/ml#	89
27) Anthracene	4.694	178	16036	38.774	ng/ml	99
28) Fluoranthene	5.339	202	18085	39.045	ng/ml	99
29) Pyrene	5.467	202	18773	38.903	ng/ml	100
32) Benzo[a]anthracene	6.173	228	21191	36.542	ng/ml	95
33) 3,3'-Dichlorobenzene	6.161	252	4567	48.551	ng/ml#	98
34) Chrysene	6.193	228	18442	39.520	ng/ml	99
35) Bis(2-ethylhexyl)phtha...	6.203	149	6677	47.532	ng/ml	99
37) Benzo[b]fluoranthene	6.960	252	14930	37.275	ng/ml	100
38) Benzo[k]fluoranthene	6.983	252	13559	35.931	ng/ml	99
39) Benzo[a]pyrene	7.251	252	11260	35.152	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.463	276	10362	34.522	ng/ml	98
41) Dibenzo[a,h]anthracene	8.498	278	9589M6	34.040	ng/ml	
42) Benzo[g,h,i]perylene	8.787	276	10892	35.590	ng/ml	100

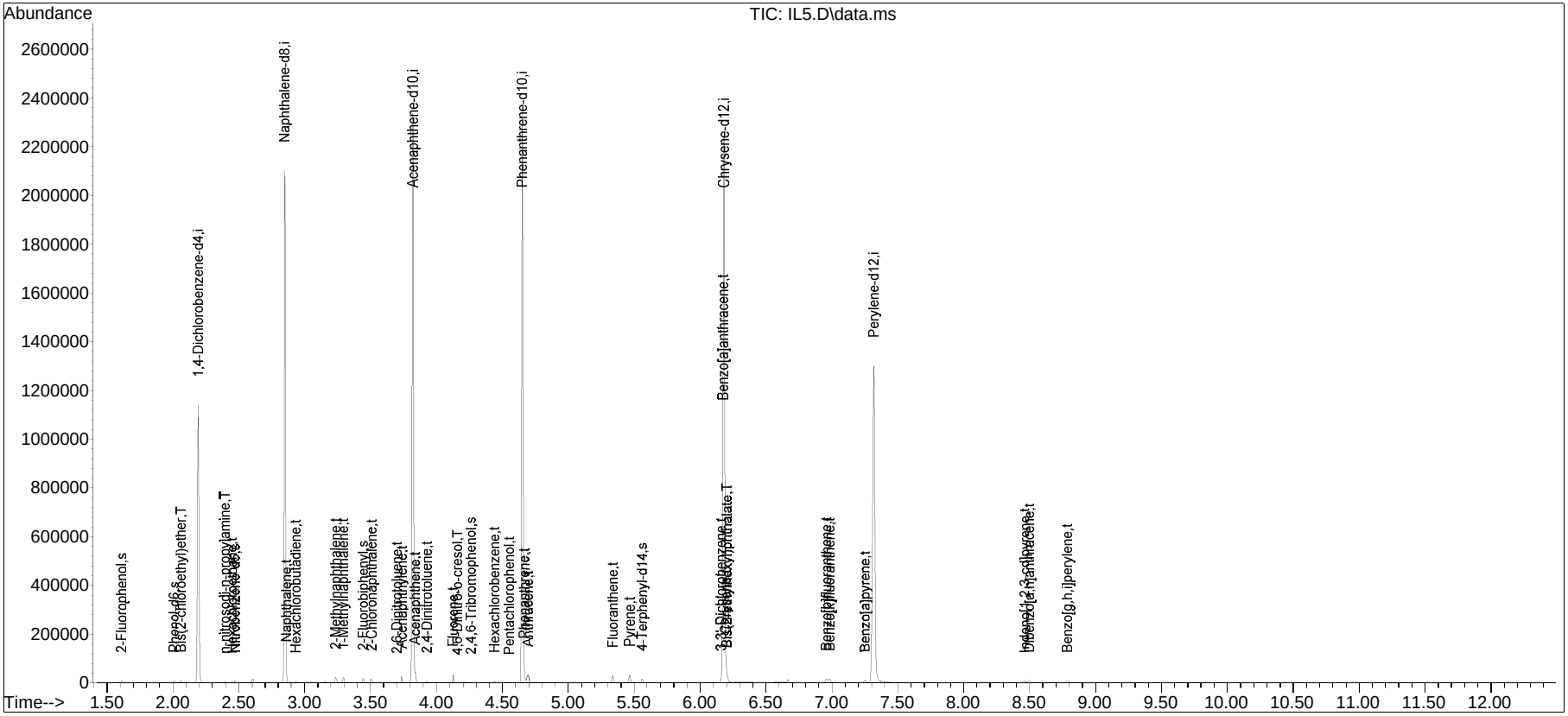
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL5.D
Acq On : 28 Jul 2024 06:11 pm
Operator : SV120:jjw
Sample : IL5,32,,40.0ng/mL lot# 10891
Misc : WG1955532,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 11:53:10 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:24 2024
Response via : Initial Calibration

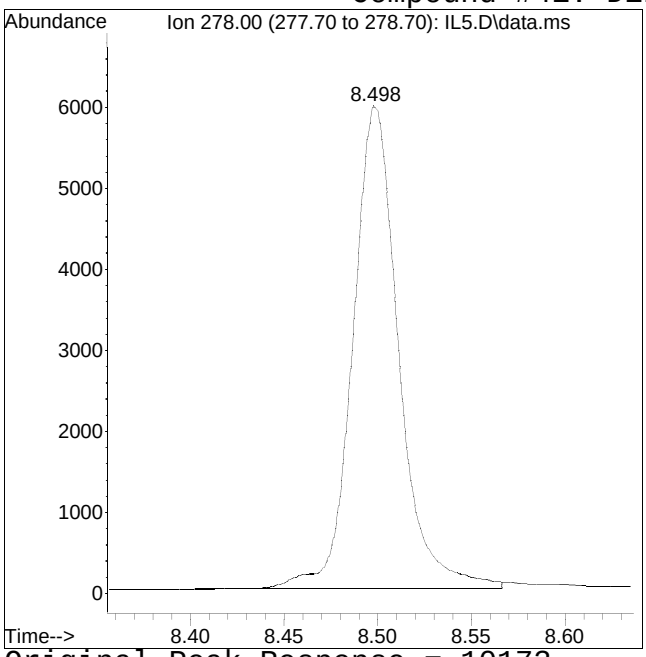
Sub List : Default - All compounds listedical\IL8.D•



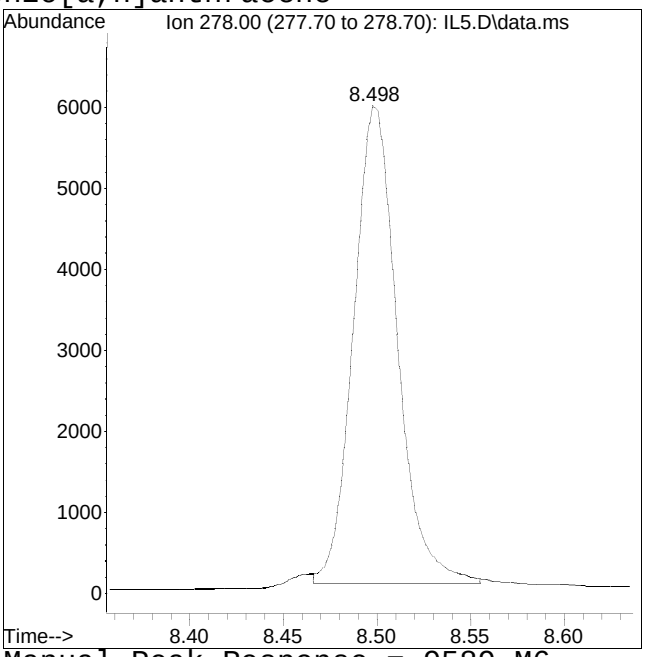
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL5.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 6:11 pm Instrument : SV120
Sample : IL5,32,,40.0ng/mL lot# 108Quant Date : 7/29/2024 11:54 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 10173



Manual Peak Response = 9589 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	319365	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 95.87%			
8) Naphthalene-d8	2.852	136	1195241	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 92.91%			
17) Acenaphthene-d10	3.820	164	653024	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 89.93%			
22) Phenanthrene-d10	4.654	188	1376894	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 91.65%			
31) Chrysene-d12	6.181	240	1211639	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 93.90%			
36) Perylene-d12	7.318	264	1105349	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 86.88%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.614	112	942	9.930	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
3) Phenol-d6	2.010	99	1127	9.767	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.49%#			
7) Nitrobenzene-d5	2.470	82	890	9.477	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.95%#			
13) 2-Fluorobiphenyl	3.444	172	2602	10.102	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.01%#			
21) 2,4,6-Tribromophenol	4.261	330	275	7.649	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.38%#			
30) 4-Terphenyl-d14	5.560	244	2901	10.060	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 0.50%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.059	93	1046	9.962	ng/ml	99
5) n-nitrosodi-n-propylamine	2.393	70	654	9.414	ng/ml	100
6) Hexachloroethane	2.448	117	451	10.067	ng/ml	99
9) Naphthalene	2.862	128	3525	10.270	ng/ml#	92
10) Hexachlorobutadiene	2.935	225	622	10.550	ng/ml	98
11) 2-Methylnaphthalene	3.237	142	2202	10.108	ng/ml	99
12) 1-Methylnaphthalene	3.291	142	2052	10.093	ng/ml	99
14) 2-Chloronaphthalene	3.506	162	2224	10.047	ng/ml	99
15) 2,6-Dinitrotoluene	3.703	165	316	28.827	ng/ml	92
16) Acenaphthylene	3.739	152	3014	9.485	ng/ml	99
18) Acenaphthene	3.836	153	2503	10.629	ng/ml	88

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.928	165	375	29.736	ng/ml#	79
20) Fluorene	4.126	166	2525	9.676	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.158	198	109M7	33.248	ng/ml	
24) Hexachlorobenzene	4.440	284	961	9.954	ng/ml	99
25) Pentachlorophenol	4.554	266	241	18.433	ng/ml	96
26) Phenanthrene	4.665	178	4340M6	10.615	ng/ml	
27) Anthracene	4.693	178	4000	10.140	ng/ml	100
28) Fluoranthene	5.337	202	4503	10.193	ng/ml	100
29) Pyrene	5.468	202	4563	9.914	ng/ml	100
32) Benzo[a]anthracene	6.178	228	8098	10.389	ng/ml#	83
33) 3,3'-Dichlorobenzene	6.161	252	998	29.453	ng/ml#	1
34) Chrysene	6.196	228	4380	9.939	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.205	149	1622	30.248	ng/ml	100
37) Benzo[b]fluoranthene	6.963	252	3387	9.078	ng/ml	96
38) Benzo[k]fluoranthene	6.986	252	3376	9.604	ng/ml	96
39) Benzo[a]pyrene	7.254	252	2622	8.787	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.466	276	2456	8.784	ng/ml	99
41) Dibenzo[a,h]anthracene	8.503	278	2209M6	8.418	ng/ml	
42) Benzo[g,h,i]perylene	8.790	276	2558	8.973	ng/ml	100

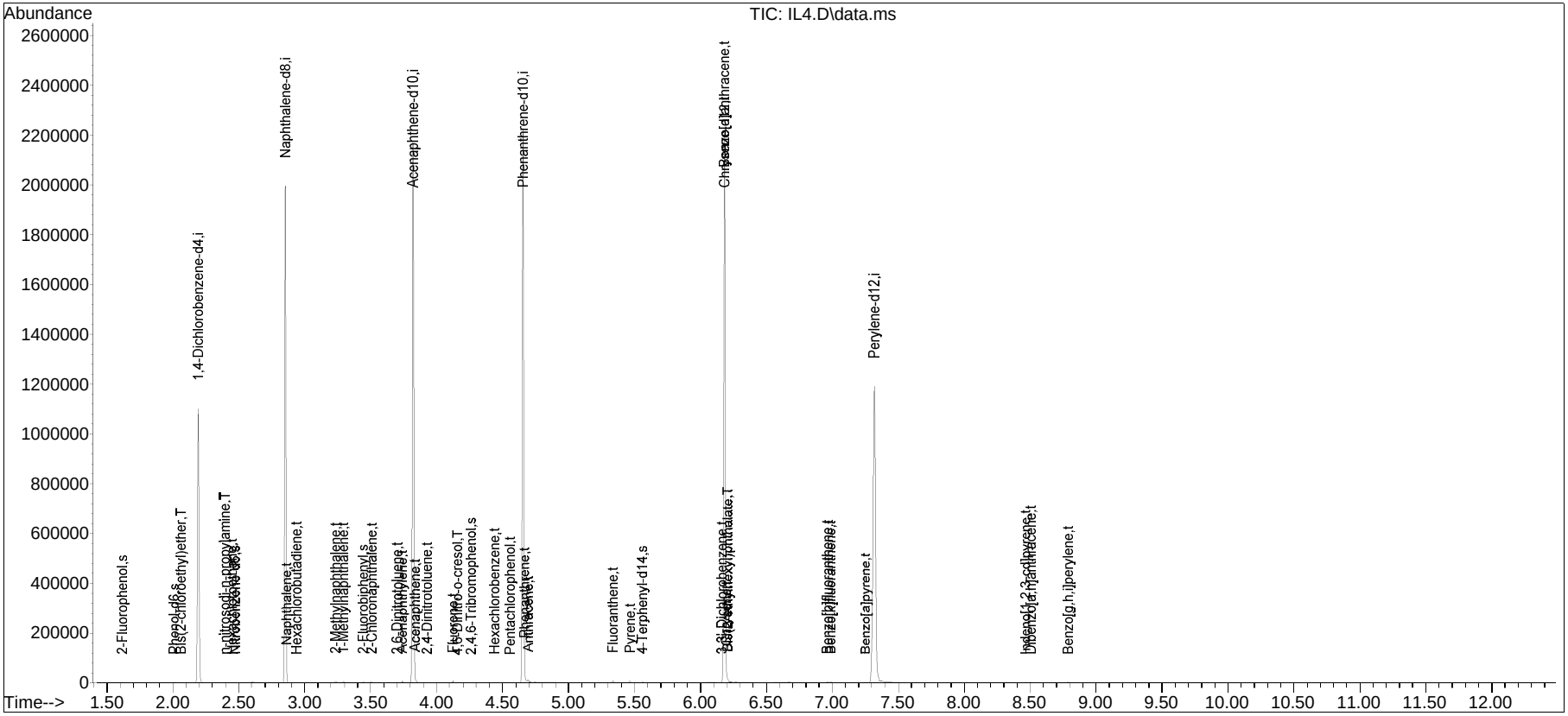
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL4.D
Acq On : 28 Jul 2024 06:27 pm
Operator : SV120:jjw
Sample : IL4,32,,10.0ng/mL lot#10892
Misc : WG1955532,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 15:30:05 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 12:00:29 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

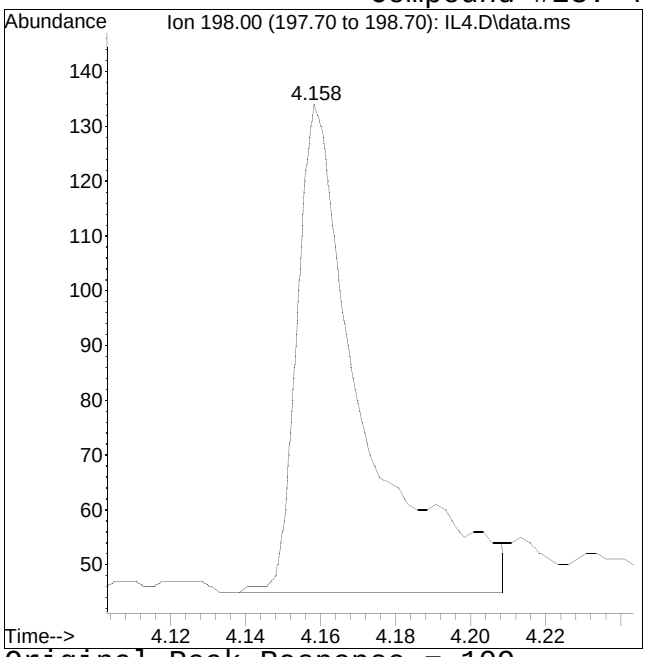


Manual Integration Report

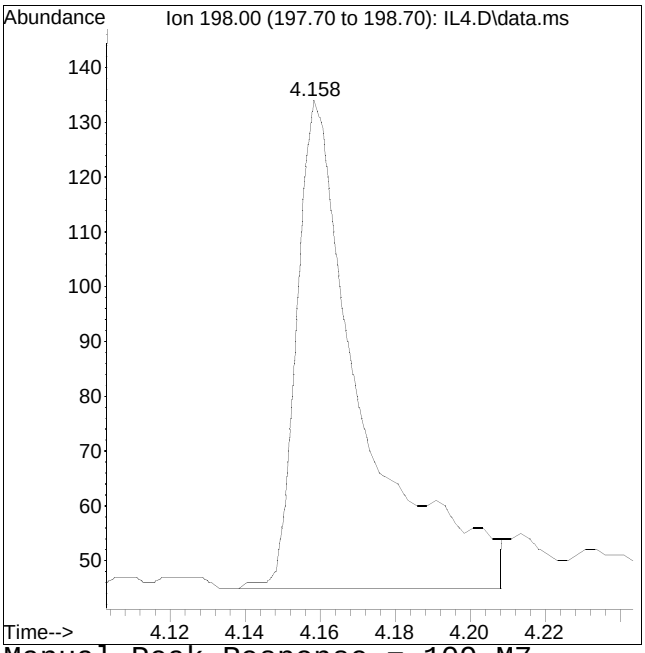
Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089

Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #23: 4,6-Dinitro-o-cresol



Original Peak Response = 109



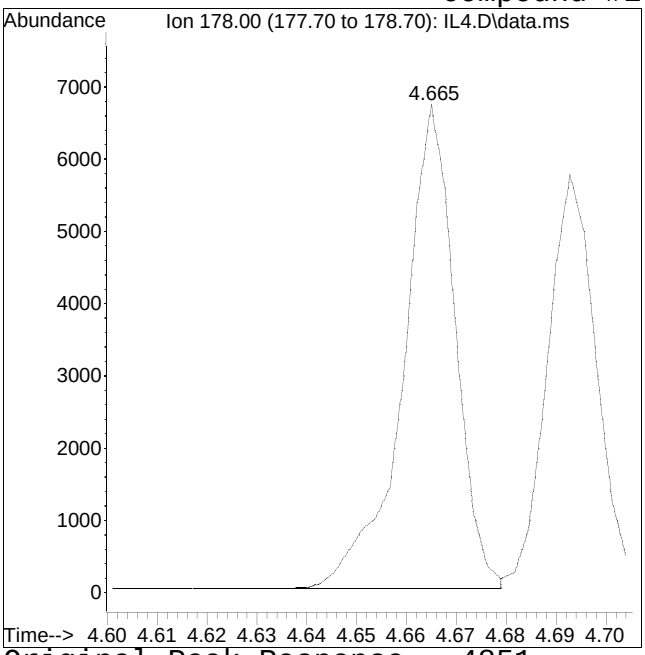
Manual Peak Response = 109 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

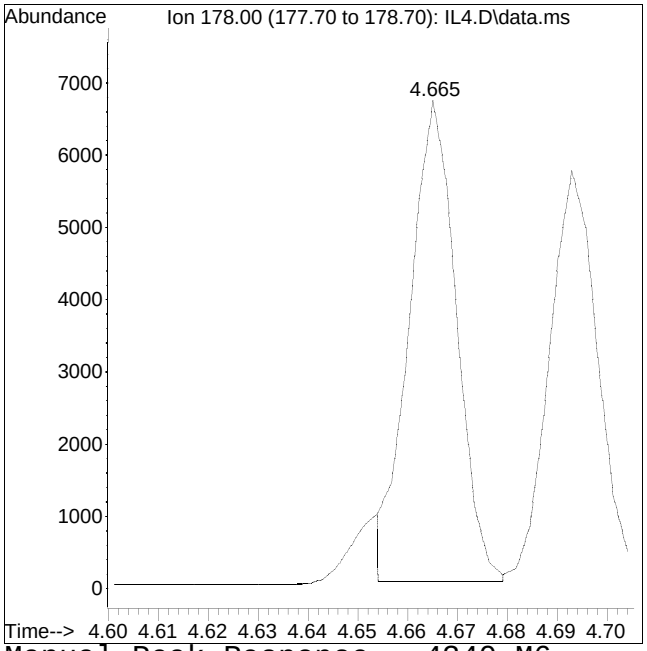
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #26: Phenanthrene



Original Peak Response = 4851



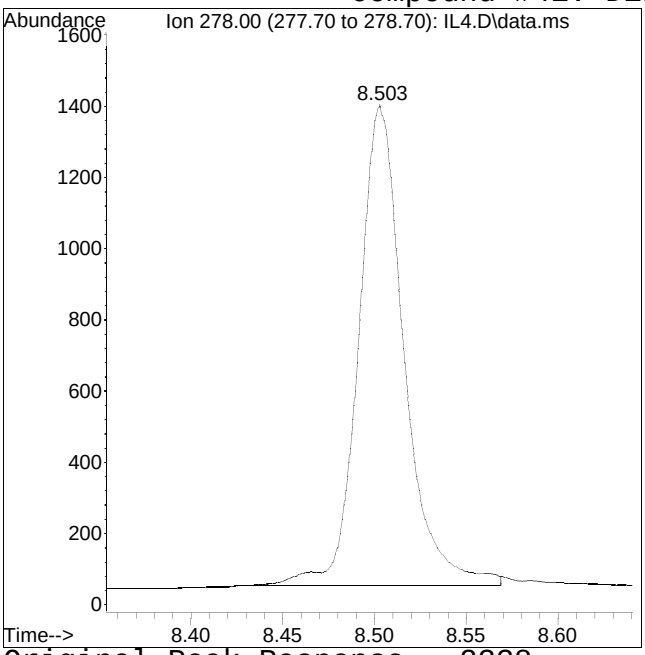
Manual Peak Response = 4340 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

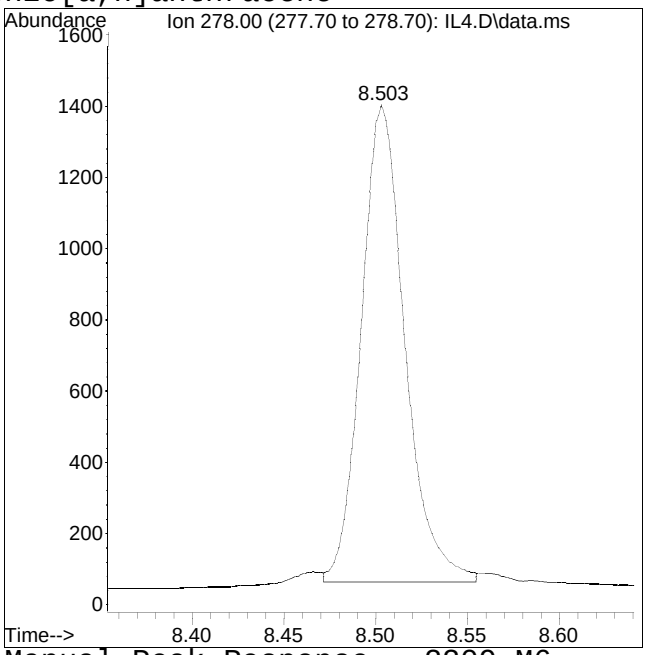
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL4.D
Date Inj'd : 7/28/2024 6:27 pm
Sample : IL4,32,,10.0ng/mL lot#1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 12:00 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2338



Manual Peak Response = 2209 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	340562	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery	= 102.23%	
8) Naphthalene-d8	2.850	136	1281411	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery	= 99.61%	
17) Acenaphthene-d10	3.820	164	695923	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery	= 95.84%	
22) Phenanthrene-d10	4.655	188	1467517	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery	= 97.68%	
31) Chrysene-d12	6.182	240	1280040	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery	= 99.20%	
36) Perylene-d12	7.320	264	1162330	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery	= 91.36%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	507	5.012 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.25%#	
3) Phenol-d6	2.010	99	593	4.819 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.24%#	
7) Nitrobenzene-d5	2.471	82	478	4.773 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.48%#	
13) 2-Fluorobiphenyl	3.444	172	1393	5.045 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.50%#	
21) 2,4,6-Tribromophenol	4.262	330	148	3.863 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.19%#	
30) 4-Terphenyl-d14	5.561	244	1570	5.108 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.26%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.059	93	576M6	5.145 ng/ml	
5) n-nitrosodi-n-propylamine	2.393	70	358	4.832 ng/ml	98
6) Hexachloroethane	2.449	117	250	5.233 ng/ml	97
9) Naphthalene	2.862	128	1910	5.191 ng/ml#	84
10) Hexachlorobutadiene	2.935	225	333	5.268 ng/ml	94
11) 2-Methylnaphthalene	3.237	142	1168	5.001 ng/ml	96
12) 1-Methylnaphthalene	3.292	142	1086	4.983 ng/ml	97
14) 2-Chloronaphthalene	3.507	162	1193	5.027 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.737	152	1628	4.779 ng/ml	99
18) Acenaphthene	3.837	153	1274M6	5.076 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.127	166	1367	4.916	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.441	284	507	4.927	ng/ml	98
25) Pentachlorophenol	4.555	266	137M6	12.814	ng/ml	
26) Phenanthrene	4.666	178	2279M6	5.230	ng/ml	
27) Anthracene	4.694	178	2178	5.180	ng/ml	100
28) Fluoranthene	5.338	202	2437	5.176	ng/ml	100
29) Pyrene	5.465	202	2493	5.082	ng/ml	99
32) Benzo[a]anthracene	6.179	228	6289M4	5.681	ng/ml	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	6.194	228	2331	5.007	ng/ml	96
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	6.962	252	1878	4.787	ng/ml	100
38) Benzo[k]fluoranthene	6.984	252	1716	4.642	ng/ml	100
39) Benzo[a]pyrene	7.256	252	1367	4.357	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.465	276	1275	4.336	ng/ml	99
41) Dibenzo[a,h]anthracene	8.505	278	1128	4.088	ng/ml	100
42) Benzo[g,h,i]perylene	8.789	276	1327	4.427	ng/ml	100

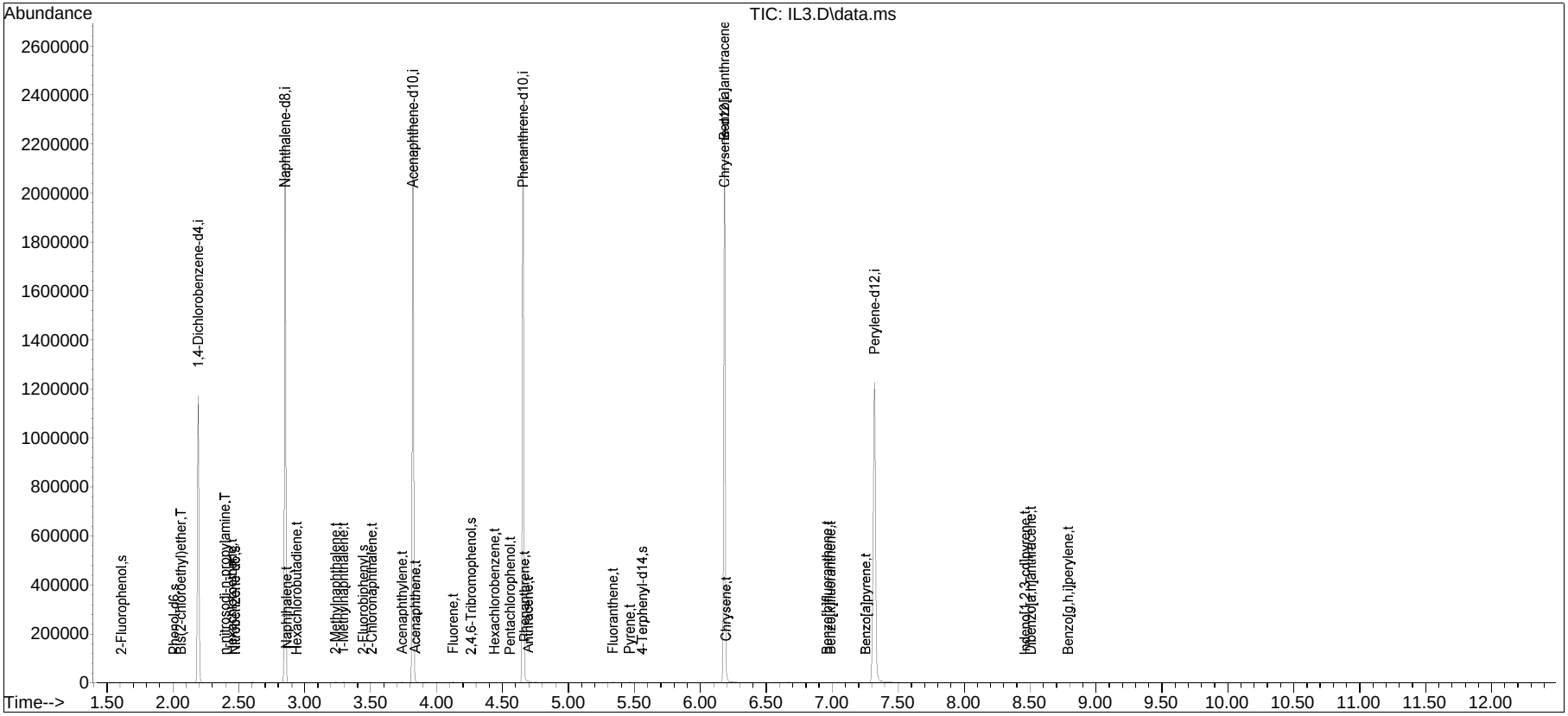
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL3.D
Acq On : 28 Jul 2024 06:43 pm
Operator : SV120:jjw
Sample : IL3,32,,5.0ng/mL lot# 10893
Misc : WG1955532,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 15:26:30 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:54:08 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

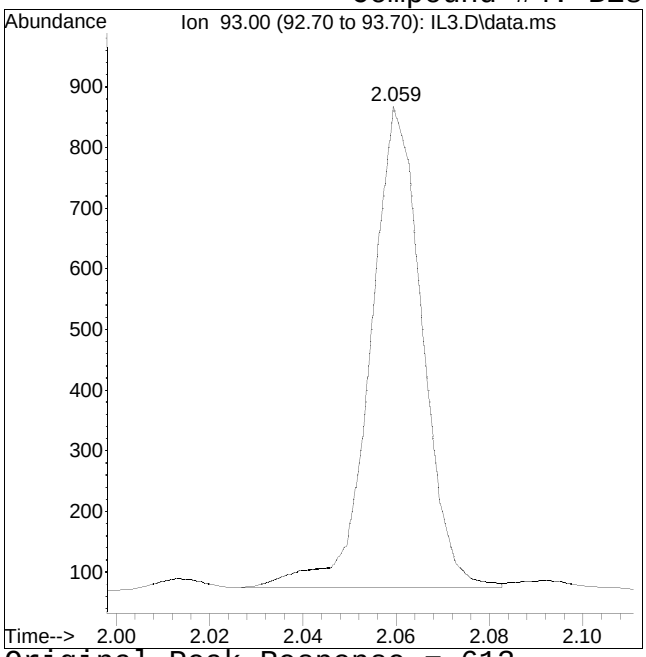


Manual Integration Report

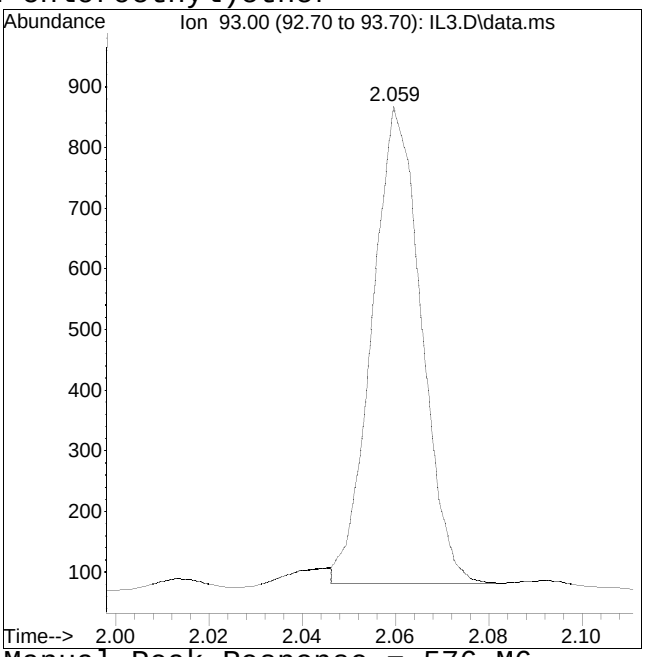
Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089

Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #4: Bis(2-chloroethyl)ether



Original Peak Response = 613



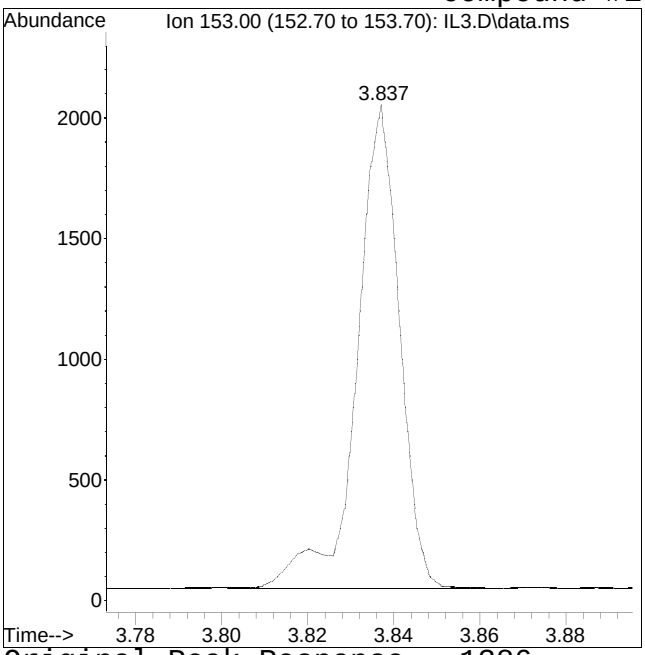
Manual Peak Response = 576 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

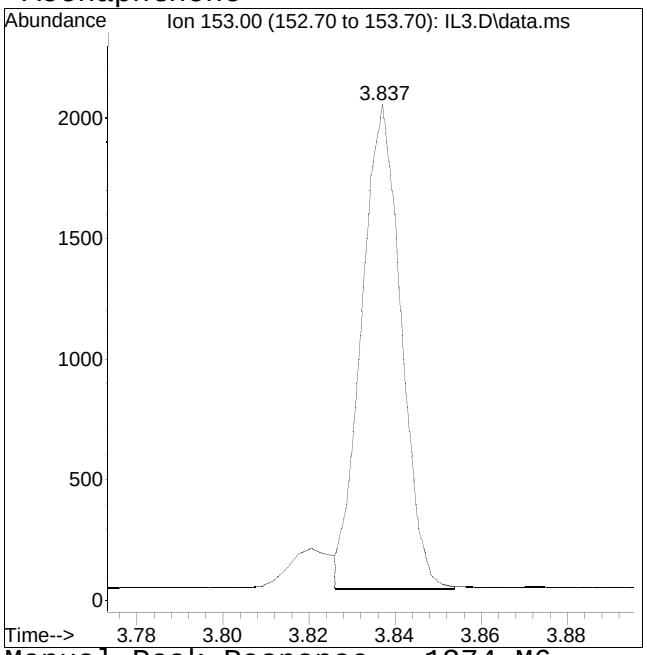
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #18: Acenaphthene



Original Peak Response = 1386



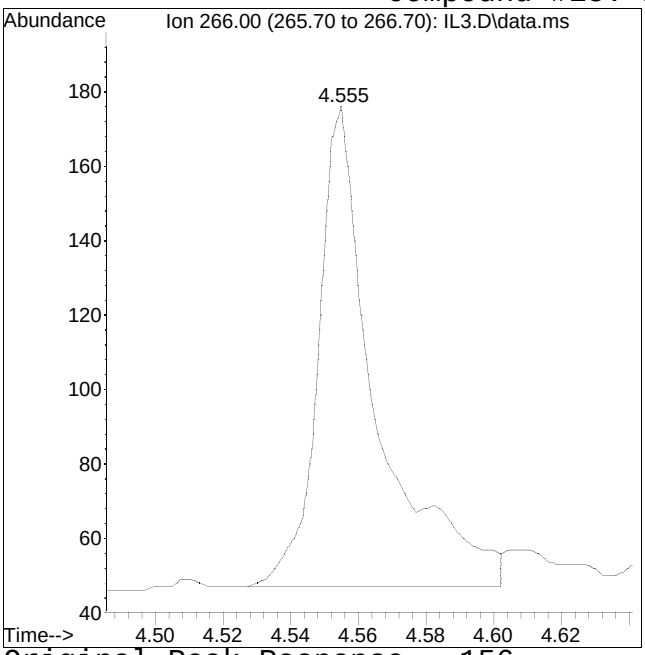
Manual Peak Response = 1274 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

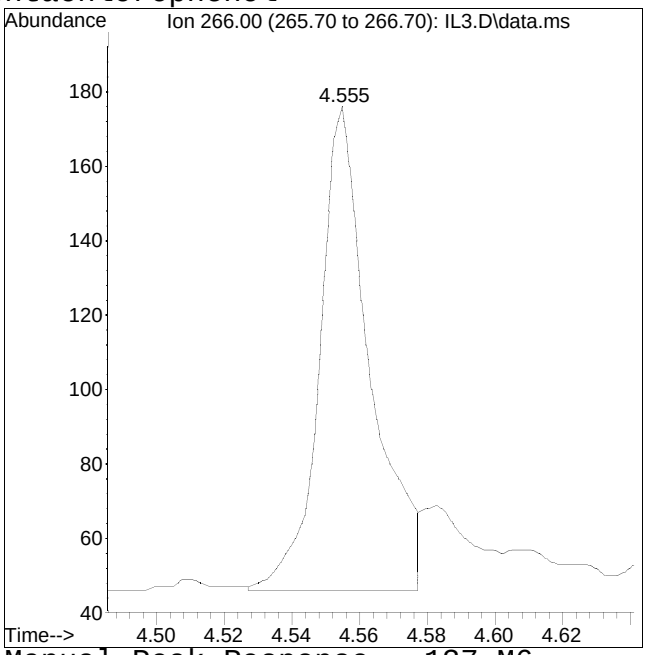
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #25: Pentachlorophenol



Original Peak Response = 156



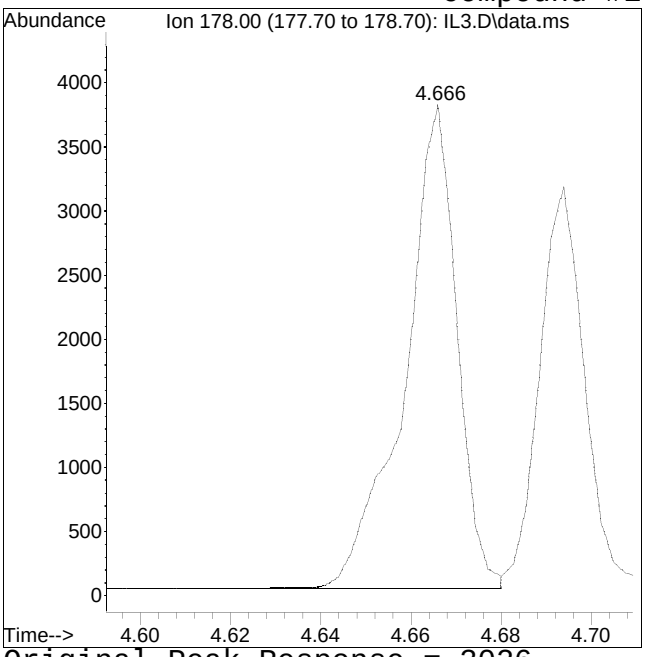
Manual Peak Response = 137 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

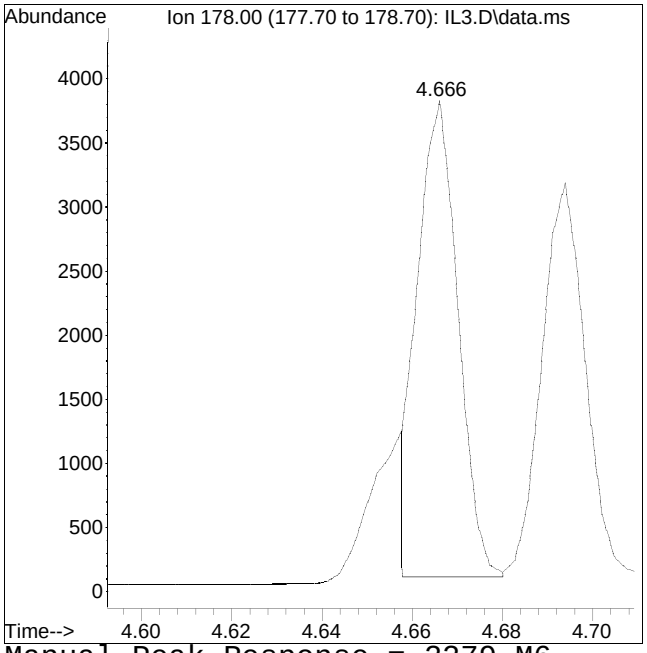
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #26: Phenanthrene



Original Peak Response = 3026



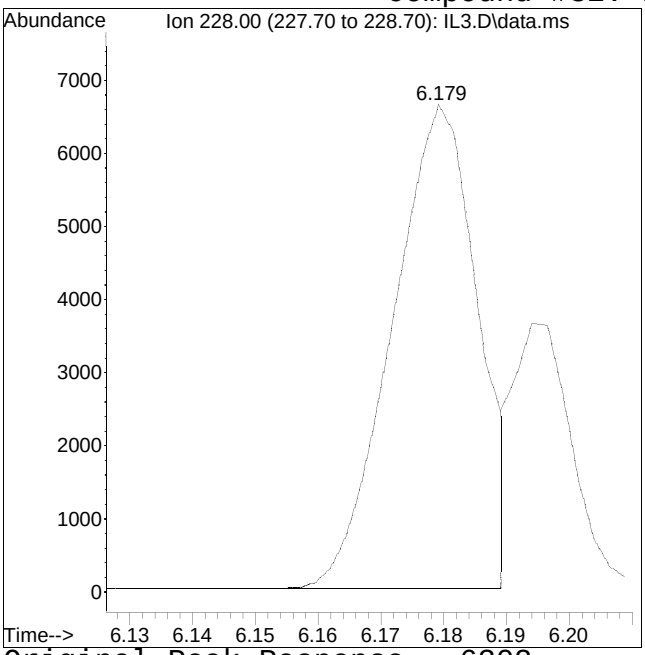
Manual Peak Response = 2279 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

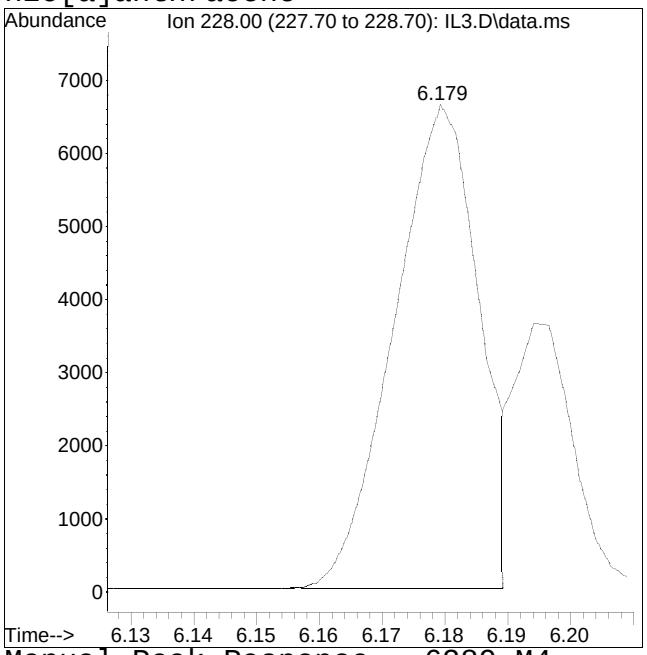
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL3.D
Date Inj'd : 7/28/2024 6:43 pm
Sample : IL3,32,,5.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:54 am

Compound #32: Benzo[a]anthracene



Original Peak Response = 6302



Manual Peak Response = 6289 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	317694	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery	= 95.36%	
8) Naphthalene-d8	2.850	136	1196630	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery	= 93.02%	
17) Acenaphthene-d10	3.821	164	656125	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery	= 90.36%	
22) Phenanthrene-d10	4.655	188	1387301	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery	= 92.34%	
31) Chrysene-d12	6.180	240	1215166	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery	= 94.17%	
36) Perylene-d12	7.319	264	1098528	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery	= 86.35%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	201	2.148 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#	
3) Phenol-d6	2.010	99	249	2.184 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.11%#	
7) Nitrobenzene-d5	2.471	82	184	1.953 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.20%#	
13) 2-Fluorobiphenyl	3.445	172	567	2.229 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.22%#	
21) 2,4,6-Tribromophenol	0.000	330	0d	0.000 ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#	
30) 4-Terphenyl-d14	5.562	244	678	2.398 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.12%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	259	2.579 ng/ml	85
5) n-nitrosodi-n-propylamine	2.393	70	147M7	2.136 ng/ml	
6) Hexachloroethane	2.449	117	102	2.304 ng/ml	95
9) Naphthalene	2.860	128	767M6	2.276 ng/ml	
10) Hexachlorobutadiene	2.935	225	132	2.254 ng/ml	95
11) 2-Methylnaphthalene	3.238	142	470	2.179 ng/ml	96
12) 1-Methylnaphthalene	3.292	142	448	2.232 ng/ml	99
14) 2-Chloronaphthalene	3.507	162	486	2.225 ng/ml	96
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.737	152	633	1.977 ng/ml	95
18) Acenaphthene	3.837	153	526	2.264 ng/ml#	79

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.126	166	577	2.224	ng/ml	96
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.441	284	208	2.153	ng/ml	92
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.666	178	1050M6	2.566	ng/ml	
27) Anthracene	4.694	178	969	2.451	ng/ml	96
28) Fluoranthene	5.339	202	1064	2.402	ng/ml	99
29) Pyrene	5.467	202	1106	2.391	ng/ml	100
32) Benzo[a]anthracene	0.000		0	N.D.	d	
33) 3,3'-Dichlorobenzene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	6.963	252	745	1.998	ng/ml	98
38) Benzo[k]fluoranthene	6.986	252	724M6	2.062	ng/ml	
39) Benzo[a]pyrene	7.254	252	561	1.844	ng/ml	98
40) Indeno[1,2,3-cd]pyrene	8.463	276	518	1.829	ng/ml	98
41) Dibenzo[a,h]anthracene	8.504	278	457	1.708	ng/ml	96
42) Benzo[g,h,i]perylene	8.788	276	556	1.926	ng/ml	95

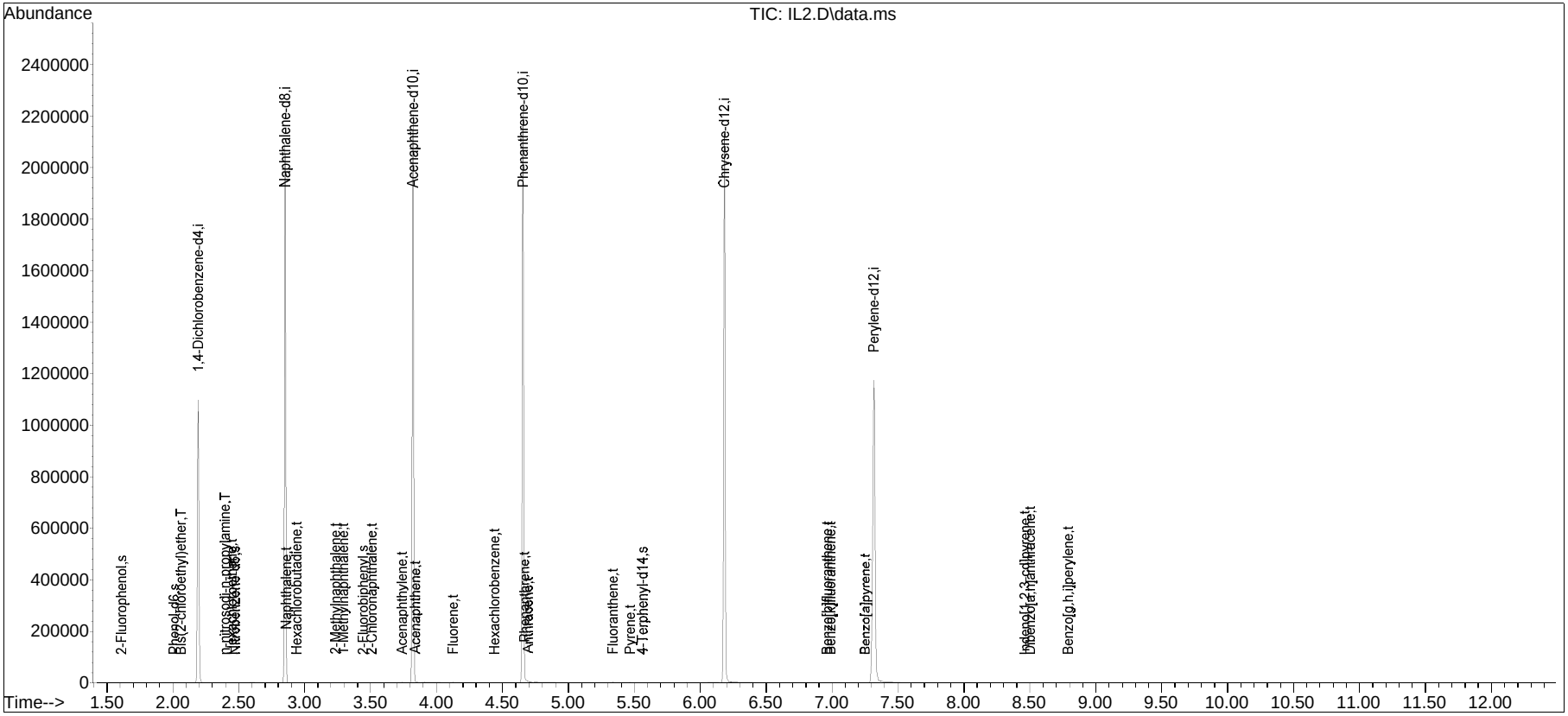
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL2.D
Acq On : 28 Jul 2024 06:59 pm
Operator : SV120:jjw
Sample : IL2,32,,2.0ng/mL lot# 10900
Misc : WG1955532,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 15:22:45 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:41:00 2024
Response via : Initial Calibration

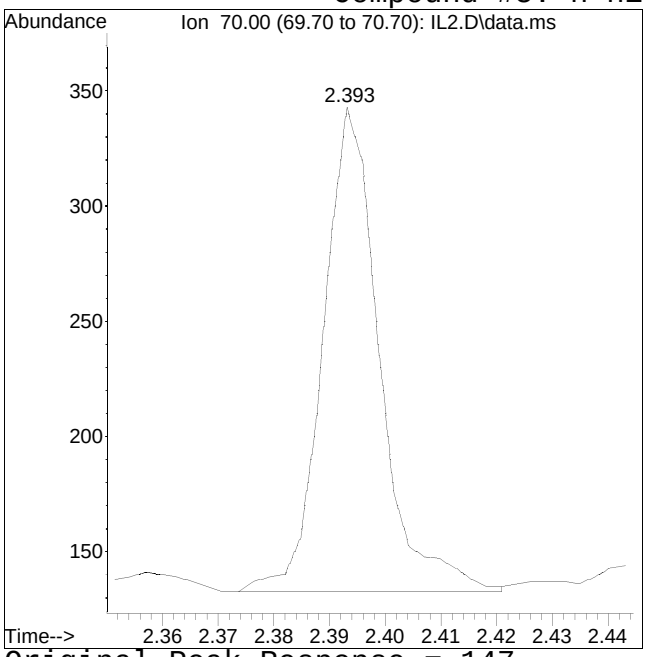
Sub List : Default - All compounds listedical\IL8.D•



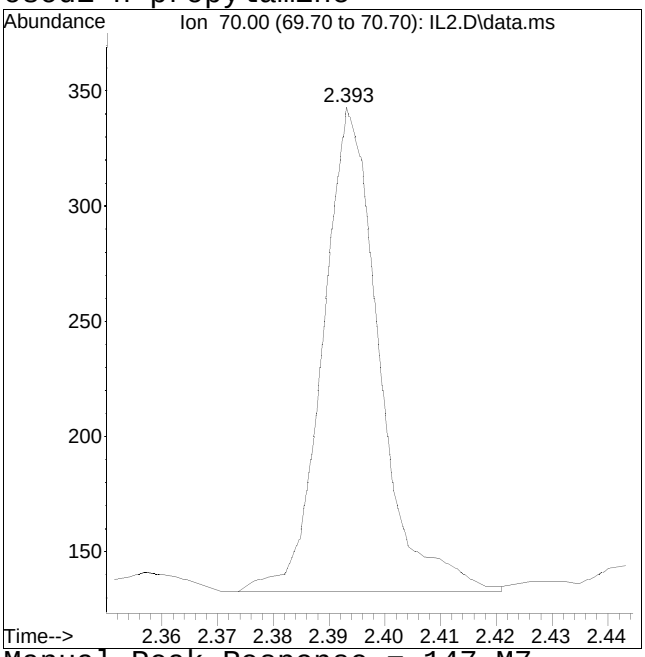
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #5: n-nitrosodi-n-propylamine



Original Peak Response = 147



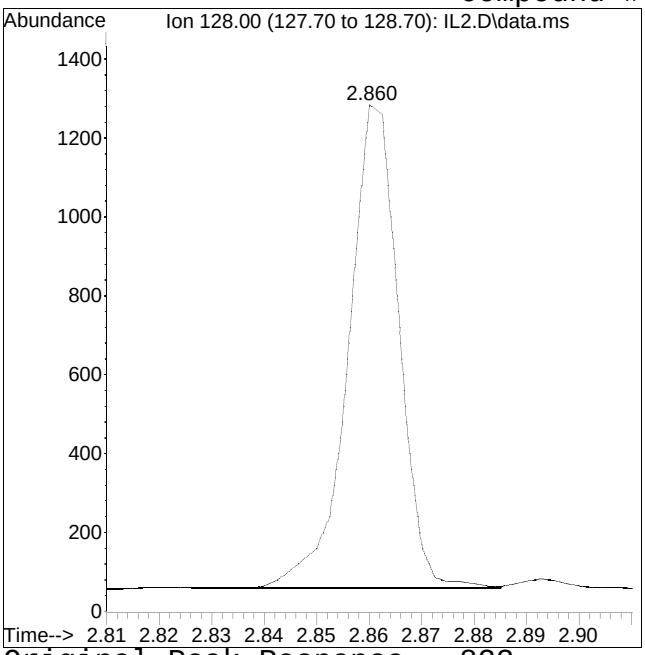
Manual Peak Response = 147 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

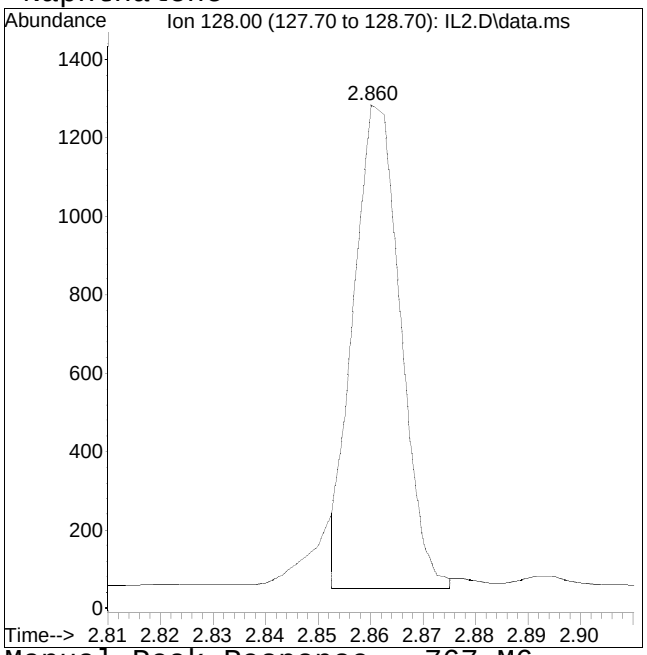
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #9: Naphthalene



Original Peak Response = 823



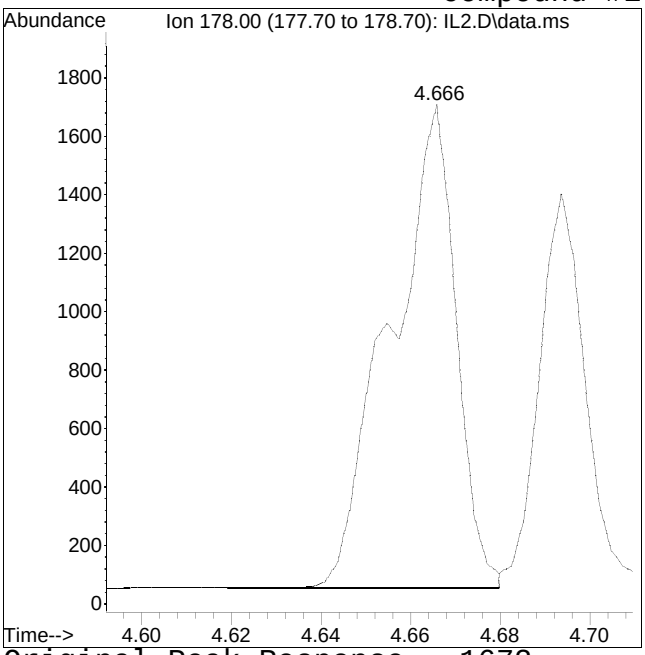
Manual Peak Response = 767 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

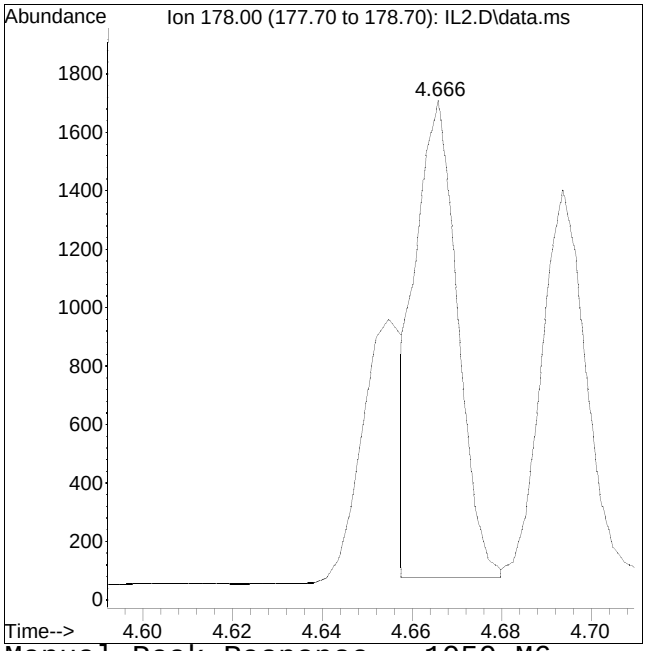
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #26: Phenanthrene



Original Peak Response = 1672



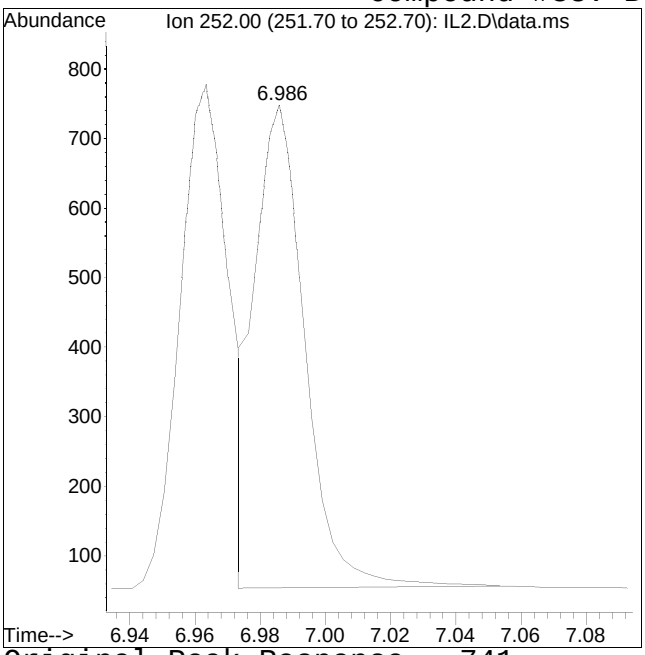
Manual Peak Response = 1050 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

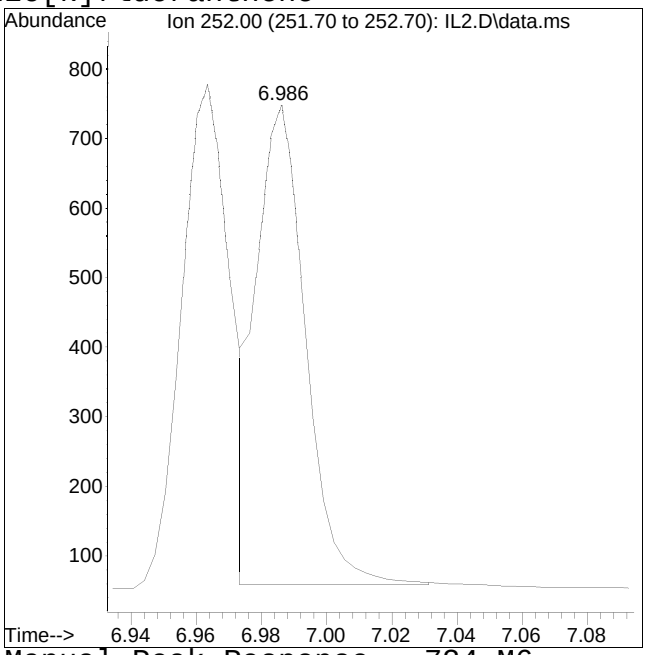
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL2.D
Date Inj'd : 7/28/2024 6:59 pm
Sample : IL2,32,,2.0ng/mL lot# 1090
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:41 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 741



Manual Peak Response = 724 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.192	152	319973	4000.000 ng/ml	0.00
Standard Area 1 = 333135			Recovery	= 96.05%	
8) Naphthalene-d8	2.850	136	1189565	4000.000 ng/ml	0.00
Standard Area 1 = 1286400			Recovery	= 92.47%	
17) Acenaphthene-d10	3.820	164	639241	4000.000 ng/ml	0.00
Standard Area 1 = 726145			Recovery	= 88.03%	
22) Phenanthrene-d10	4.654	188	1335842	4000.000 ng/ml	0.00
Standard Area 1 = 1502374			Recovery	= 88.92%	
31) Chrysene-d12	6.180	240	1166472	4000.000 ng/ml	0.00
Standard Area 1 = 1290415			Recovery	= 90.40%	
36) Perylene-d12	7.317	264	1064127	4000.000 ng/ml	0.00
Standard Area 1 = 1272234			Recovery	= 83.64%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.612	112	96	1.021 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.05%#	
3) Phenol-d6	2.010	99	119	1.036 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.05%#	
7) Nitrobenzene-d5	2.471	82	83	0.875 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.09%#	
13) 2-Fluorobiphenyl	3.444	172	268	1.069 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.11%#	
21) 2,4,6-Tribromophenol	0.000	330	0	0.000 ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.00%#	
30) 4-Terphenyl-d14	5.560	244	390	1.433 ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 0.07%#	
Target Compounds					Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D. d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D. d	
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.862	128	391M6	1.196 ng/ml	
10) Hexachlorobutadiene	2.935	225	63	1.082 ng/ml	87
11) 2-Methylnaphthalene	3.237	142	228	1.063 ng/ml	98
12) 1-Methylnaphthalene	3.292	142	208	1.042 ng/ml	100
14) 2-Chloronaphthalene	3.507	162	233	1.073 ng/ml	98
15) 2,6-Dinitrotoluene	0.000		0	N.D. d	
16) Acenaphthylene	3.740	152	310	0.971 ng/ml	96
18) Acenaphthene	3.837	153	243M7	1.074 ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D. d		
20) Fluorene	4.126	166	292	1.181	ng/ml	99
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
24) Hexachlorobenzene	4.441	284	111M6	1.227	ng/ml	
25) Pentachlorophenol	4.554	266	105	12.186	ng/ml	89
26) Phenanthrene	4.666	178	506M6	1.284	ng/ml	
27) Anthracene	4.693	178	508	1.334	ng/ml	98
28) Fluoranthene	5.337	202	590	1.384	ng/ml	98
29) Pyrene	5.468	202	600	1.347	ng/ml	100
32) Benzo[a]anthracene	0.000		0	N.D. d		
33) 3,3'-Dichlorobenzene	0.000		0	N.D. d		
34) Chrysene	0.000		0	N.D. d		
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D. d		
37) Benzo[b]fluoranthene	6.962	252	364	1.008	ng/ml	97
38) Benzo[k]fluoranthene	6.982	252	348	1.023	ng/ml	100
39) Benzo[a]pyrene	7.253	252	262	0.889	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.465	276	247	0.901	ng/ml	99
41) Dibenzo[a,h]anthracene	8.502	278	226M6	0.872	ng/ml	
42) Benzo[g,h,i]perylene	8.786	276	255	0.912	ng/ml	96

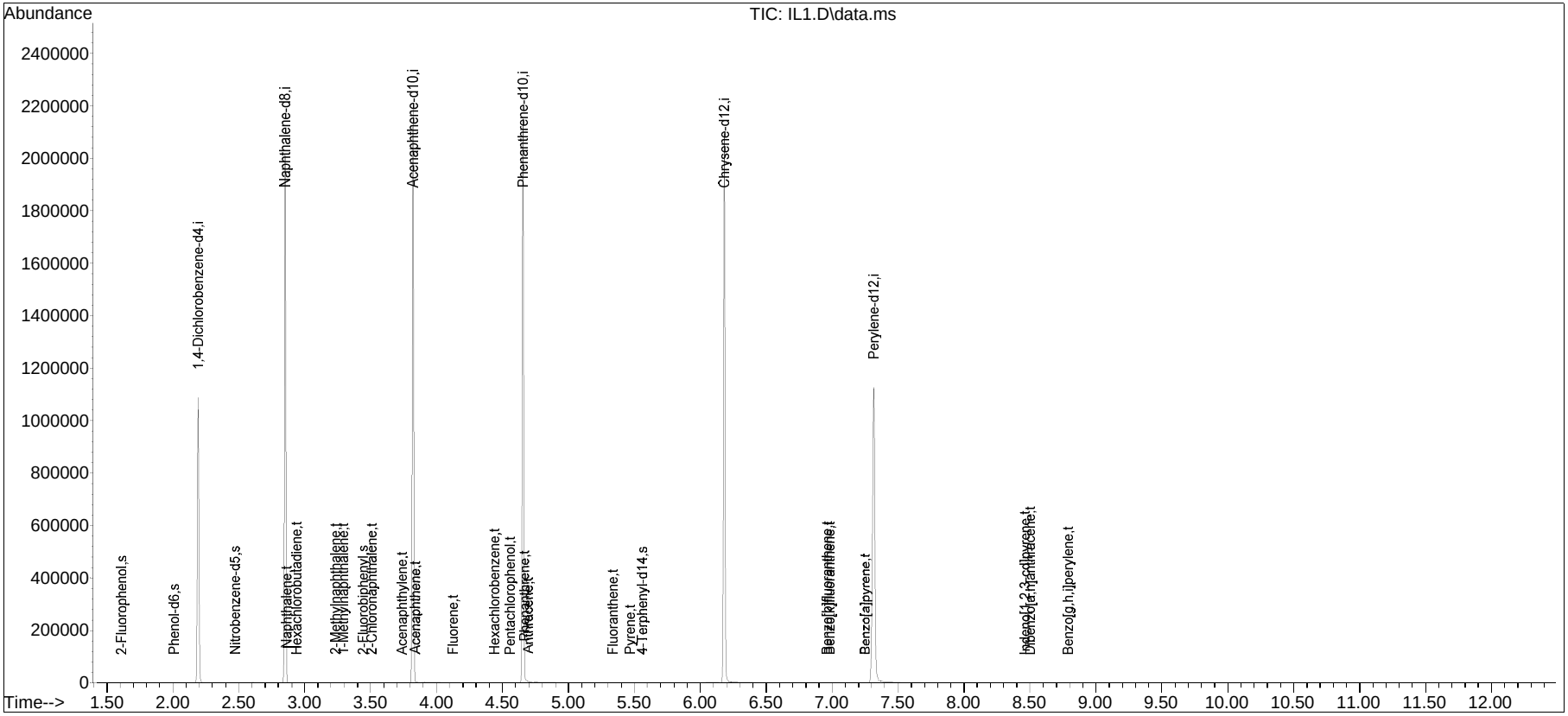
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : IL1.D
Acq On : 28 Jul 2024 07:15 pm
Operator : SV120:jjw
Sample : IL1,32,,1.0ng/mL lot# 10895
Misc : WG1955532,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 15:23:28 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jul 29 11:36:04 2024
Response via : Initial Calibration

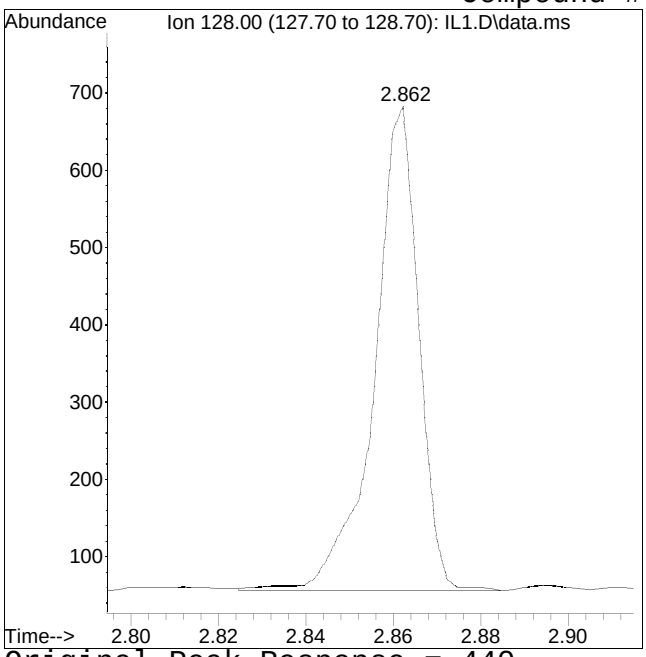
Sub List : Default - All compounds listedical\IL8.D•



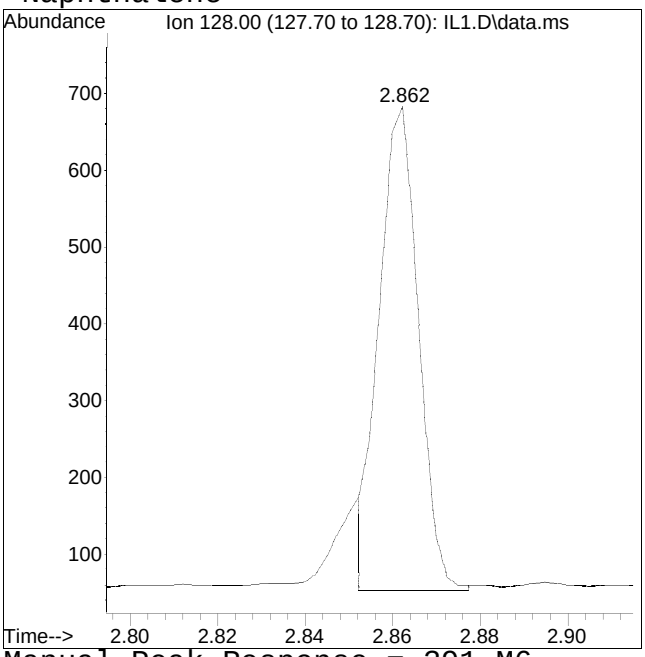
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQMethod : SIM-RVT_240728_sv120.M
Data File : IL1.D Operator : SV120:jjw
Date Inj'd : 7/28/2024 7:15 pm Instrument : SV120
Sample : IL1,32,,1.0ng/mL lot# 1089Quant Date : 7/29/2024 11:36 am

Compound #9: Naphthalene



Original Peak Response = 440



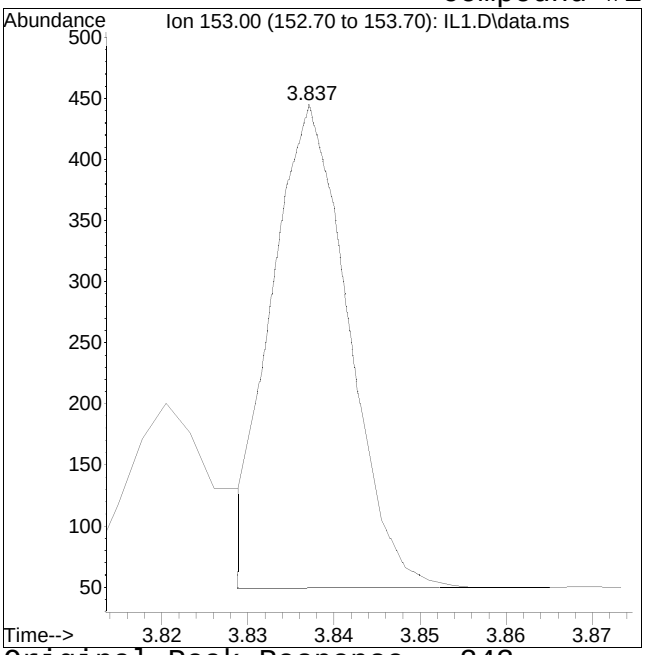
Manual Peak Response = 391 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

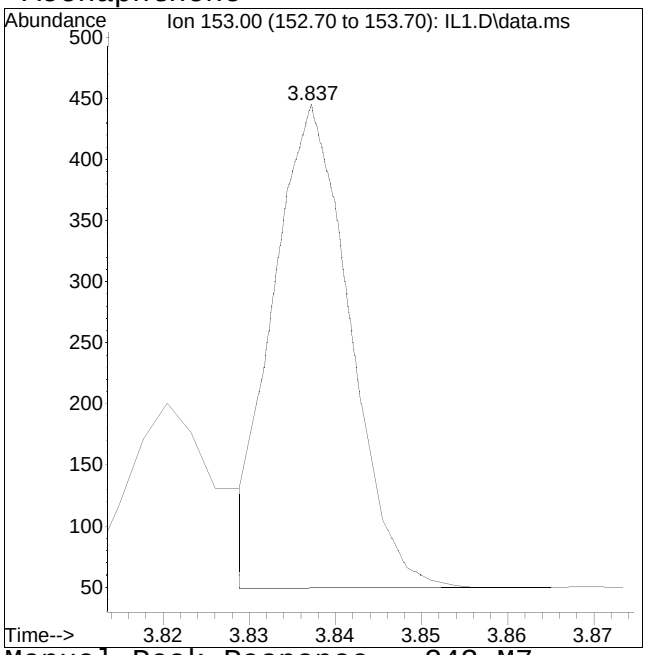
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #18: Acenaphthene



Original Peak Response = 243



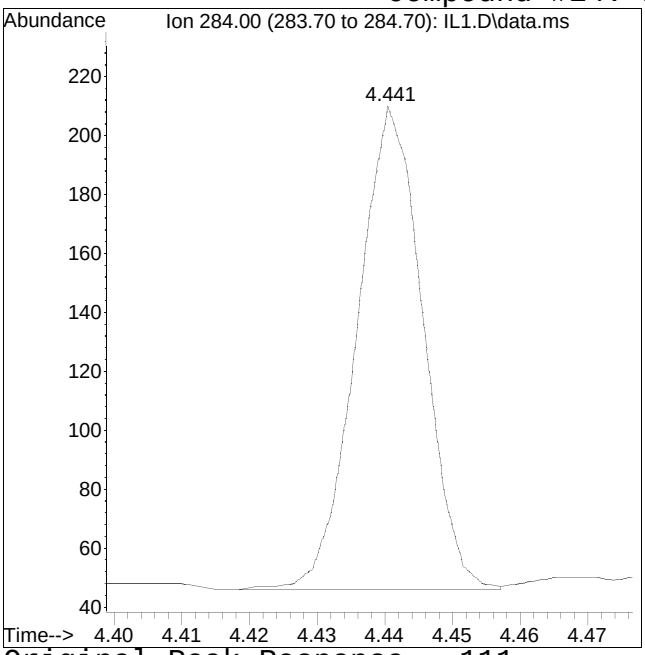
Manual Peak Response = 243 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

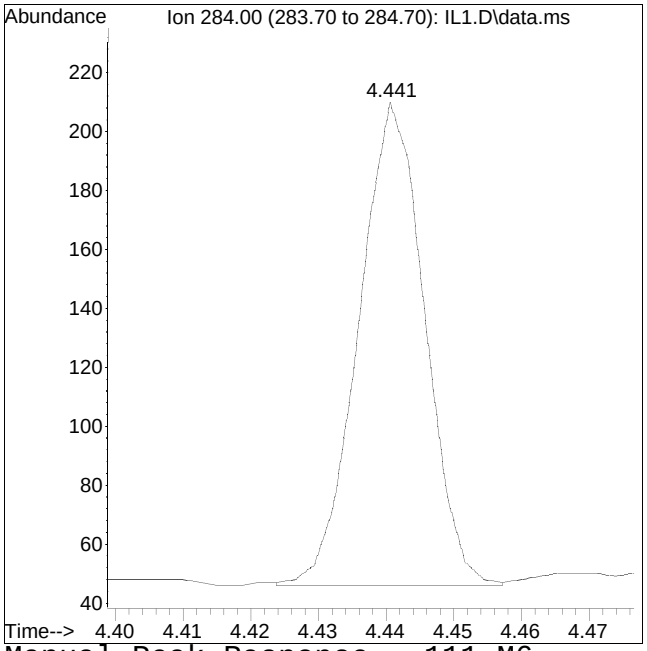
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #24: Hexachlorobenzene



Original Peak Response = 111



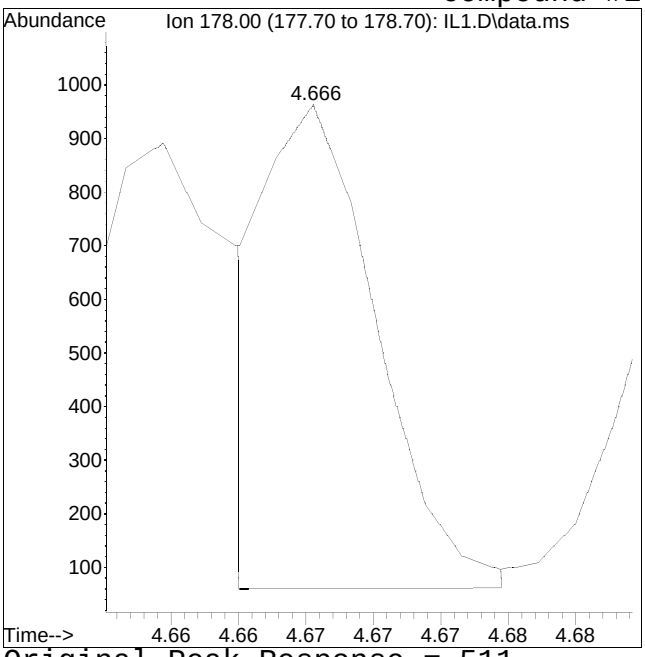
Manual Peak Response = 111 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

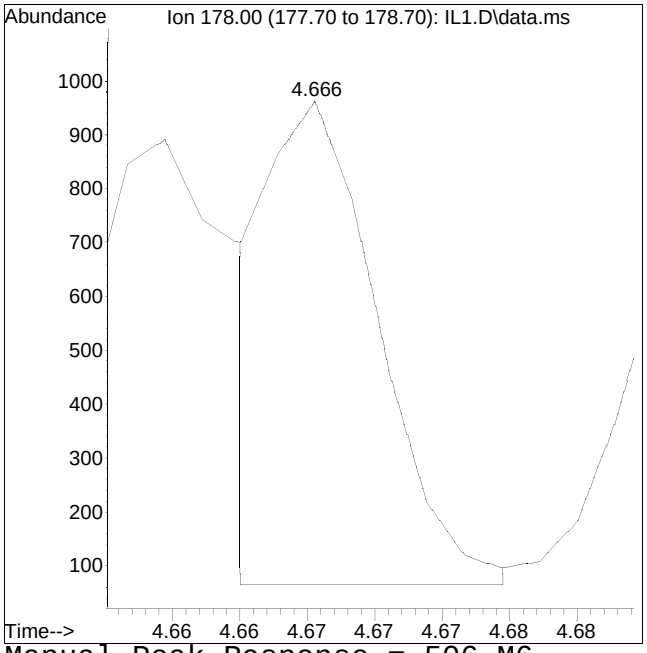
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #26: Phenanthrene



Original Peak Response = 511



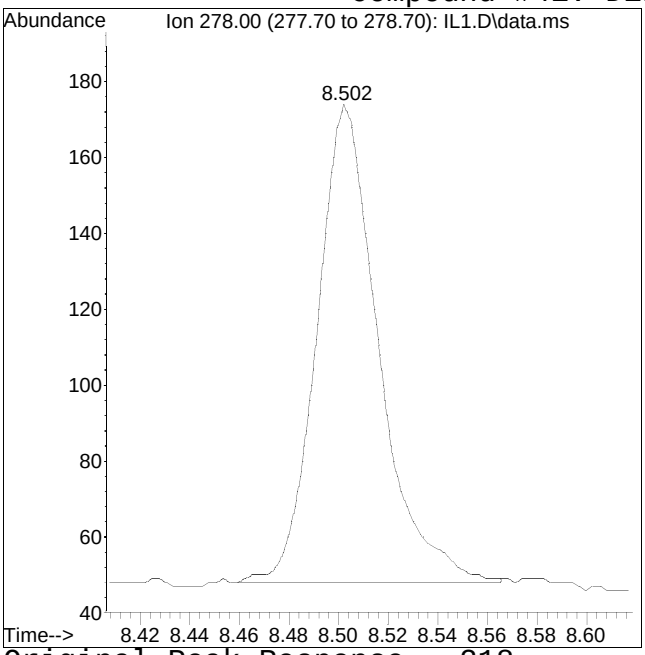
Manual Peak Response = 506 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

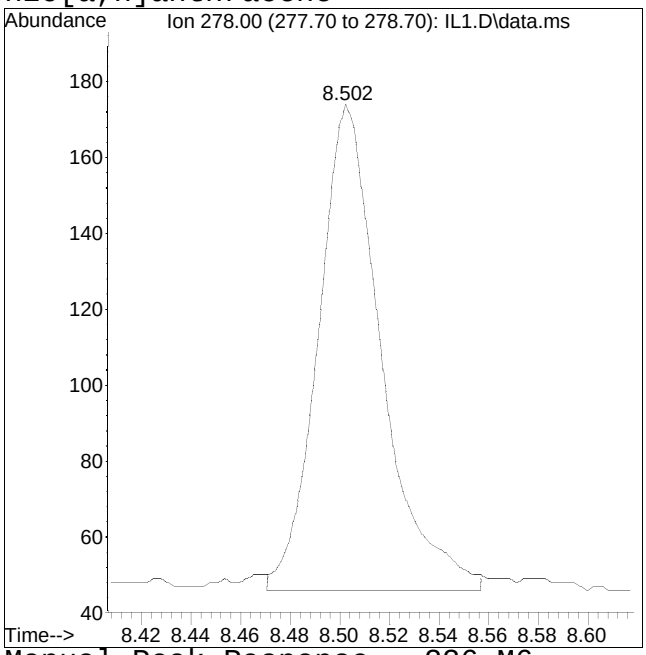
Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : IL1.D
Date Inj'd : 7/28/2024 7:15 pm
Sample : IL1,32,,1.0ng/mL lot# 1089
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 7/29/2024 11:36 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 218



Manual Peak Response = 226 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 16:14:17 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2	s	2-Fluorophenol	1.188	1.152	3.0	90	0.00
3	s	Phenol-d6	1.445	1.401	3.0	90	0.00
4	T	Bis(2-chloroethyl)ether	1.315	1.179	10.3	87	0.00
5	T	n-nitrosodi-n-propylamine	0.870	0.823	5.4	87	0.00
6	t	Hexachloroethane	0.561	0.534	4.8	89	0.00
7	s	Nitrobenzene-d5	1.176	1.125	4.3	86	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	92	0.00
9	t	Naphthalene	1.149	1.047	8.9	90	0.00
10	t	Hexachlorobutadiene	0.197	0.188	4.6	91	0.00
11	t	2-Methylnaphthalene	0.729	0.709	2.7	91	0.00
12	t	1-Methylnaphthalene	0.680	0.652	4.1	90	0.00
13	s	2-Fluorobiphenyl	0.862	0.820	4.9	91	0.00
14	t	2-Chloronaphthalene	0.741	0.702	5.3	89	0.00
15	t	2,6-Dinitrotoluene	*1000.000	843.309	15.7	82	0.00
16	t	Acenaphthylene	1.063	1.083	-1.9	89	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	92	0.00
18	t	Acenaphthene	1.442	1.332	7.6	90	0.00
19	t	2,4-Dinitrotoluene	*1000.000	854.009	14.6	83	0.00
20	t	Fluorene	1.598	1.497	6.3	90	0.00
21	s	2,4,6-Tribromophenol	0.220	0.239	-8.6	91	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	840.755	15.9	80	0.00
24	t	Hexachlorobenzene	0.280	0.256	8.6	90	0.00
25	t	Pentachlorophenol	*1000.000	854.813	14.5	82	0.00
26	t	Phenanthrene	1.188	1.101	7.3	91	0.00
27	t	Anthracene	1.146	1.103	3.8	90	0.00
28	t	Fluoranthene	1.283	1.227	4.4	90	0.00
29	t	Pyrene	1.337	1.312	1.9	91	0.00
30	s	4-Terphenyl-d14	0.838	0.791	5.6	91	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	91	0.00
32	t	Benzo[a]anthracene	*1000.000	928.249	7.2	85	0.00
33	t	3,3'-Dichlorobenzene	*1000.000	900.162	10.0	88	0.00
34	t	Chrysene	1.455	1.399	3.8	89	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	881.234	11.9	82	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 16:14:17 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 05 16:14:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	88	0.00
37	t	Benzo[b]fluoranthene	1.350	1.260	6.7	83	0.00
38	t	Benzo[k]fluoranthene	1.272	1.361	-7.0	85	0.00
39	t	Benzo[a]pyrene	1.080	1.132	-4.8	84	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.012	1.028	-1.6	85	0.00
41	t	Dibenzo[a,h]anthracene	0.950	0.977	-2.8	82	0.00
42	t	Benzo[g,h,i]perylene	1.034	1.042	-0.8	83	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.192	152	307722	4000.000	ng/ml	0.00
Standard Area 1 = 333135			Recovery = 92.37%			
8) Naphthalene-d8	2.850	136	1184490	4000.000	ng/ml	0.00
Standard Area 1 = 1286400			Recovery = 92.08%			
17) Acenaphthene-d10	3.820	164	669474	4000.000	ng/ml	0.00
Standard Area 1 = 726145			Recovery = 92.20%			
22) Phenanthrene-d10	4.655	188	1412445	4000.000	ng/ml	0.00
Standard Area 1 = 1502374			Recovery = 94.01%			
31) Chrysene-d12	6.182	240	1171068	4000.000	ng/ml	0.00
Standard Area 1 = 1290415			Recovery = 90.75%			
36) Perylene-d12	7.317	264	1116379	4000.000	ng/ml	0.00
Standard Area 1 = 1272234			Recovery = 87.75%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.612	112	88588	969.202	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.46%			
3) Phenol-d6	2.010	99	107811	969.649	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.48%			
7) Nitrobenzene-d5	2.472	82	86519	956.101	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.61%			
13) 2-Fluorobiphenyl	3.447	172	242887	951.556	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 95.16%			
21) 2,4,6-Tribromophenol	4.262	330	40082	1087.483	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.37%			
30) 4-Terphenyl-d14	5.561	244	279263	944.086	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 47.20%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.060	93	90674	896.276	ng/ml	97
5) n-nitrosodi-n-propylamine	2.391	70	63313	945.830	ng/ml	99
6) Hexachloroethane	2.449	117	41073	951.468	ng/ml	100
9) Naphthalene	2.862	128	309894	911.095	ng/ml#	100
10) Hexachlorobutadiene	2.935	225	55759	954.356	ng/ml	99
11) 2-Methylnaphthalene	3.240	142	209998	972.681	ng/ml	99
12) 1-Methylnaphthalene	3.295	142	193160	958.727	ng/ml	99
14) 2-Chloronaphthalene	3.506	162	207824	947.408	ng/ml	100
15) 2,6-Dinitrotoluene	3.704	165	40624	843.309	ng/ml	98
16) Acenaphthylene	3.740	152	320693	1018.354	ng/ml	100
18) Acenaphthene	3.837	153	223008	923.711	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240728RVTical\IL8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.929	165	55850	854.009	ng/ml	97
20) Fluorene	4.126	166	250469	936.229	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.156	198	27377	840.755	ng/ml	99
24) Hexachlorobenzene	4.441	284	90272	911.504	ng/ml	100
25) Pentachlorophenol	4.552	266	38488	854.813	ng/ml	100
26) Phenanthrene	4.666	178	388665	926.684	ng/ml	100
27) Anthracene	4.694	178	389545	962.681	ng/ml	100
28) Fluoranthene	5.338	202	433244	956.013	ng/ml	100
29) Pyrene	5.466	202	463317	981.307	ng/ml	100
32) Benzo[a]anthracene	6.172	228	411974	928.254	ng/ml	100
33) 3,3'-Dichlorobenzene	6.162	252	147041	900.162	ng/ml	99
34) Chrysene	6.197	228	409505	961.428	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.204	149	232887	881.234	ng/ml	99
37) Benzo[b]fluoranthene	6.965	252	351549	932.908	ng/ml	96
38) Benzo[k]fluoranthene	6.987	252	379963	1070.217	ng/ml	96
39) Benzo[a]pyrene	7.255	252	315948	1048.378	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.470	276	286922	1016.028	ng/ml	99
41) Dibenzo[a,h]anthracene	8.505	278	272700M6	1028.967	ng/ml	
42) Benzo[g,h,i]perylene	8.794	276	290717	1007.132	ng/ml	100

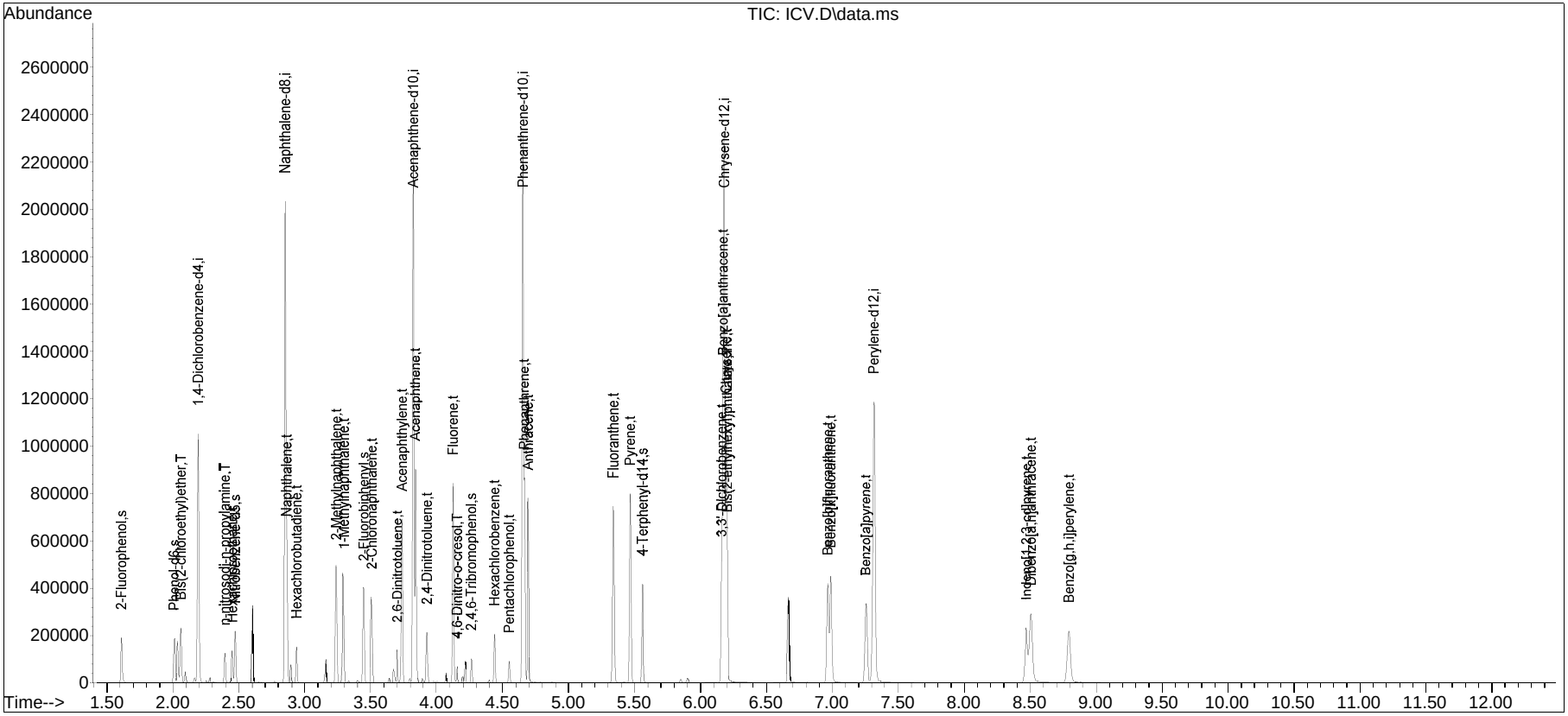
(#) = qualifier out of range (m) = manual integration (+) = signals summed

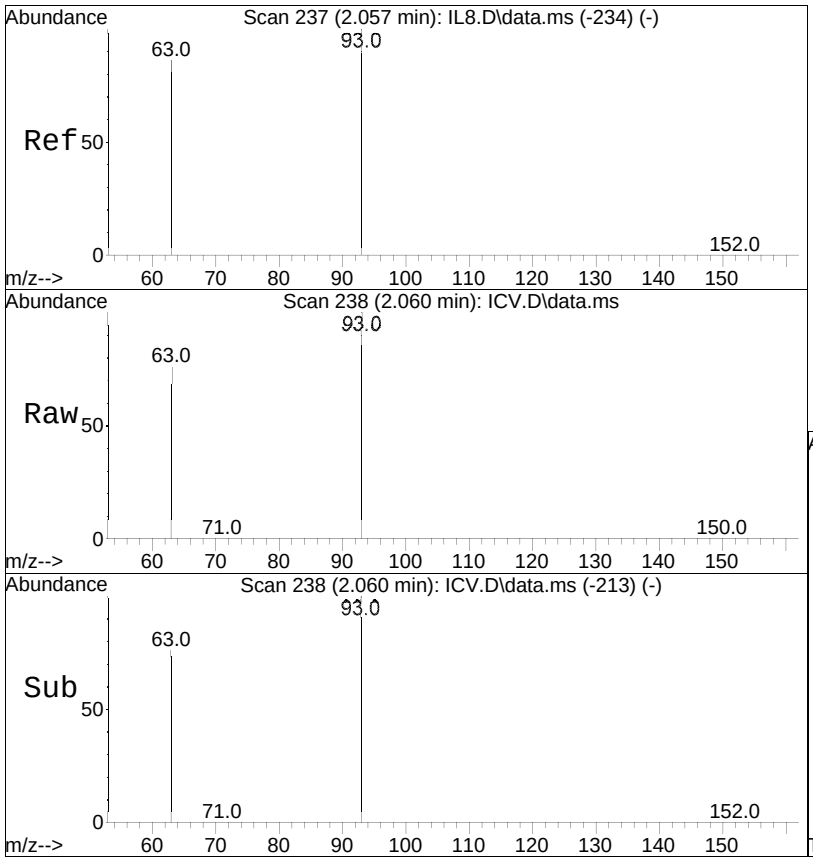
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240728RVTical\
Data File : ICV.D
Acq On : 28 Jul 2024 07:31 pm
Operator : SV120:jjw
Sample : CQICV,32,,1000.0ng/mL lot #10884
Misc : WG1955532,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 14:43:51 2024
Quant Method : I:\8270SIM\sv120\240728RVTical\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Aug 07 14:37:50 2024
Response via : Initial Calibration

Sub List : Default - All compounds listedical\IL8.D•

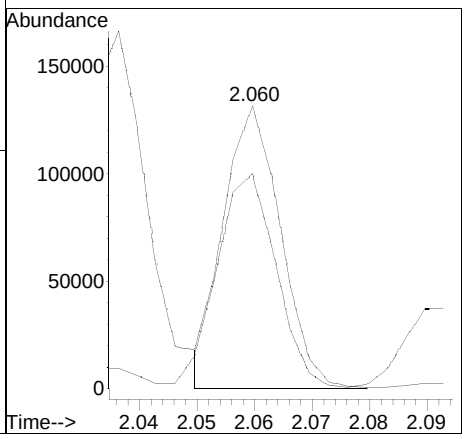


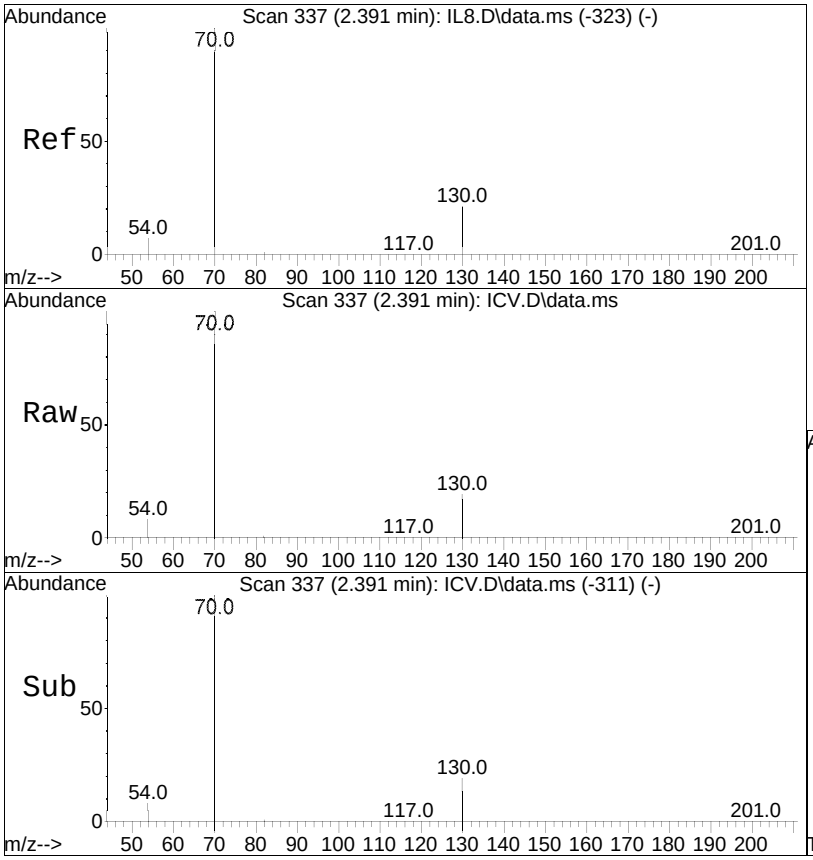


#4
Bis(2-chloroethyl)ether
Concen: 896.28 ng/ml
RT: 2.060 min Scan# 238
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion: 93 Resp: 90674

Ion	Ratio	Lower	Upper
93	100		
63	79.6	61.8	92.6

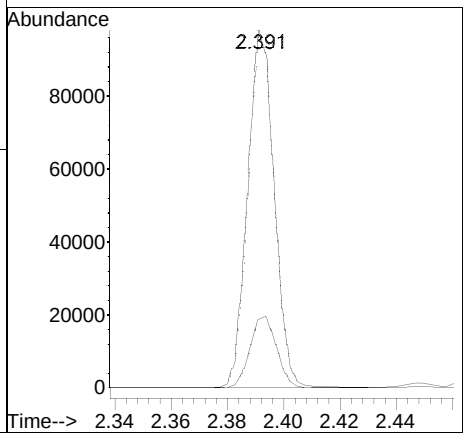


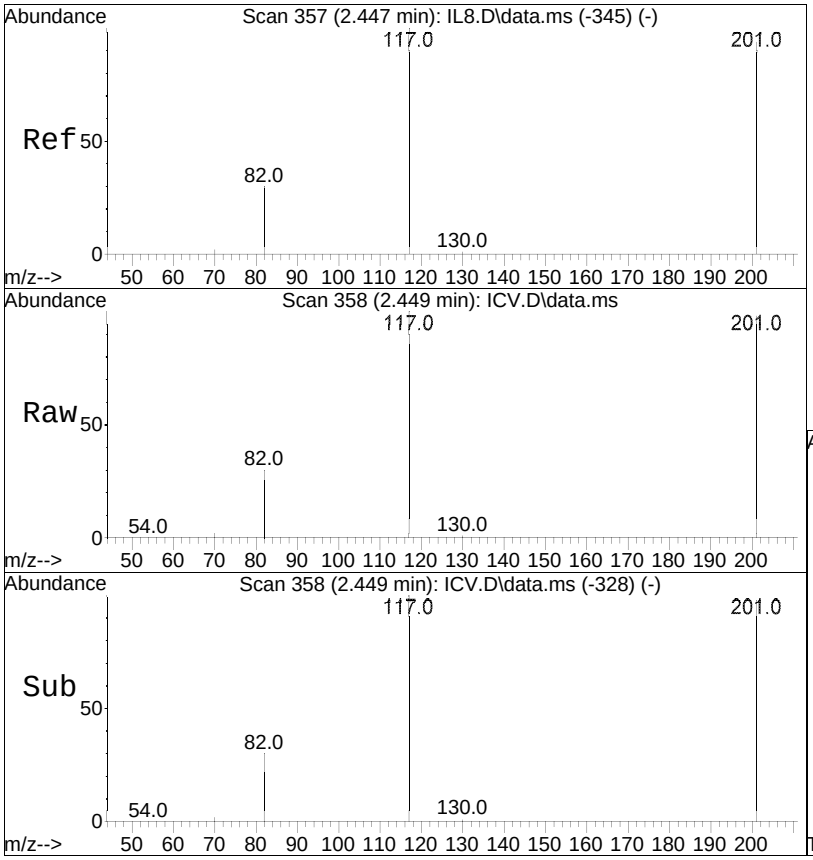


#5
n-nitrosodi-n-propylamine
Concen: 945.83 ng/ml
RT: 2.391 min Scan# 337
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion: 70 Resp: 63313

Ion	Ratio	Lower	Upper
70	100		
130	20.1	16.4	24.6

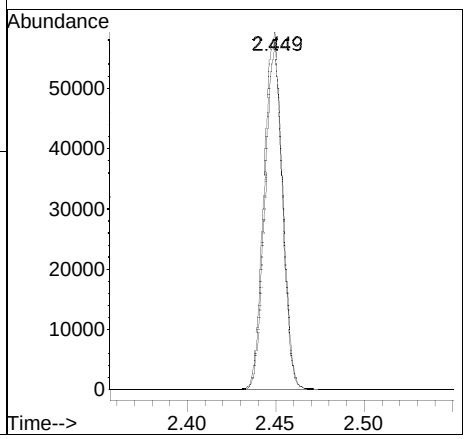


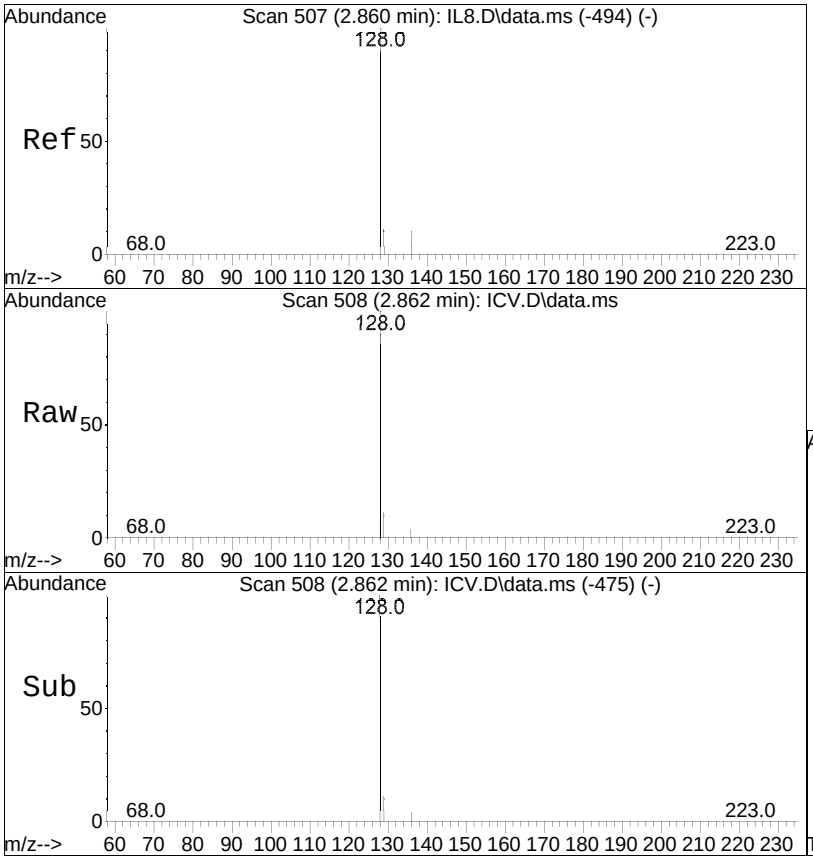


#6
Hexachloroethane
Concen: 951.47 ng/ml
RT: 2.449 min Scan# 358
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:117 Resp: 41073

Ion	Ratio	Lower	Upper
117	100		
201	95.6	76.6	115.0

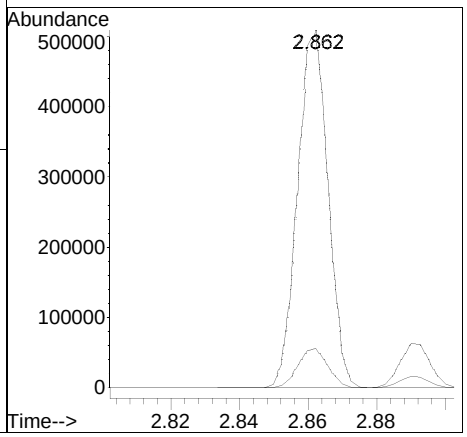


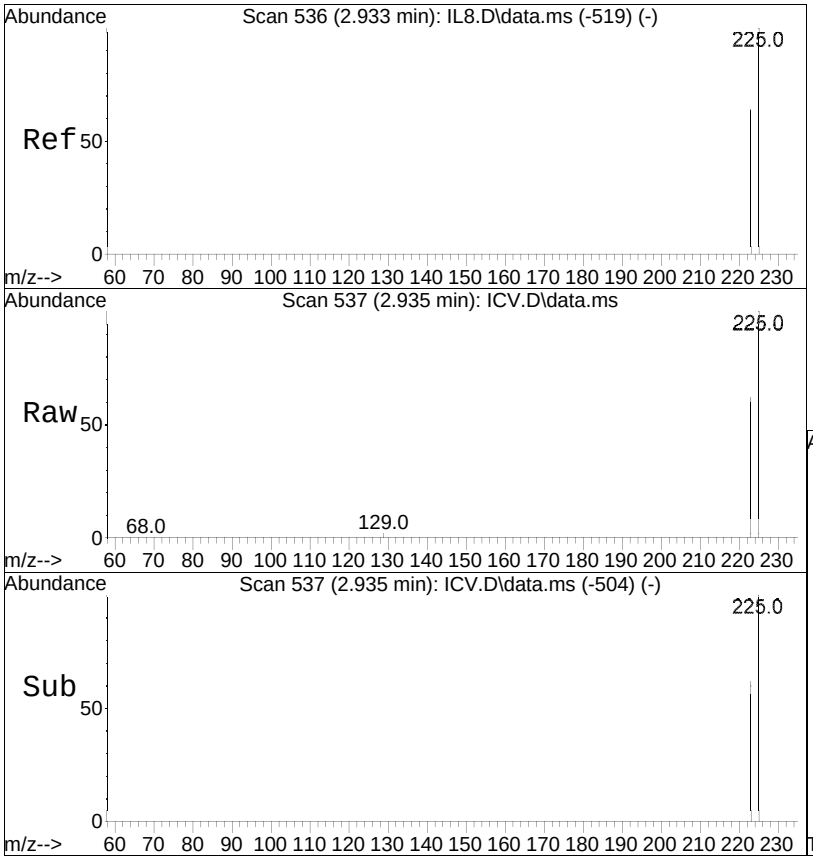


#9
Naphthalene
Concen: 911.10 ng/ml
RT: 2.862 min Scan# 508
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:128 Resp: 309894

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	0.0	0.0	0.0

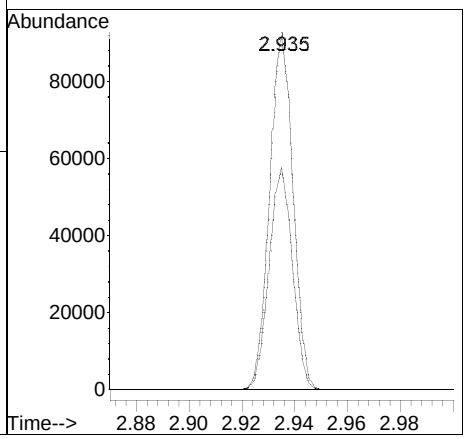


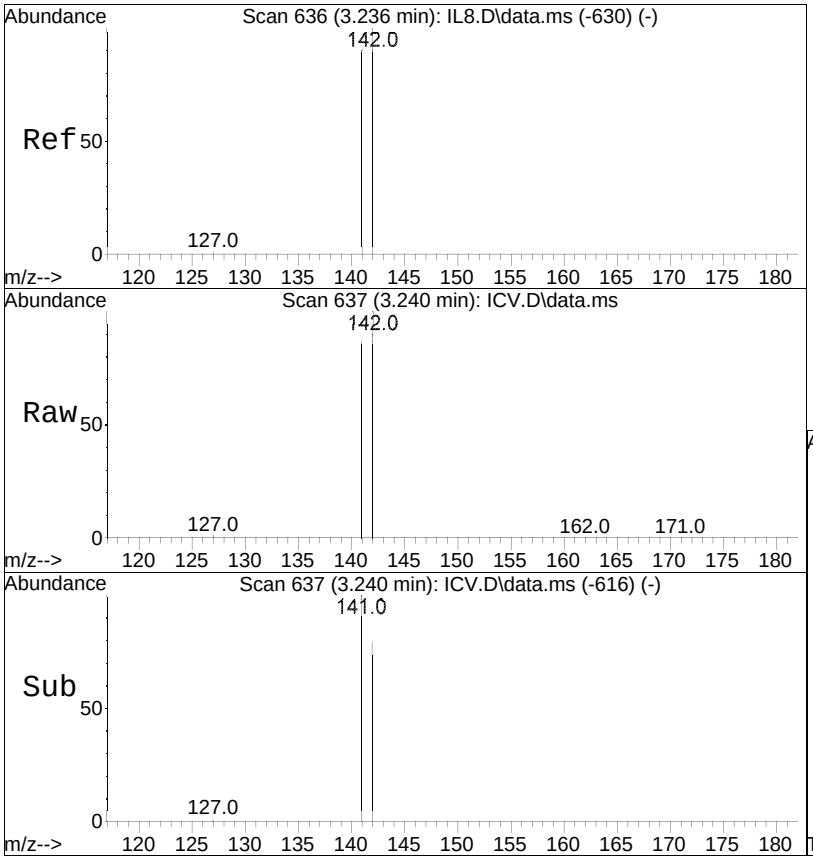


#10
Hexachlorobutadiene
Concen: 954.36 ng/ml
RT: 2.935 min Scan# 537
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:225 Resp: 55759

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.4	75.6

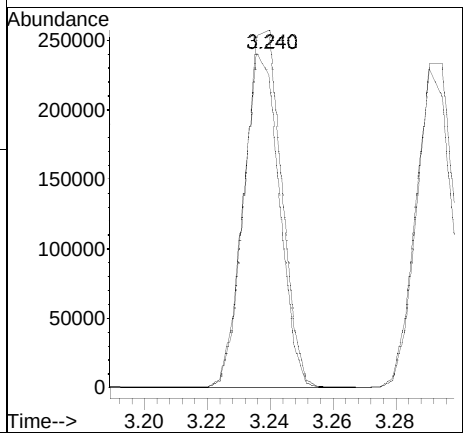


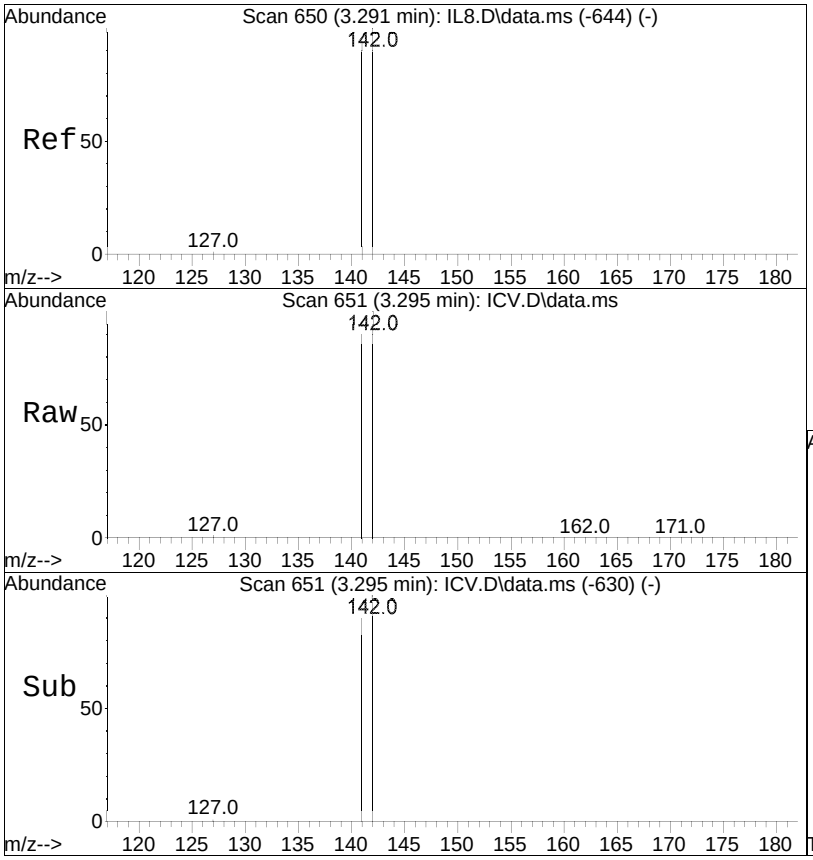


#11
2-Methylnaphthalene
Concen: 972.68 ng/ml
RT: 3.240 min Scan# 637
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:142 Resp: 209998

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.0	109.4

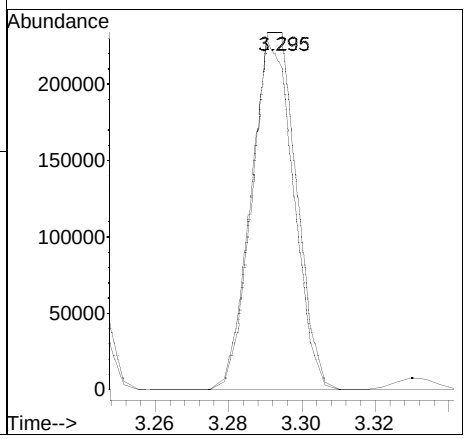


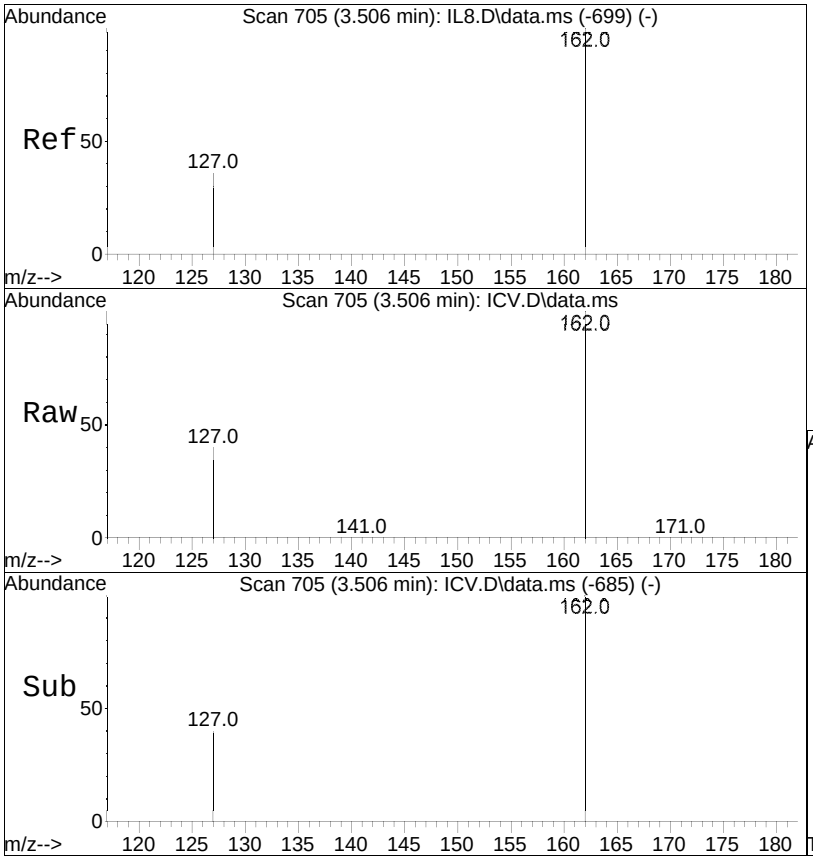


#12
1-Methylnaphthalene
Concen: 958.73 ng/ml
RT: 3.295 min Scan# 651
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:142 Resp: 193160

Ion	Ratio	Lower	Upper
142	100		
141	94.7	75.0	112.6

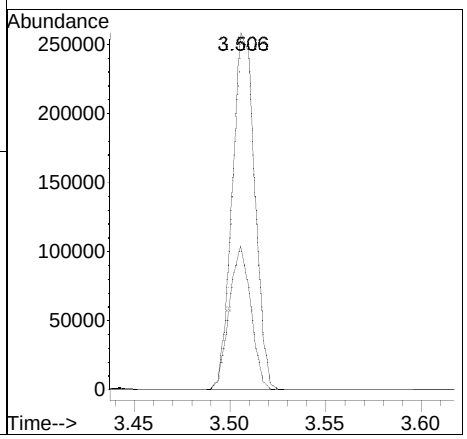


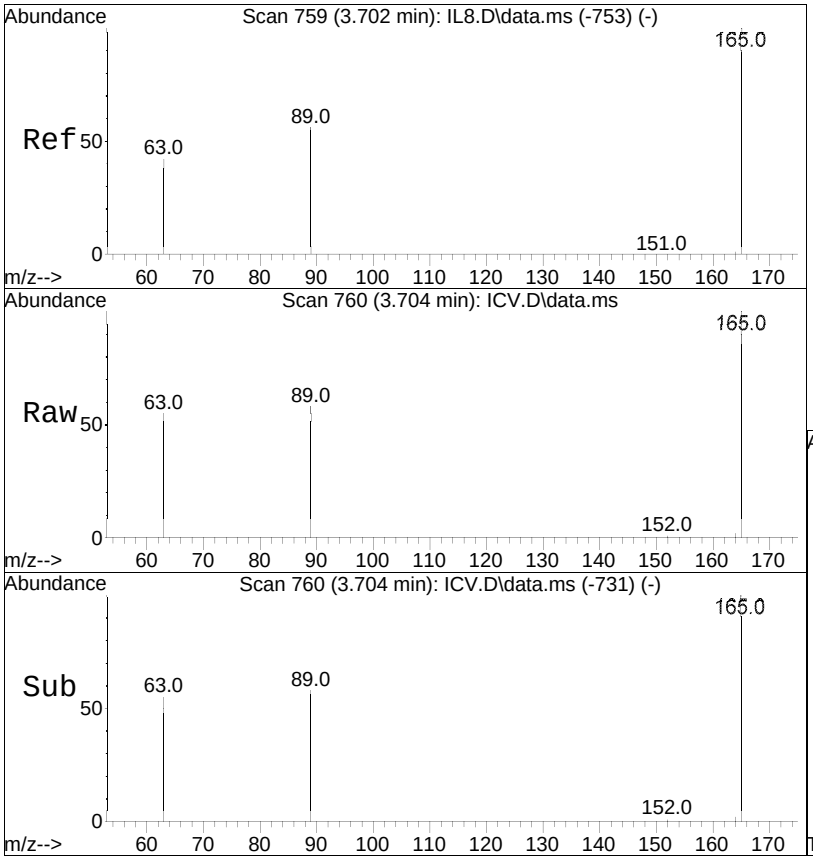


#14
2-Chloronaphthalene
Concen: 947.41 ng/ml
RT: 3.506 min Scan# 705
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:162 Resp: 207824

Ion	Ratio	Lower	Upper
162	100		
127	38.6	30.9	46.3

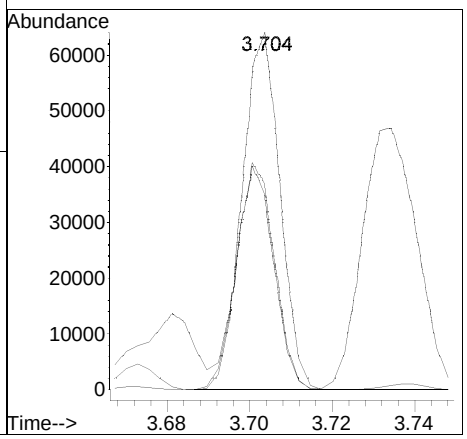


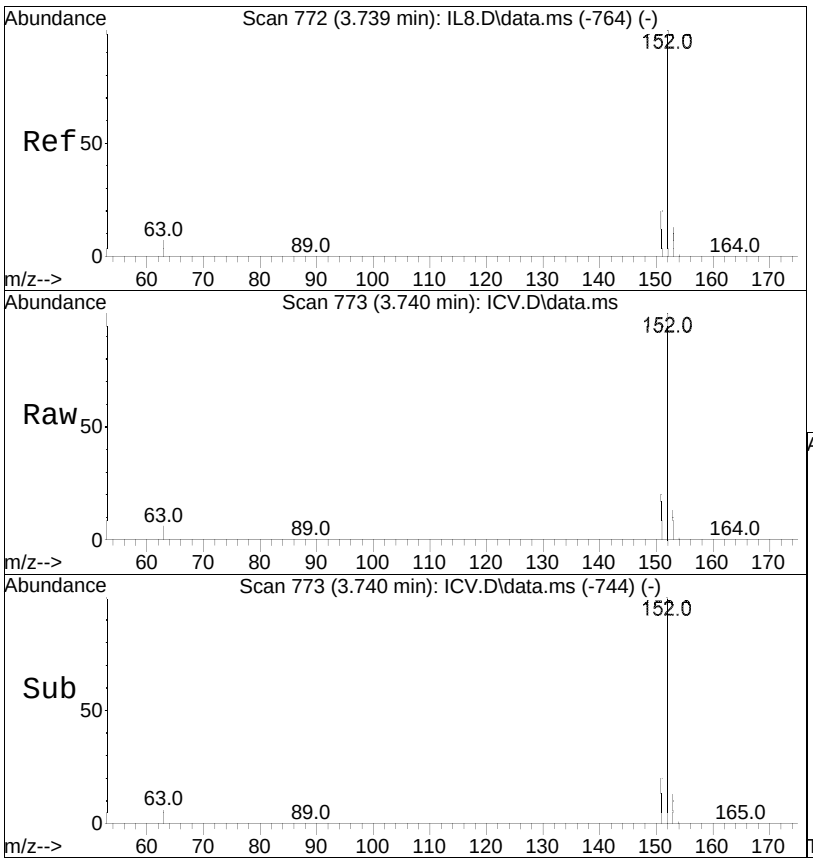


#15
2,6-Dinitrotoluene
Concen: 843.31 ng/ml
RT: 3.704 min Scan# 760
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:165 Resp: 40624

Ion	Ratio	Lower	Upper
165	100		
89	63.8	49.9	74.9
63	61.9	48.5	72.7

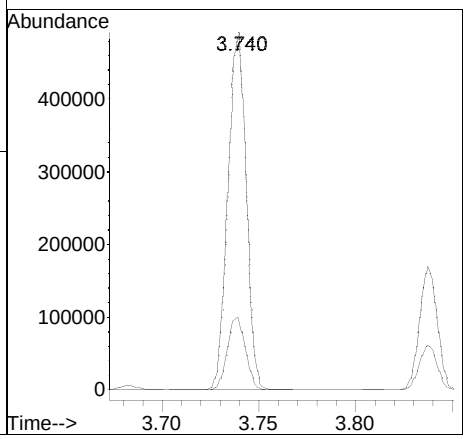


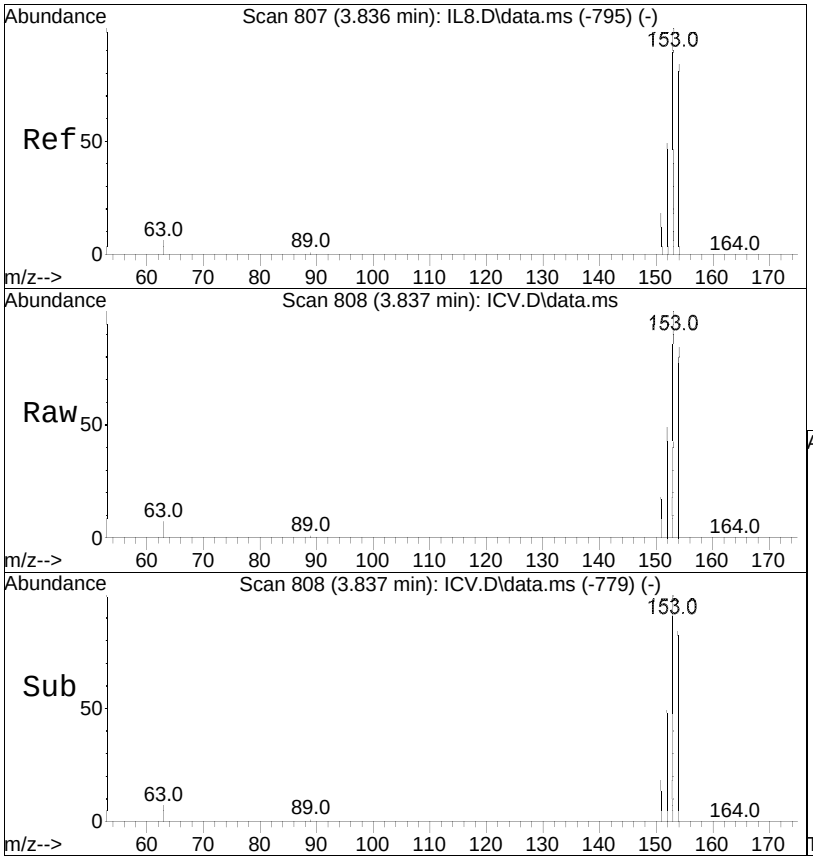


#16
Acenaphthylene
Concen: 1018.35 ng/ml
RT: 3.740 min Scan# 773
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:152 Resp: 320693

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

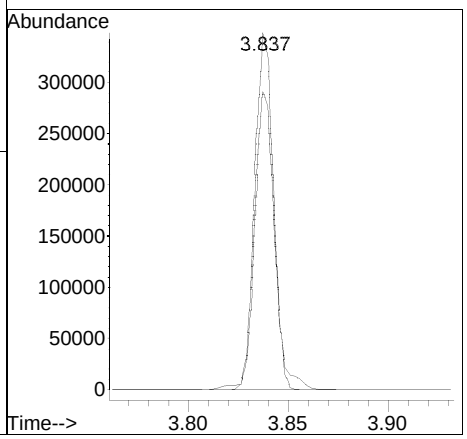


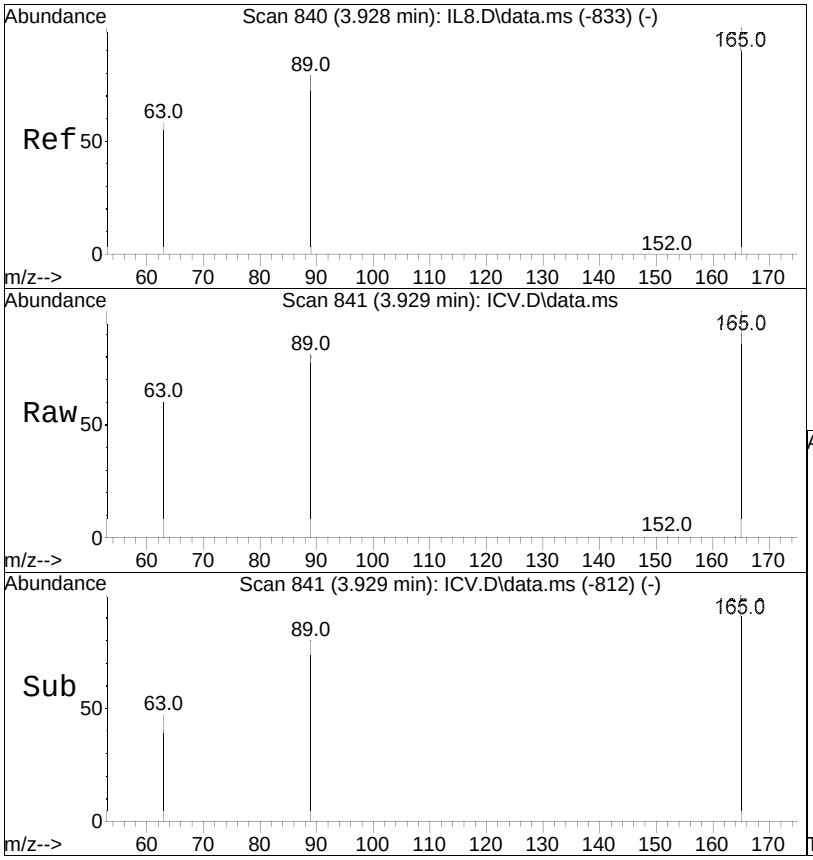


#18
Acenaphthene
Concen: 923.71 ng/ml
RT: 3.837 min Scan# 808
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:153 Resp: 223008

Ion	Ratio	Lower	Upper
153	100		
154	89.7	72.3	108.5

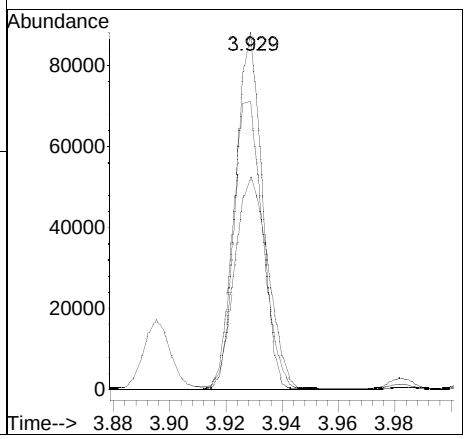


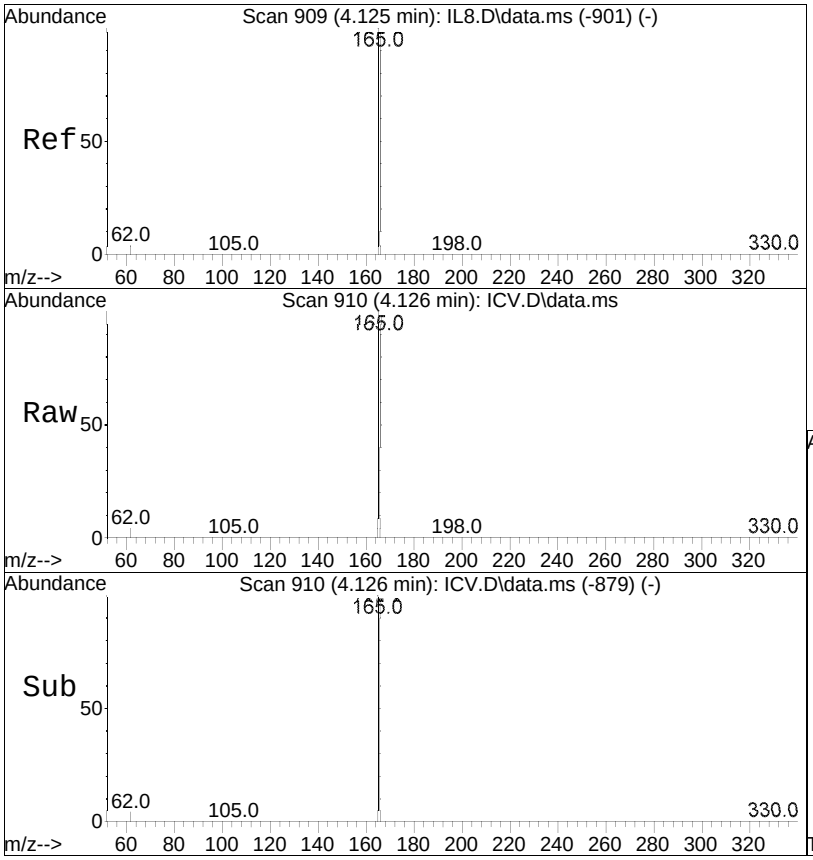


#19
2,4-Dinitrotoluene
Concen: 854.01 ng/ml
RT: 3.929 min Scan# 841
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:165 Resp: 55850

Ion	Ratio	Lower	Upper
165	100		
89	93.7	72.9	109.3
63	77.0	59.0	88.4

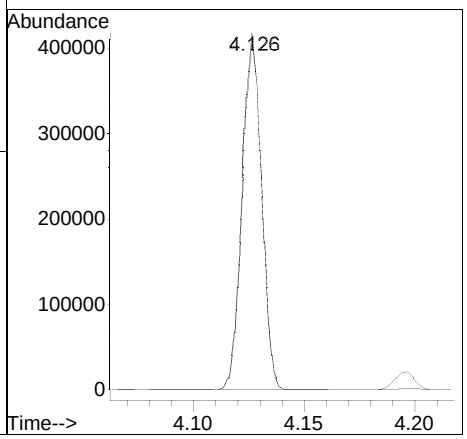


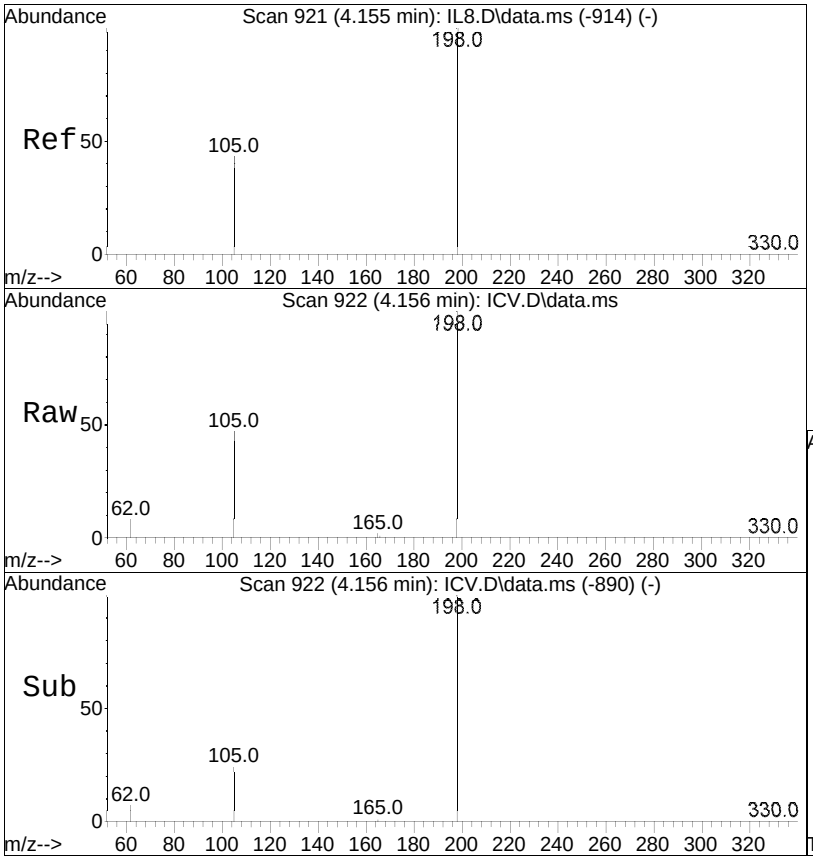


#20
Fluorene
Concen: 936.23 ng/ml
RT: 4.126 min Scan# 910
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:166 Resp: 250469

Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.5	122.3

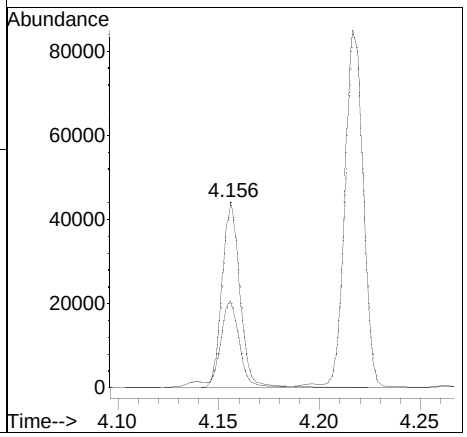


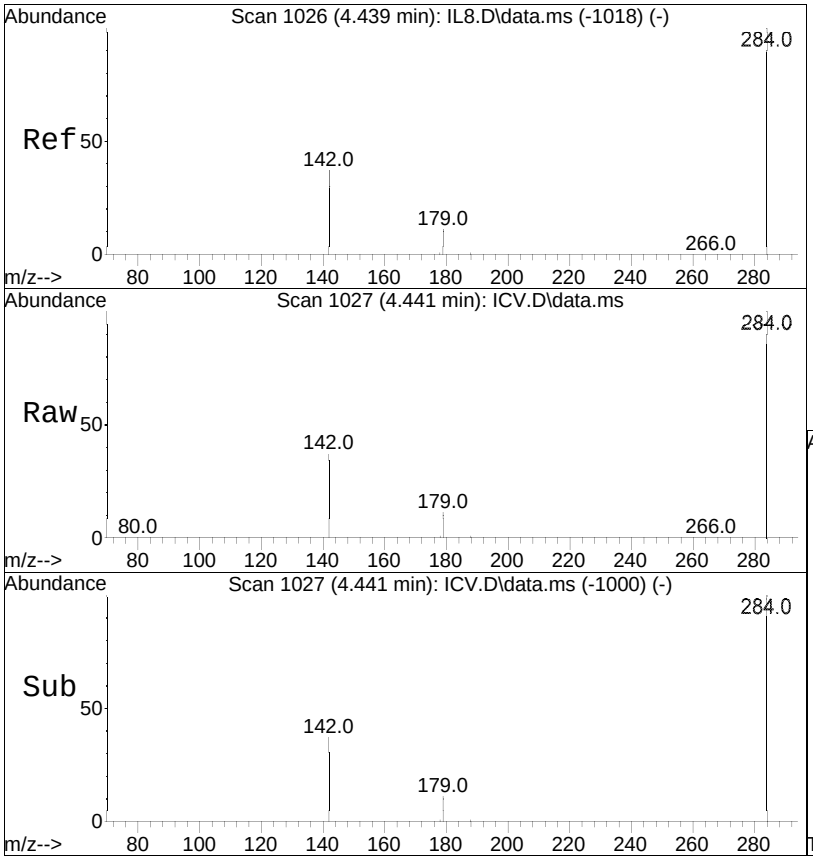


#23
4,6-Dinitro-o-cresol
Concen: 840.76 ng/ml
RT: 4.156 min Scan# 922
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:198 Resp: 27377

Ion	Ratio	Lower	Upper
198	100		
105	45.9	36.2	54.2

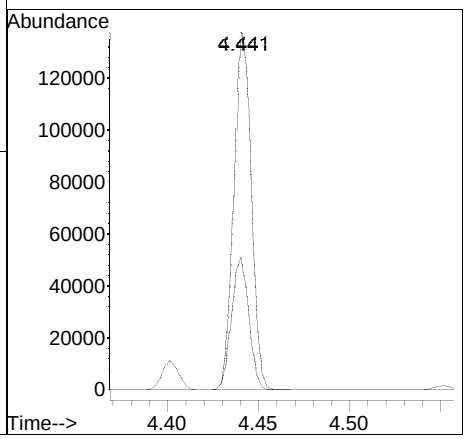


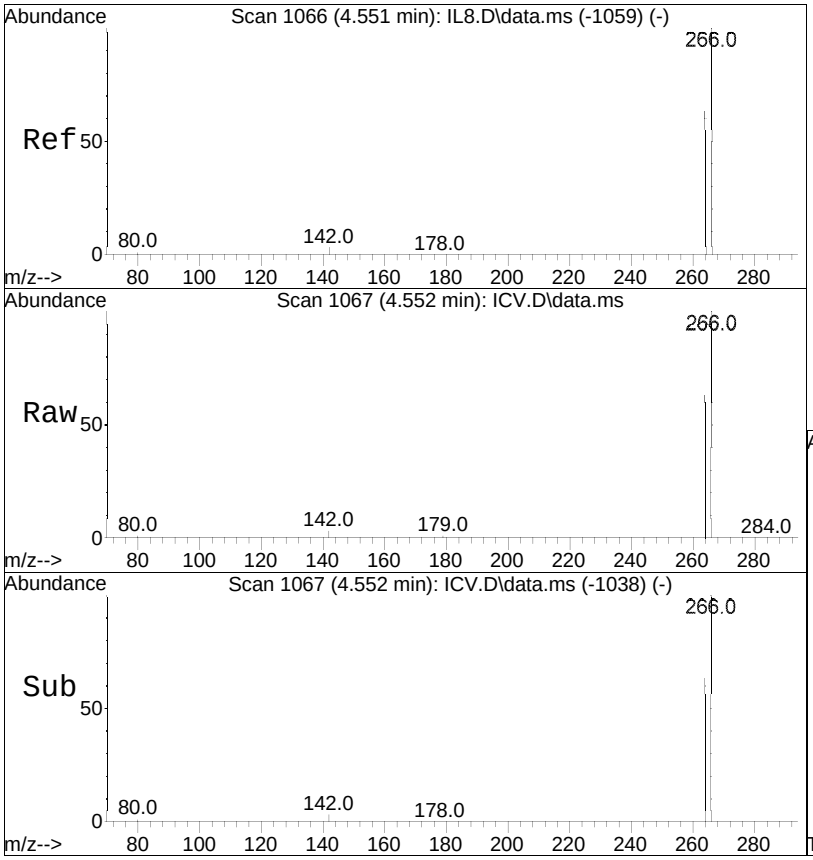


#24
Hexachlorobenzene
Concen: 911.50 ng/ml
RT: 4.441 min Scan# 1027
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:284 Resp: 90272

Ion	Ratio	Lower	Upper
284	100		
142	36.7	29.4	44.2

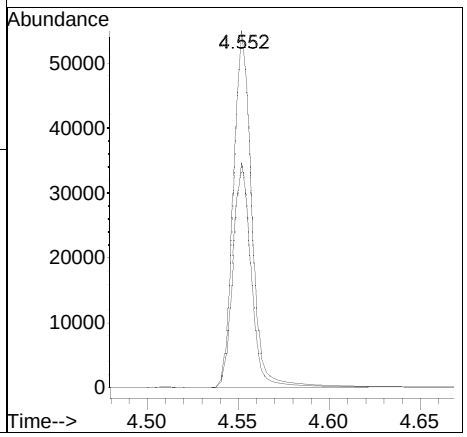


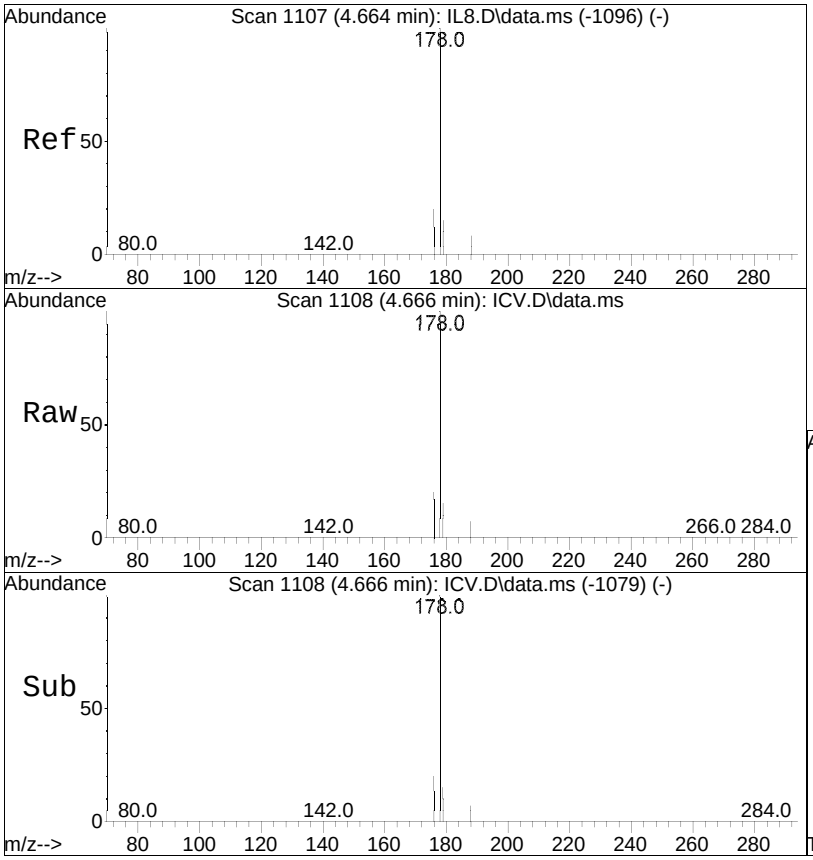


#25
Pentachlorophenol
Concen: 854.81 ng/ml
RT: 4.552 min Scan# 1067
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:266 Resp: 38488

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.2	75.4

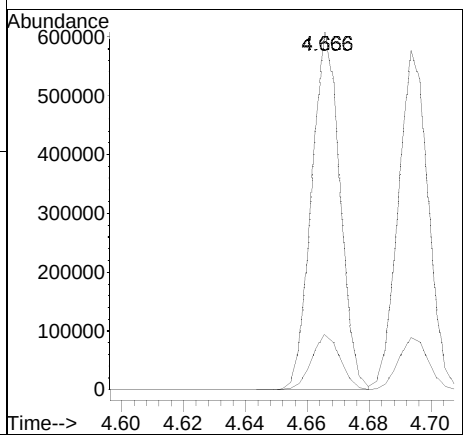


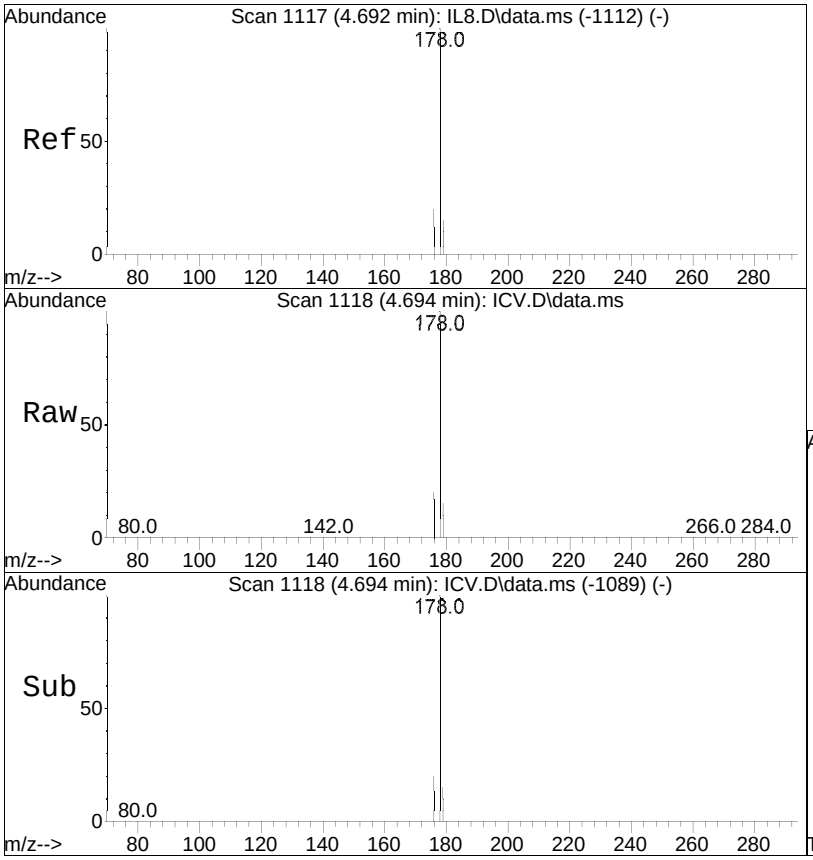


#26
Phenanthrene
Concen: 926.68 ng/ml
RT: 4.666 min Scan# 1108
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:178 Resp: 388665

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

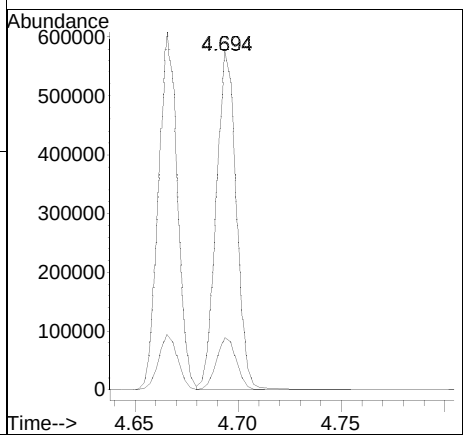


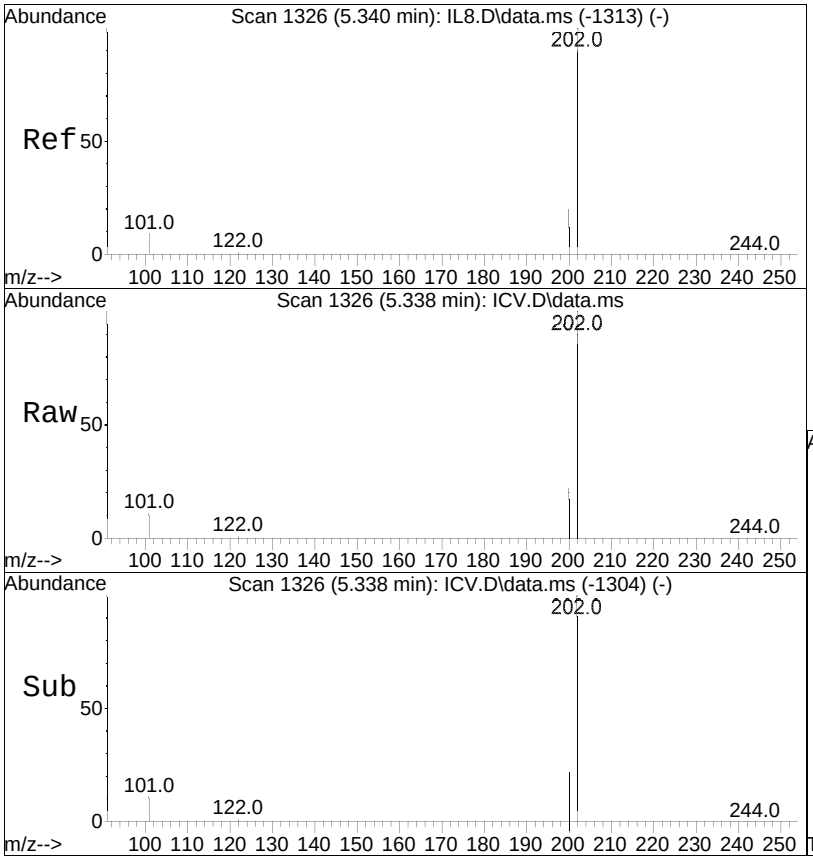


#27
Anthracene
Concen: 962.68 ng/ml
RT: 4.694 min Scan# 1118
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:178 Resp: 389545

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

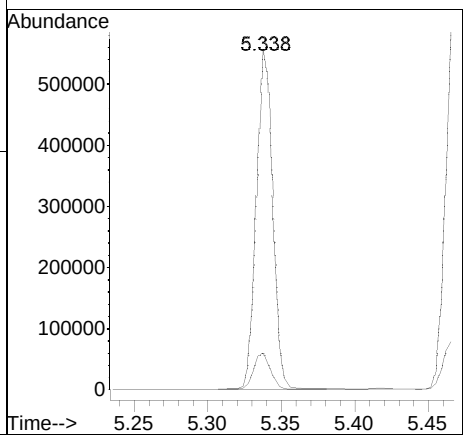


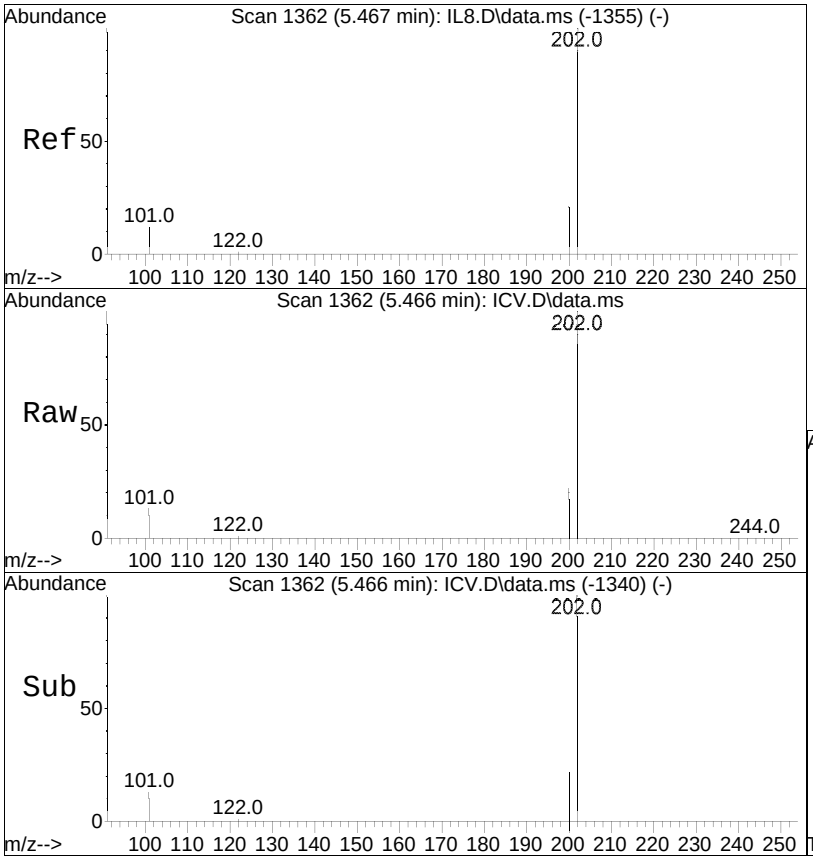


#28
Fluoranthene
Concen: 956.01 ng/ml
RT: 5.338 min Scan# 1326
Delta R.T. -0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:202 Resp: 433244

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.7	13.1

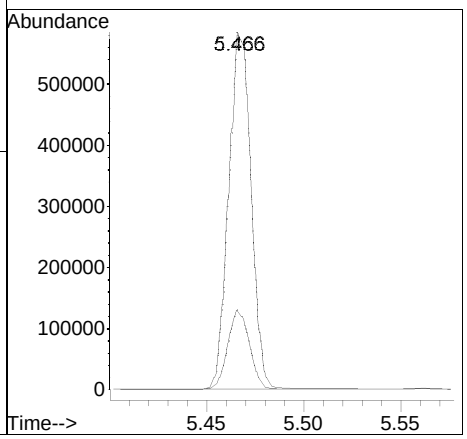


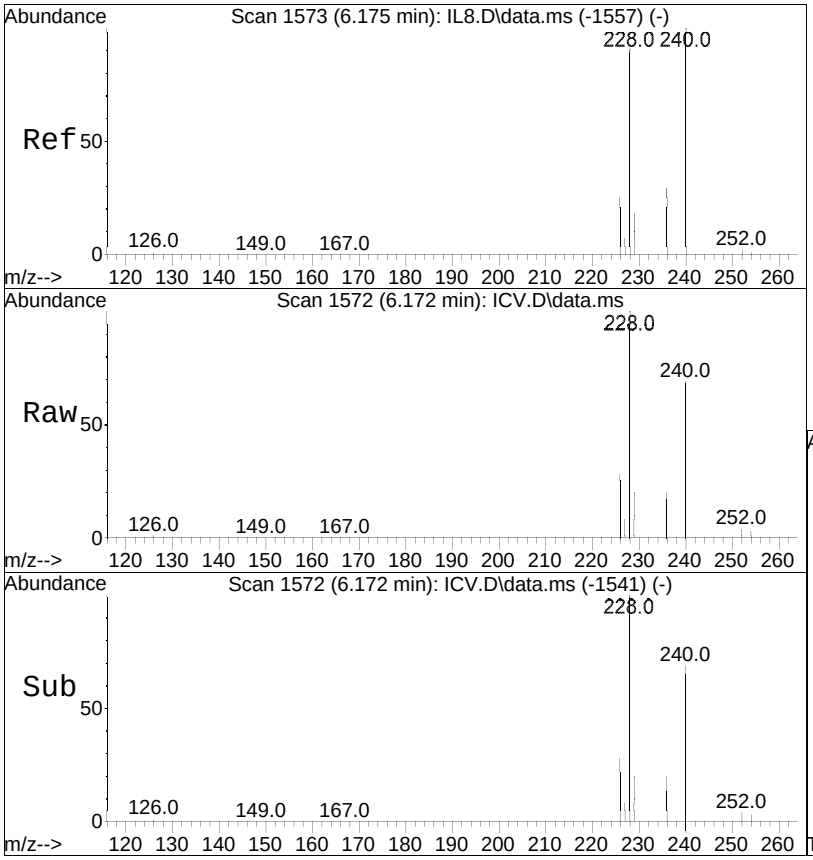


#29
Pyrene
Concen: 981.31 ng/ml
RT: 5.466 min Scan# 1362
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:202 Resp: 463317

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2

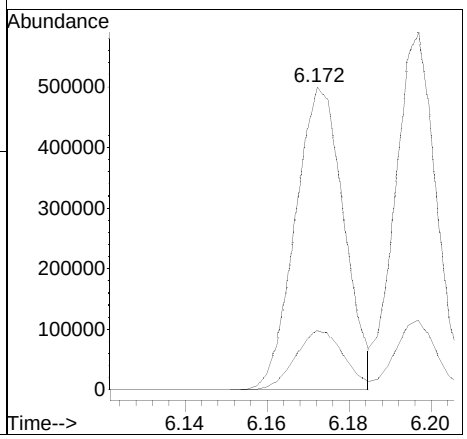


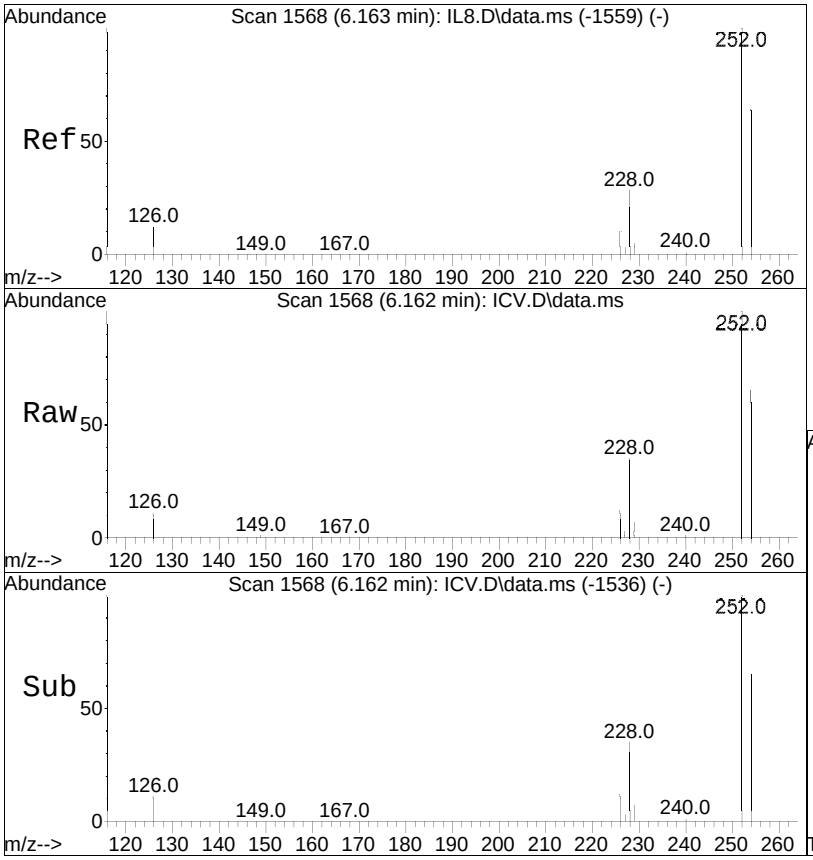


#32
Benzo[a]anthracene
Concen: 928.25 ng/ml
RT: 6.172 min Scan# 1572
Delta R.T. -0.003 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:228 Resp: 411974

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.6

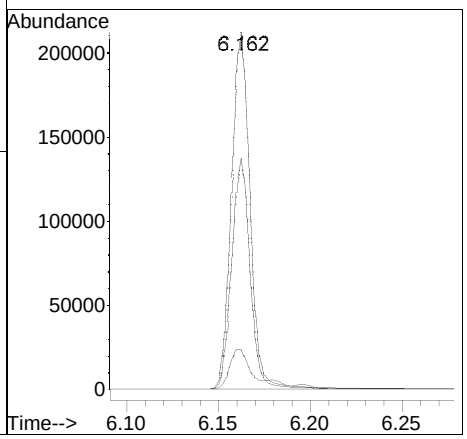


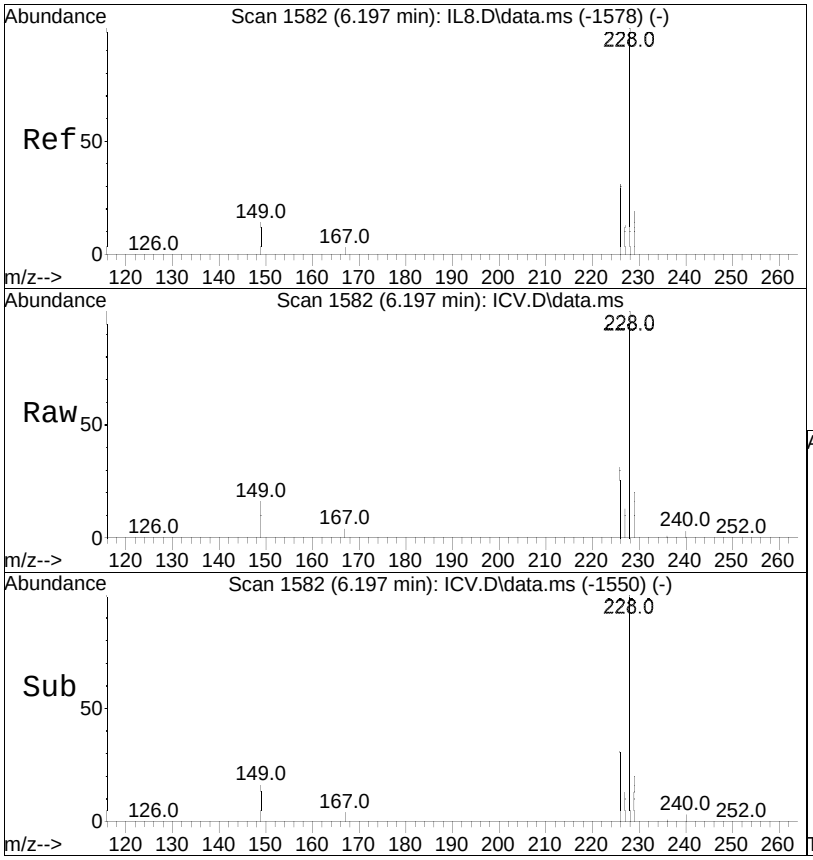


#33
3,3'-Dichlorobenzene
Concen: 900.16 ng/ml
RT: 6.162 min Scan# 1568
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 147041

Ion	Ratio	Lower	Upper
252	100		
126	12.6	11.7	17.5
254	64.6	51.4	77.2

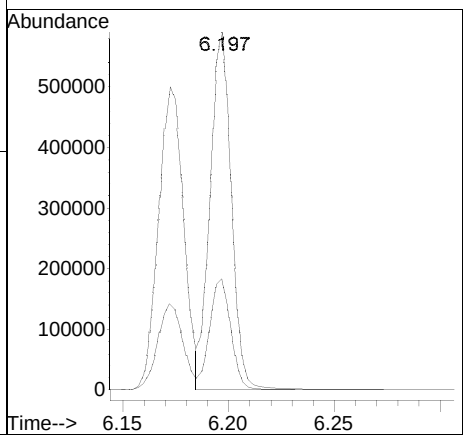


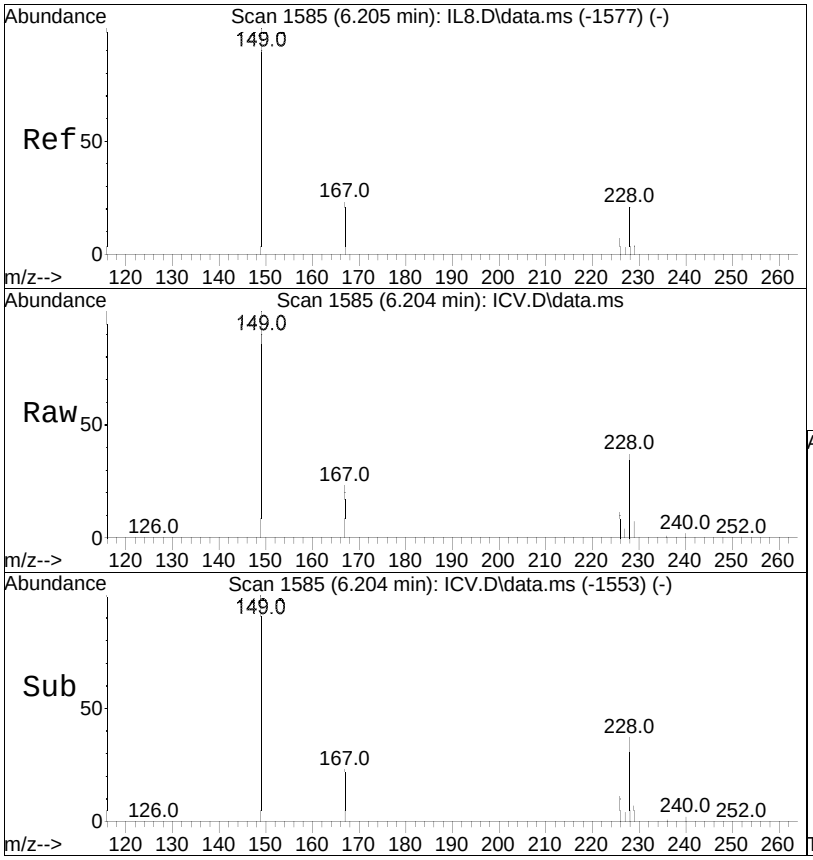


#34
Chrysene
Concen: 961.43 ng/ml
RT: 6.197 min Scan# 1582
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:228 Resp: 409505

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.7	38.5

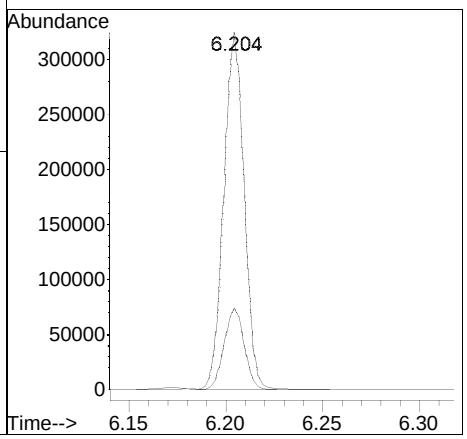


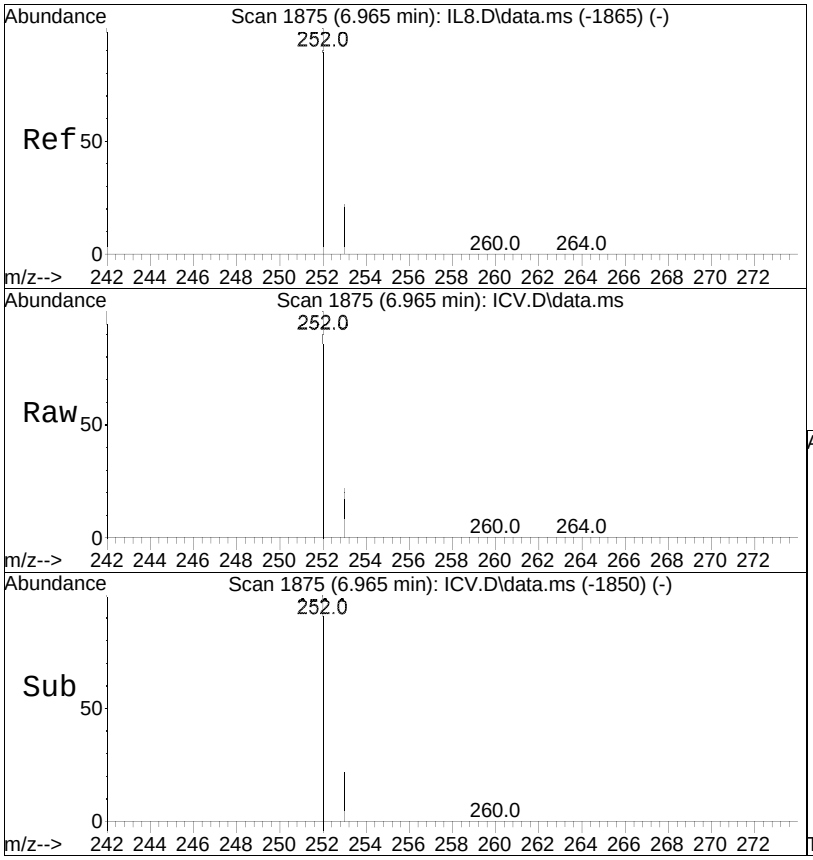


#35
Bis(2-ethylhexyl)phthalate
Concen: 881.23 ng/ml
RT: 6.204 min Scan# 1585
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:149 Resp: 232887

Ion	Ratio	Lower	Upper
149	100		
167	22.8	18.5	27.7

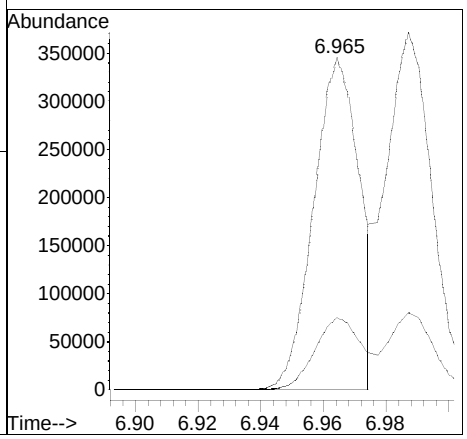


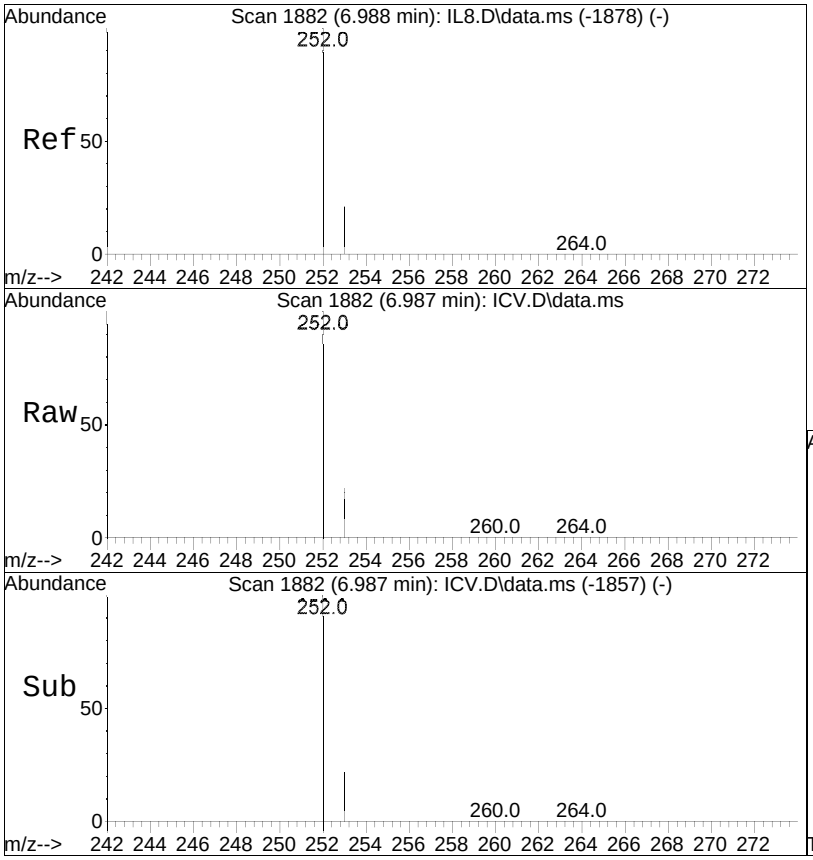


#37
Benzo[b]fluoranthene
Concen: 932.91 ng/ml
RT: 6.965 min Scan# 1875
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 351549

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.3	25.9

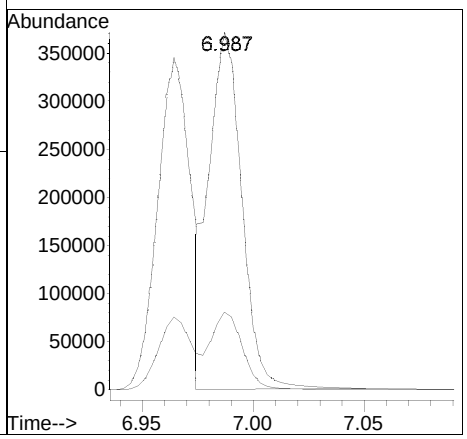


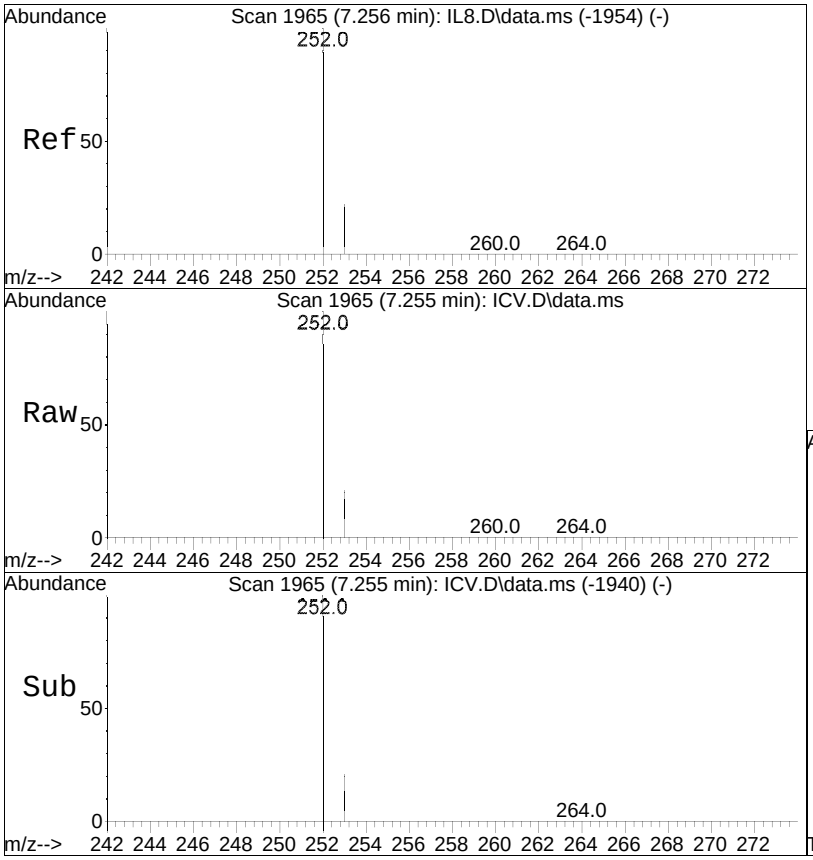


#38
Benzo[k]fluoranthene
Concen: 1070.22 ng/ml
RT: 6.987 min Scan# 1882
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 379963

Ion	Ratio	Lower	Upper
252	100		
253	20.1	17.6	26.4

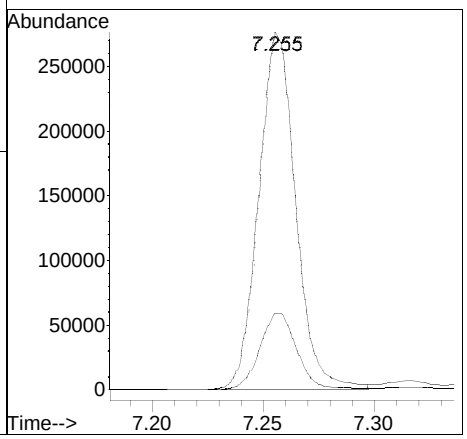


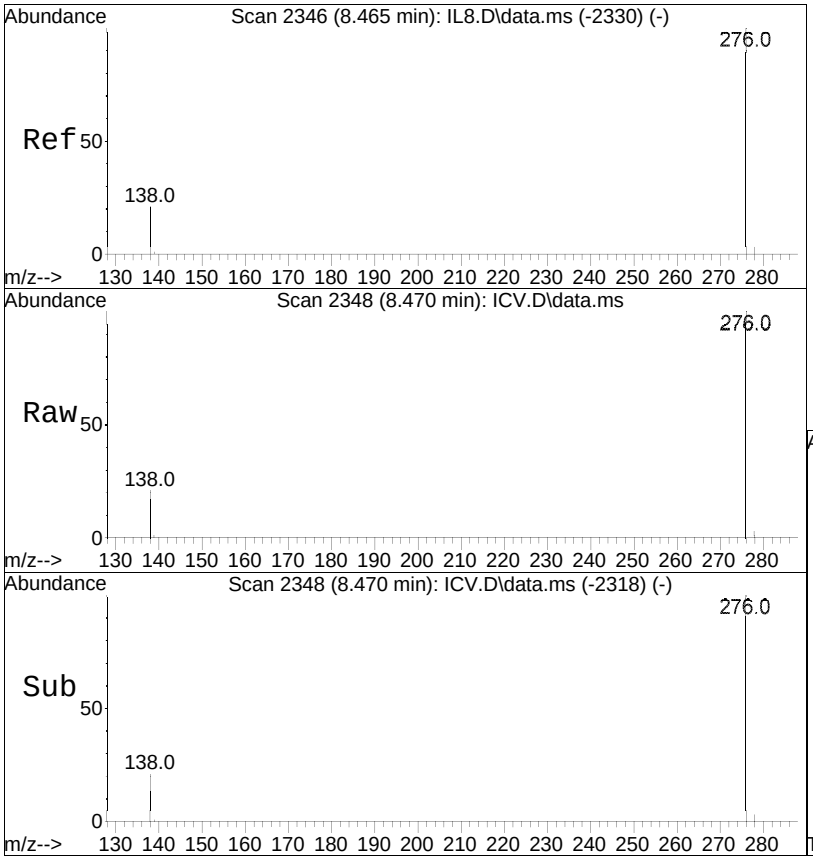


#39
Benzo[a]pyrene
Concen: 1048.38 ng/ml
RT: 7.255 min Scan# 1965
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:252 Resp: 315948

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

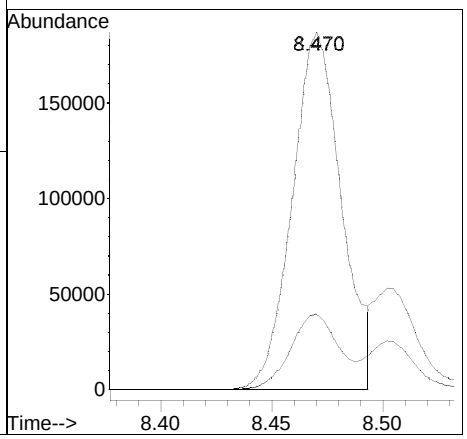


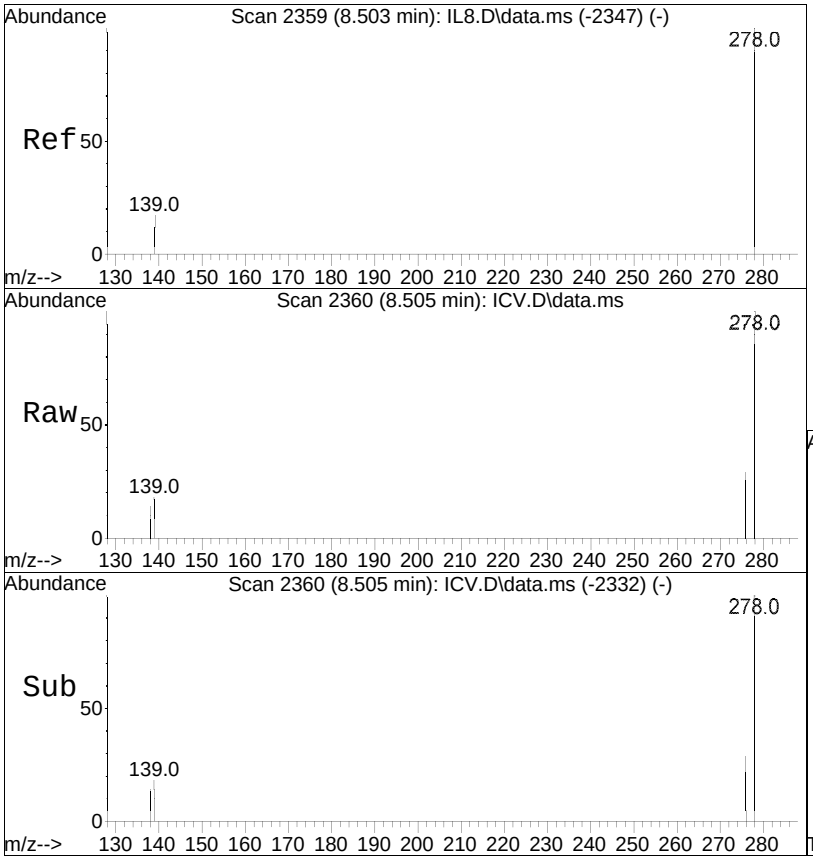


#40
Indeno[1,2,3-cd]pyrene
Concen: 1016.03 ng/ml
RT: 8.470 min Scan# 2348
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:276 Resp: 286922

Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.2	25.8

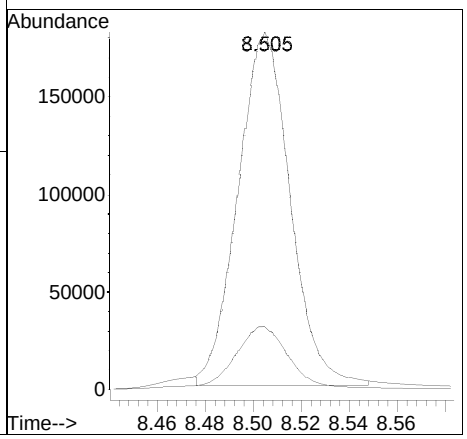


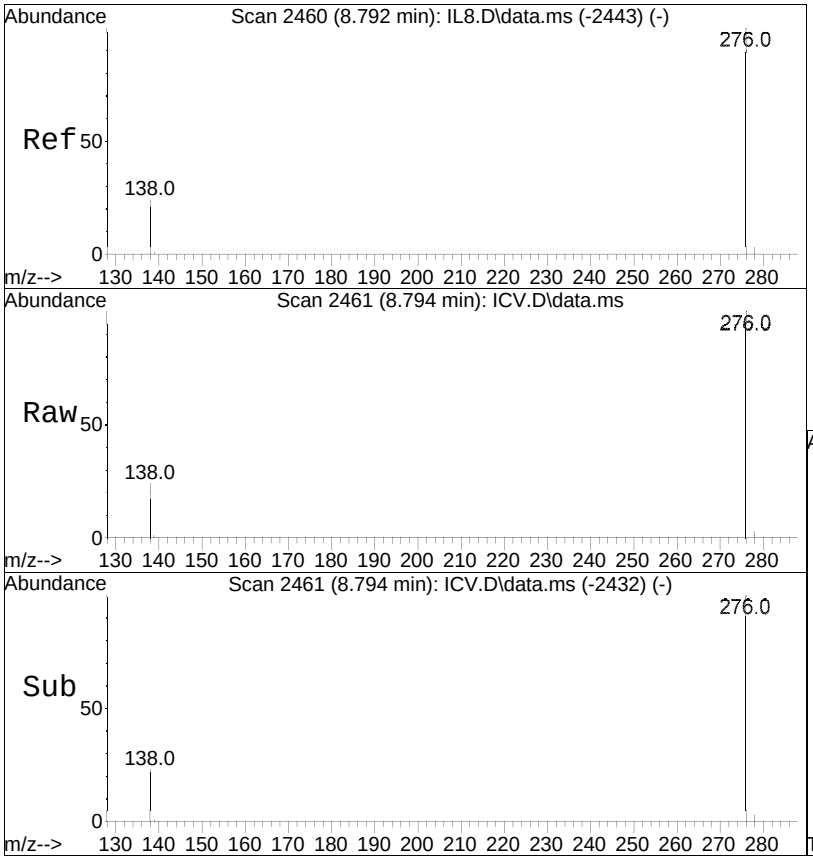


#41
Dibenzo[a,h]anthracene
Concen: 1028.97 ng/ml M6
RT: 8.505 min Scan# 2360
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:278 Resp: 272700

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.7	22.1

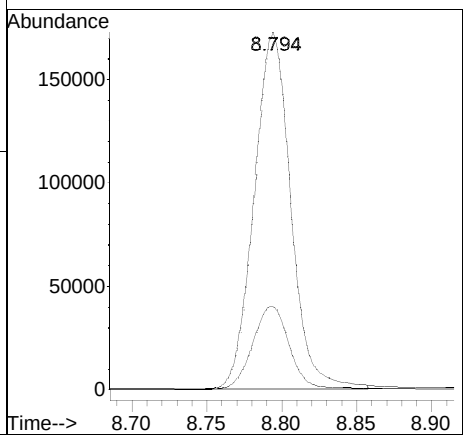




#42
Benzo[g,h,i]perylene
Concen: 1007.13 ng/ml
RT: 8.794 min Scan# 2461
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 28 Jul 2024 07:31 pm

Tgt Ion:276 Resp: 290717

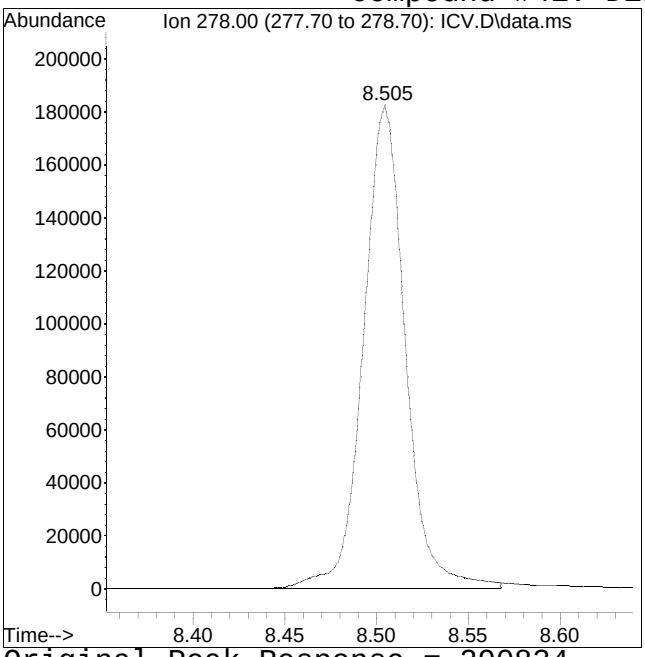
Ion	Ratio	Lower	Upper
276	100		
138	23.6	19.0	28.4

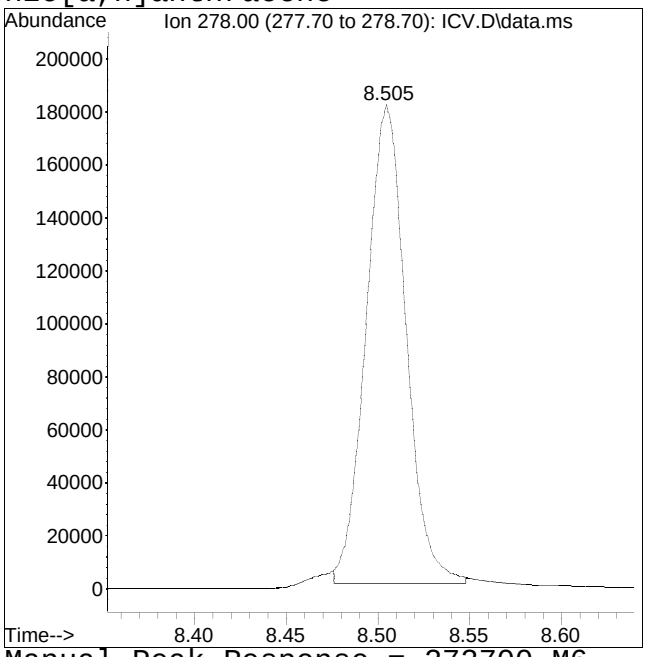


Manual Integration Report

Data Path : I:\8270SIM\sv120\240728RVTQ
Data File : ICV.D
Date Inj'd : 7/28/2024 7:31 pm
Sample : CQICV,32,,1000.0ng/mL lot
Method : SIM-RVT_240728_sv120.M
Operator : SV120:jjw
Instrument : SV120
Quant Date : 8/7/2024 2:45 pm

Compound #41: Dibenzo[a,h]anthracene





Original Peak Response = 290834
Manual Peak Response = 272700 M6
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV120

Method Path : I:\8270SIM\sv120\240728RVTical\
Method File : SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Aug 05 16:14:31 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
15 T	2,6-Dinitrotoluene	L	ng/ml	1000.0	942.430	-5.8	40.00	47.804	19.5
19 T	2,4-Dinitrotoluene	L	ng/ml	1000.0	946.468	-5.4	40.00	47.731	19.3
23 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	971.756	-2.8	40.00	47.181	18.0
25 T	Pentachlorophenol	Q	ng/ml	1000.0	966.909	-3.3	40.00	50.161	25.4
32 T	Benzo[a]anthracene	L	ng/ml	1000.0	989.451	-1.1	5.00	5.708	14.2
33 T	3,3'-Dichlorobenzene	L	ng/ml	1000.0	931.220	-6.9	40.00	48.551	21.4
35 T	Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	973.291	-2.7	40.00	47.532	18.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
15 T	2,6-Dinitrotoluene	Linear	0.998470	0.000000	0.167136	-0.000940123
19 T	2,4-Dinitrotoluene	Linear	0.998715	0.000000	0.402049	-0.00241458
23 T	4,6-Dinitro-o-cresol	Quadratic	0.998721	0.017163	0.0918702	-0.000685645
25 T	Pentachlorophenol	Quadratic	0.997264	0.031614	0.126484	-0.00122468
32 T	Benzo[a]anthracene	Linear	0.999835	0.000000	1.50398	0.00277716
33 T	3,3'-Dichlorobenzene	Linear	0.998266	0.000000	0.57304	-0.00339576
35 T	Bis(2-ethylhexyl)phthalate	Quadratic	0.998646	0.162559	0.891426	-0.00541152

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV119	**Calibration Date**	: 08/25/24 11:10		
Lab File ID	: CCV0825	**Init. Calib. Date(s)**	: 06/21/24	06/21/24	
Sample No	: WG1963571-3	**Init. Calib. Times**	: 14:50	17:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
2-Fluorophenol	1.411	1.26	.05	10.7	20	140	0
Phenol-d6	1.78	1.667	.05	6.3	20	141	0
Bis(2-chloroethyl)ether	1.43	1.262	.05	11.7	20	139	0
n-nitrosodi-n-propylamine	1.088	0.902	.05	17.1	20	123	0
Hexachloroethane	0.664	0.609	.05	8.3	20	148	0
Nitrobenzene-d5	1.561	1.303	.05	16.5	20	126	0
Naphthalene-d8	1	1	.05	0	20	147	0
Naphthalene	1.104	1.046	.05	5.3	20	142	0
Hexachlorobutadiene	0.248	0.258	.05	-4	20	159	0
2-Methylnaphthalene	0.83	0.797	.05	4	20	139	0
1-Methylnaphthalene	0.802	0.716	.05	10.7	20	136	0
2-Fluorobiphenyl	1.034	0.931	.05	10	20	140	0
2-Chloronaphthalene	0.894	0.849	.05	5	20	142	0
2,6-Dinitrotoluene	0.241	0.223	.05	7.5	20	127	0
Acenaphthylene	1.429	1.25	.05	12.5	20	130	0
Acenaphthene-d10	1	1	.05	0	20	134	0
Acenaphthene	1.396	1.399	.05	-0.2	20	135	0
2,4-Dinitrotoluene	0.535	0.54	.05	-0.9	20	121	0
Fluorene	1.84	1.733	.05	5.8	20	129	0
2,4,6-Tribromophenol	0.279	0.321	.05	-15.1	20	139	0
Phenanthrene-d10	1	1	.05	0	20	118	0
4,6-Dinitro-o-cresol	1000	893.176	.05	10.7	20	106	0
Hexachlorobenzene	0.275	0.309	.05	-12.4	20	140	0
Pentachlorophenol	1000	1068.277	.05	-6.8	20	122	0
Phenanthrene	1.163	1.116	.05	4	20	118	0
Anthracene	1.201	1.198	.05	0.2	20	117	0
Fluoranthene	1.597	1.468	.05	8.1	20	116	0
Pyrene	1.655	1.506	.05	9	20	116	0
4-Terphenyl-d14	1.106	0.901	.05	18.5	20	104	0
Chrysene-d12	1	1	.05	0	20	115	0
Benzo[a]anthracene	1000	1038.688	.05	-3.9	20	112	0
3,3'-Dichlorobenzene	0.611	0.773	.05	-26.5*	20	135	0
Chrysene	1.489	1.439	.05	3.4	20	109	0
Bis(2-ethylhexyl)phthalate	1000	979.078	.05	2.1	20	111	0
Perylene-d12	1	1	.05	0	20	120	0
Benzo[b]fluoranthene	1.657	1.528	.05	7.8	20	113	0
Benzo[k]fluoranthene	1.531	1.431	.05	6.5	20	122	0
Benzo[a]pyrene	1.467	1.415	.05	3.5	20	118	0
Indeno[1,2,3-cd]pyrene	1.483	1.516	.05	-2.2	20	123	0
Dibenzo[a,h]anthracene	1.321	1.298	.05	1.7	20	121	0
Benzo[g,h,i]perylene	1.459	1.395	.05	4.4	20	120	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 08/27/24 07:54		
Lab File ID	: CCV0827	**Init. Calib. Date(s)**	: 07/28/24	07/28/24	
Sample No	: WG1964292-3	**Init. Calib. Times**	: 16:50	19:15	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	136	0
2-Fluorophenol	1.188	1.157	.05	2.6	20	134	0
Phenol-d6	1.445	1.515	.05	-4.8	20	144	0
Bis(2-chloroethyl)ether	1.315	1.229	.05	6.5	20	135	0
n-nitrosodi-n-propylamine	0.87	0.905	.05	-4	20	141	0
Hexachloroethane	0.561	0.533	.05	5	20	132	0
Nitrobenzene-d5	1.176	1.342	.05	-14.1	20	151	0
Naphthalene-d8	1	1	.05	0	20	138	0
Naphthalene	1.149	1.032	.05	10.2	20	133	0
Hexachlorobutadiene	0.197	0.191	.05	3	20	139	0
2-Methylnaphthalene	0.729	0.71	.05	2.6	20	137	0
1-Methylnaphthalene	0.68	0.664	.05	2.4	20	138	0
2-Fluorobiphenyl	0.862	0.838	.05	2.8	20	140	0
2-Chloronaphthalene	0.741	0.711	.05	4	20	136	0
2,6-Dinitrotoluene	1000	1042.892	.05	-4.3	20	154	0
Acenaphthylene	1.063	1.104	.05	-3.9	20	137	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.442	1.293	.05	10.3	20	136	0
2,4-Dinitrotoluene	1000	1014.137	.05	-1.4	20	154	0
Fluorene	1.598	1.48	.05	7.4	20	138	0
2,4,6-Tribromophenol	0.22	0.207	.05	5.9	20	123	0
Phenanthrene-d10	1	1	.05	0	20	145	0
4,6-Dinitro-o-cresol	1000	1137.73	.05	-13.8	20	171	0
Hexachlorobenzene	0.28	0.235	.05	16.1	20	128	0
Pentachlorophenol	1000	961.754	.05	3.8	20	144	0
Phenanthrene	1.188	1.061	.05	10.7	20	135	0
Anthracene	1.146	1.088	.05	5.1	20	137	0
Fluoranthene	1.283	1.223	.05	4.7	20	138	0
Pyrene	1.337	1.282	.05	4.1	20	137	0
4-Terphenyl-d14	0.838	0.848	.05	-1.2	20	151	0
Chrysene-d12	1	1	.05	0	20	139	0
Benzo[a]anthracene	1000	913.114	.05	8.7	20	128	0
3,3'-Dichlorobenzene	1000	926.622	.05	7.3	20	138	0
Chrysene	1.455	1.373	.05	5.6	20	134	0
Bis(2-ethylhexyl)phthalate	1000	893.33	.05	10.7	20	126	0
Perylene-d12	1	1	.05	0	20	140	0
Benzo[b]fluoranthene	1.35	1.298	.05	3.9	20	136	0
Benzo[k]fluoranthene	1.272	1.261	.05	0.9	20	126	0
Benzo[a]pyrene	1.08	1.128	.05	-4.4	20	133	0
Indeno[1,2,3-cd]pyrene	1.012	1.092	.05	-7.9	20	143	0
Dibenzo[a,h]anthracene	0.95	1.073	.05	-12.9	20	144	0
Benzo[g,h,i]perylene	1.034	1.069	.05	-3.4	20	136	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : ccv0825.D
Acq On : 25 Aug 2024 11:10 am
Operator : sv119:rp
Sample : WG1963571-3,32,,ICV lot 10884 (0806a)
Misc : WG1963571,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 25 11:26:00 2024
Quant Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	157	0.00
2	s	2-Fluorophenol	1.411	1.260	10.7	140	0.00
3	s	Phenol-d6	1.780	1.667	6.3	141	0.00
4	T	Bis(2-chloroethyl)ether	1.430	1.262	11.7	139	0.00
5	T	n-nitrosodi-n-propylamine	1.088	0.902	17.1	123	0.00
6	t	Hexachloroethane	0.664	0.609	8.3	148	0.00
7	s	Nitrobenzene-d5	1.561	1.303	16.5	126	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	147	0.00
9	t	Naphthalene	1.104	1.046	5.3	142	0.00
10	t	Hexachlorobutadiene	0.248	0.258	-4.0	159	0.00
11	t	2-Methylnaphthalene	0.830	0.797	4.0	139	0.00
12	t	1-Methylnaphthalene	0.802	0.716	10.7	136	0.00
13	s	2-Fluorobiphenyl	1.034	0.931	10.0	140	0.00
14	t	2-Chloronaphthalene	0.894	0.849	5.0	142	0.00
15	t	2,6-Dinitrotoluene	0.241	0.223	7.5	127	0.00
16	t	Acenaphthylene	1.429	1.250	12.5	130	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	134	0.00
18	t	Acenaphthene	1.396	1.399	-0.2	135	0.00
19	t	2,4-Dinitrotoluene	0.535	0.540	-0.9	121	0.00
20	t	Fluorene	1.840	1.733	5.8	129	0.00
21	s	2,4,6-Tribromophenol	0.279	0.321	-15.1	139	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	118	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	893.176	10.7	106	0.00
24	t	Hexachlorobenzene	0.275	0.309	-12.4	140	0.00
25	t	Pentachlorophenol	*1000.000	1068.277	-6.8	122	0.00
26	t	Phenanthrene	1.163	1.116	4.0	118	0.00
27	t	Anthracene	1.201	1.198	0.2	117	0.00
28	t	Fluoranthene	1.597	1.468	8.1	116	0.00
29	t	Pyrene	1.655	1.506	9.0	116	0.00
30	s	4-Terphenyl-d14	1.106	0.901	18.5	104	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	115	0.00
32	t	Benzo[a]anthracene	*1000.000	1038.688	-3.9	112	0.00
33	t	3,3'-Dichlorobenzene	0.611	0.773	-26.5#	135	0.00
34	t	Chrysene	1.489	1.439	3.4	109	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	979.078	2.1	111	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : ccv0825.D
Acq On : 25 Aug 2024 11:10 am
Operator : sv119:rp
Sample : WG1963571-3,32,,ICV lot 10884 (0806a)
Misc : WG1963571,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 25 11:26:00 2024
Quant Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:33 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	120	0.00
37	t	Benzo[b]fluoranthene	1.657	1.528	7.8	113	0.00
38	t	Benzo[k]fluoranthene	1.531	1.431	6.5	122	0.00
39	t	Benzo[a]pyrene	1.467	1.415	3.5	118	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.483	1.516	-2.2	123	0.00
41	t	Dibenzo[a,h]anthracene	1.321	1.298	1.7	121	0.00
42	t	Benzo[g,h,i]perylene	1.459	1.395	4.4	120	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : ccv0825.D
Acq On : 25 Aug 2024 11:10 am
Operator : sv119:rp
Sample : WG1963571-3,32,,ICV lot 10884 (0806a)
Misc : WG1963571,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 25 11:26:00 2024
Quant Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:33 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.304	152	292472	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.961	136	1019441	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.932	164	567003	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.771	188	1214066	4000.000	ng/ml	0.00
31) Chrysene-d12	6.398	240	1114425	4000.000	ng/ml	0.00
36) Perylene-d12	7.656	264	1176794	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.733	112	92150	893.180	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.66%			
3) Phenol-d6	2.117	99	121886	936.691	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.83%			
7) Nitrobenzene-d5	2.581	82	95248	834.475	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.45%			
13) 2-Fluorobiphenyl	3.552	172	237348	900.575	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.06%			
21) 2,4,6-Tribromophenol	4.375	330	45441	1147.813	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.39%			
30) 4-Terphenyl-d14	5.715	244	273467	814.807	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 40.74%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.168	93	92304	882.930	ng/ml	84
5) n-nitrosodi-n-propylamine	2.499	70	65917	828.256	ng/ml	93
6) Hexachloroethane	2.559	117	44558	918.265	ng/ml	92
9) Naphthalene	2.972	128	266680	947.516	ng/ml	100
10) Hexachlorobutadiene	3.041	225	65842	1042.206	ng/ml	100
11) 2-Methylnaphthalene	3.349	142	203169	960.524	ng/ml	99
12) 1-Methylnaphthalene	3.404	142	182353	891.895	ng/ml	99
14) 2-Chloronaphthalene	3.617	162	216464	949.870	ng/ml	93
15) 2,6-Dinitrotoluene	3.809	165	56755	924.883	ng/ml#	83
16) Acenaphthylene	3.850	152	318616	875.115	ng/ml	100
18) Acenaphthene	3.948	153	198352	1002.197	ng/ml	93
19) 2,4-Dinitrotoluene	4.036	165	76555	1010.046	ng/ml#	76
20) Fluorene	4.237	166	245653	941.696	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.266	198	44521	893.176	ng/ml	86
24) Hexachlorobenzene	4.556	284	93685	1123.842	ng/ml	92
25) Pentachlorophenol	4.667	266	55729	1068.277	ng/ml	99
26) Phenanthrene	4.783	178	338653	959.496	ng/ml	99
27) Anthracene	4.813	178	363539	996.909	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : ccv0825.D
Acq On : 25 Aug 2024 11:10 am
Operator : sv119:rp
Sample : WG1963571-3,32,,ICV lot 10884 (0806a)
Misc : WG1963571,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 25 11:26:00 2024
Quant Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:33 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.481	202	445692	919.641	ng/ml	98
29) Pyrene	5.619	202	457133	910.252	ng/ml	99
32) Benzo[a]anthracene	6.388	228	437846	1038.688	ng/ml	100
33) 3,3'-Dichlorobenzene	6.372	252	215271	1264.725	ng/ml#	97
34) Chrysene	6.414	228	400905	966.577	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.415	149	294824	979.078	ng/ml	99
37) Benzo[b]fluoranthene	7.265	252	449446	922.127	ng/ml	100
38) Benzo[k]fluoranthene	7.290	252	420973	934.908	ng/ml	99
39) Benzo[a]pyrene	7.582	252	416313	964.407	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.902	276	445903	1021.826	ng/ml	99
41) Dibenzo[a,h]anthracene	8.939	278	381750M6	982.064	ng/ml	
42) Benzo[g,h,i]perylene	9.255	276	410364	956.051	ng/ml	98

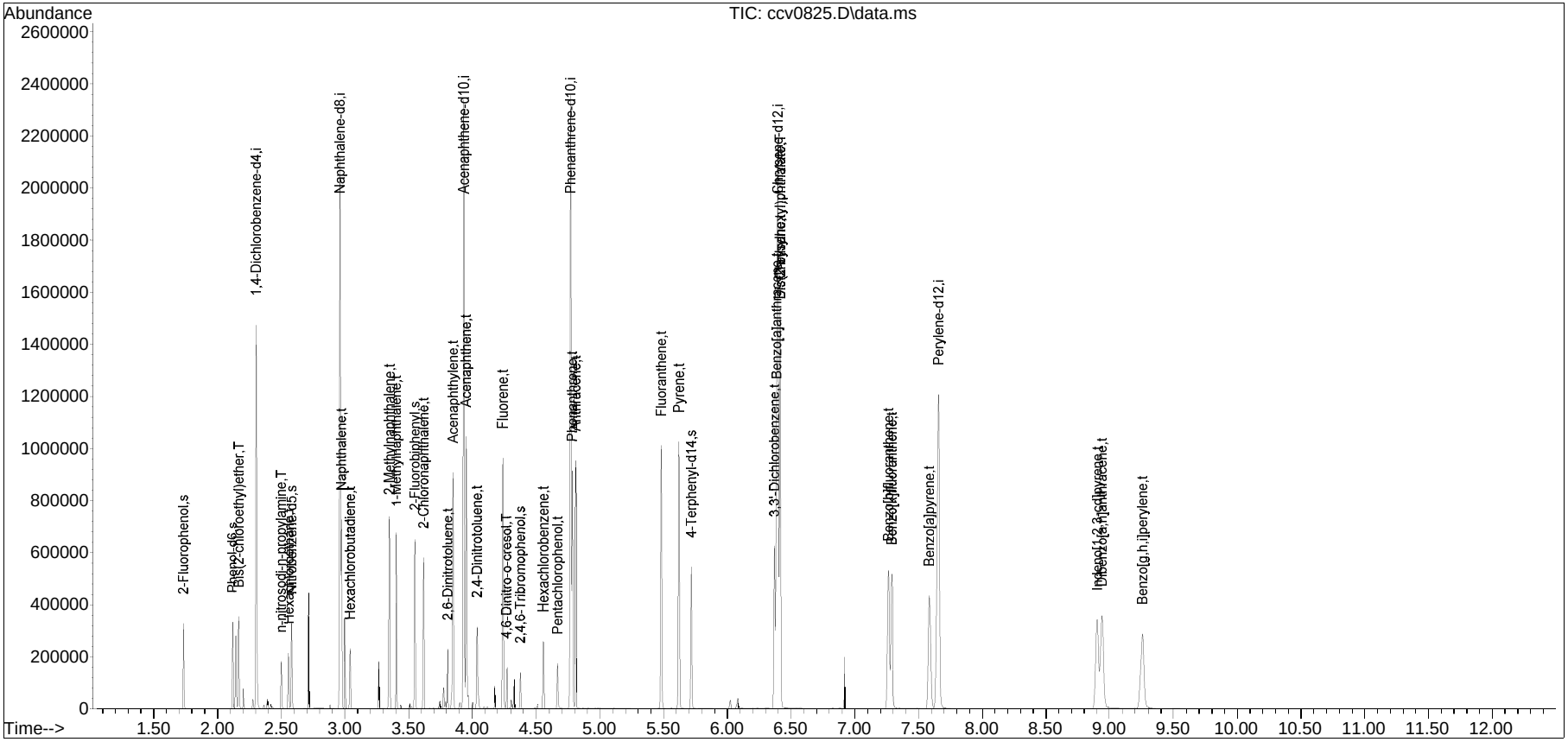
(#) = qualifier out of range (m) = manual integration (+) = signals summed

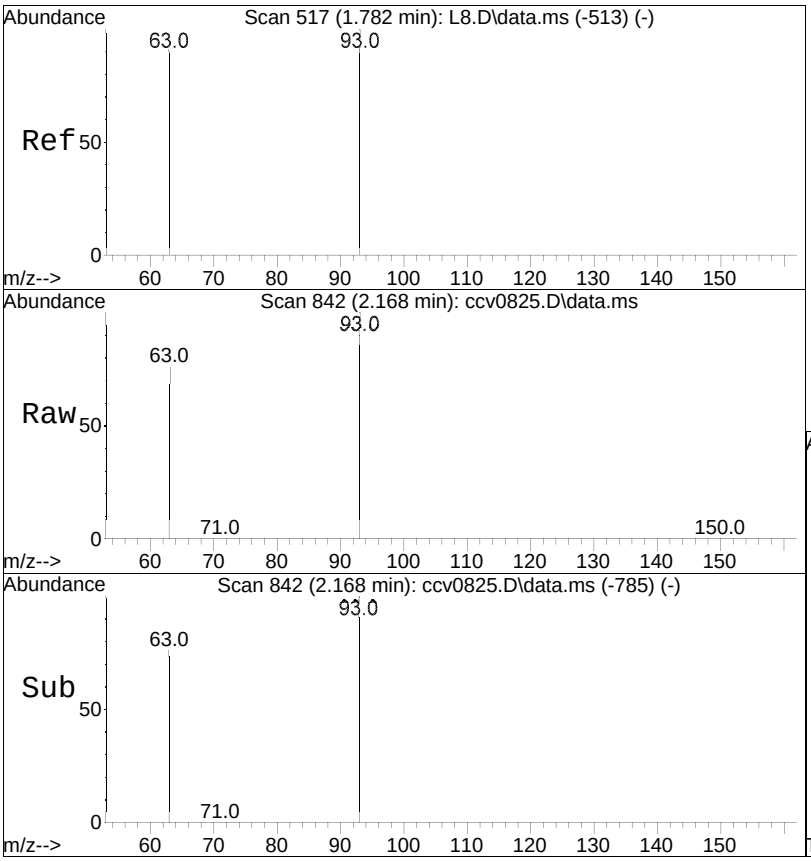
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : ccv0825.D
Acq On : 25 Aug 2024 11:10 am
Operator : sv119:rp
Sample : WG1963571-3,32,,ICV lot 10884 (0806a)
Misc : WG1963571,,ical21236
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 25 11:26:00 2024
Quant Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:33 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

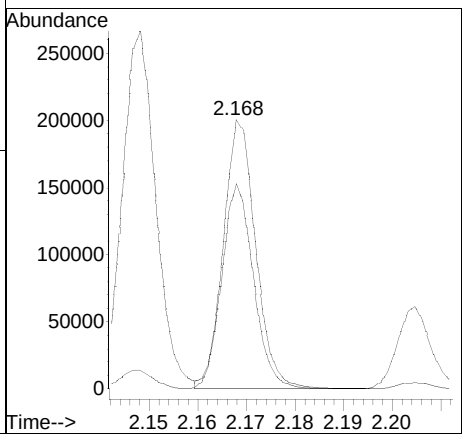


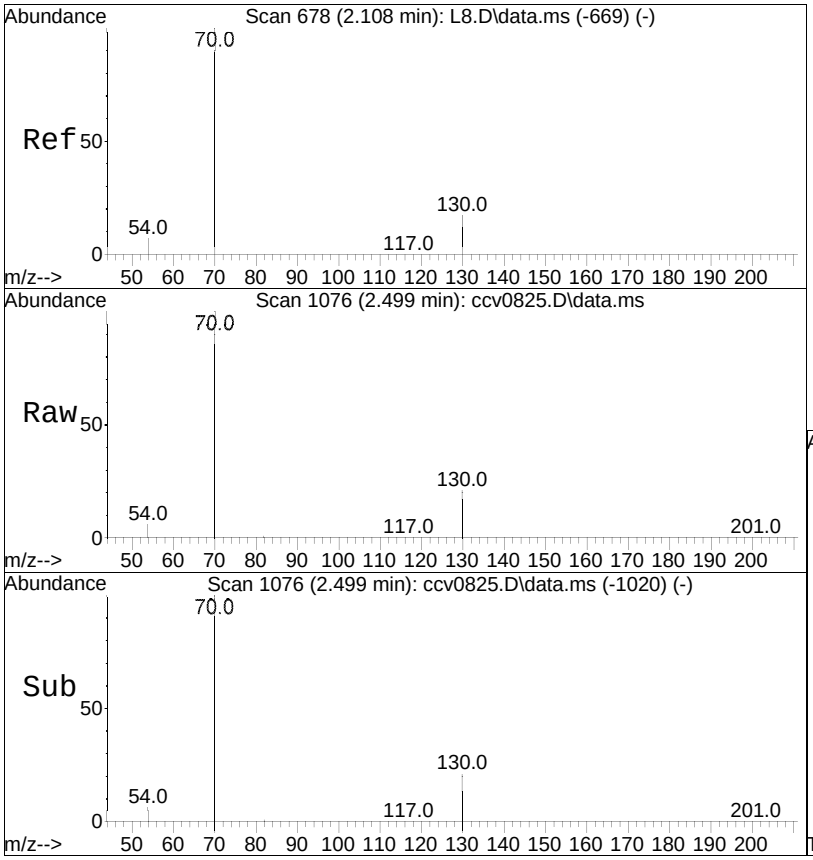


#4
Bis(2-chloroethyl)ether
Concen: 882.93 ng/ml
RT: 2.168 min Scan# 842
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion: 93 Resp: 92304

Ion	Ratio	Lower	Upper
93	100		
63	74.9	71.7	107.5

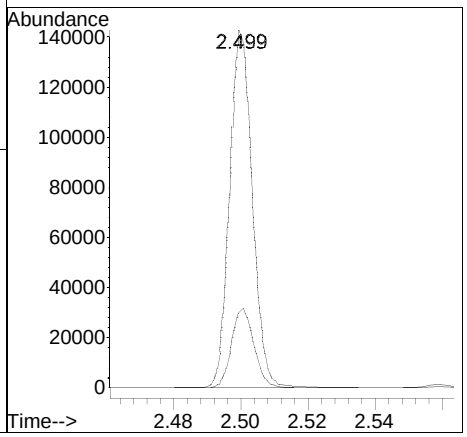


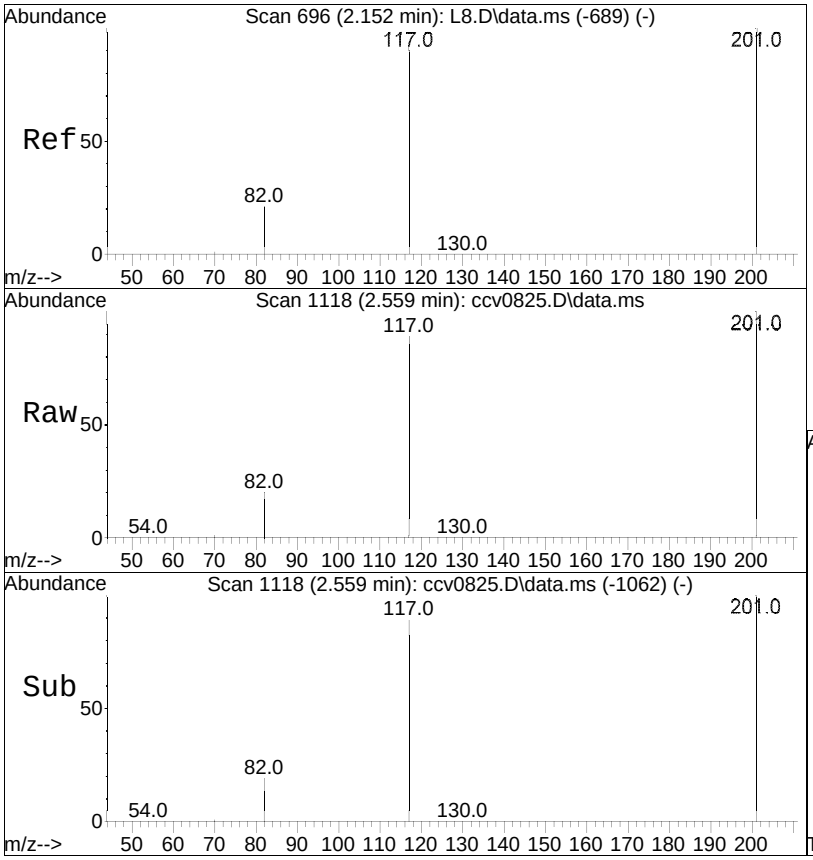


#5
n-nitrosodi-n-propylamine
Concen: 828.26 ng/ml
RT: 2.499 min Scan# 1076
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion: 70 Resp: 65917

Ion	Ratio	Lower	Upper
70	100		
130	22.0	15.1	22.7

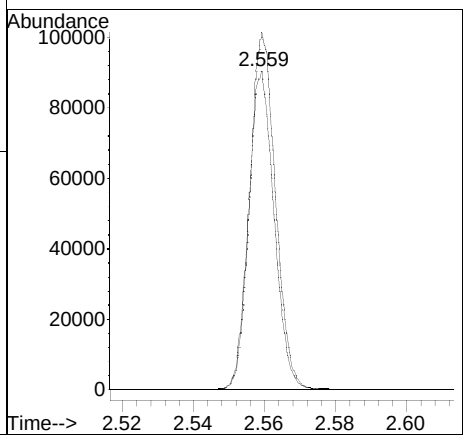


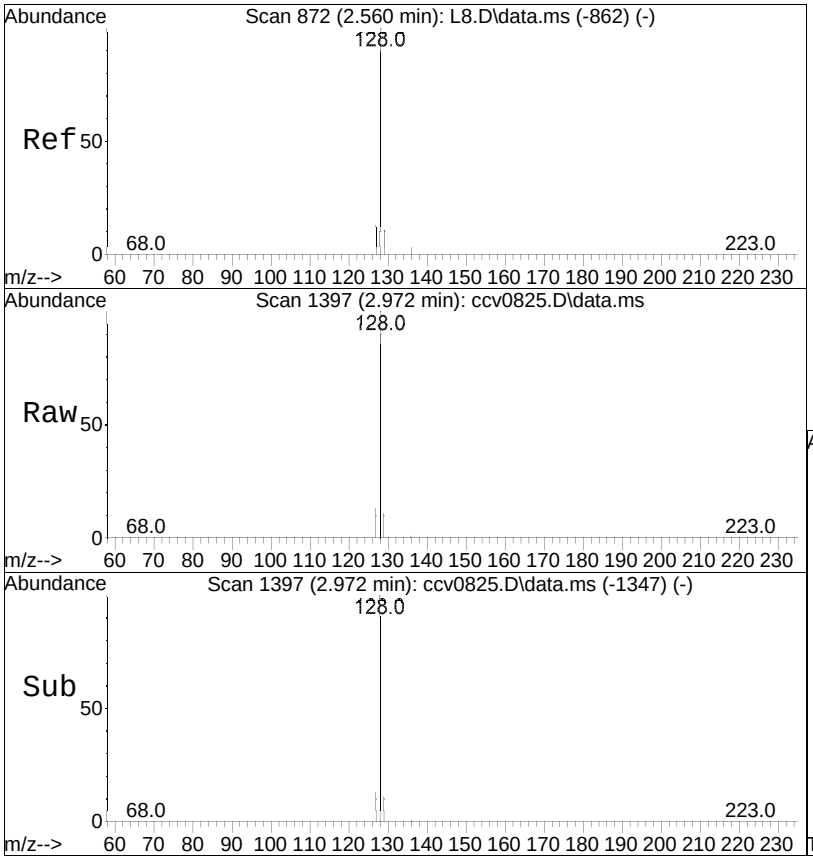


#6
Hexachloroethane
Concen: 918.26 ng/ml
RT: 2.559 min Scan# 1118
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:117 Resp: 44558

Ion	Ratio	Lower	Upper
117	100		
201	111.9	83.0	124.6

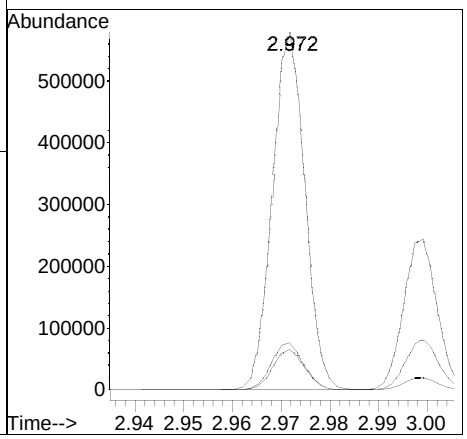


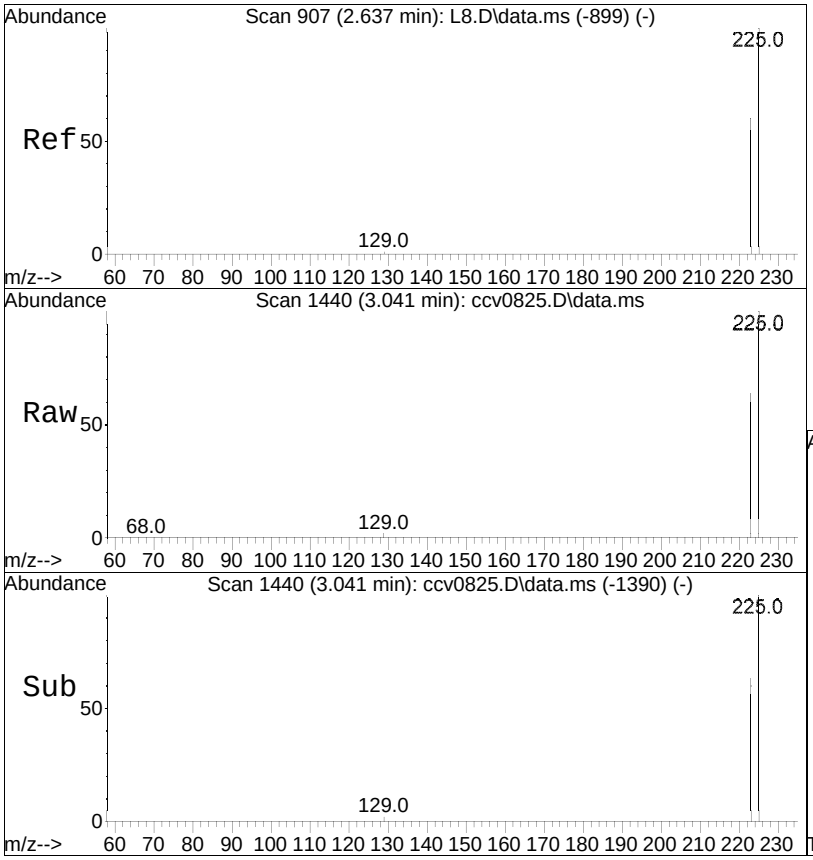


#9
Naphthalene
Concen: 947.52 ng/ml
RT: 2.972 min Scan# 1397
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:128 Resp: 266680

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.2	10.6	15.8

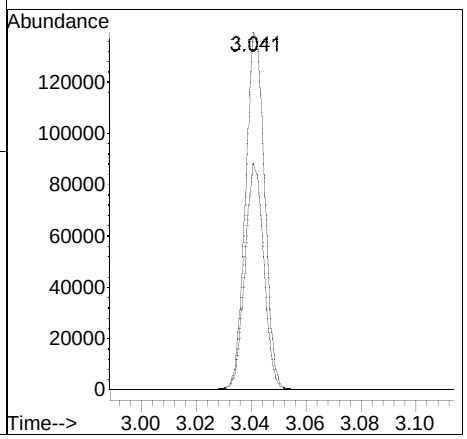


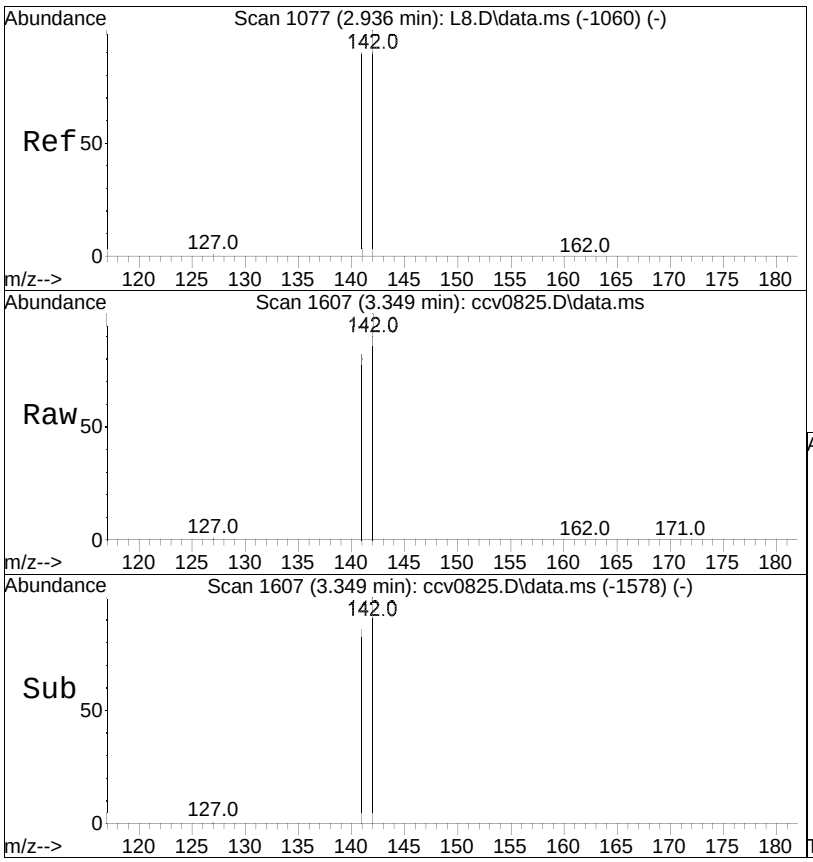


#10
Hexachlorobutadiene
Concen: 1042.21 ng/ml
RT: 3.041 min Scan# 1440
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:225 Resp: 65842

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2

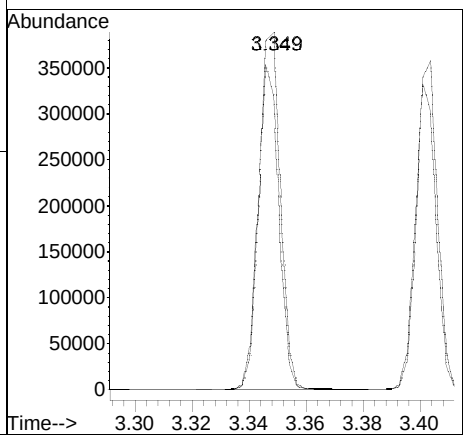


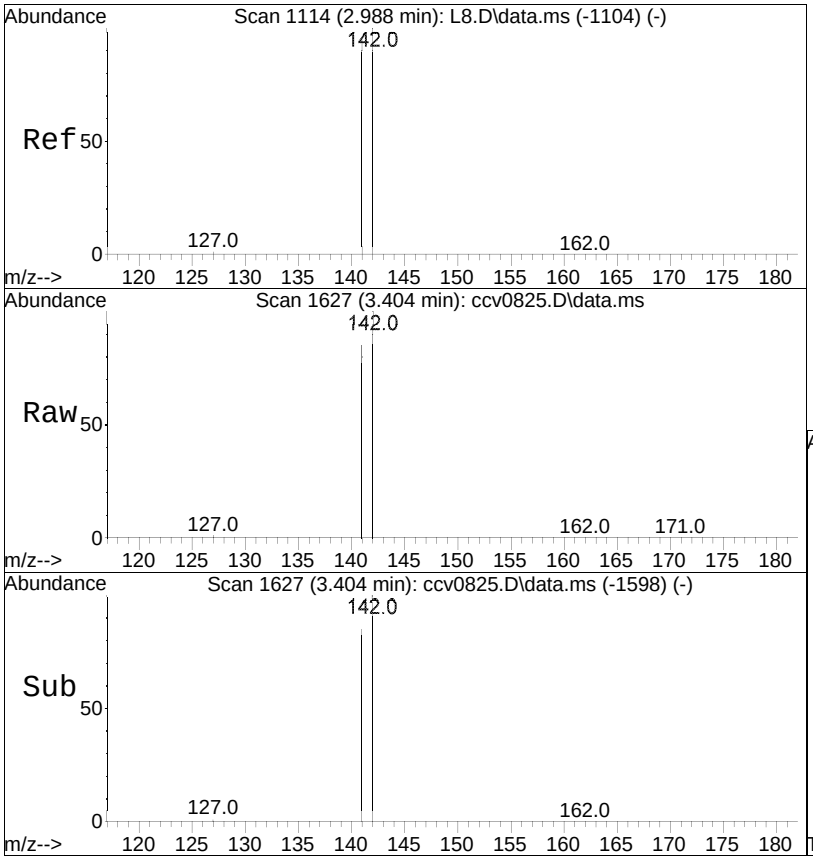


#11
2-Methylnaphthalene
Concen: 960.52 ng/ml
RT: 3.349 min Scan# 1607
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:142 Resp: 203169

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.3	108.5

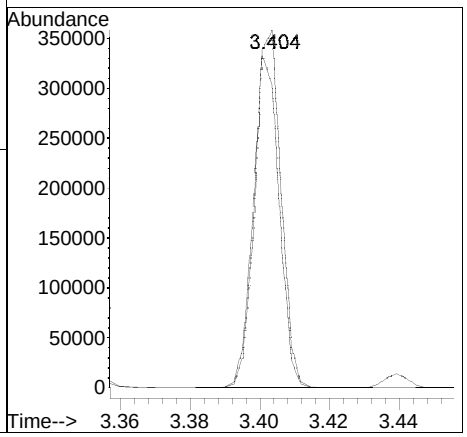


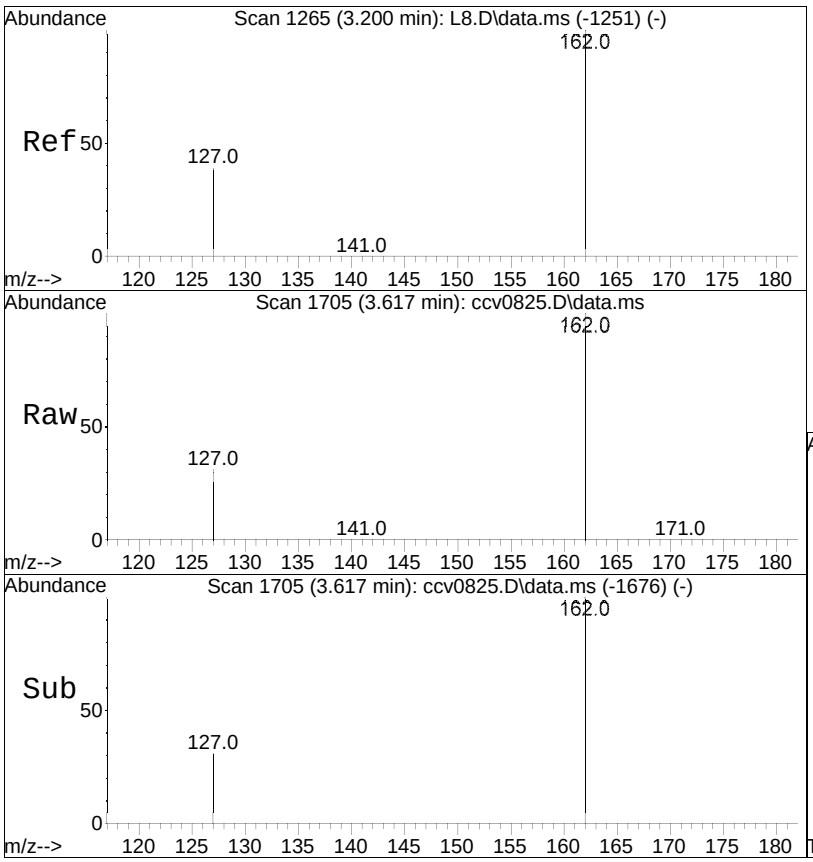


#12
1-Methylnaphthalene
Concen: 891.90 ng/ml
RT: 3.404 min Scan# 1627
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:142 Resp: 182353

Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.9	112.3

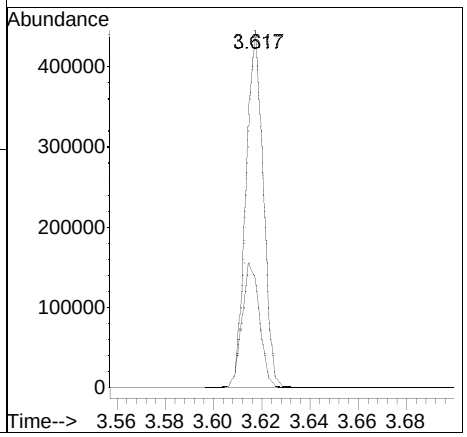


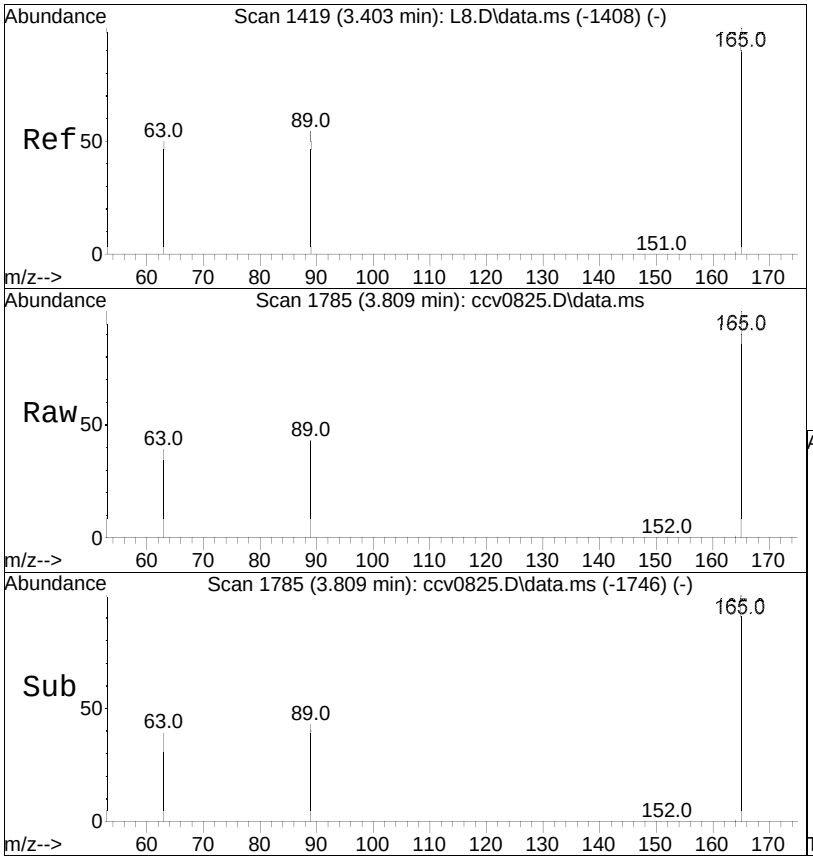


#14
2-Chloronaphthalene
Concen: 949.87 ng/ml
RT: 3.617 min Scan# 1705
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:162 Resp: 216464

Ion	Ratio	Lower	Upper
162	100		
127	35.6	32.0	48.0

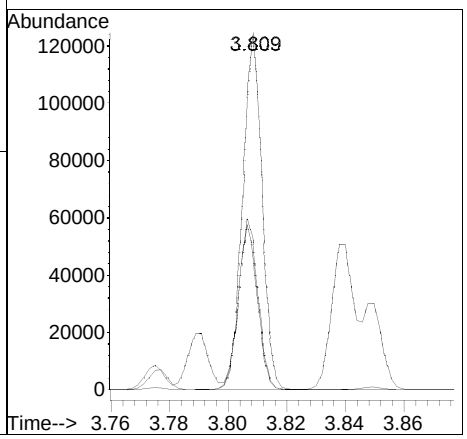


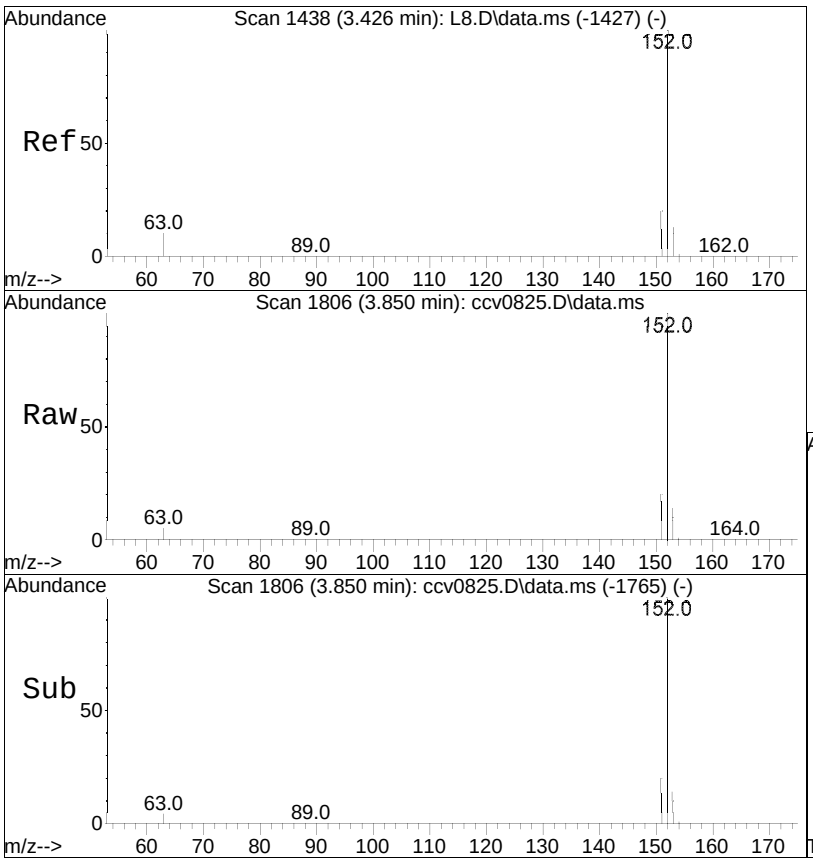


#15
2,6-Dinitrotoluene
Concen: 924.88 ng/ml
RT: 3.809 min Scan# 1785
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:165 Resp: 56755

Ion	Ratio	Lower	Upper
165	100		
89	48.5	45.7	68.5
63	45.6	49.8	74.6#

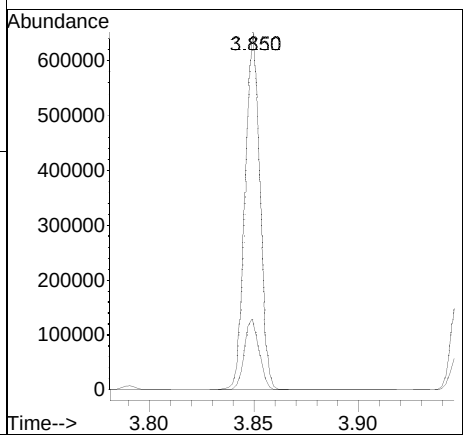


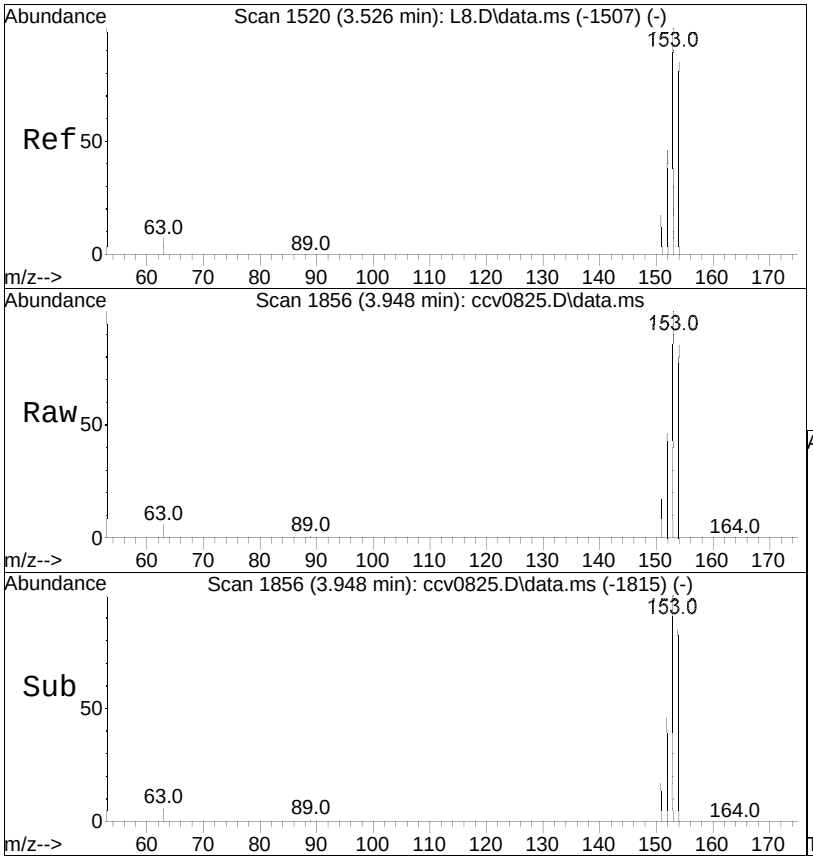


#16
Acenaphthylene
Concen: 875.11 ng/ml
RT: 3.850 min Scan# 1806
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:152 Resp: 318616

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0

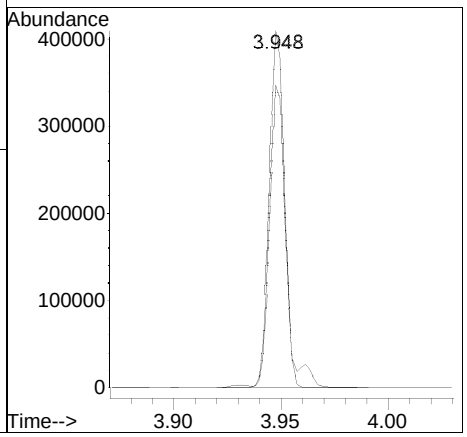


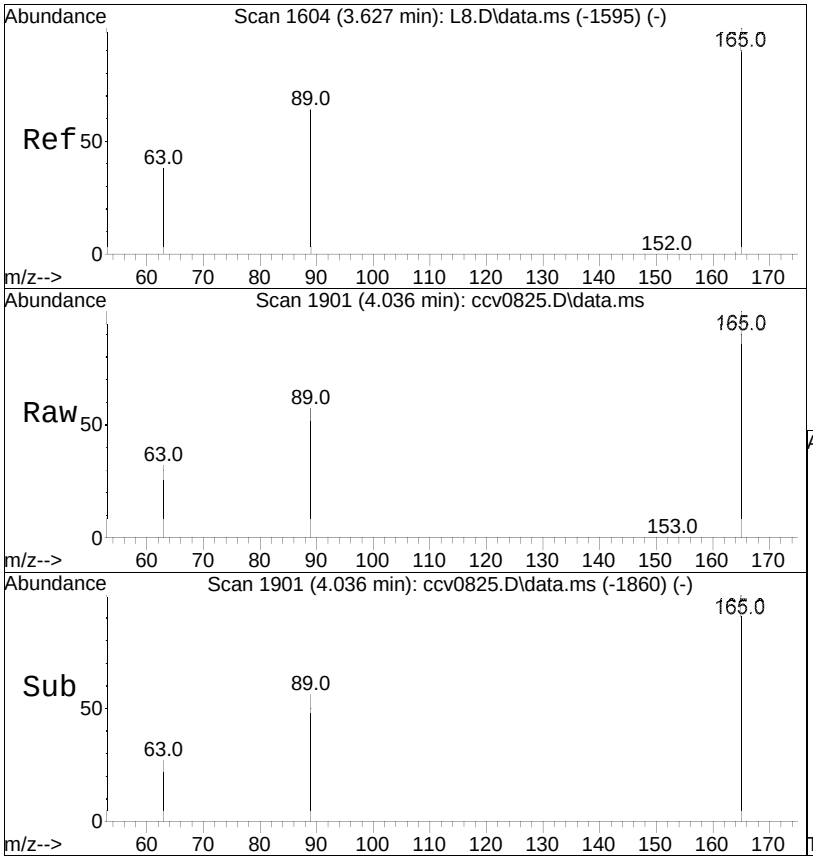


#18
Acenaphthene
Concen: 1002.20 ng/ml
RT: 3.948 min Scan# 1856
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:153 Resp: 198352

Ion	Ratio	Lower	Upper
153	100		
154	91.6	68.1	102.1

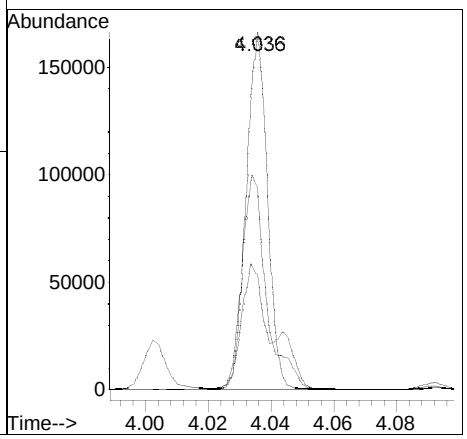


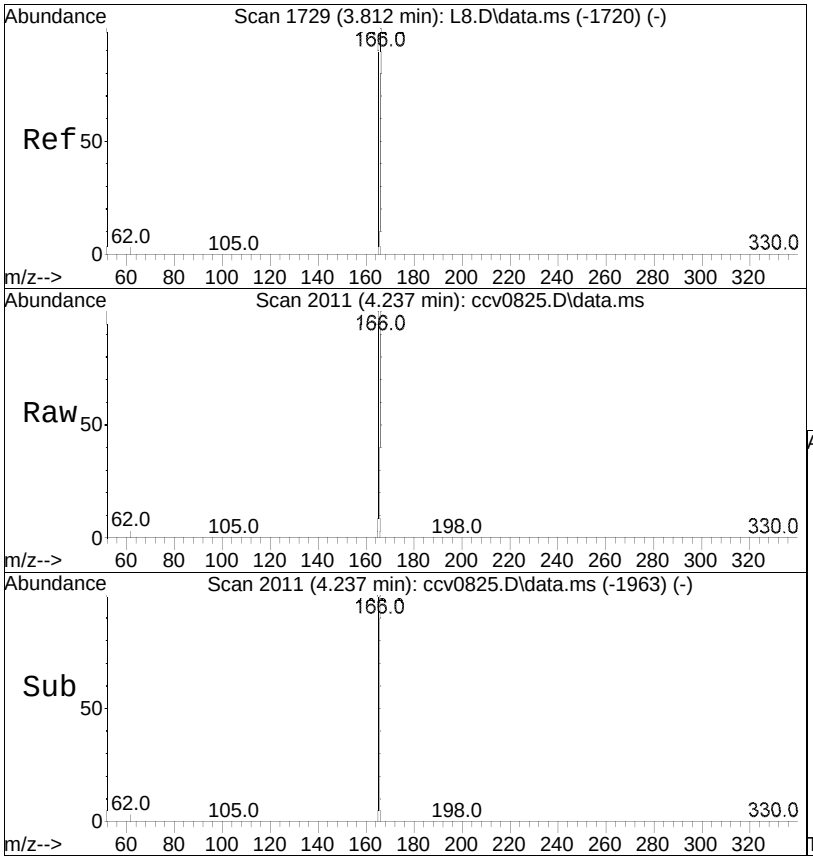


#19
2,4-Dinitrotoluene
Concen: 1010.05 ng/ml
RT: 4.036 min Scan# 1901
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:165 Resp: 76555

Ion	Ratio	Lower	Upper
165	100		
89	70.3	65.8	98.6
63	39.7	55.0	82.4#

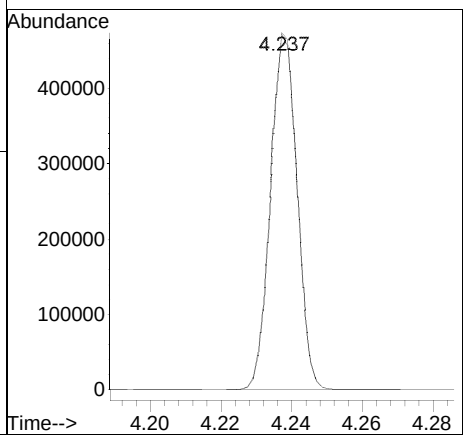


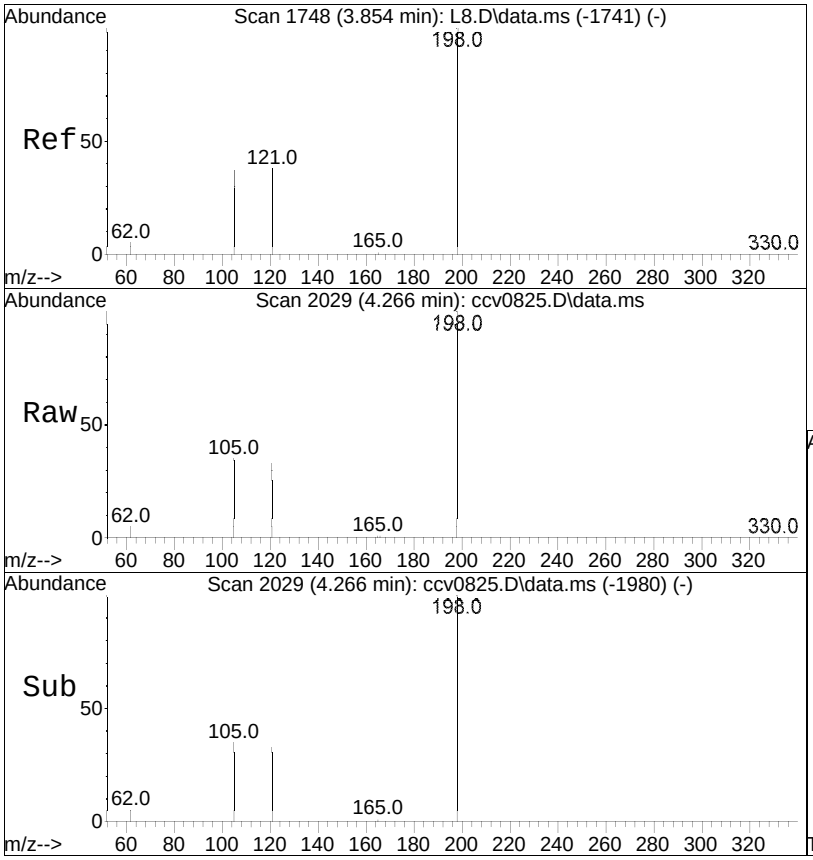


#20
Fluorene
Concen: 941.70 ng/ml
RT: 4.237 min Scan# 2011
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:166 Resp: 245653

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.3	118.9

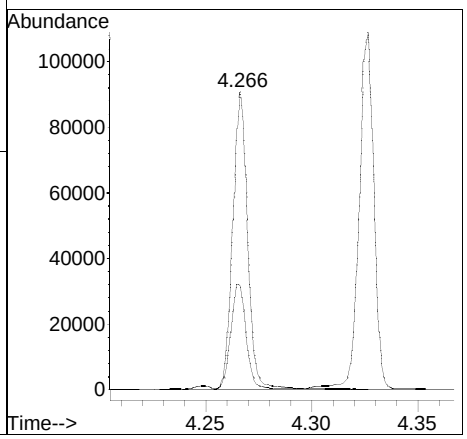


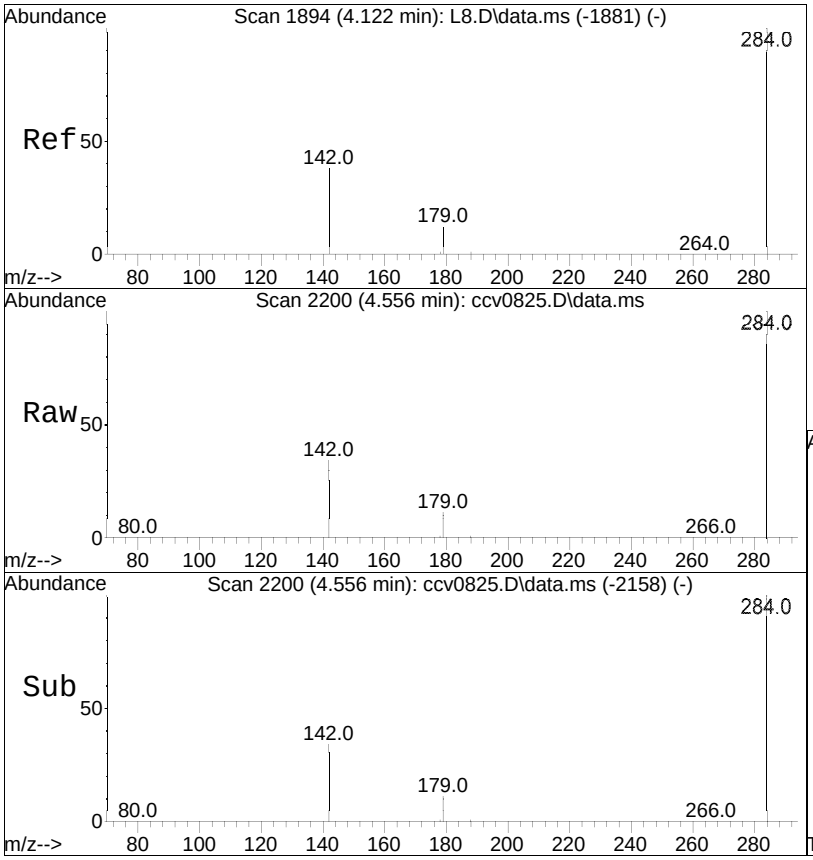


#23
4,6-Dinitro-o-cresol
Concen: 893.18 ng/ml
RT: 4.266 min Scan# 2029
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:198 Resp: 44521

Ion	Ratio	Lower	Upper
198	100		
105	35.7	35.6	53.4

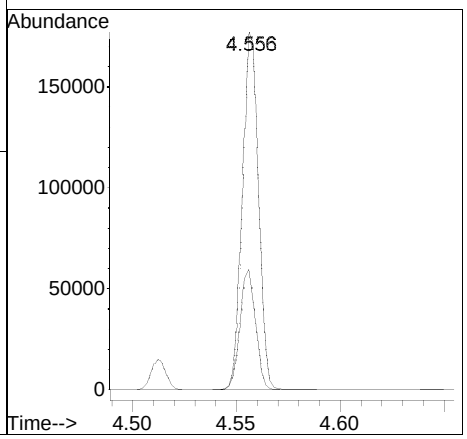


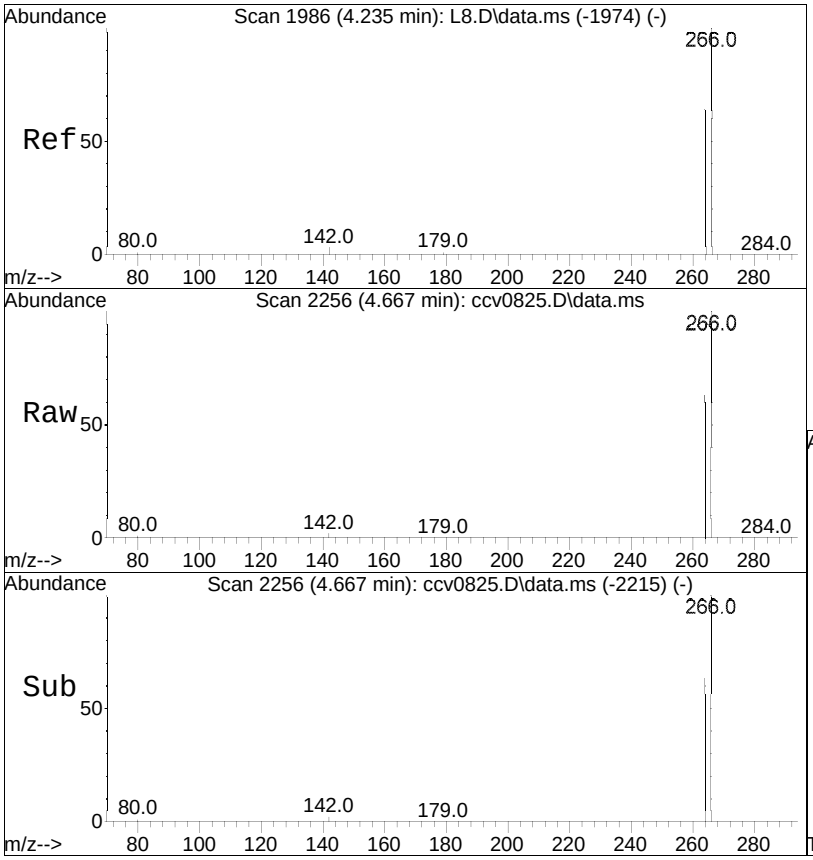


#24
Hexachlorobenzene
Concen: 1123.84 ng/ml
RT: 4.556 min Scan# 2200
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:284 Resp: 93685

Ion	Ratio	Lower	Upper
284	100		
142	32.7	30.0	45.0

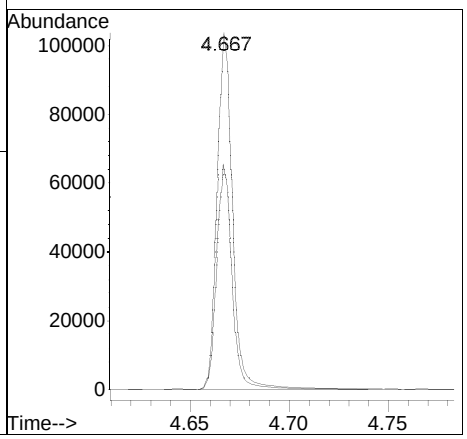


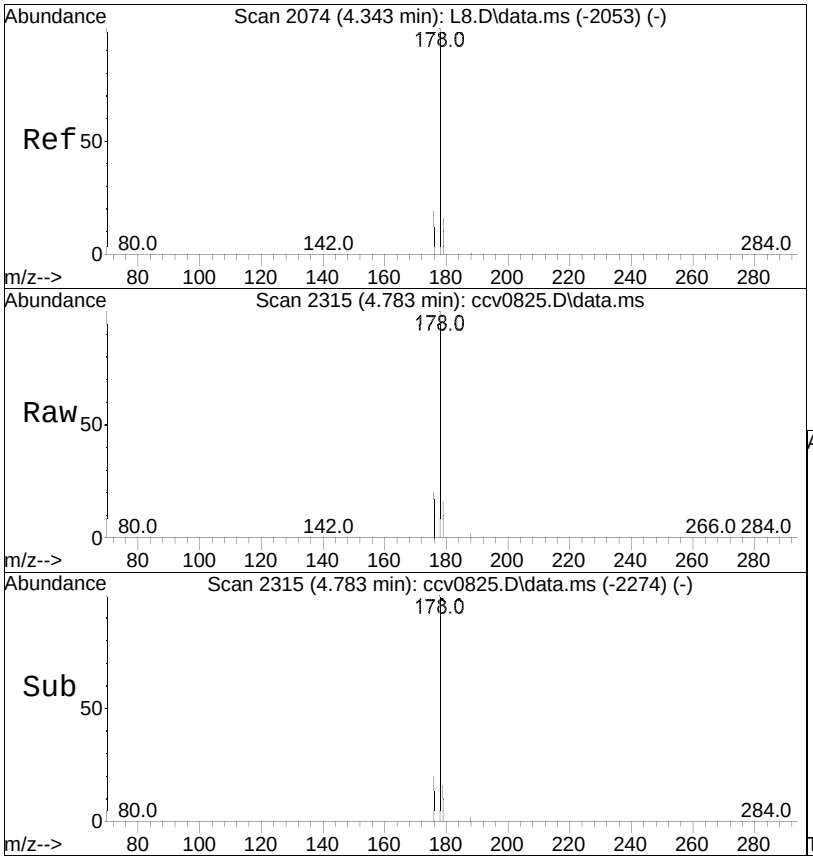


#25
Pentachlorophenol
Concen: 1068.28 ng/ml
RT: 4.667 min Scan# 2256
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:266 Resp: 55729

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.9	74.9

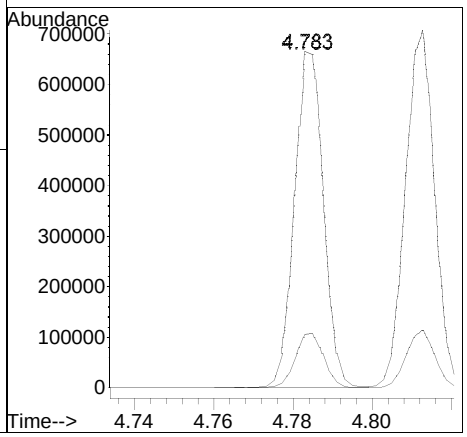


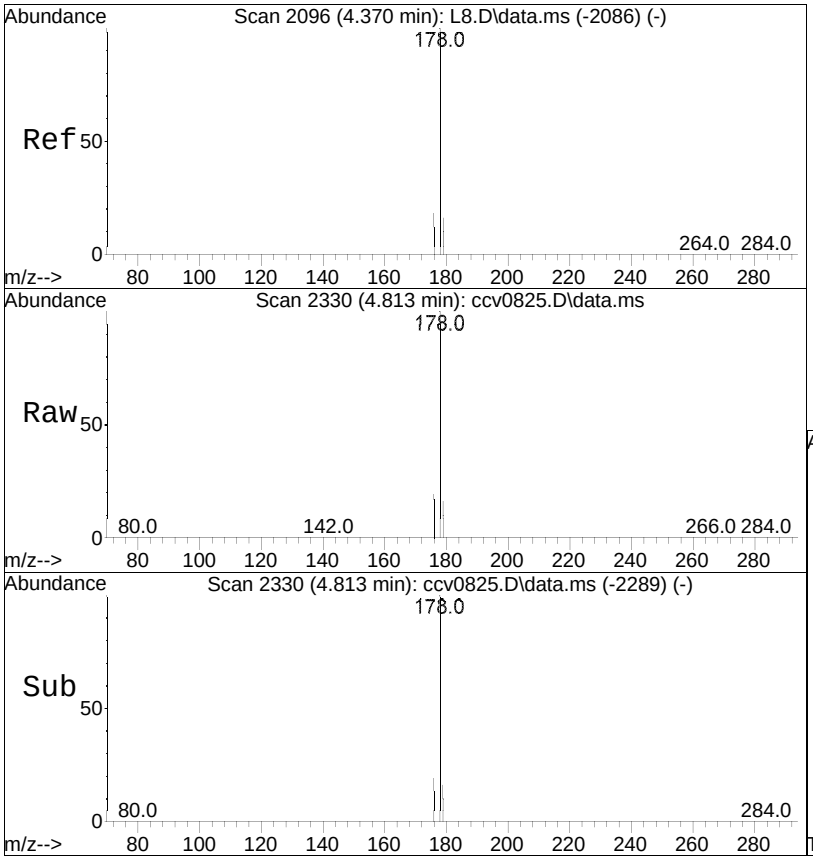


#26
Phenanthrene
Concen: 959.50 ng/ml
RT: 4.783 min Scan# 2315
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:178 Resp: 338653

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8

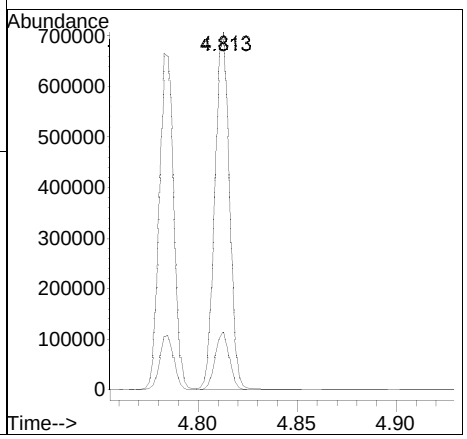


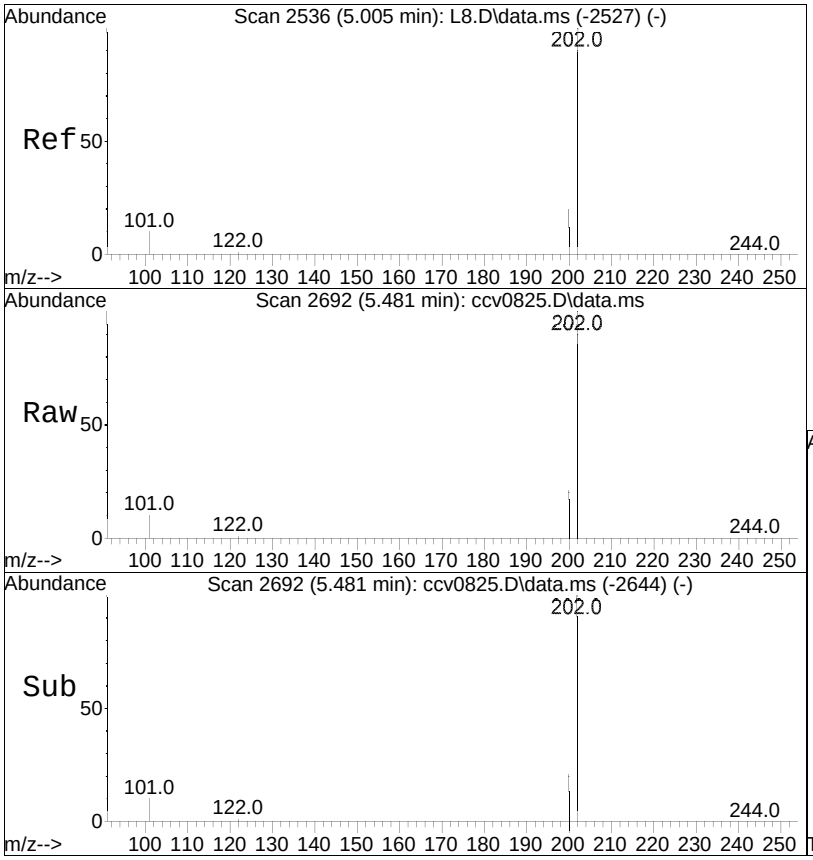


#27
Anthracene
Concen: 996.91 ng/ml
RT: 4.813 min Scan# 2330
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:178 Resp: 363539

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

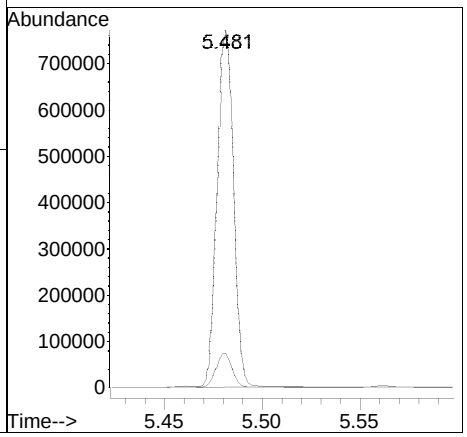


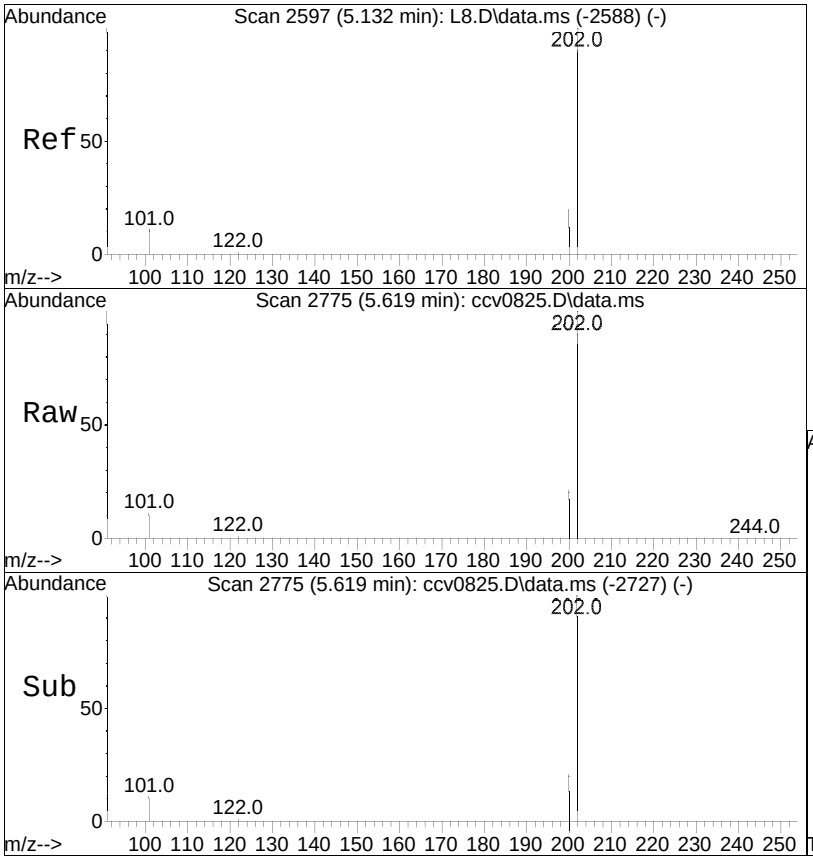


#28
Fluoranthene
Concen: 919.64 ng/ml
RT: 5.481 min Scan# 2692
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:202 Resp: 445692

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.1	12.1

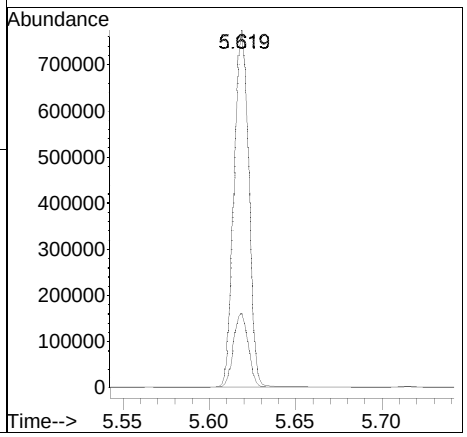


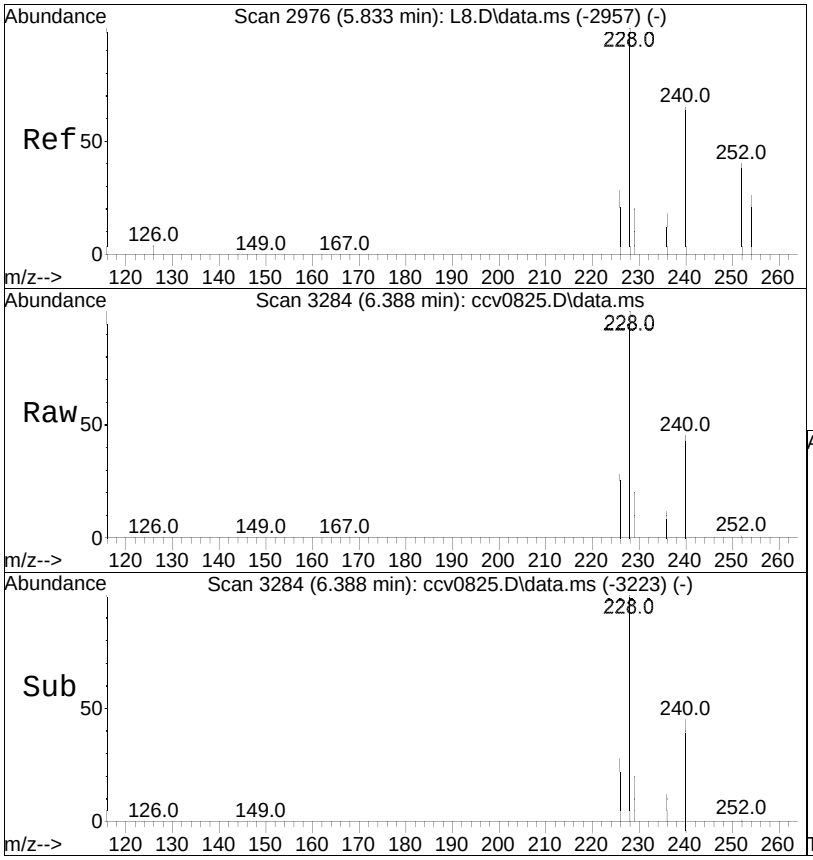


#29
Pyrene
Concen: 910.25 ng/ml
RT: 5.619 min Scan# 2775
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:202 Resp: 457133

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7

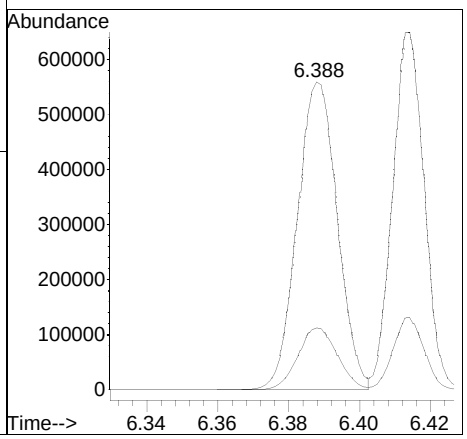


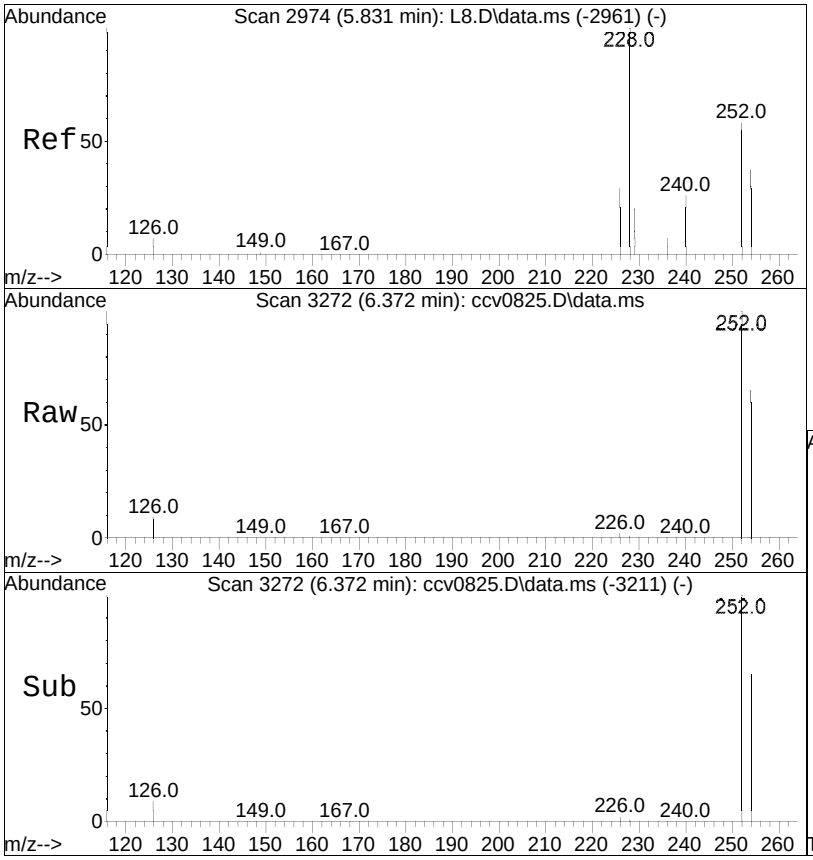


#32
Benzo[a]anthracene
Concen: 1038.69 ng/ml
RT: 6.388 min Scan# 3284
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:228 Resp: 437846

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8

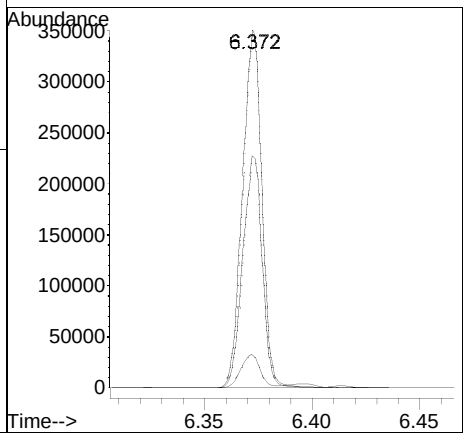


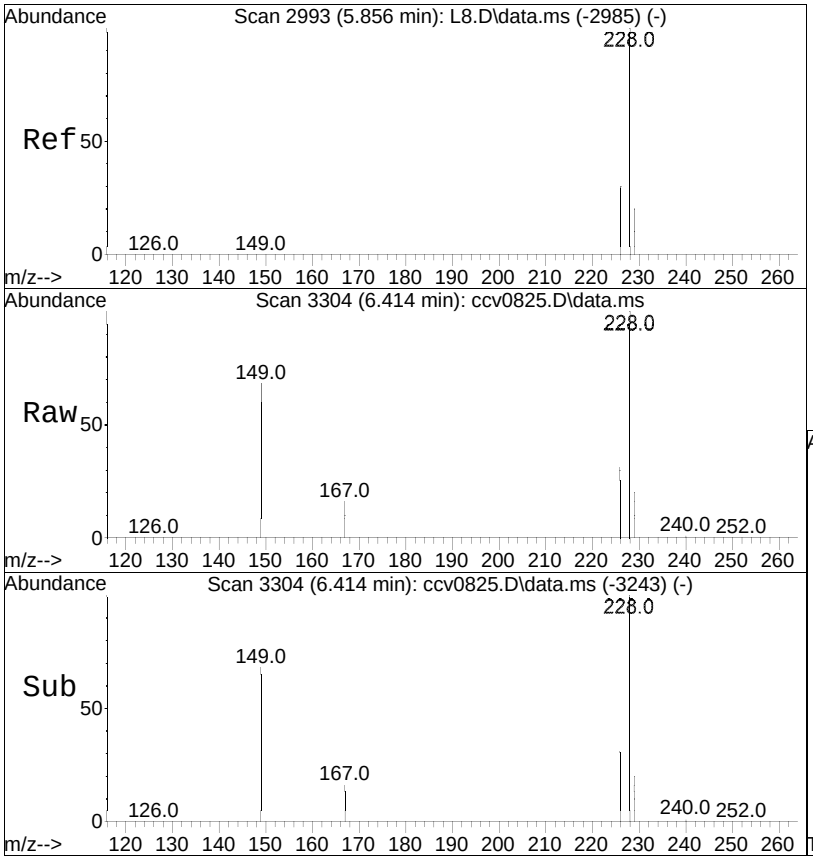


#33
3,3'-Dichlorobenzene
Concen: 1264.72 ng/ml
RT: 6.372 min Scan# 3272
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:252 Resp: 215271

Ion	Ratio	Lower	Upper
252	100		
126	9.4	10.5	15.7#
254	65.1	51.4	77.0

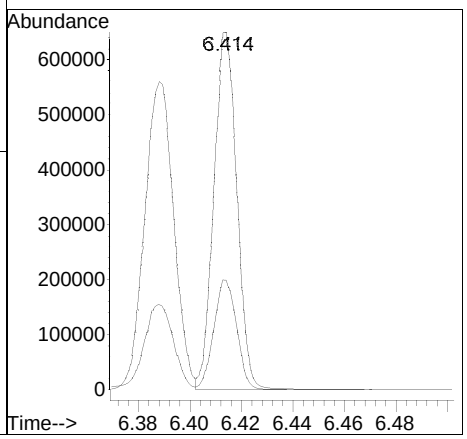


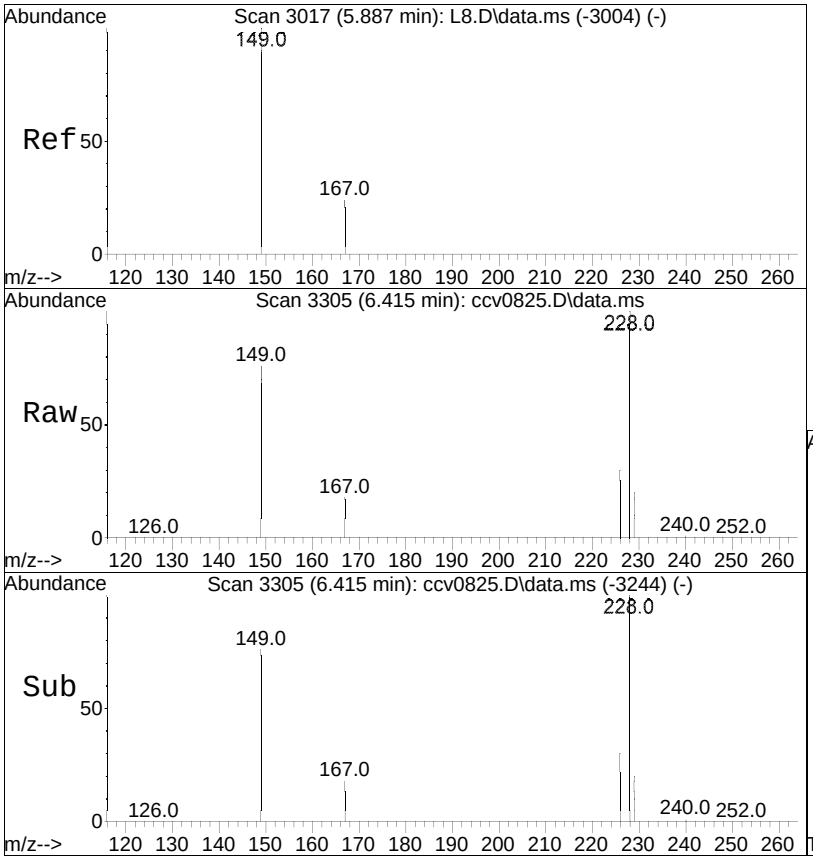


#34
Chrysene
Concen: 966.58 ng/ml
RT: 6.414 min Scan# 3304
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:228 Resp: 400905

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9

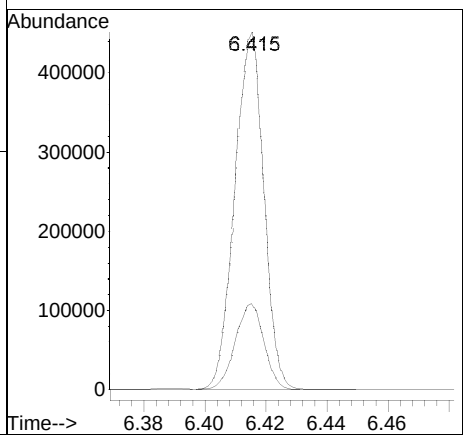


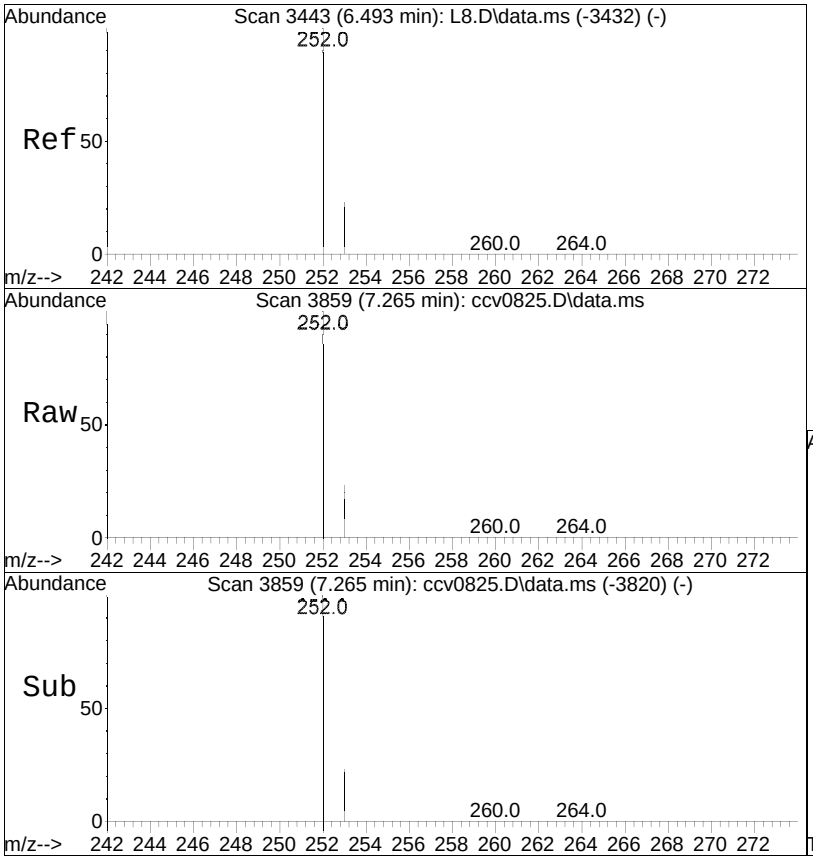


#35
Bis(2-ethylhexyl)phthalate
Concen: 979.08 ng/ml
RT: 6.415 min Scan# 3305
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:149 Resp: 294824

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.0	28.4

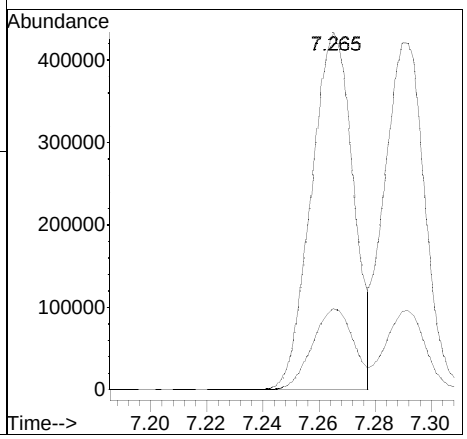


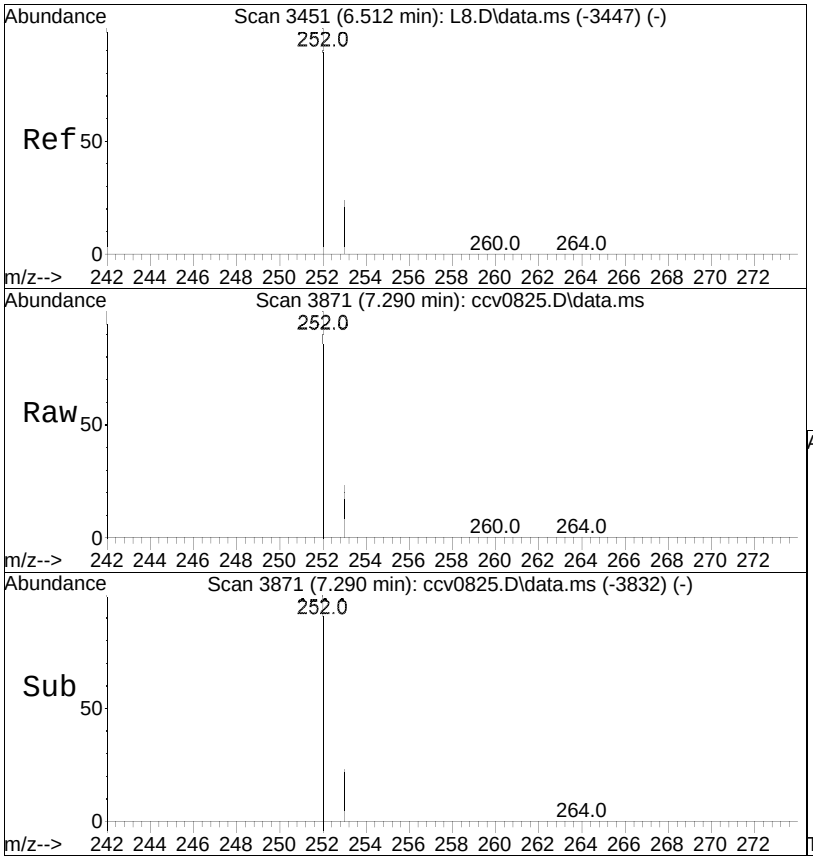


#37
Benzo[b]fluoranthene
Concen: 922.13 ng/ml
RT: 7.265 min Scan# 3859
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:252 Resp: 449446

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0

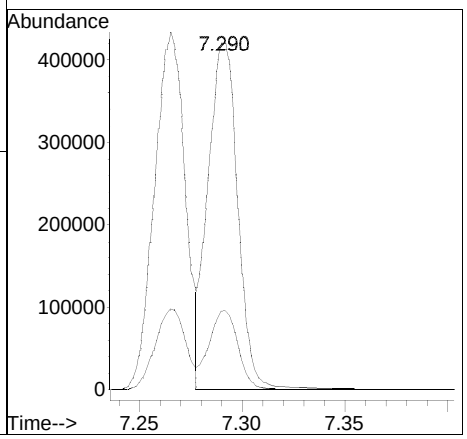


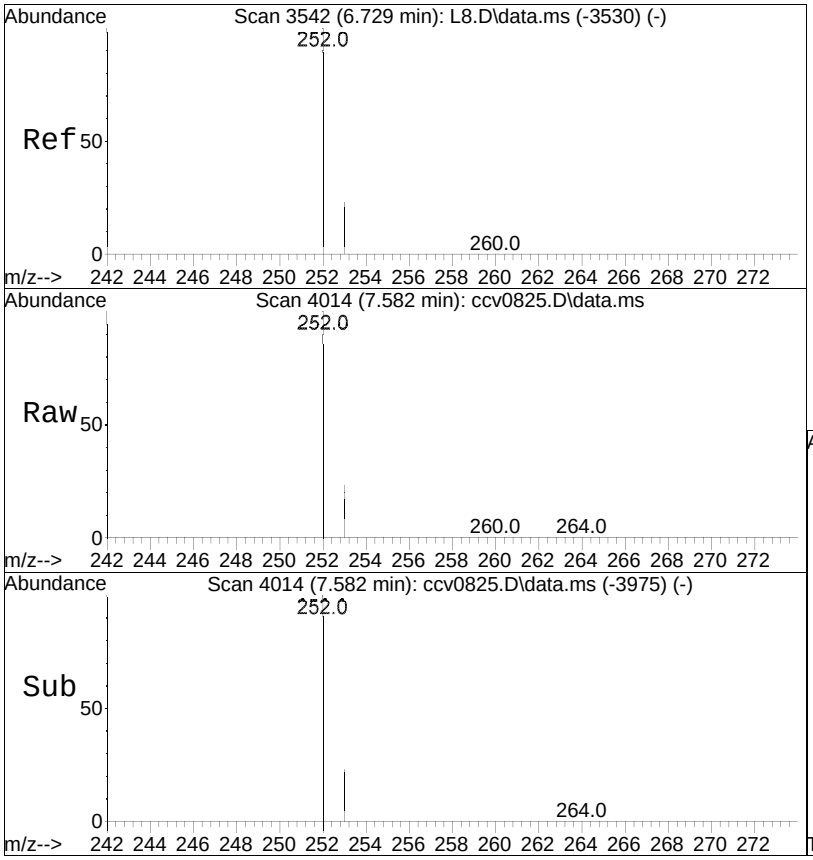


#38
Benzo[k]fluoranthene
Concen: 934.91 ng/ml
RT: 7.290 min Scan# 3871
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:252 Resp: 420973

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.3	27.5

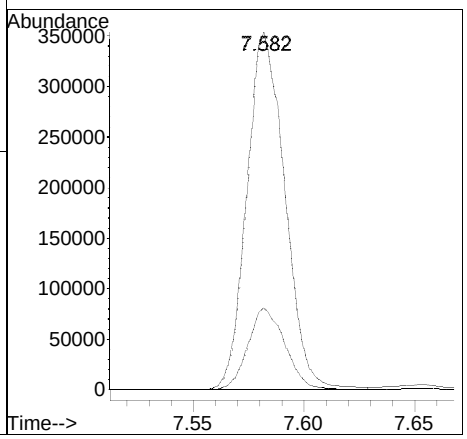


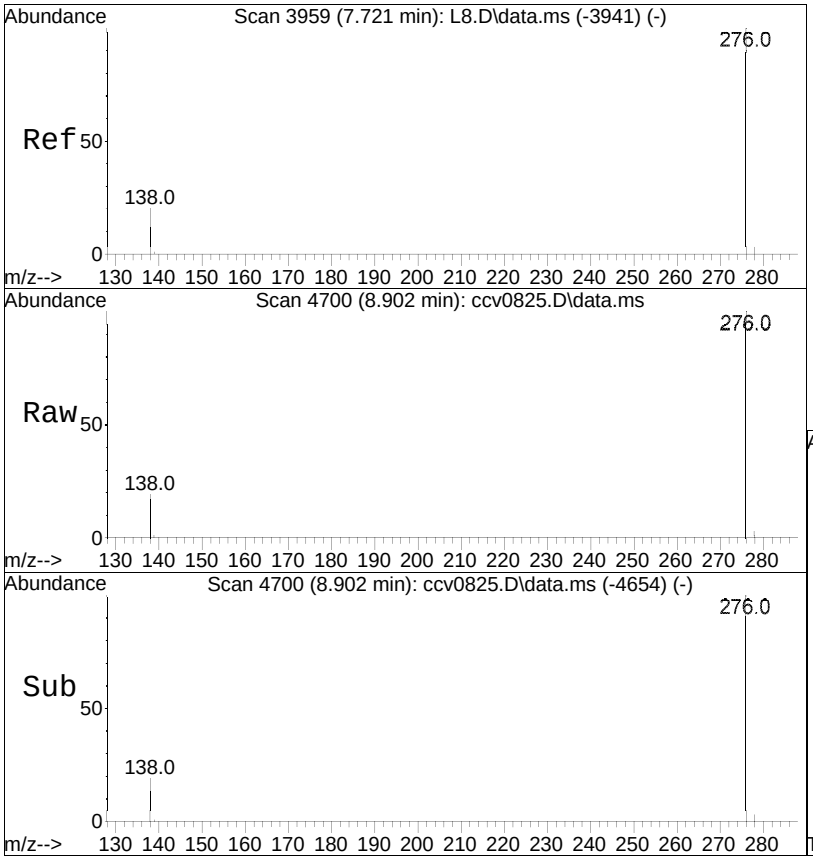


#39
Benzo[a]pyrene
Concen: 964.41 ng/ml
RT: 7.582 min Scan# 4014
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:252 Resp: 416313

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9

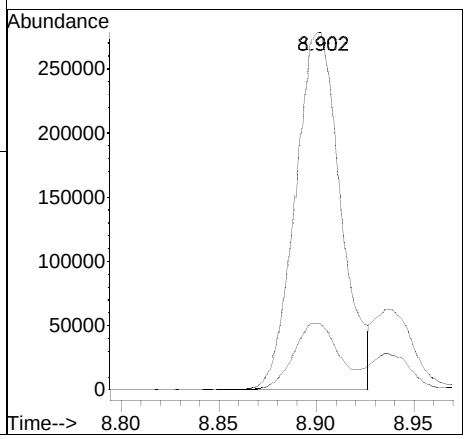


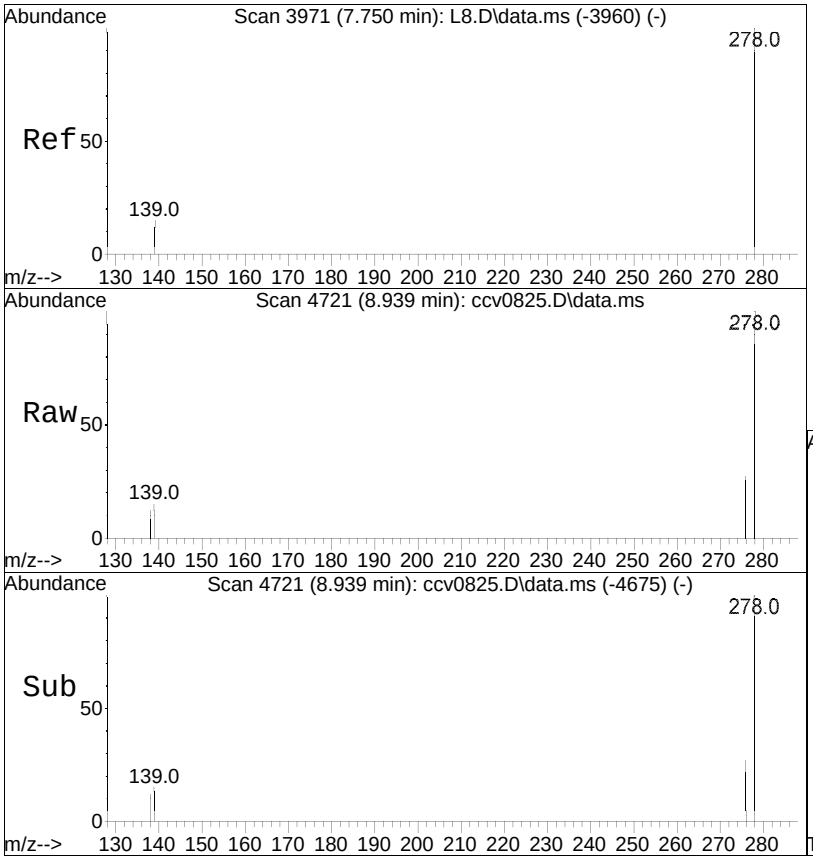


#40
Indeno[1,2,3-cd]pyrene
Concen: 1021.83 ng/ml
RT: 8.902 min Scan# 4700
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:276 Resp: 445903

Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.1	22.7

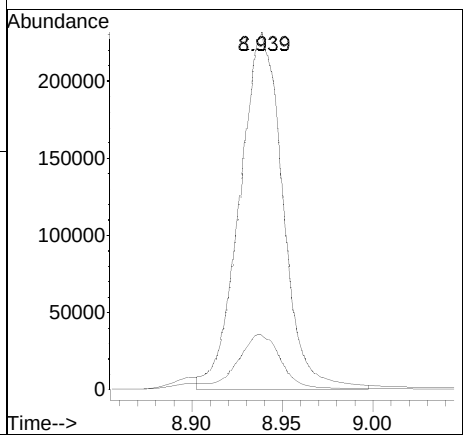


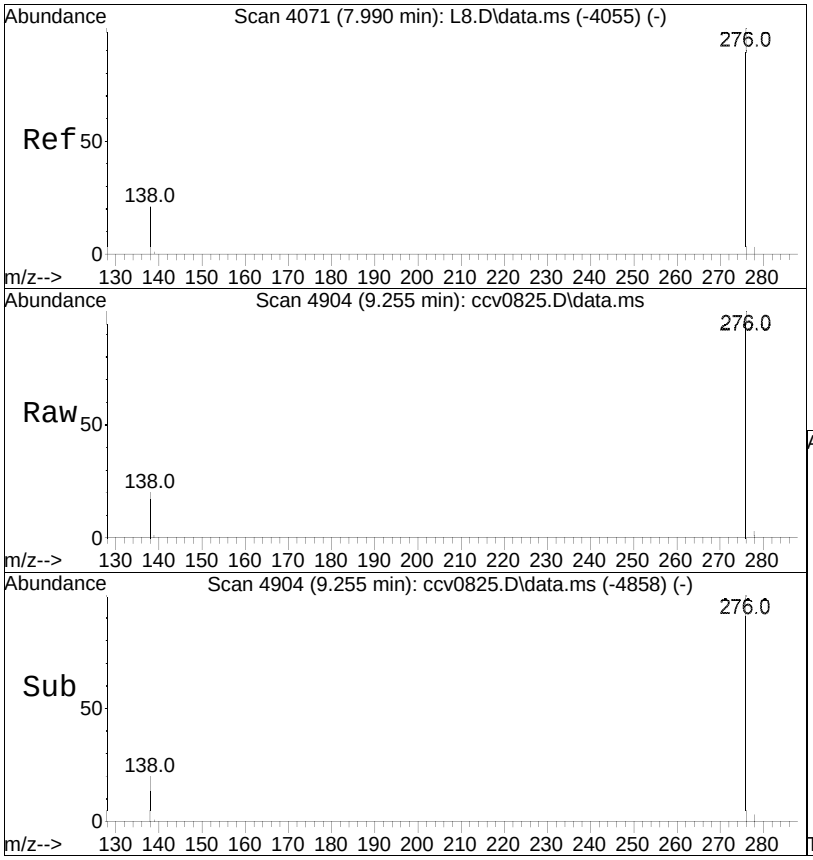


#41
Dibenzo[a,h]anthracene
Concen: 982.06 ng/ml M6
RT: 8.939 min Scan# 4721
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:278 Resp: 381750

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.3	19.9

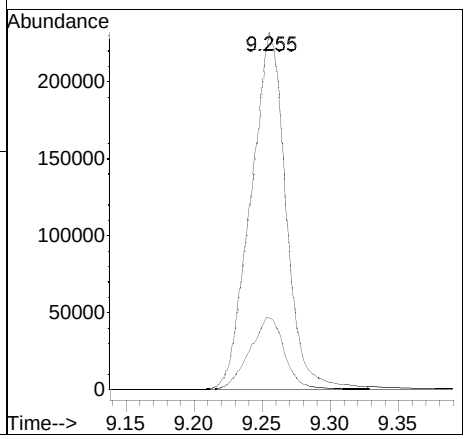




#42
Benzo[g,h,i]perylene
Concen: 956.05 ng/ml
RT: 9.255 min Scan# 4904
Delta R.T. 0.000 min
Lab File: ccv0825.D
Acq: 25 Aug 2024 11:10 am

Tgt Ion:276 Resp: 410364

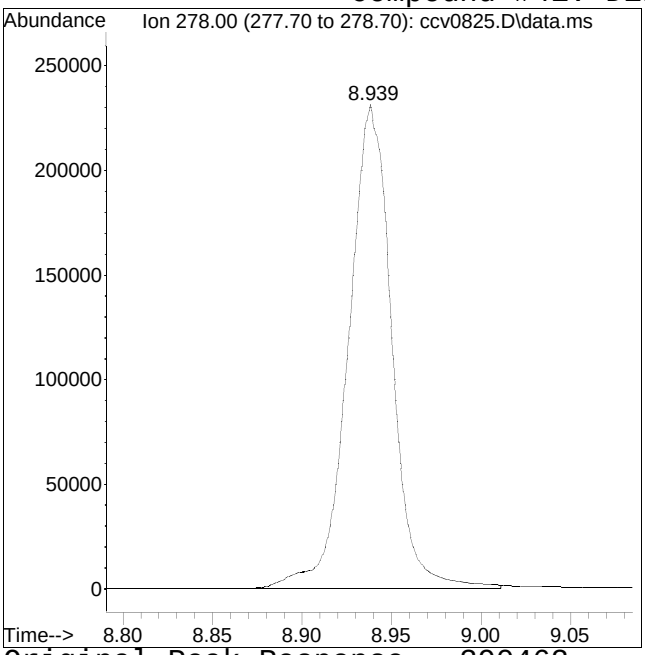
Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.9	25.3



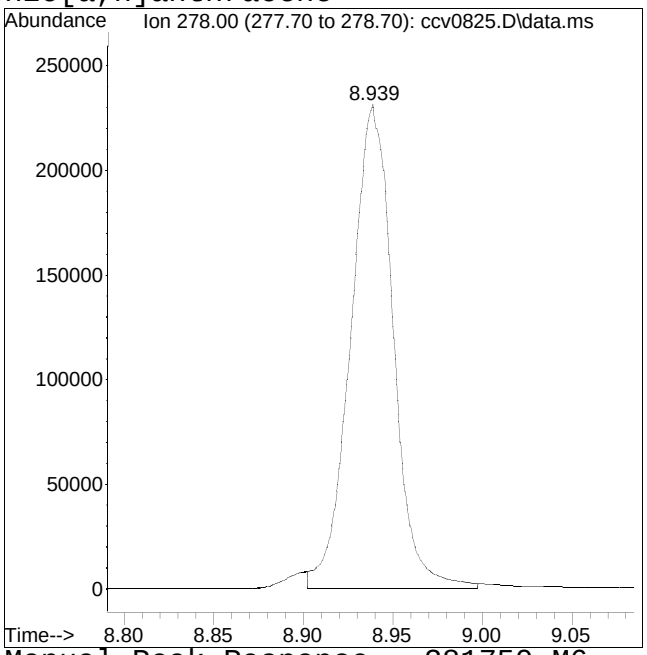
Manual Integration Report

Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : ccv0825.D
Date Inj'd : 8/25/2024 11:10 am
Sample : WG1963571-3,32,,ICV lot 10
Method : SIM-RVT_240621_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 8/25/2024 11:26 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 390462



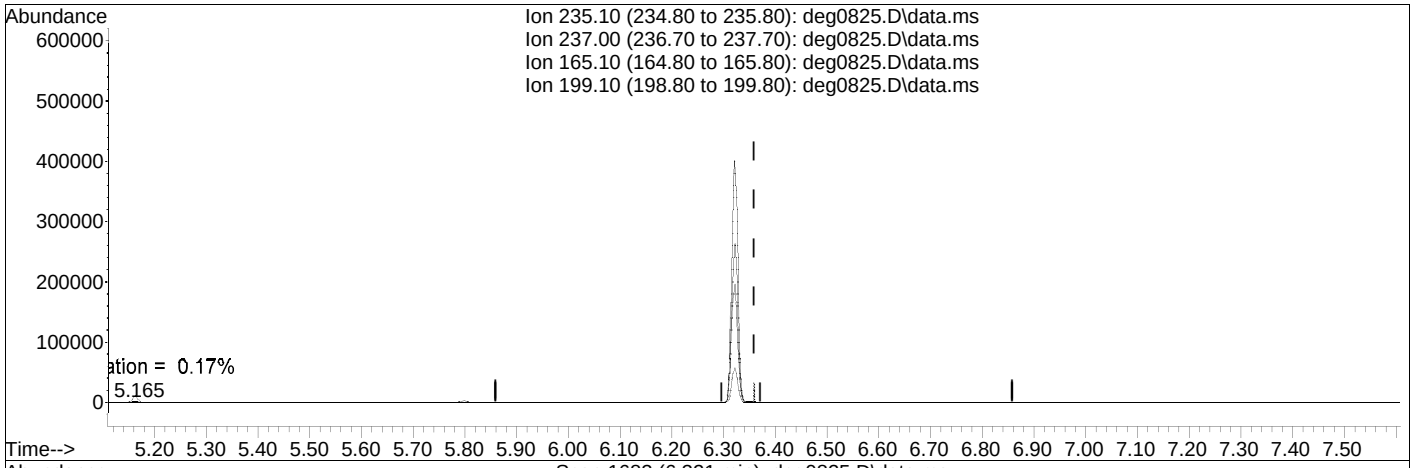
Manual Peak Response = 381750 M6

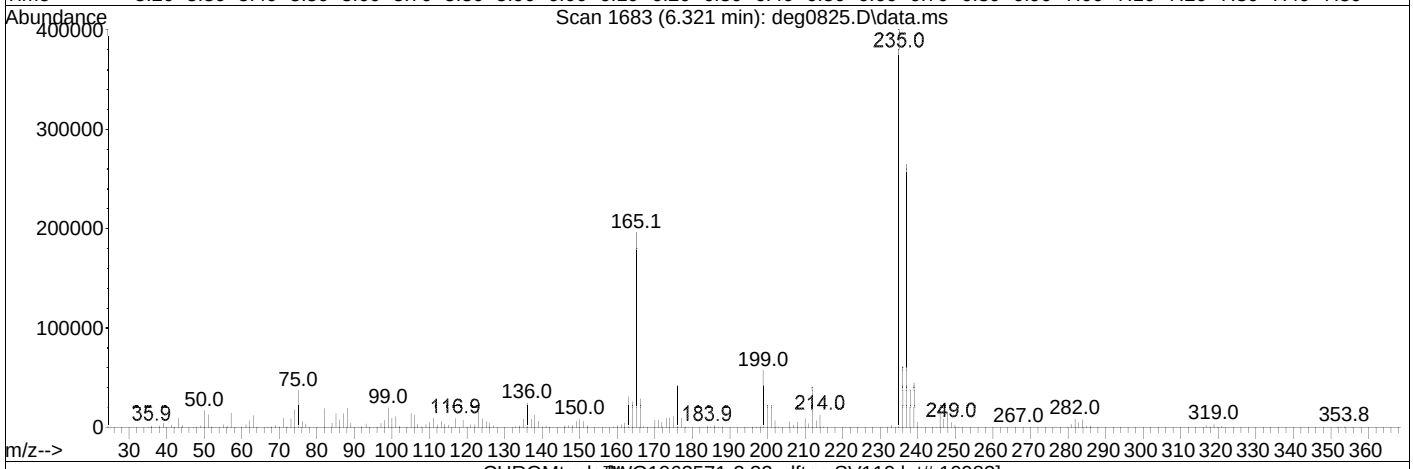
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : deg0825.D
Acq On : 25 Aug 2024 10:54 am
Operator : sv119:rp
Sample : WG1963571-2,32,,dftpp SV119 lot# 10983
Misc : WG1963571,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 25 11:07:48 2024
Quant Method : I:\8270SIM\sv119\240825RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 12 08:16:46 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG1963571-2,32,,dftpp SV119 lot# 10983]

(6) ddt (T)

6.321min (-0.038) 52.76

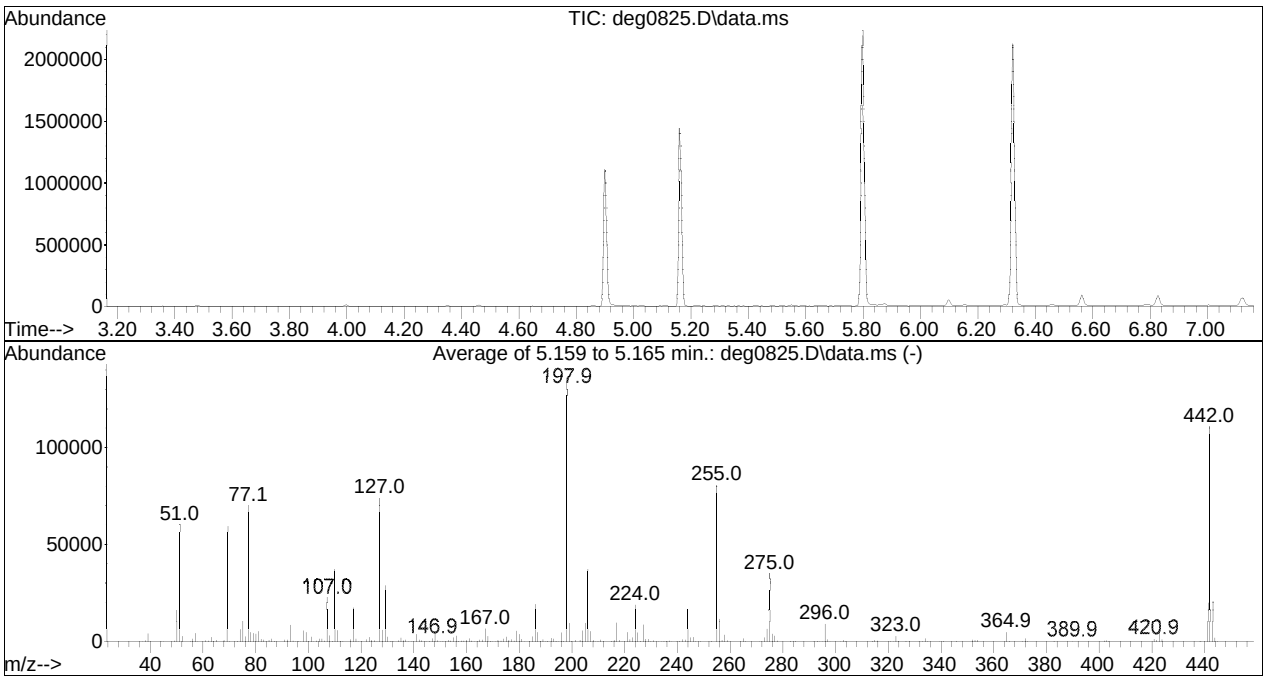
response 321615

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.11
165.10	53.30	49.27
199.10	17.10	14.18

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : deg0825.D
Acq On : 25 Aug 2024 10:54 am
Operator : sv119:rp
Sample : WG1963571-1,32,,dftpp SV119 lot# 10983
Misc : WG1963571,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\240825RVT\SIM-RVT_240621_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Aug 25 11:26:31 2024



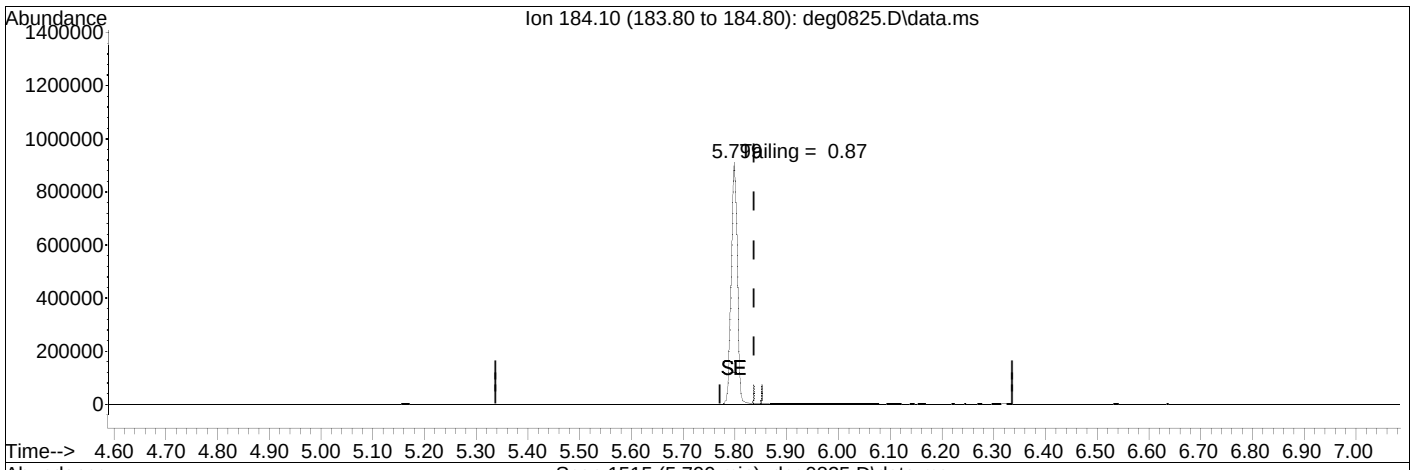
Spectrum Information: Average of 5.159 to 5.165 min.

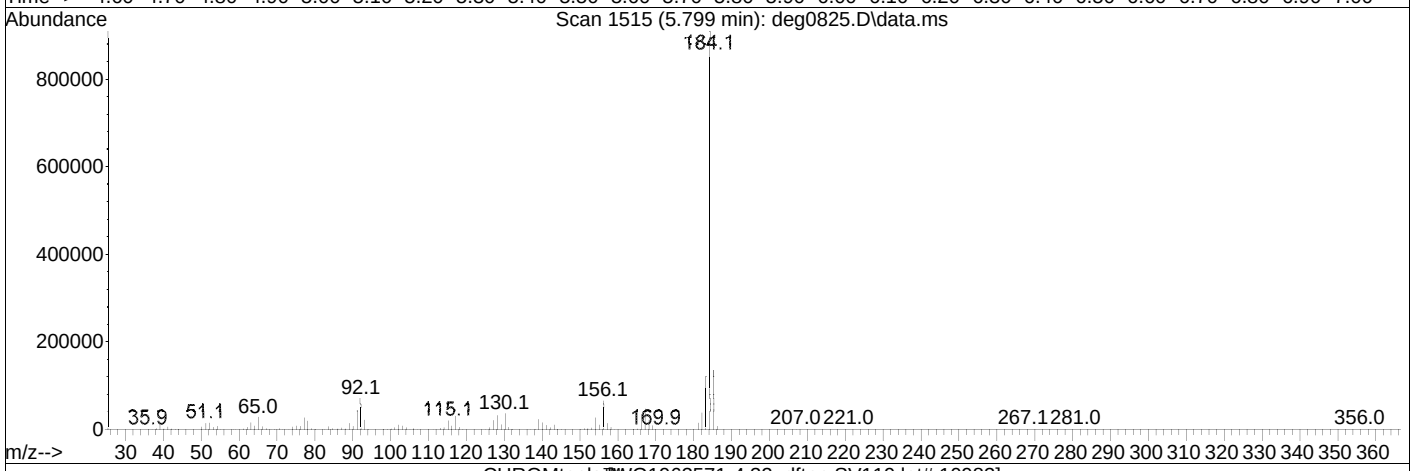
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.2	60088	PASS
68	69	0.00	2	1.7	1030	PASS
69	69	100	100	100.0	59072	PASS
70	69	0.00	2	0.6	375	PASS
127	198	10	80	54.3	73859	PASS
197	198	0.00	2	0.4	526	PASS
198	198	100	100	100.0	136051	PASS
199	198	5	9	6.7	9075	PASS
275	198	10	60	25.7	34971	PASS
365	198	1	100	3.5	4695	PASS
441	442	0.01	24	17.6	19520	PASS
442	198	50	100	81.5	110920	PASS
443	442	15	24	18.7	20795	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : deg0825.D
Acq On : 25 Aug 2024 10:54 am
Operator : sv119:rp
Sample : WG1963571-4,32,,dftpp SV119 lot# 10983
Misc : WG1963571,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 25 11:07:48 2024
Quant Method : I:\8270SIM\sv119\240825RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 12 08:16:46 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG1963571-4,32,,dftpp SV119 lot# 10983]

(3) benzidine (T)

5.799min (-0.038) 70.09

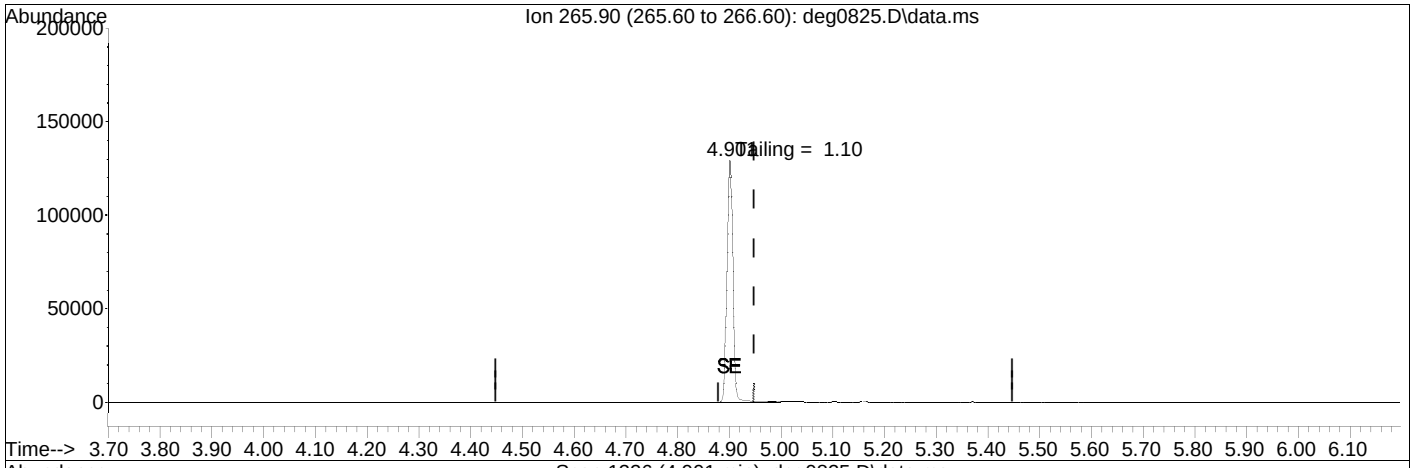
response 713527

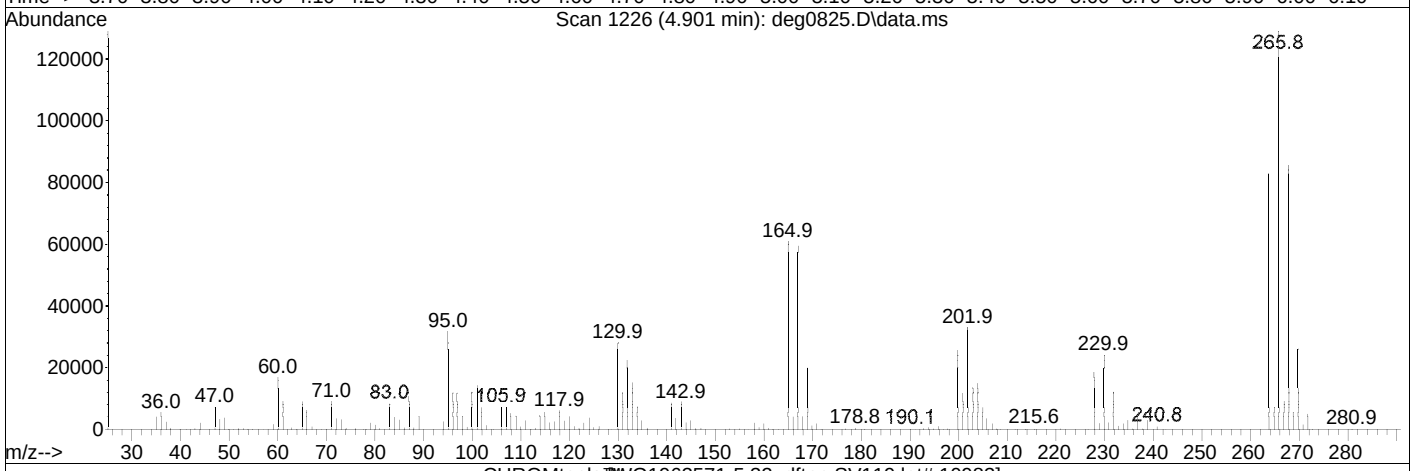
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : deg0825.D
Acq On : 25 Aug 2024 10:54 am
Operator : sv119:rp
Sample : WG1963571-5,32,,dftpp SV119 lot# 10983
Misc : WG1963571,,ical21236
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 25 11:07:48 2024
Quant Method : I:\8270SIM\sv119\240825RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Aug 12 08:16:46 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools [WG1963571-5,32,,dftpp SV119 lot# 10983]

(1) pentachlorophenol (T)

4.901min (-0.047) 46.99

response 98695

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV119	**Calibration Date**	: 08/25/24 11:10		
Lab File ID	: CCV0825	**Init. Calib. Date(s)**	: 06/21/24	06/21/24	
Sample No	: WG1963571-3	**Init. Calib. Times**	: 14:50	17:17	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
2-Fluorophenol	1.411	1.26	.05	10.7	20	140	0
Phenol-d6	1.78	1.667	.05	6.3	20	141	0
Bis(2-chloroethyl)ether	1.43	1.262	.05	11.7	20	139	0
n-nitrosodi-n-propylamine	1.088	0.902	.05	17.1	20	123	0
Hexachloroethane	0.664	0.609	.05	8.3	20	148	0
Nitrobenzene-d5	1.561	1.303	.05	16.5	20	126	0
Naphthalene-d8	1	1	.05	0	20	147	0
Naphthalene	1.104	1.046	.05	5.3	20	142	0
Hexachlorobutadiene	0.248	0.258	.05	-4	20	159	0
2-Methylnaphthalene	0.83	0.797	.05	4	20	139	0
1-Methylnaphthalene	0.802	0.716	.05	10.7	20	136	0
2-Fluorobiphenyl	1.034	0.931	.05	10	20	140	0
2-Chloronaphthalene	0.894	0.849	.05	5	20	142	0
2,6-Dinitrotoluene	0.241	0.223	.05	7.5	20	127	0
Acenaphthylene	1.429	1.25	.05	12.5	20	130	0
Acenaphthene-d10	1	1	.05	0	20	134	0
Acenaphthene	1.396	1.399	.05	-0.2	20	135	0
2,4-Dinitrotoluene	0.535	0.54	.05	-0.9	20	121	0
Fluorene	1.84	1.733	.05	5.8	20	129	0
2,4,6-Tribromophenol	0.279	0.321	.05	-15.1	20	139	0
Phenanthrene-d10	1	1	.05	0	20	118	0
4,6-Dinitro-o-cresol	1000	893.176	.05	10.7	20	106	0
Hexachlorobenzene	0.275	0.309	.05	-12.4	20	140	0
Pentachlorophenol	1000	1068.277	.05	-6.8	20	122	0
Phenanthrene	1.163	1.116	.05	4	20	118	0
Anthracene	1.201	1.198	.05	0.2	20	117	0
Fluoranthene	1.597	1.468	.05	8.1	20	116	0
Pyrene	1.655	1.506	.05	9	20	116	0
4-Terphenyl-d14	1.106	0.901	.05	18.5	20	104	0
Chrysene-d12	1	1	.05	0	20	115	0
Benzo[a]anthracene	1000	1038.688	.05	-3.9	20	112	0
3,3'-Dichlorobenzene	0.611	0.773	.05	-26.5*	20	135	0
Chrysene	1.489	1.439	.05	3.4	20	109	0
Bis(2-ethylhexyl)phthalate	1000	979.078	.05	2.1	20	111	0
Perylene-d12	1	1	.05	0	20	120	0
Benzo[b]fluoranthene	1.657	1.528	.05	7.8	20	113	0
Benzo[k]fluoranthene	1.531	1.431	.05	6.5	20	122	0
Benzo[a]pyrene	1.467	1.415	.05	3.5	20	118	0
Indeno[1,2,3-cd]pyrene	1.483	1.516	.05	-2.2	20	123	0
Dibenzo[a,h]anthracene	1.321	1.298	.05	1.7	20	121	0
Benzo[g,h,i]perylene	1.459	1.395	.05	4.4	20	120	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503		
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116		
Instrument ID	: SV120	**Calibration Date**	: 08/27/24 07:54		
Lab File ID	: CCV0827	**Init. Calib. Date(s)**	: 07/28/24	07/28/24	
Sample No	: WG1964292-3	**Init. Calib. Times**	: 16:50	19:15	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	136	0
2-Fluorophenol	1.188	1.157	.05	2.6	20	134	0
Phenol-d6	1.445	1.515	.05	-4.8	20	144	0
Bis(2-chloroethyl)ether	1.315	1.229	.05	6.5	20	135	0
n-nitrosodi-n-propylamine	0.87	0.905	.05	-4	20	141	0
Hexachloroethane	0.561	0.533	.05	5	20	132	0
Nitrobenzene-d5	1.176	1.342	.05	-14.1	20	151	0
Naphthalene-d8	1	1	.05	0	20	138	0
Naphthalene	1.149	1.032	.05	10.2	20	133	0
Hexachlorobutadiene	0.197	0.191	.05	3	20	139	0
2-Methylnaphthalene	0.729	0.71	.05	2.6	20	137	0
1-Methylnaphthalene	0.68	0.664	.05	2.4	20	138	0
2-Fluorobiphenyl	0.862	0.838	.05	2.8	20	140	0
2-Chloronaphthalene	0.741	0.711	.05	4	20	136	0
2,6-Dinitrotoluene	1000	1042.892	.05	-4.3	20	154	0
Acenaphthylene	1.063	1.104	.05	-3.9	20	137	0
Acenaphthene-d10	1	1	.05	0	20	144	0
Acenaphthene	1.442	1.293	.05	10.3	20	136	0
2,4-Dinitrotoluene	1000	1014.137	.05	-1.4	20	154	0
Fluorene	1.598	1.48	.05	7.4	20	138	0
2,4,6-Tribromophenol	0.22	0.207	.05	5.9	20	123	0
Phenanthrene-d10	1	1	.05	0	20	145	0
4,6-Dinitro-o-cresol	1000	1137.73	.05	-13.8	20	171	0
Hexachlorobenzene	0.28	0.235	.05	16.1	20	128	0
Pentachlorophenol	1000	961.754	.05	3.8	20	144	0
Phenanthrene	1.188	1.061	.05	10.7	20	135	0
Anthracene	1.146	1.088	.05	5.1	20	137	0
Fluoranthene	1.283	1.223	.05	4.7	20	138	0
Pyrene	1.337	1.282	.05	4.1	20	137	0
4-Terphenyl-d14	0.838	0.848	.05	-1.2	20	151	0
Chrysene-d12	1	1	.05	0	20	139	0
Benzo[a]anthracene	1000	913.114	.05	8.7	20	128	0
3,3'-Dichlorobenzene	1000	926.622	.05	7.3	20	138	0
Chrysene	1.455	1.373	.05	5.6	20	134	0
Bis(2-ethylhexyl)phthalate	1000	893.33	.05	10.7	20	126	0
Perylene-d12	1	1	.05	0	20	140	0
Benzo[b]fluoranthene	1.35	1.298	.05	3.9	20	136	0
Benzo[k]fluoranthene	1.272	1.261	.05	0.9	20	126	0
Benzo[a]pyrene	1.08	1.128	.05	-4.4	20	133	0
Indeno[1,2,3-cd]pyrene	1.012	1.092	.05	-7.9	20	143	0
Dibenzo[a,h]anthracene	0.95	1.073	.05	-12.9	20	144	0
Benzo[g,h,i]perylene	1.034	1.069	.05	-3.4	20	136	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : ccv0827.D
Acq On : 27 Aug 2024 07:54 am
Operator : SV120:rp
Sample : WG1964292-3,32,, ICV10884 (0806a)
Misc : WG1964292,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 27 12:26:55 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:26 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	136	0.00
2	s	2-Fluorophenol	1.188	1.157	2.6	134	0.00
3	s	Phenol-d6	1.445	1.515	-4.8	144	0.00
4	T	Bis(2-chloroethyl)ether	1.315	1.229	6.5	135	0.00
5	T	n-nitrosodi-n-propylamine	0.870	0.905	-4.0	141	0.00
6	t	Hexachloroethane	0.561	0.533	5.0	132	0.00
7	s	Nitrobenzene-d5	1.176	1.342	-14.1	151	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	138	0.00
9	t	Naphthalene	1.149	1.032	10.2	133	0.00
10	t	Hexachlorobutadiene	0.197	0.191	3.0	139	0.00
11	t	2-Methylnaphthalene	0.729	0.710	2.6	137	0.00
12	t	1-Methylnaphthalene	0.680	0.664	2.4	138	0.00
13	s	2-Fluorobiphenyl	0.862	0.838	2.8	140	0.00
14	t	2-Chloronaphthalene	0.741	0.711	4.0	136	0.00
15	t	2,6-Dinitrotoluene	*1000.000	1042.892	-4.3	154	0.00
16	t	Acenaphthylene	1.063	1.104	-3.9	137	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	144	0.00
18	t	Acenaphthene	1.442	1.293	10.3	136	0.00
19	t	2,4-Dinitrotoluene	*1000.000	1014.137	-1.4	154	0.00
20	t	Fluorene	1.598	1.480	7.4	138	0.00
21	s	2,4,6-Tribromophenol	0.220	0.207	5.9	123	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	145	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	1137.730	-13.8	171	0.00
24	t	Hexachlorobenzene	0.280	0.235	16.1	128	0.00
25	t	Pentachlorophenol	*1000.000	961.754	3.8	144	0.00
26	t	Phenanthrene	1.188	1.061	10.7	135	0.00
27	t	Anthracene	1.146	1.088	5.1	137	0.00
28	t	Fluoranthene	1.283	1.223	4.7	138	0.00
29	t	Pyrene	1.337	1.282	4.1	137	0.00
30	s	4-Terphenyl-d14	0.838	0.848	-1.2	151	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	139	0.00
32	t	Benzo[a]anthracene	*1000.000	913.114	8.7	128	0.00
33	t	3,3'-Dichlorobenzene	*1000.000	926.622	7.3	138	0.00
34	t	Chrysene	1.455	1.373	5.6	134	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	893.330	10.7	126	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : ccv0827.D
Acq On : 27 Aug 2024 07:54 am
Operator : SV120:rp
Sample : WG1964292-3,32,, ICV10884 (0806a)
Misc : WG1964292,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 27 12:26:55 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:26 2024
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	140	0.00
37	t	Benzo[b]fluoranthene	1.350	1.298	3.9	136	0.00
38	t	Benzo[k]fluoranthene	1.272	1.261	0.9	126	0.00
39	t	Benzo[a]pyrene	1.080	1.128	-4.4	133	0.00
40	t	Indeno[1,2,3-cd]pyrene	1.012	1.092	-7.9	143	0.00
41	t	Dibenzo[a,h]anthracene	0.950	1.073	-12.9	144	0.00
42	t	Benzo[g,h,i]perylene	1.034	1.069	-3.4	136	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : ccv0827.D
Acq On : 27 Aug 2024 07:54 am
Operator : SV120:rp
Sample : WG1964292-3,32,, ICV10884 (0806a)
Misc : WG1964292,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 27 12:26:55 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.170	152	454641	4000.000	ng/ml	0.00
8) Naphthalene-d8	2.831	136	1780821	4000.000	ng/ml	0.00
17) Acenaphthene-d10	3.805	164	1044720	4000.000	ng/ml	0.00
22) Phenanthrene-d10	4.637	188	2173941	4000.000	ng/ml	0.00
31) Chrysene-d12	6.198	240	1787578	4000.000	ng/ml	0.00
36) Perylene-d12	7.328	264	1774909	4000.000	ng/ml	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	1.594	112	131473	973.567	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.68%			
3) Phenol-d6	1.988	99	172162	1048.042	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.40%			
7) Nitrobenzene-d5	2.451	82	152546	1140.993	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 114.10%			
13) 2-Fluorobiphenyl	3.427	172	373199	972.482	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.25%			
21) 2,4,6-Tribromophenol	4.247	330	54159	941.624	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.08%			
30) 4-Terphenyl-d14	5.559	244	460815	1012.158	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 50.61%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.037	93	139671	934.448	ng/ml	85
5) n-nitrosodi-n-propylamine	2.371	70	102873	1040.187	ng/ml	99
6) Hexachloroethane	2.428	117	60573	949.745	ng/ml	96
9) Naphthalene	2.841	128	459391	898.347	ng/ml#	100
10) Hexachlorobutadiene	2.914	225	85073	968.497	ng/ml	100
11) 2-Methylnaphthalene	3.221	142	316199	974.152	ng/ml	100
12) 1-Methylnaphthalene	3.274	142	295504	975.556	ng/ml	99
14) 2-Chloronaphthalene	3.490	162	316648	960.128	ng/ml	100
15) 2,6-Dinitrotoluene	3.685	165	75927	1042.892	ng/ml	96
16) Acenaphthylene	3.721	152	491421	1037.945	ng/ml	100
18) Acenaphthene	3.821	153	337683	896.311	ng/ml	97
19) 2,4-Dinitrotoluene	3.913	165	103969	1014.137	ng/ml	96
20) Fluorene	4.109	166	386650	926.147	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.143	198	58335	1137.730	ng/ml	100
24) Hexachlorobenzene	4.426	284	127674	837.590	ng/ml	99
25) Pentachlorophenol	4.537	266	67424	961.754	ng/ml	100
26) Phenanthrene	4.651	178	576472	893.014	ng/ml	100
27) Anthracene	4.679	178	591297	949.411	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : ccv0827.D
Acq On : 27 Aug 2024 07:54 am
Operator : SV120:rp
Sample : WG1964292-3,32,, ICV10884 (0806a)
Misc : WG1964292,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 27 12:26:55 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Fluoranthene	5.330	202	664866	953.211	ng/ml	98
29) Pyrene	5.462	202	696903	959.009	ng/ml	99
32) Benzo[a]anthracene	6.188	228	618682	913.114	ng/ml	100
33) 3,3'-Dichlorobenzene	6.181	252	231227	926.622	ng/ml	99
34) Chrysene	6.212	228	613571	943.712	ng/ml	98
35) Bis(2-ethylhexyl)phtha...	6.222	149	360699	893.330	ng/ml	98
37) Benzo[b]fluoranthene	6.976	252	575926	961.292	ng/ml	100
38) Benzo[k]fluoranthene	6.999	252	559669	991.511	ng/ml	100
39) Benzo[a]pyrene	7.263	252	500467	1044.512	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.460	276	484713	1079.598	ng/ml	93
41) Dibenzo[a,h]anthracene	8.495	278	476047M6	1129.800	ng/ml	
42) Benzo[g,h,i]perylene	8.780	276	474371	1033.641	ng/ml	93

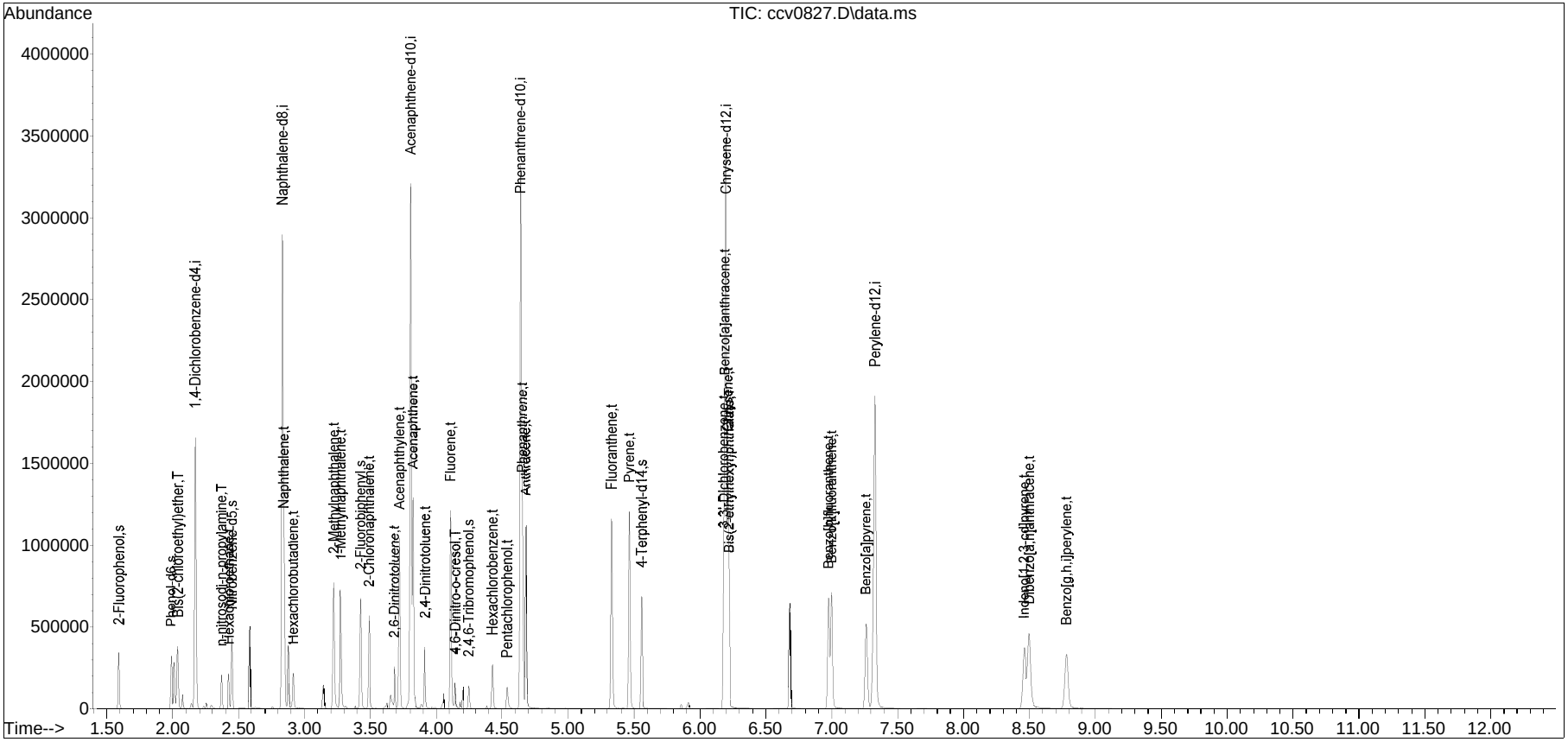
(#) = qualifier out of range (m) = manual integration (+) = signals summed

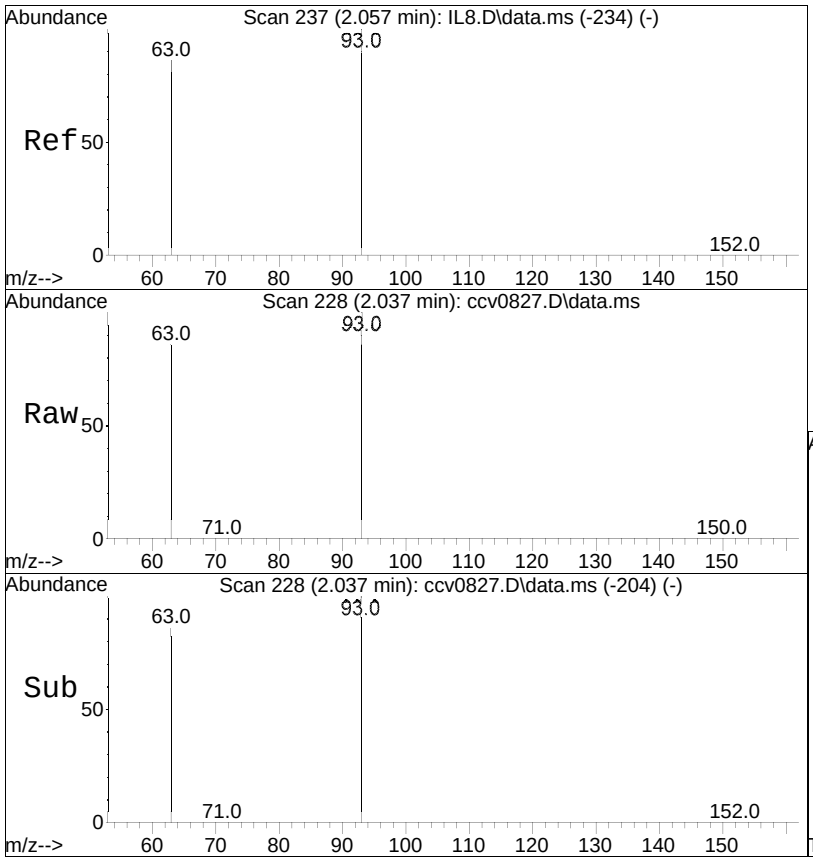
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : ccv0827.D
Acq On : 27 Aug 2024 07:54 am
Operator : SV120:rp
Sample : WG1964292-3,32,, ICV10884 (0806a)
Misc : WG1964292,,ical21368
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Aug 27 12:26:55 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:26 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

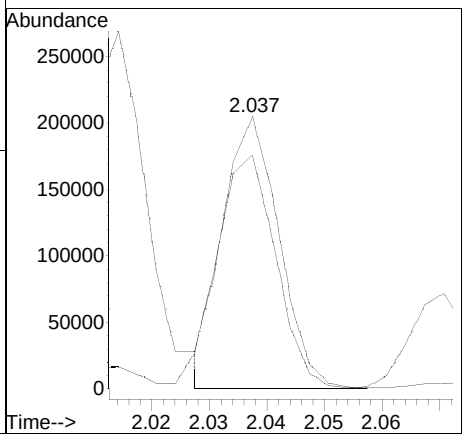


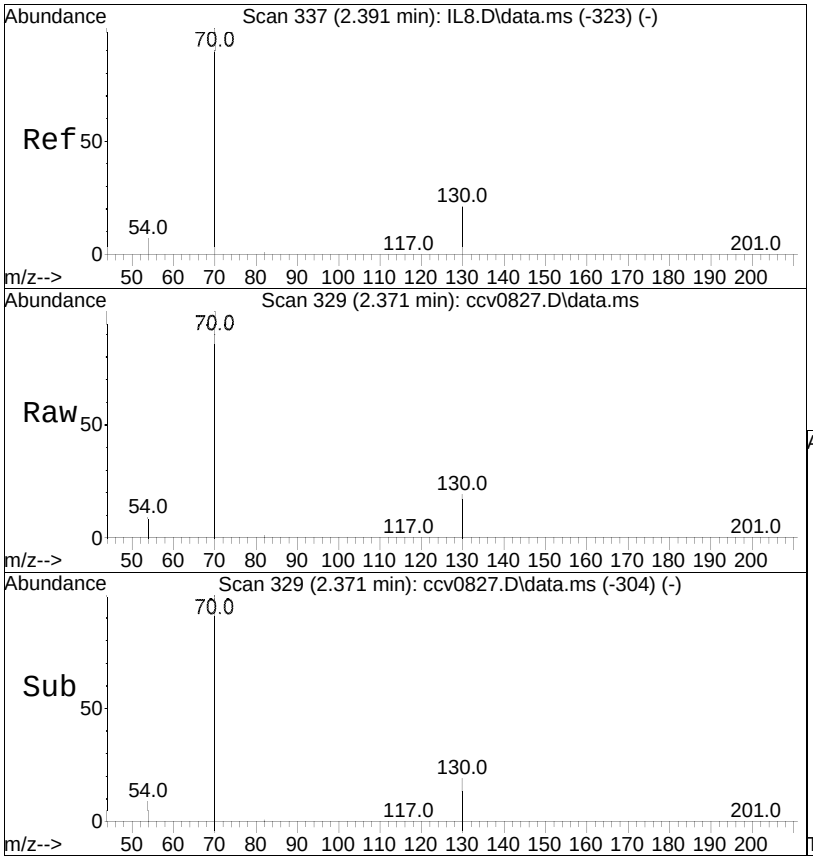


#4
Bis(2-chloroethyl)ether
Concen: 934.45 ng/ml
RT: 2.037 min Scan# 228
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion: 93 Resp: 139671

Ion	Ratio	Lower	Upper
93	100		
63	89.8	61.8	92.6

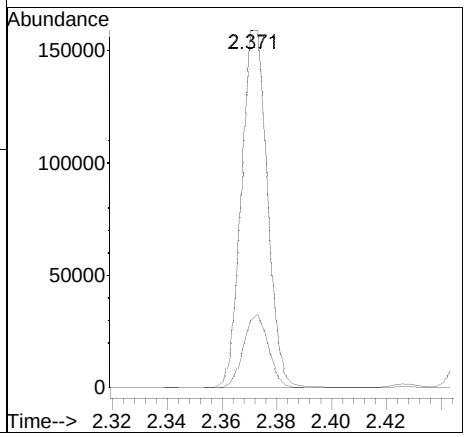


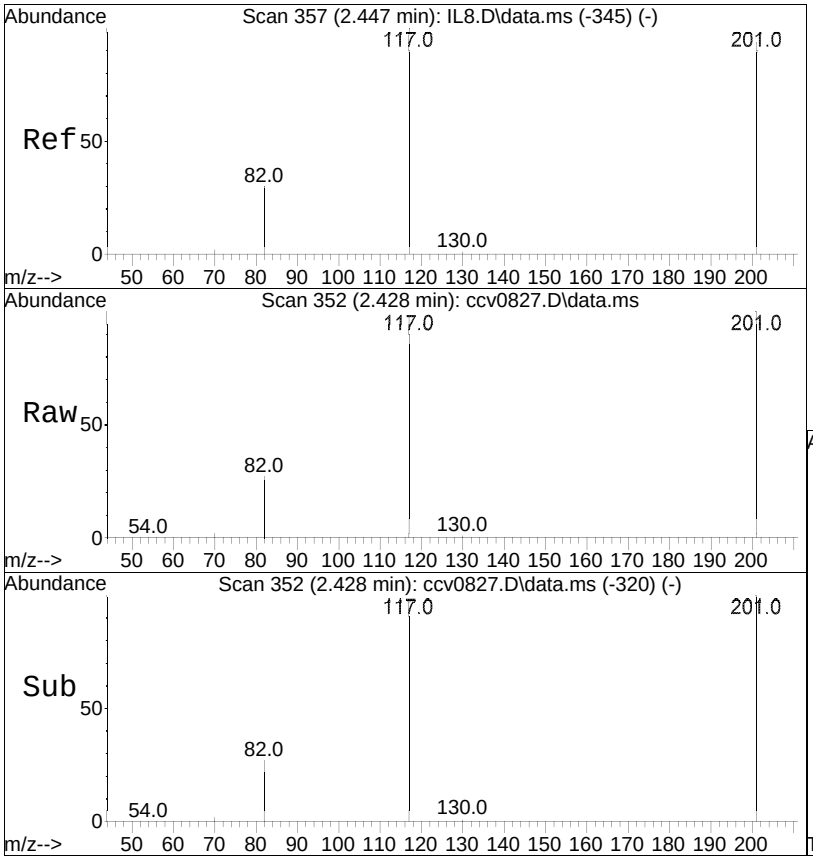


#5
n-nitrosodi-n-propylamine
Concen: 1040.19 ng/ml
RT: 2.371 min Scan# 329
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion: 70 Resp: 102873

Ion	Ratio	Lower	Upper
70	100		
130	20.0	16.4	24.6

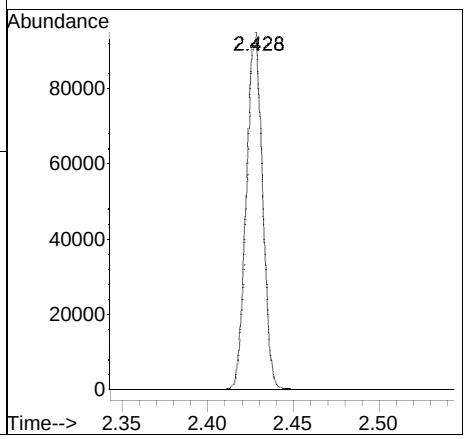


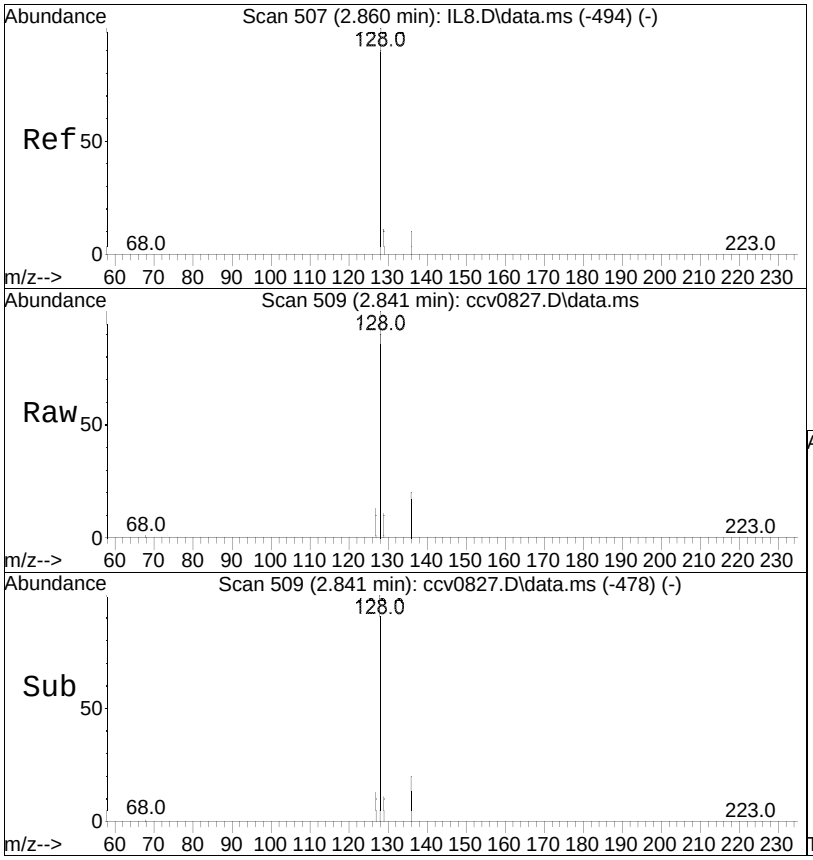


#6
Hexachloroethane
Concen: 949.74 ng/ml
RT: 2.428 min Scan# 352
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:117 Resp: 60573

Ion	Ratio	Lower	Upper
117	100		
201	99.6	76.6	115.0

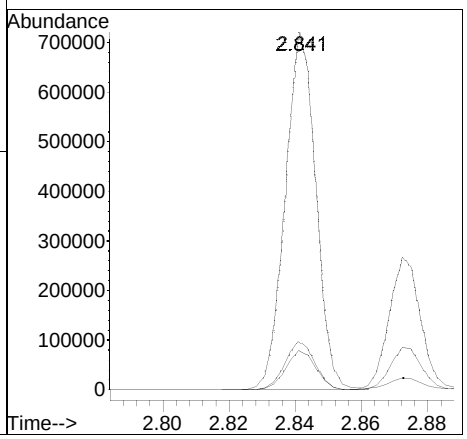


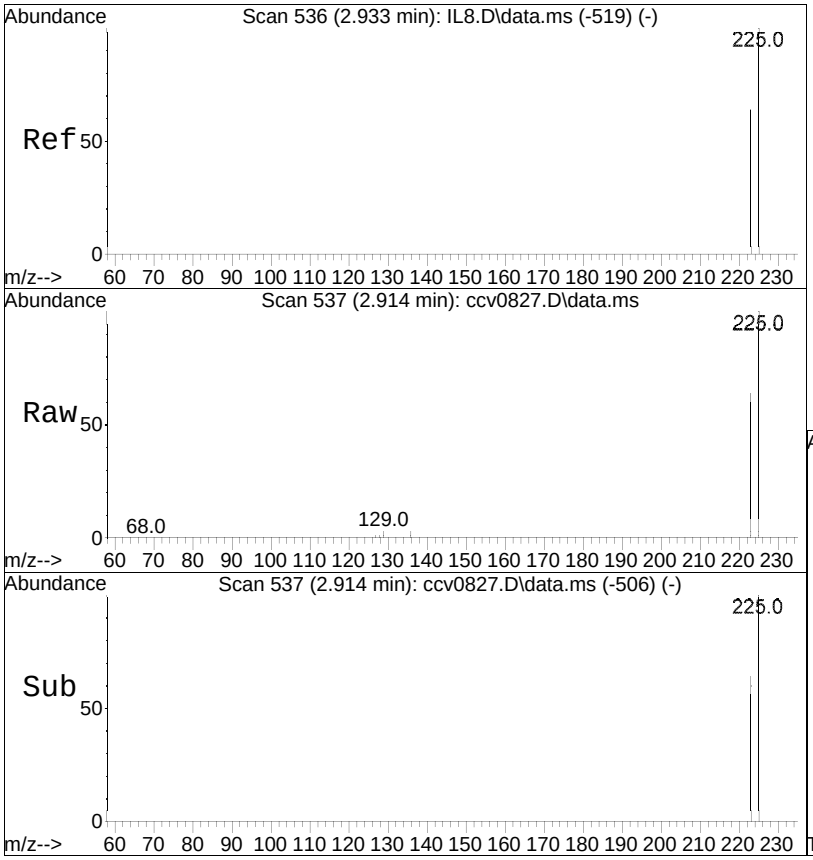


#9
Naphthalene
Concen: 898.35 ng/ml
RT: 2.841 min Scan# 509
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:128 Resp: 459391

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.4	0.0	0.0#

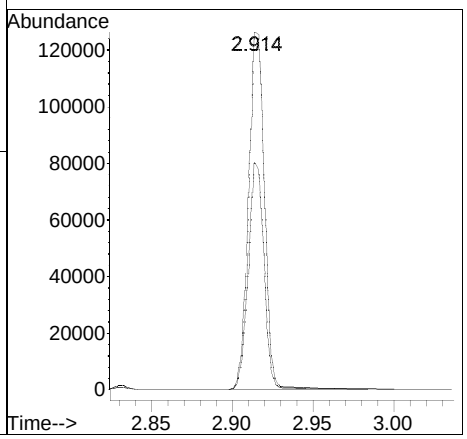


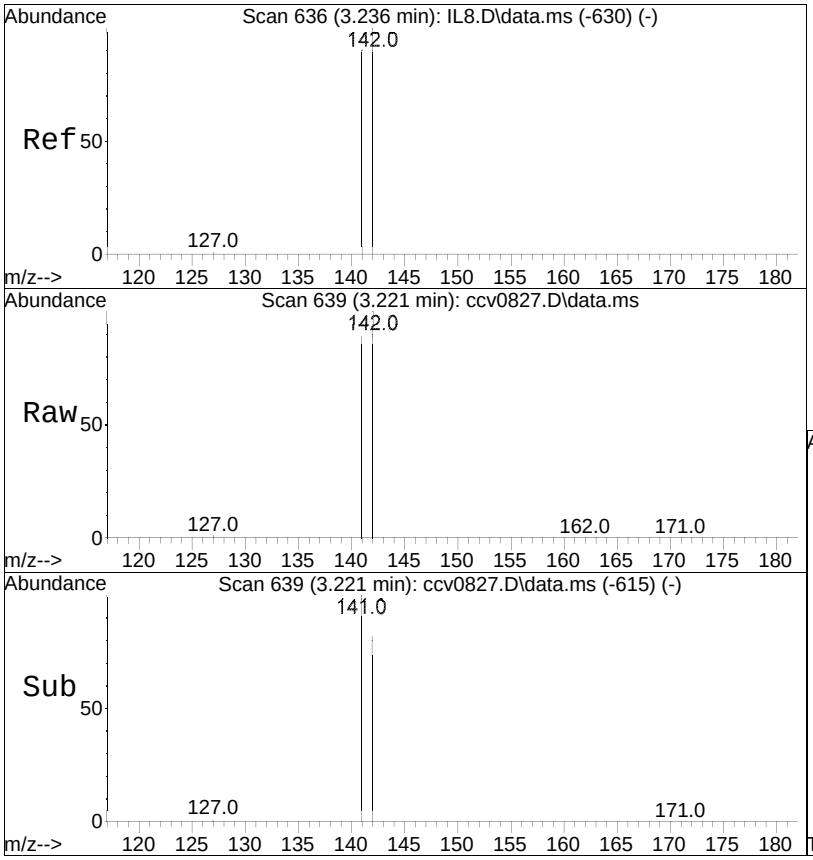


#10
Hexachlorobutadiene
Concen: 968.50 ng/ml
RT: 2.914 min Scan# 537
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:225 Resp: 85073

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.4	75.6

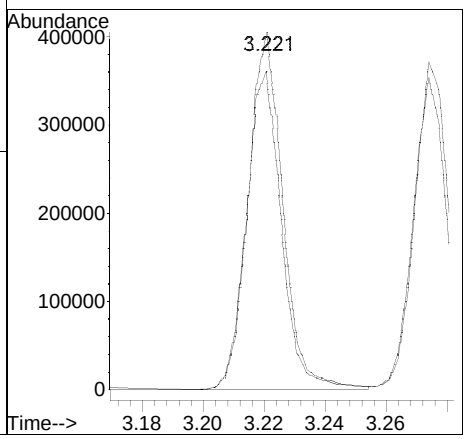


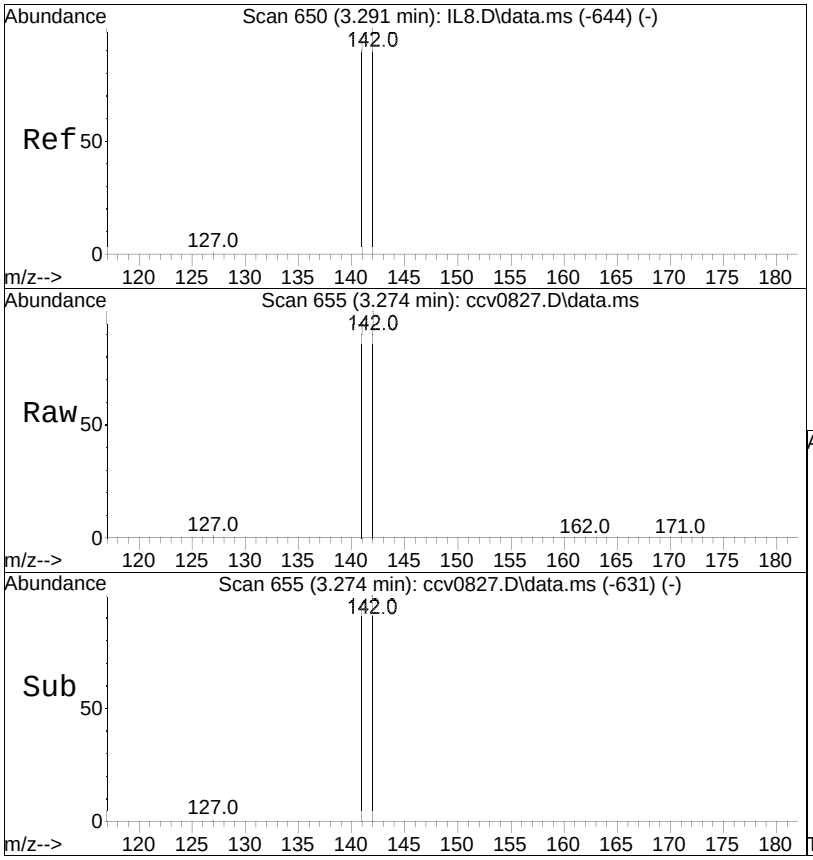


#11
2-Methylnaphthalene
Concen: 974.15 ng/ml
RT: 3.221 min Scan# 639
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:142 Resp: 316199

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.0	109.4

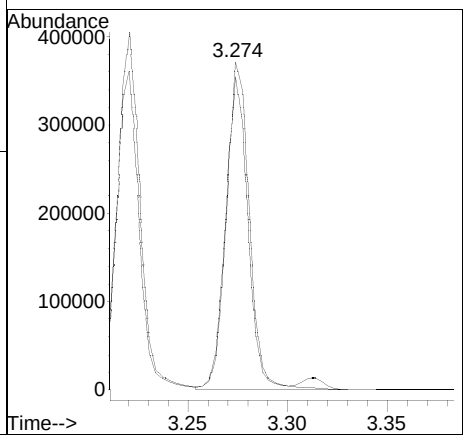


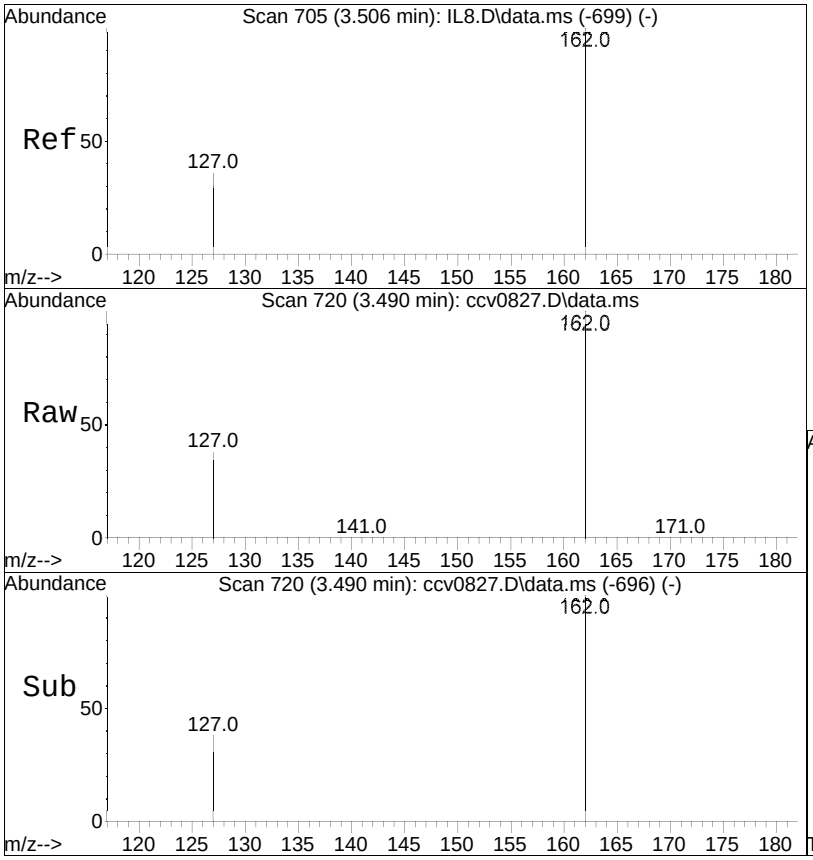


#12
1-Methylnaphthalene
Concen: 975.56 ng/ml
RT: 3.274 min Scan# 655
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:142 Resp: 295504

Ion	Ratio	Lower	Upper
142	100		
141	93.1	75.0	112.6

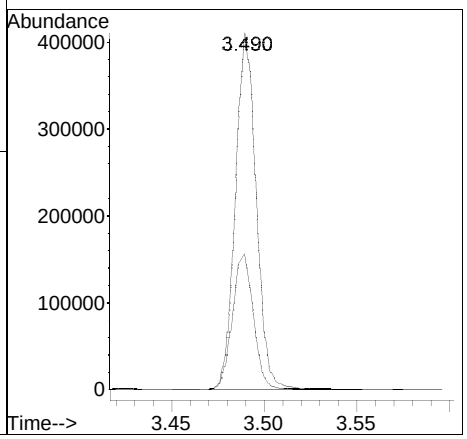


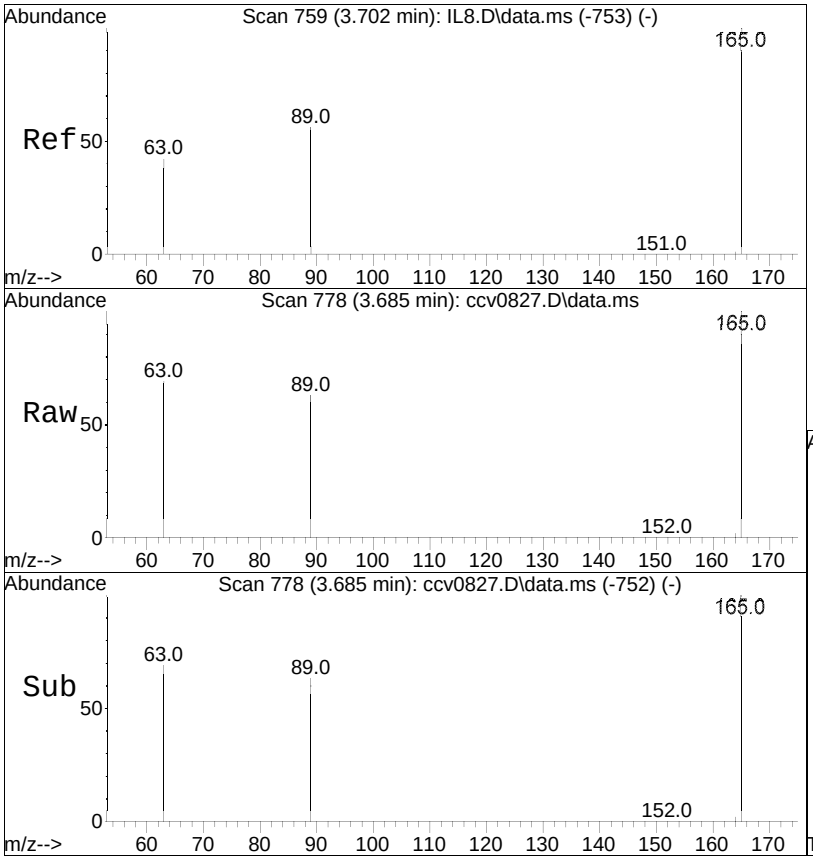


#14
2-Chloronaphthalene
Concen: 960.13 ng/ml
RT: 3.490 min Scan# 720
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:162 Resp: 316648

Ion	Ratio	Lower	Upper
162	100		
127	38.7	30.9	46.3

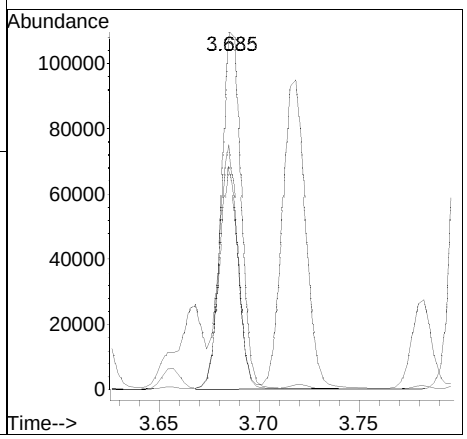


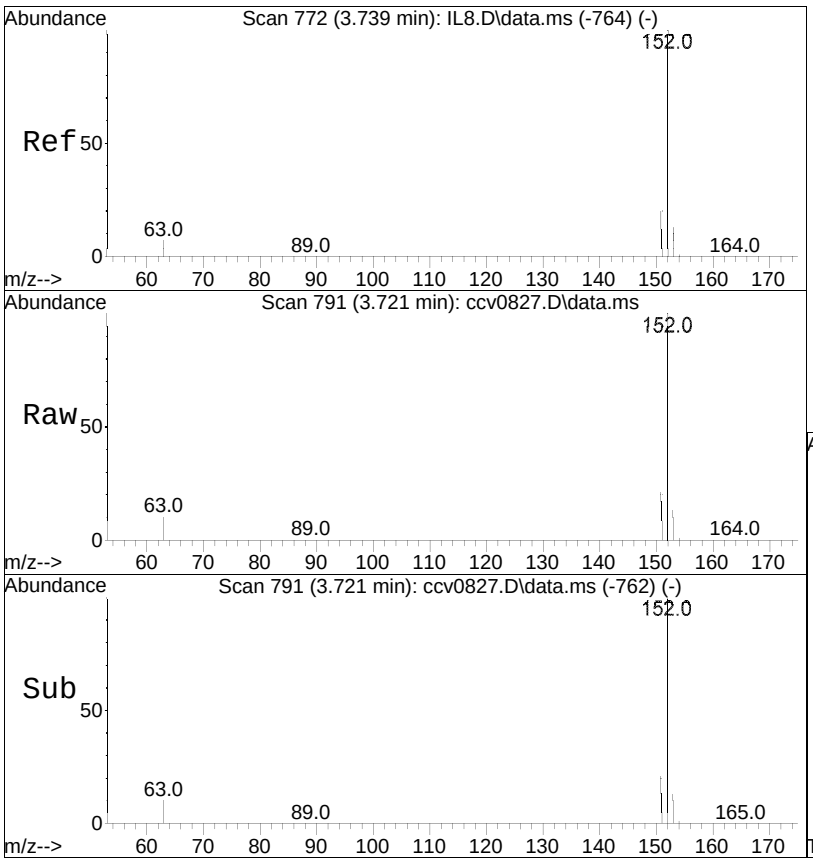


#15
2,6-Dinitrotoluene
Concen: 1042.89 ng/ml
RT: 3.685 min Scan# 778
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:165 Resp: 75927

Ion	Ratio	Lower	Upper
165	100		
89	59.7	49.9	74.9
63	64.2	48.5	72.7

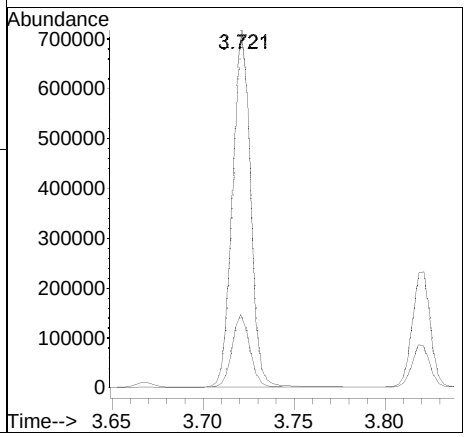


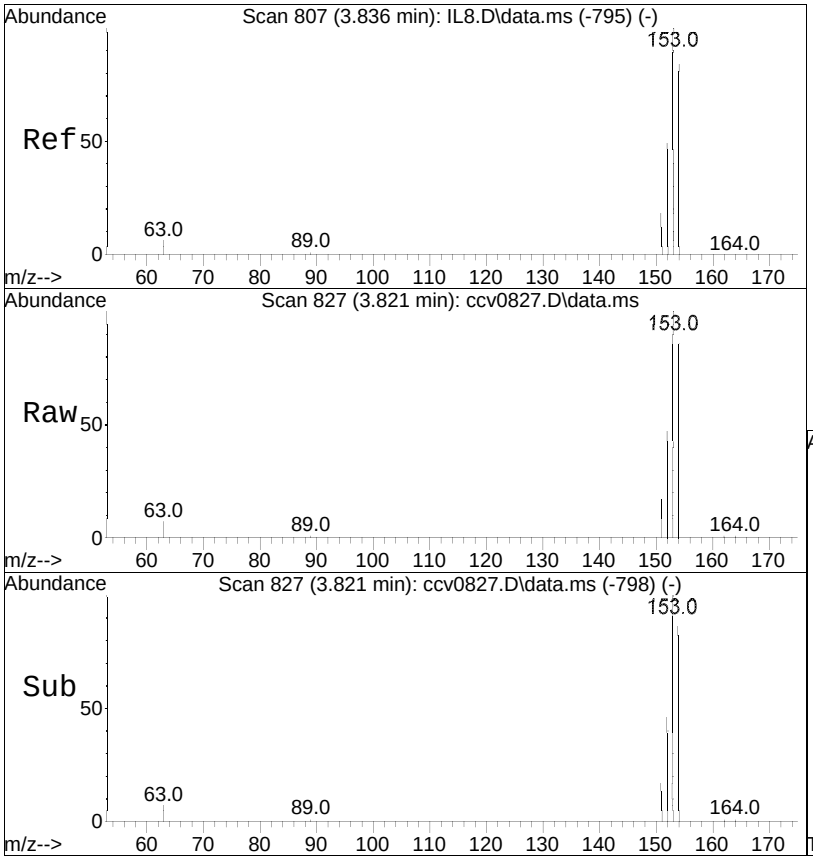


#16
Acenaphthylene
Concen: 1037.94 ng/ml
RT: 3.721 min Scan# 791
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:152 Resp: 491421

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5

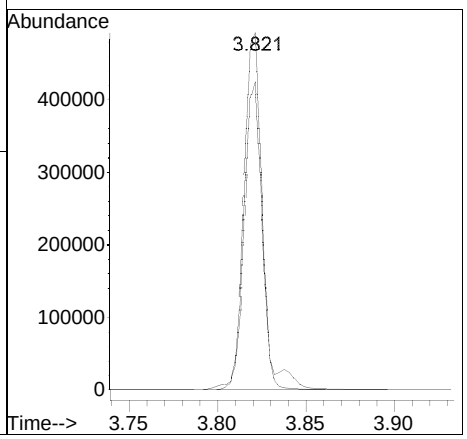


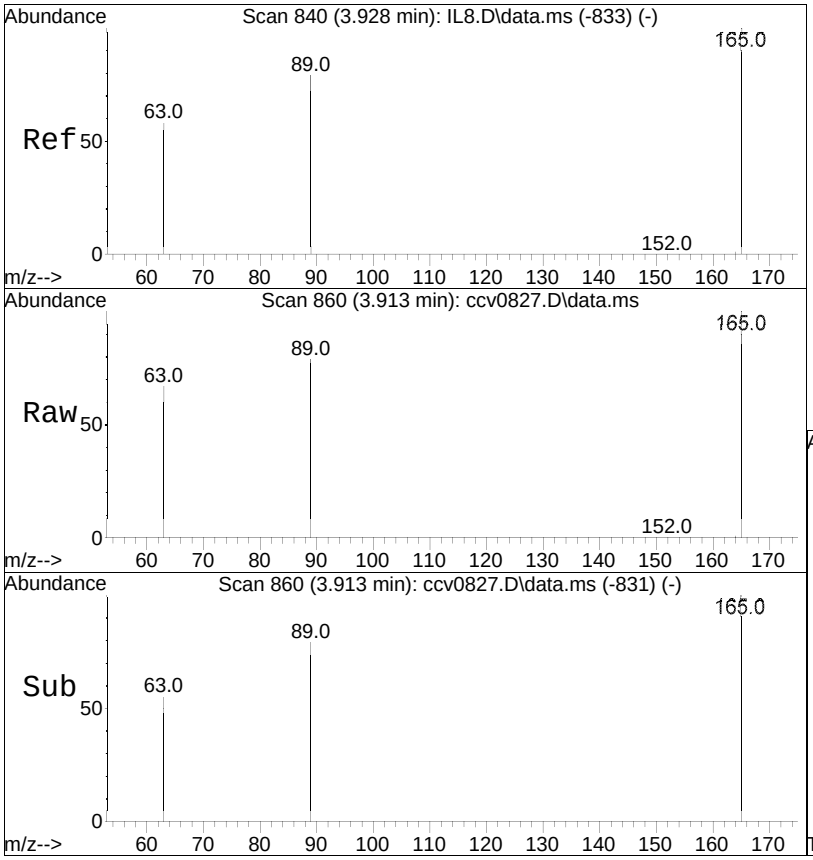


#18
Acenaphthene
Concen: 896.31 ng/ml
RT: 3.821 min Scan# 827
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:153 Resp: 337683

Ion	Ratio	Lower	Upper
153	100		
154	87.6	72.3	108.5

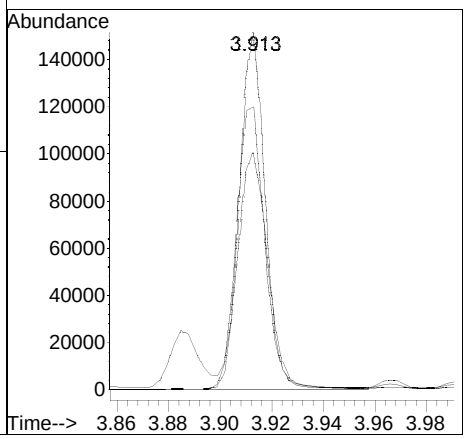


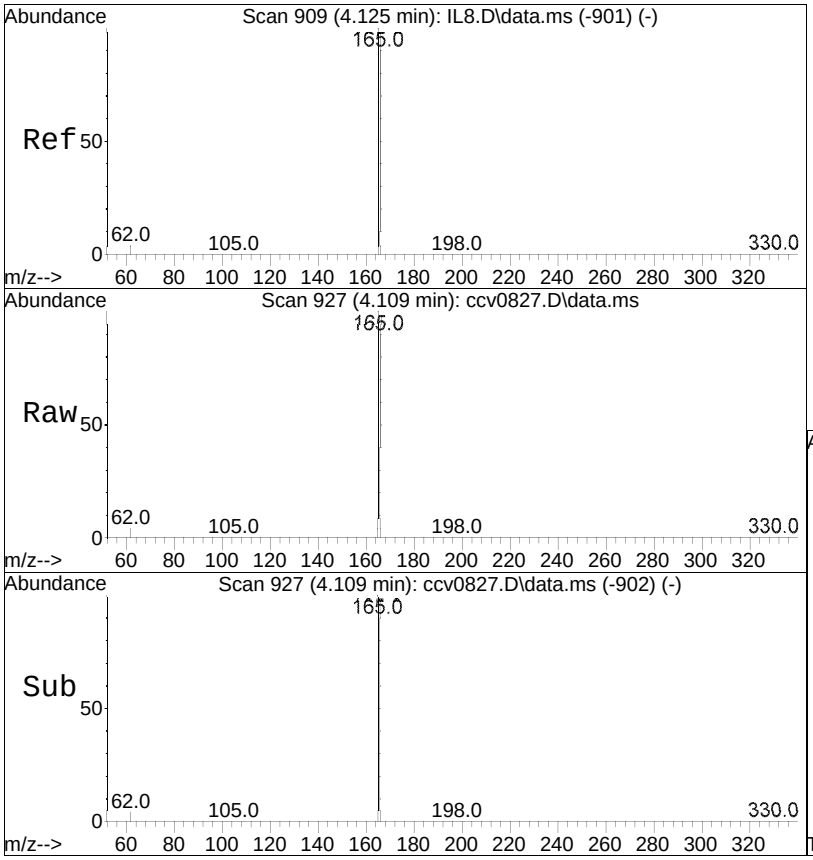


#19
2,4-Dinitrotoluene
Concen: 1014.14 ng/ml
RT: 3.913 min Scan# 860
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:165 Resp: 103969

Ion	Ratio	Lower	Upper
165	100		
89	87.2	72.9	109.3
63	76.4	59.0	88.4

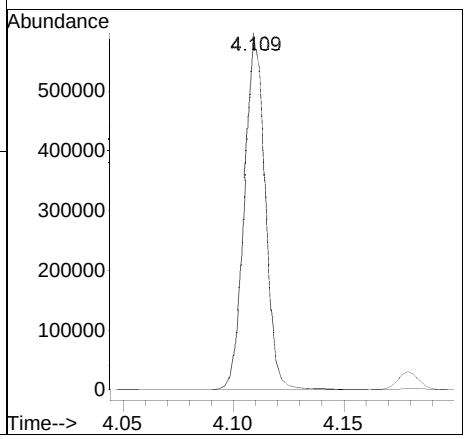


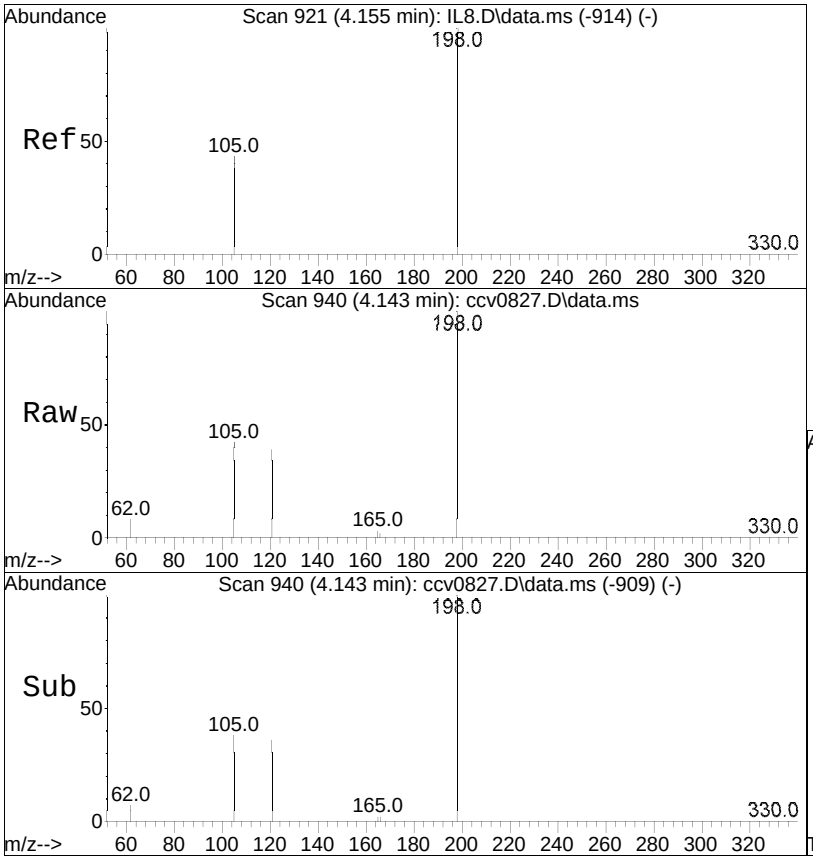


#20
Fluorene
Concen: 926.15 ng/ml
RT: 4.109 min Scan# 927
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:166 Resp: 386650

Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.5	122.3

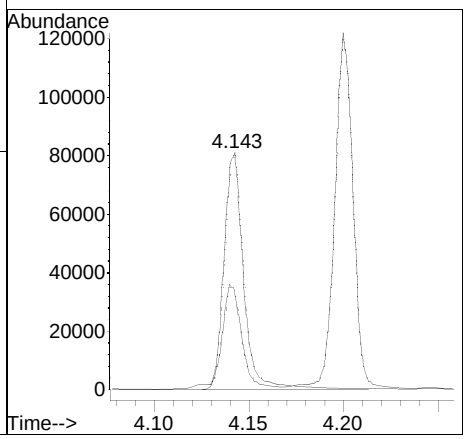


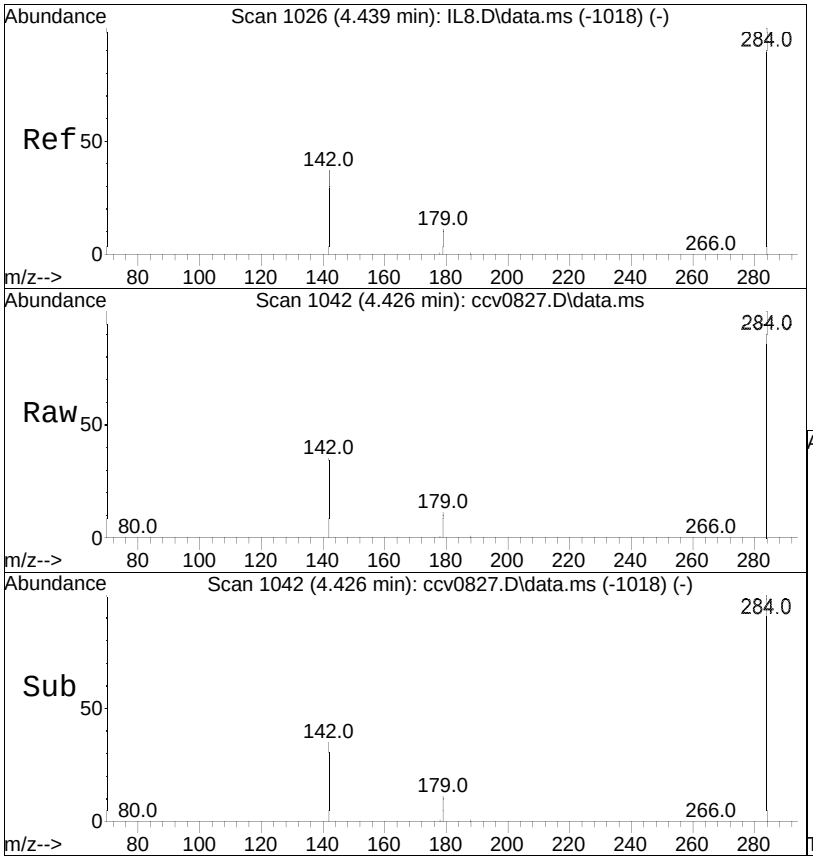


#23
4,6-Dinitro-o-cresol
Concen: 1137.73 ng/ml
RT: 4.143 min Scan# 940
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:198 Resp: 58335

Ion	Ratio	Lower	Upper
198	100		
105	44.9	36.2	54.2

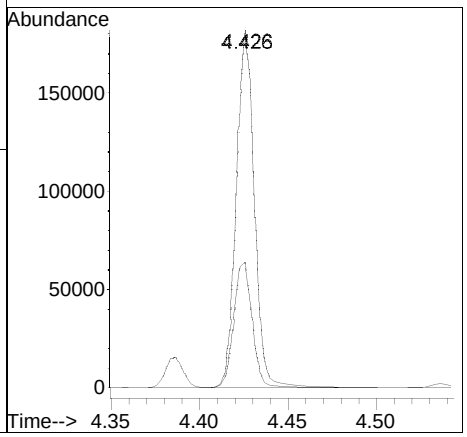


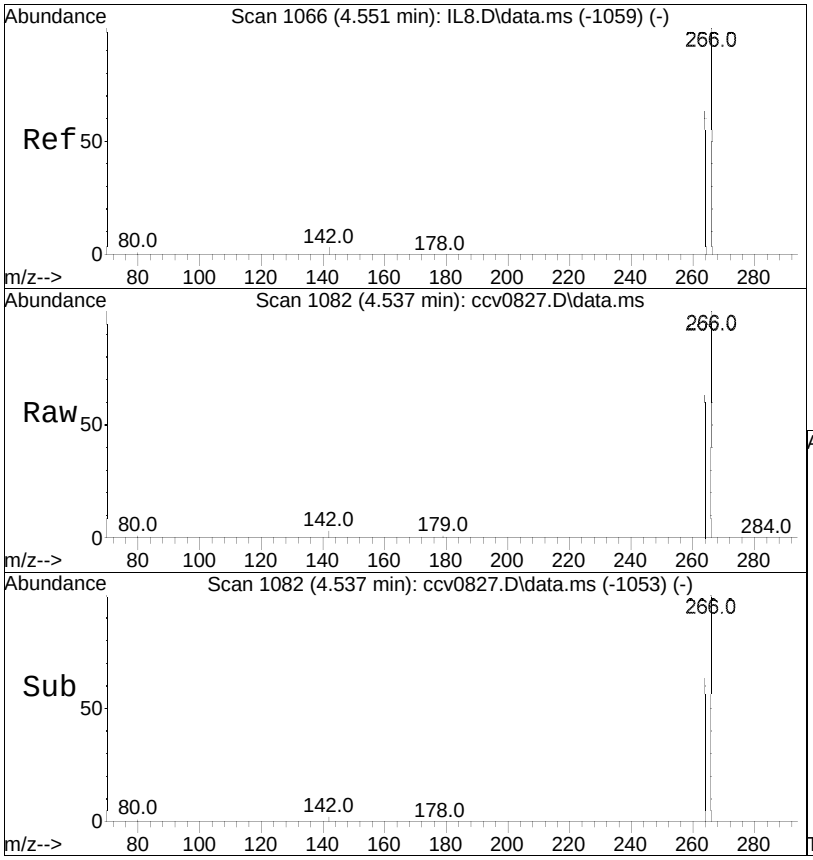


#24
Hexachlorobenzene
Concen: 837.59 ng/ml
RT: 4.426 min Scan# 1042
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:284 Resp: 127674

Ion	Ratio	Lower	Upper
284	100		
142	36.0	29.4	44.2

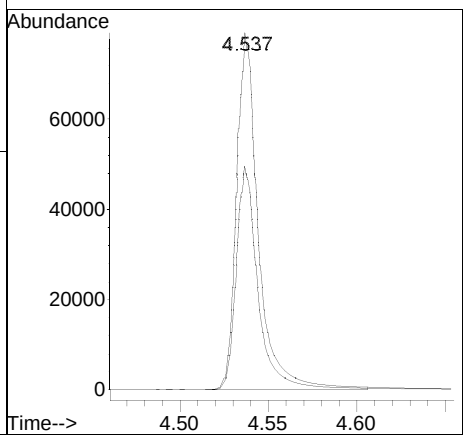


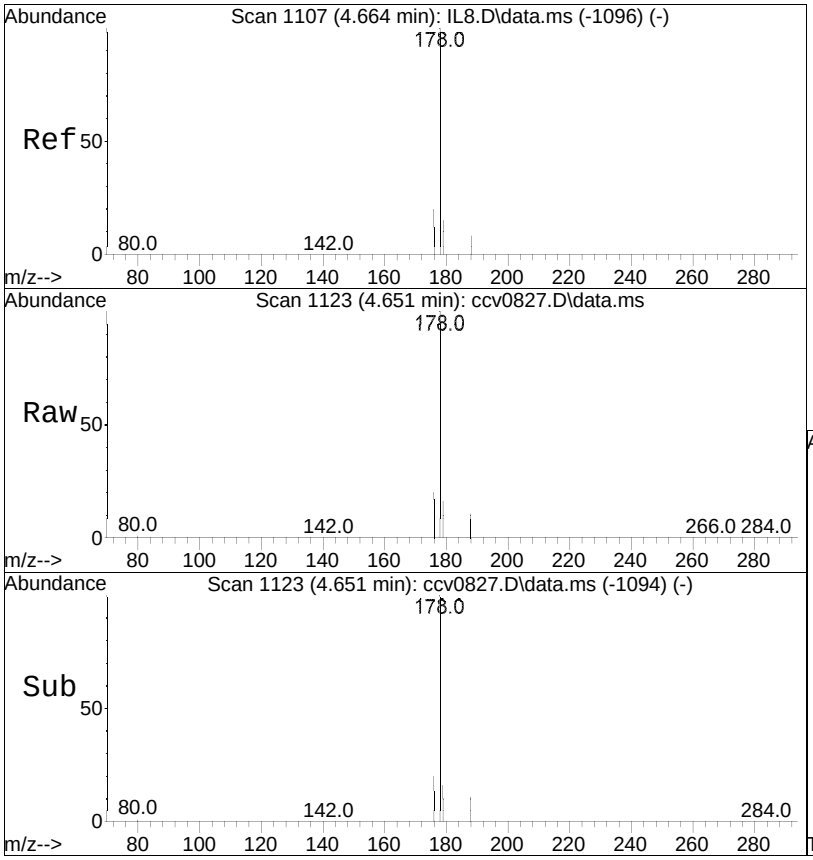


#25
Pentachlorophenol
Concen: 961.75 ng/ml
RT: 4.537 min Scan# 1082
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:266 Resp: 67424

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.2	75.4

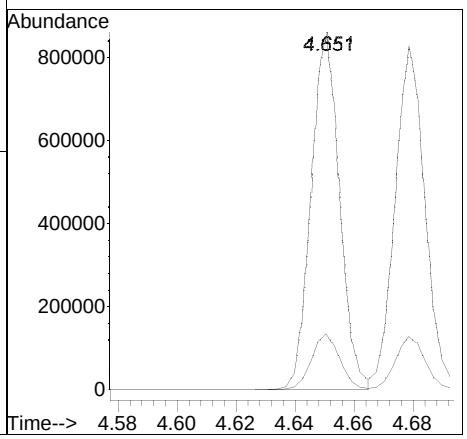


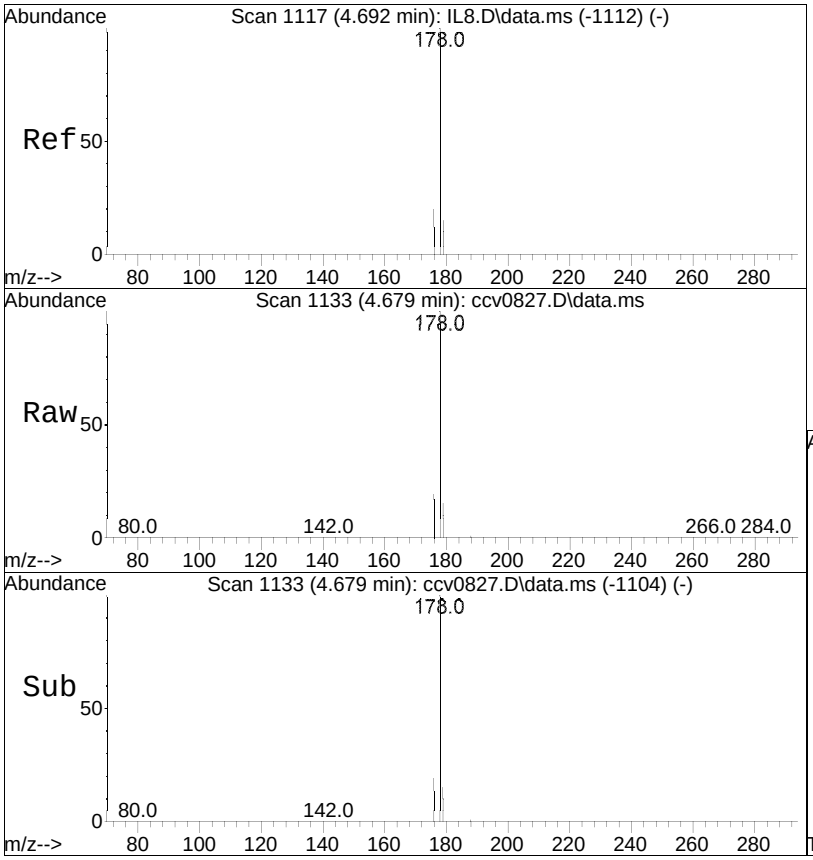


#26
Phenanthrene
Concen: 893.01 ng/ml
RT: 4.651 min Scan# 1123
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:178 Resp: 576472

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

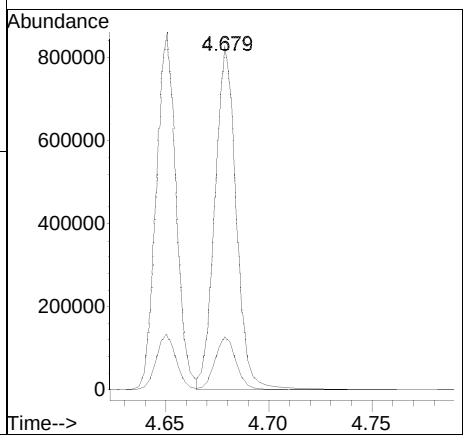


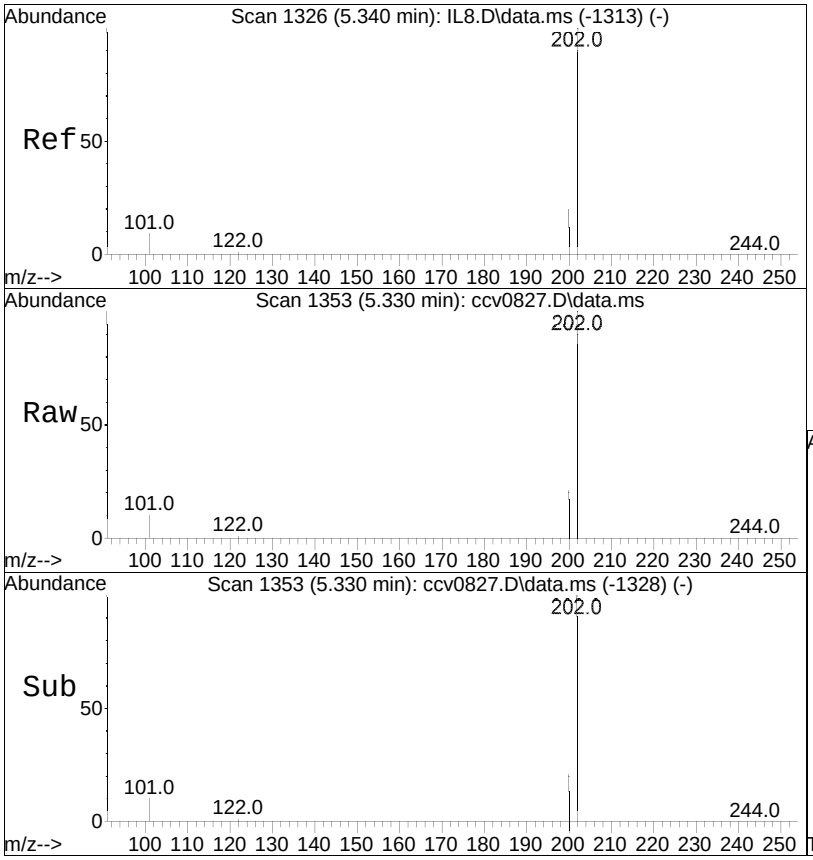


#27
Anthracene
Concen: 949.41 ng/ml
RT: 4.679 min Scan# 1133
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:178 Resp: 591297

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5

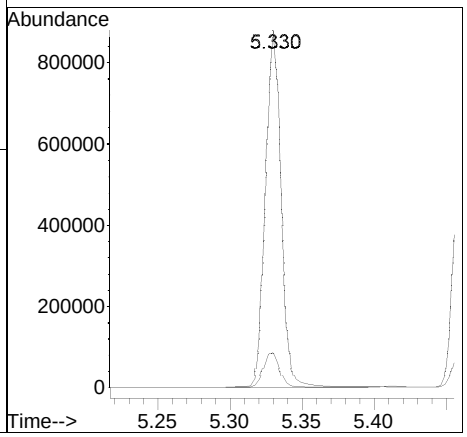


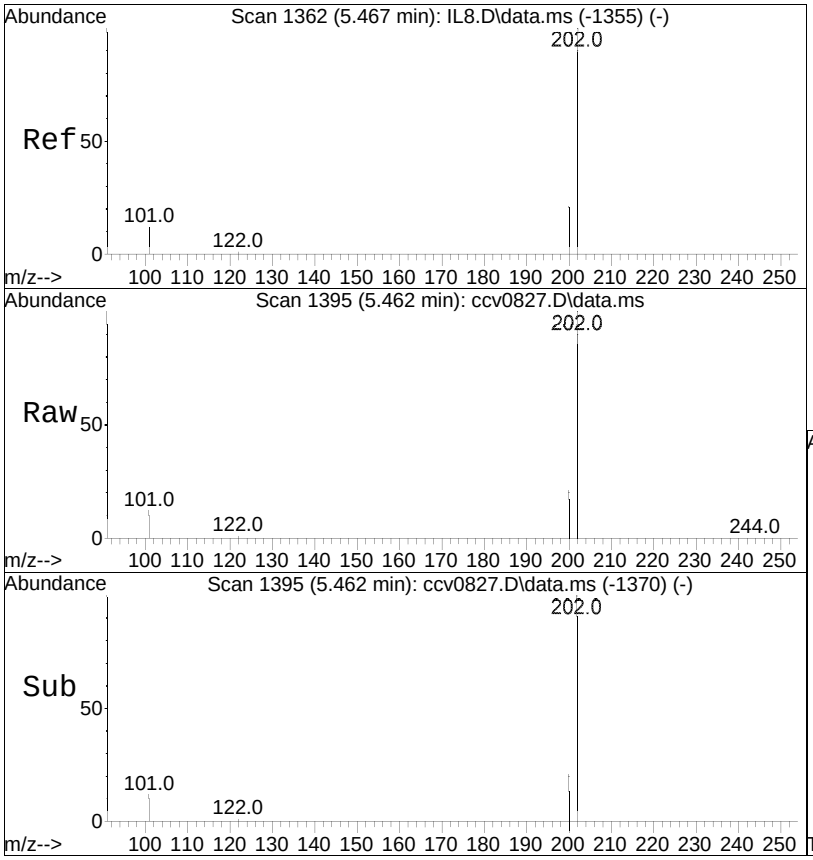


#28
Fluoranthene
Concen: 953.21 ng/ml
RT: 5.330 min Scan# 1353
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:202 Resp: 664866

Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.7	13.1

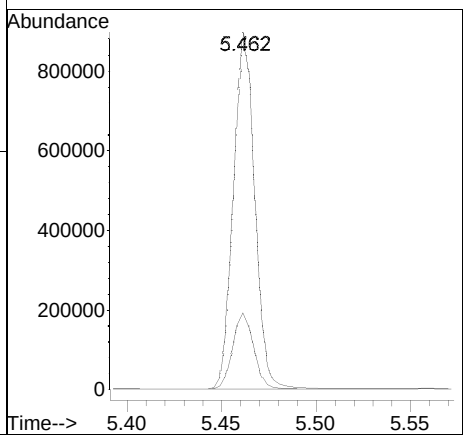


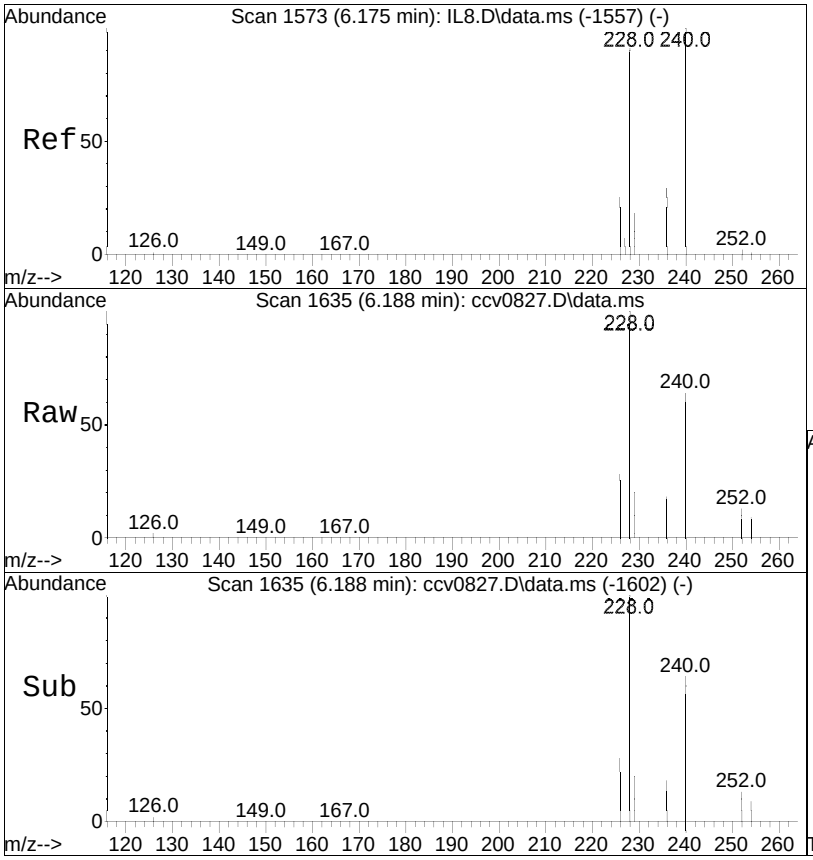


#29
Pyrene
Concen: 959.01 ng/ml
RT: 5.462 min Scan# 1395
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:202 Resp: 696903

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2

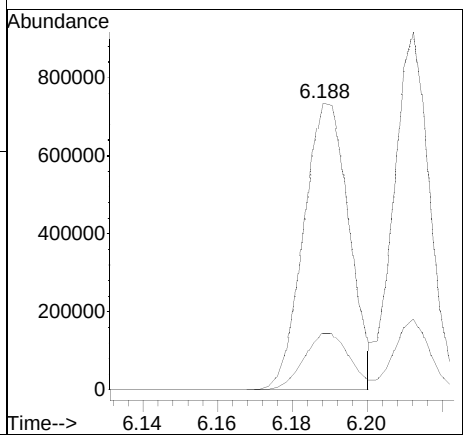


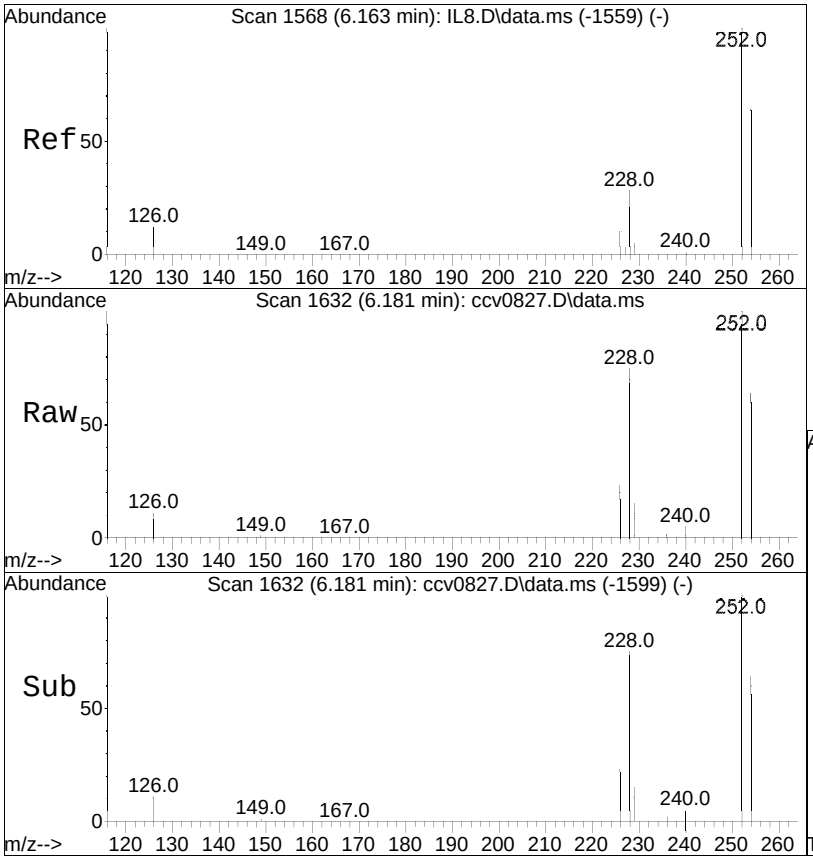


#32
Benzo[a]anthracene
Concen: 913.11 ng/ml
RT: 6.188 min Scan# 1635
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:228 Resp: 618682

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

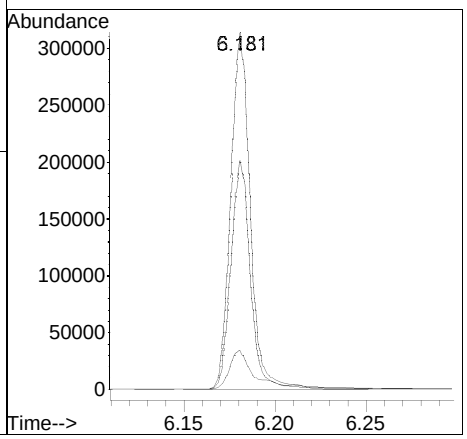


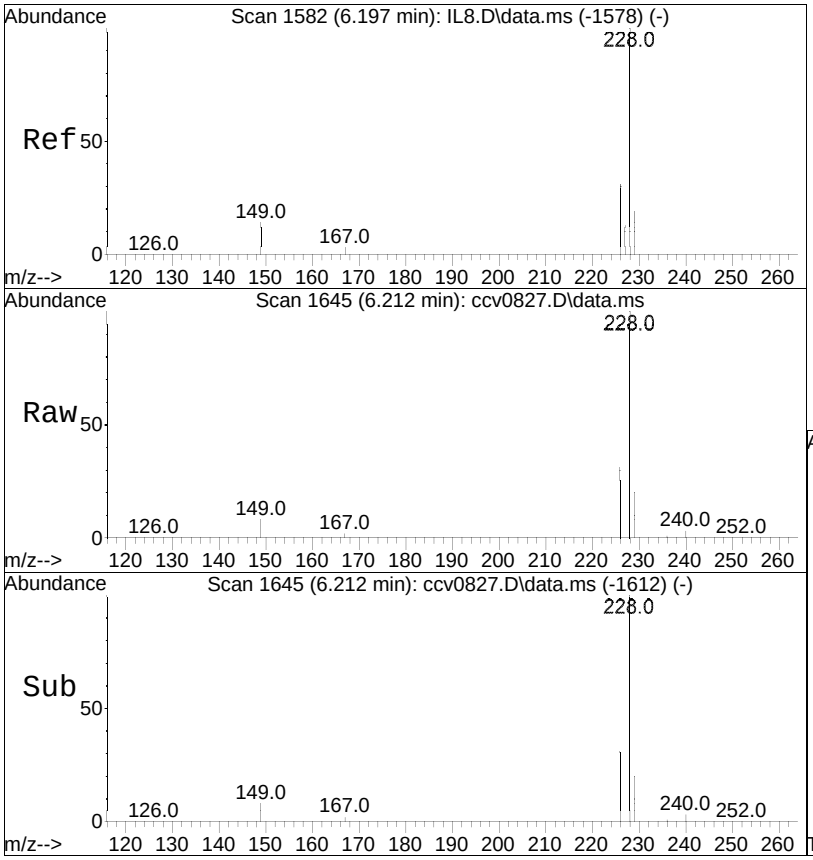


#33
3,3'-Dichlorobenzene
Concen: 926.62 ng/ml
RT: 6.181 min Scan# 1632
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:252 Resp: 231227

Ion	Ratio	Lower	Upper
252	100		
126	13.2	11.7	17.5
254	64.4	51.4	77.2

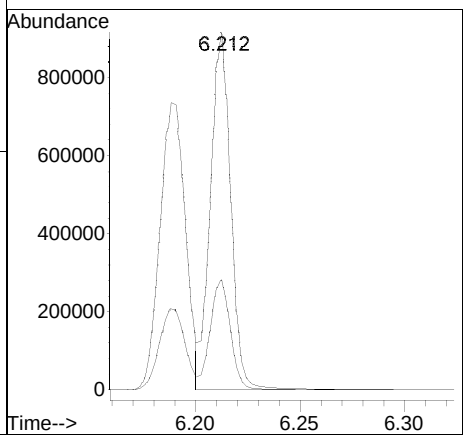


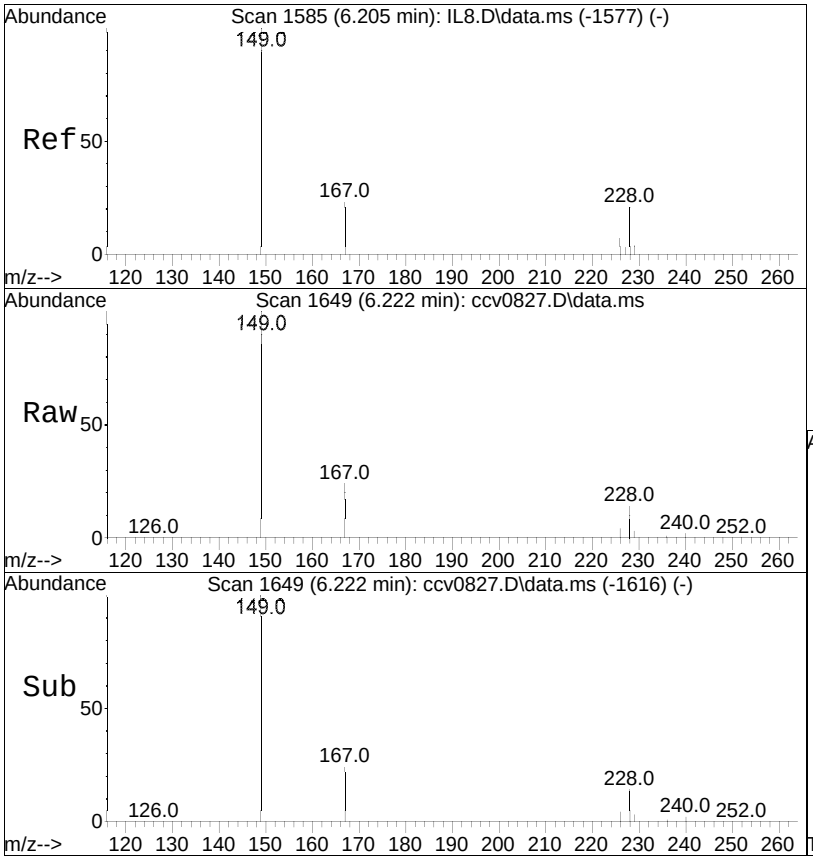


#34
Chrysene
Concen: 943.71 ng/ml
RT: 6.212 min Scan# 1645
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:228 Resp: 613571

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.7	38.5

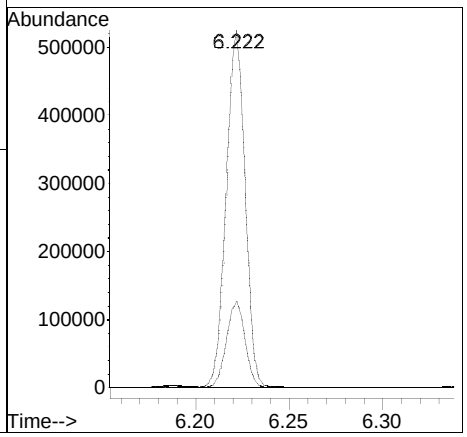


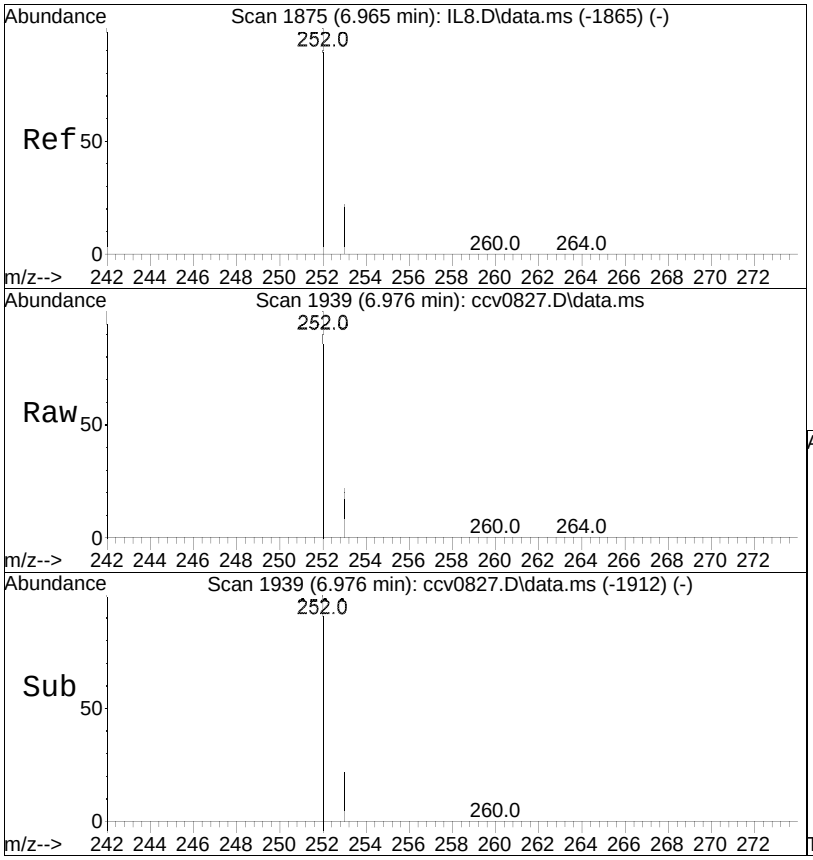


#35
Bis(2-ethylhexyl)phthalate
Concen: 893.33 ng/ml
RT: 6.222 min Scan# 1649
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:149 Resp: 360699

Ion	Ratio	Lower	Upper
149	100		
167	24.2	18.5	27.7

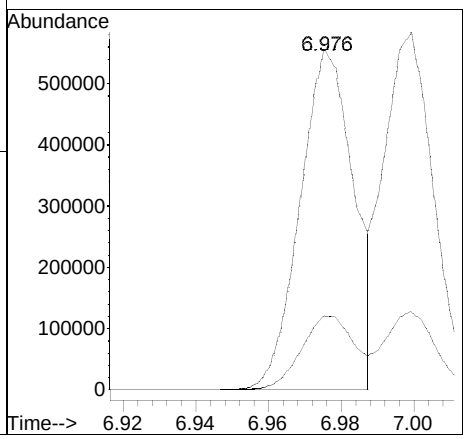


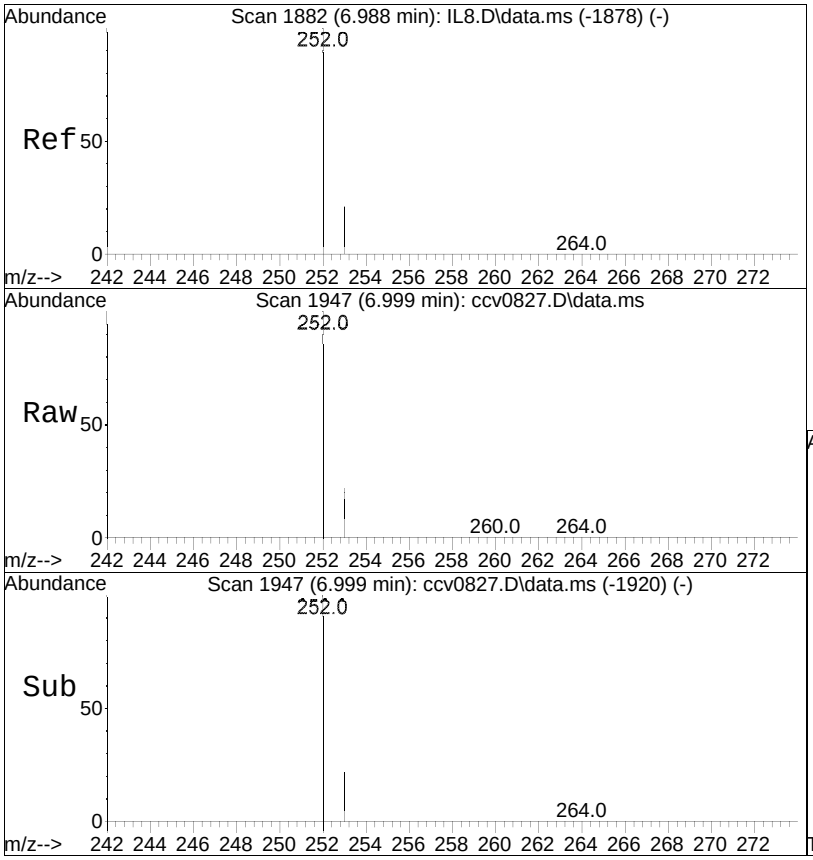


#37
Benzo[b]fluoranthene
Concen: 961.29 ng/ml
RT: 6.976 min Scan# 1939
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:252 Resp: 575926

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9

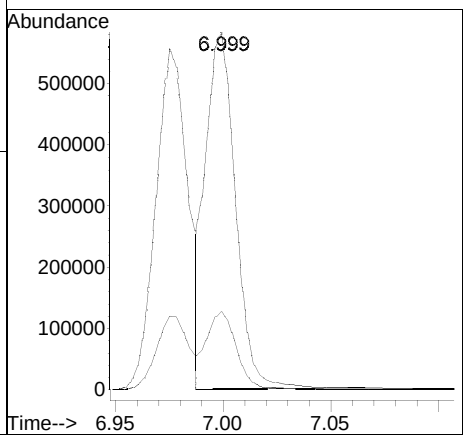


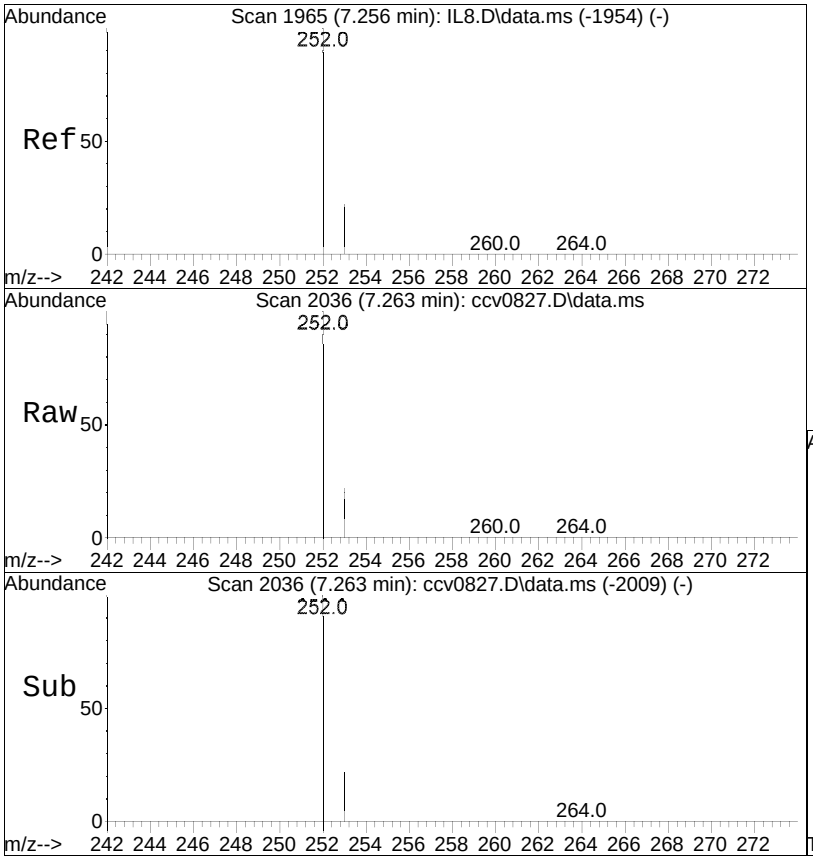


#38
Benzo[k]fluoranthene
Concen: 991.51 ng/ml
RT: 6.999 min Scan# 1947
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:252 Resp: 559669

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4

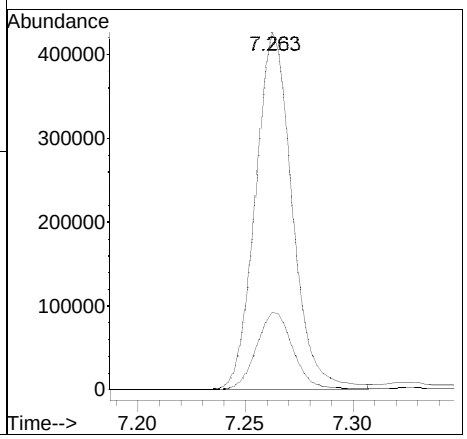


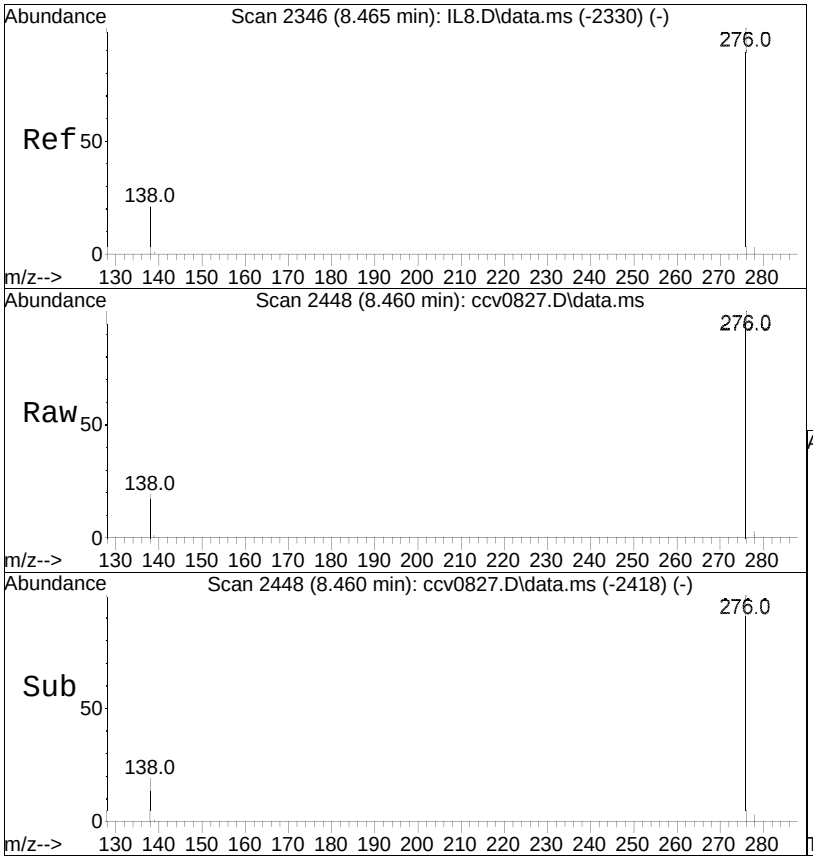


#39
Benzo[a]pyrene
Concen: 1044.51 ng/ml
RT: 7.263 min Scan# 2036
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:252 Resp: 500467

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

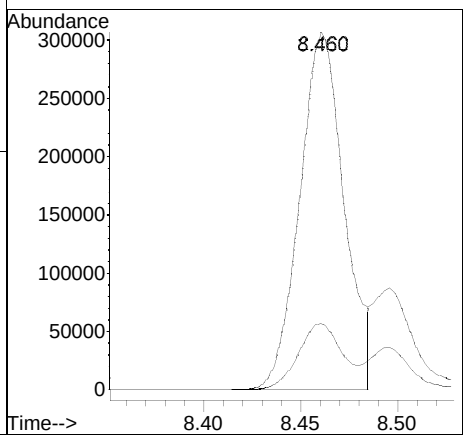


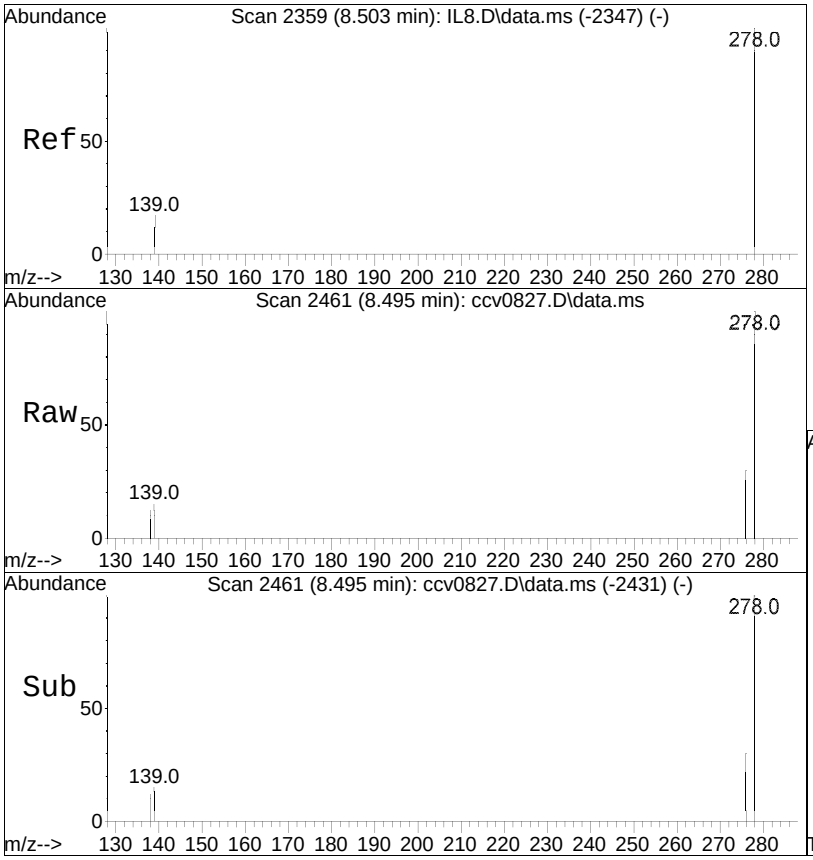


#40
Indeno[1,2,3-cd]pyrene
Concen: 1079.60 ng/ml
RT: 8.460 min Scan# 2448
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:276 Resp: 484713

Ion	Ratio	Lower	Upper
276	100		
138	18.3	17.2	25.8

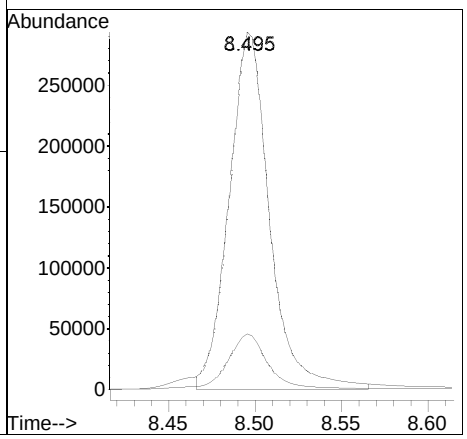


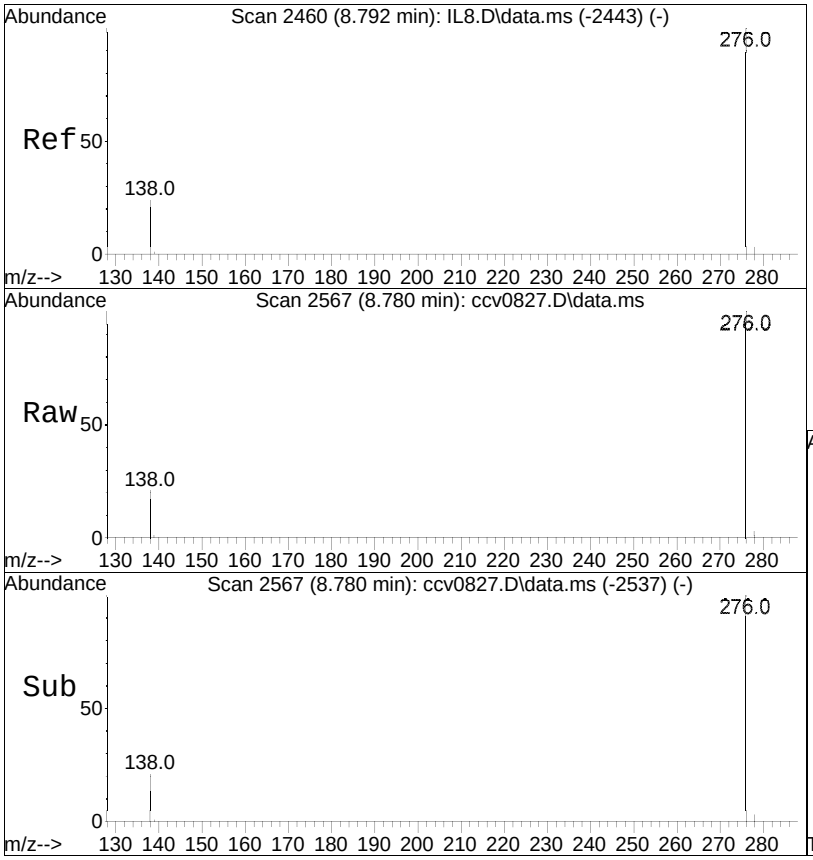


#41
Dibenzo[a,h]anthracene
Concen: 1129.80 ng/ml M6
RT: 8.495 min Scan# 2461
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:278 Resp: 476047

Ion	Ratio	Lower	Upper
278	100		
139	15.7	14.7	22.1

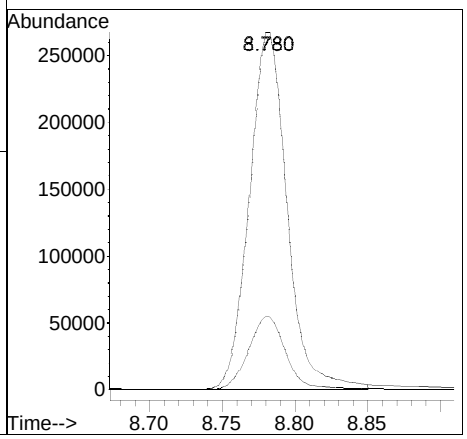




#42
Benzo[g,h,i]perylene
Concen: 1033.64 ng/ml
RT: 8.780 min Scan# 2567
Delta R.T. 0.000 min
Lab File: ccv0827.D
Acq: 27 Aug 2024 07:54 am

Tgt Ion:276 Resp: 474371

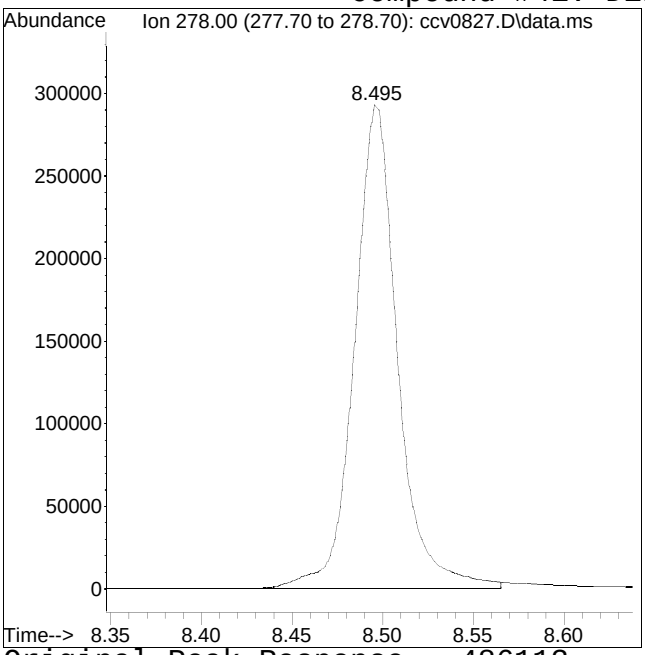
Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.0	28.4



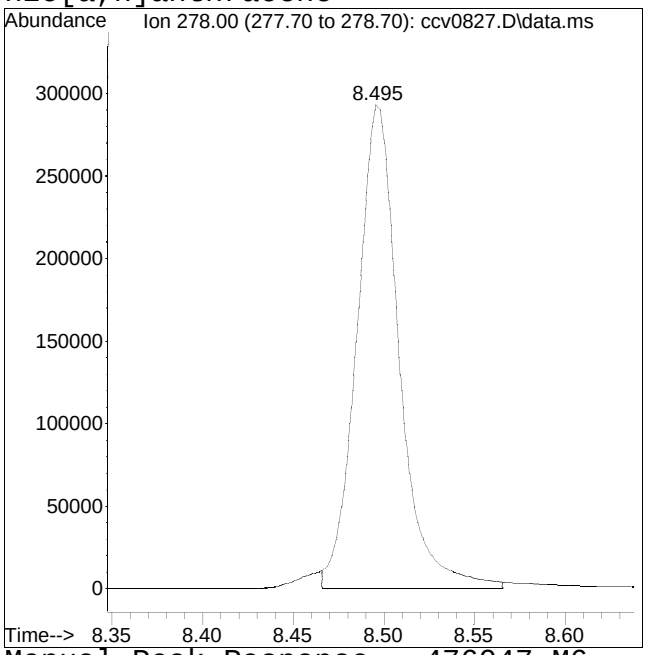
Manual Integration Report

Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : ccv0827.D
Date Inj'd : 8/27/2024 7:54 am
Sample : WG1964292-3,32,, ICV10884
Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:27 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 486113



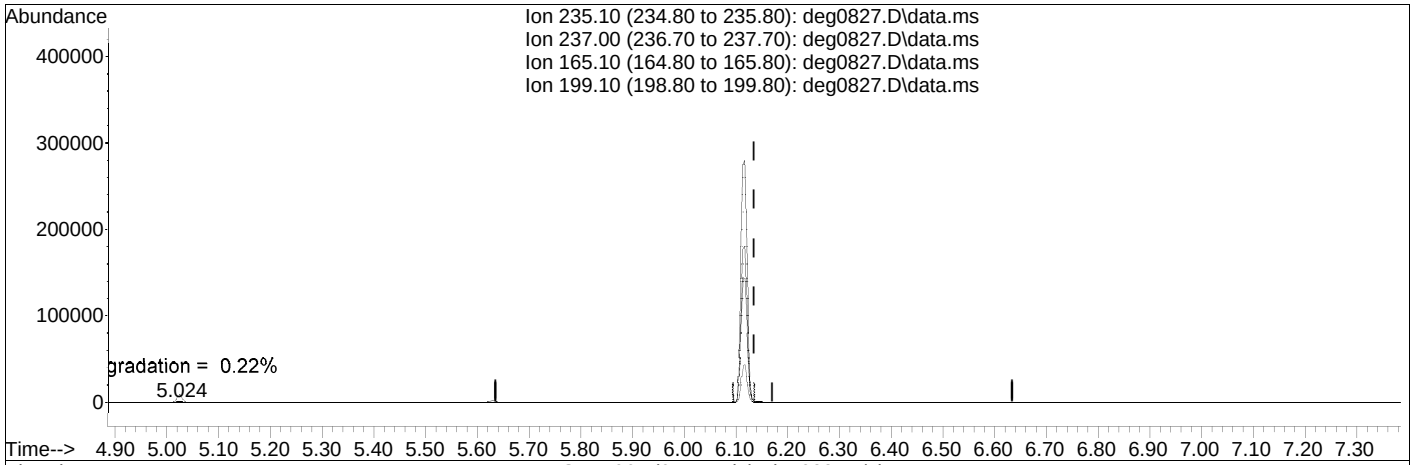
Manual Peak Response = 476047 M6

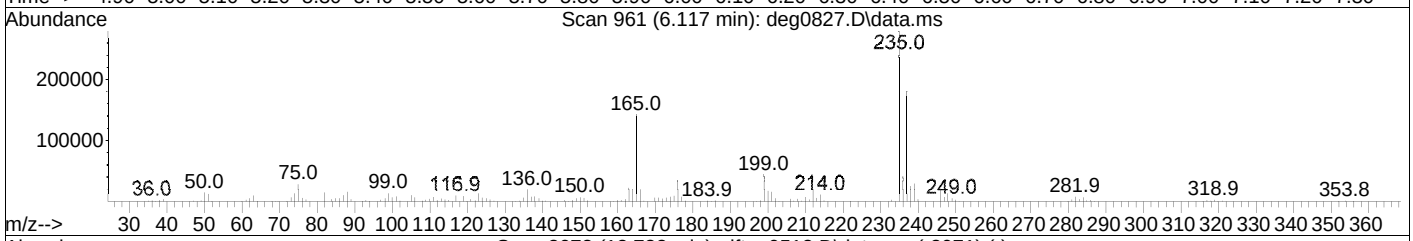
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

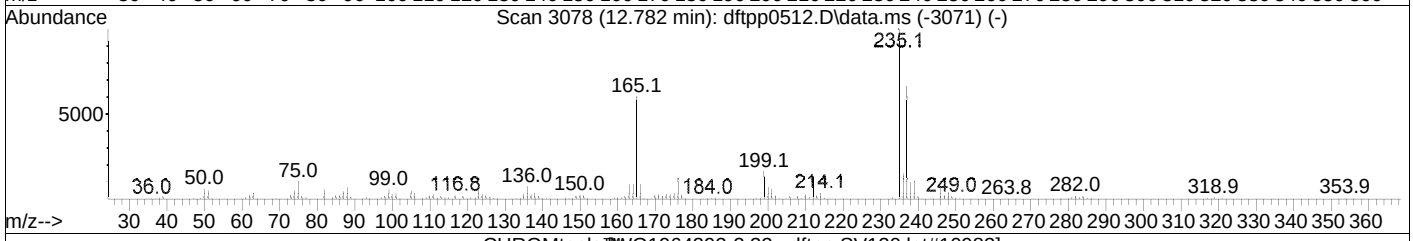
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : deg0827.D
Acq On : 27 Aug 2024 07:34 am
Operator : SV120:rp
Sample : WG1964292-2,32,, dftpp SV120 lot#10983
Misc : WG1964292,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 27 07:51:10 2024
Quant Method : I:\8270SIM\sv120\240827RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG1964292-2,32,, dftpp SV120 lot#10983]

(6) ddt (T)

6.117min (-0.018) 35.87

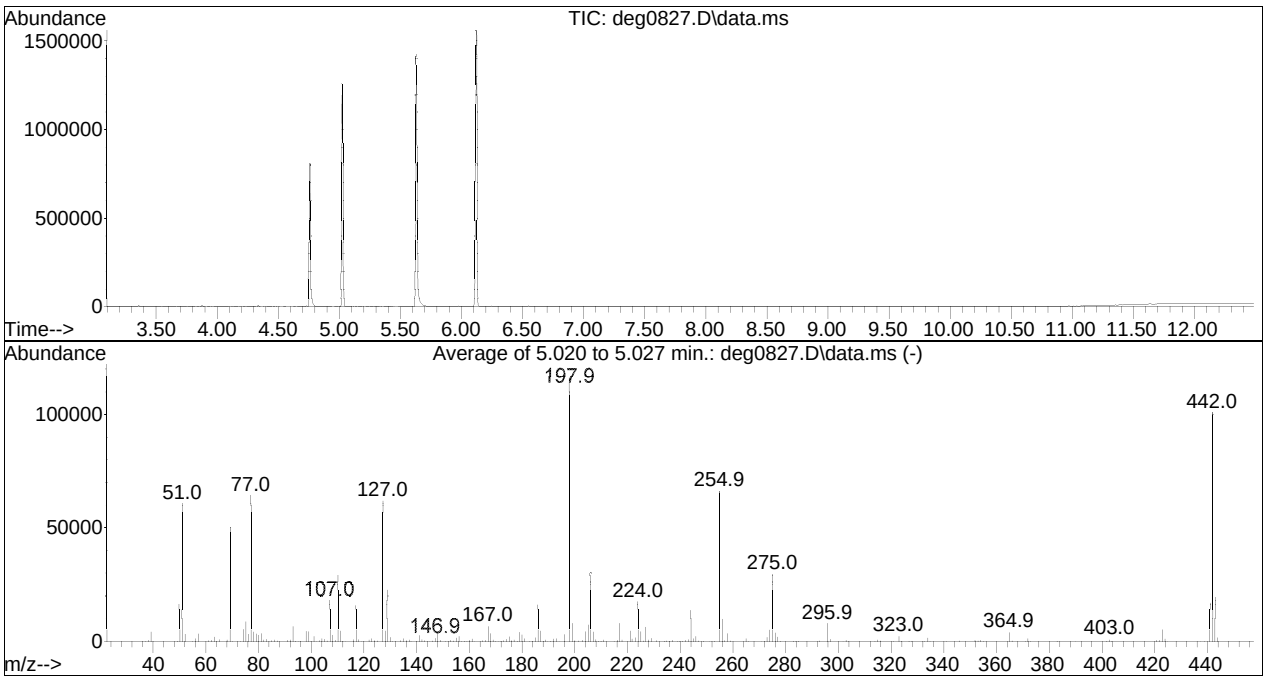
response 218648

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	64.88
165.10	53.30	52.76
199.10	17.10	15.52

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : deg0827.D
Acq On : 27 Aug 2024 07:34 am
Operator : SV120:rp
Sample : WG1964292-1,32,, dftpp SV120 lot#10983
Misc : WG1964292,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Aug 27 08:20:27 2024



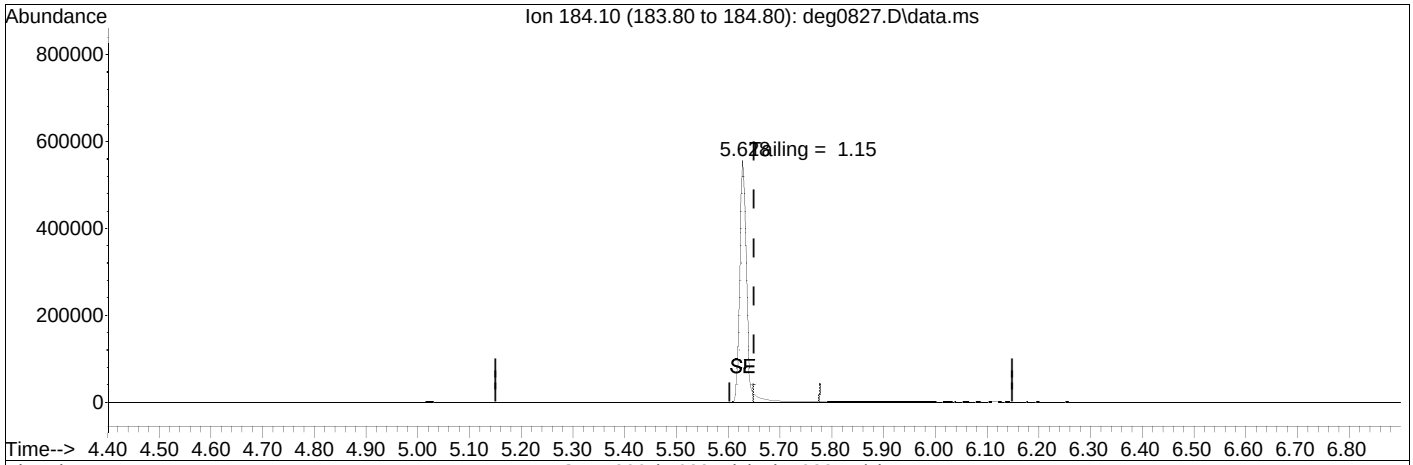
Spectrum Information: Average of 5.020 to 5.027 min.

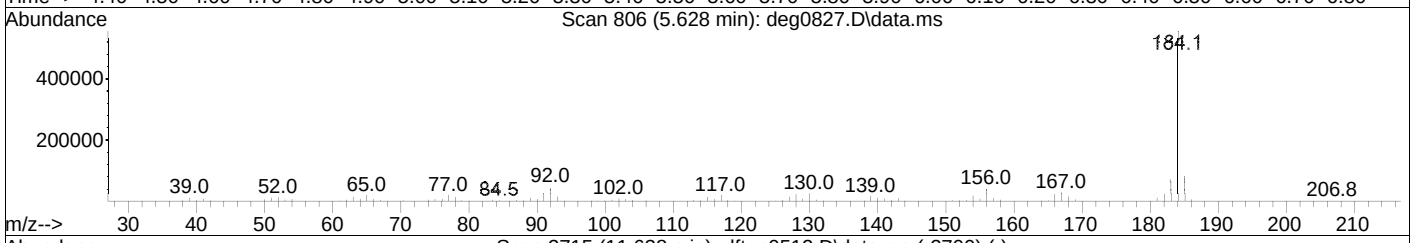
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.2	60637	PASS
68	69	0.00	2	1.9	952	PASS
69	69	100	100	100.0	50141	PASS
70	69	0.00	2	0.6	320	PASS
127	198	10	80	53.3	61925	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	116213	PASS
199	198	5	9	6.8	7944	PASS
275	198	10	60	25.5	29672	PASS
365	198	1	100	3.4	4007	PASS
441	442	0.01	24	16.6	16740	PASS
442	198	50	100	86.8	100907	PASS
443	442	15	24	19.3	19475	PASS

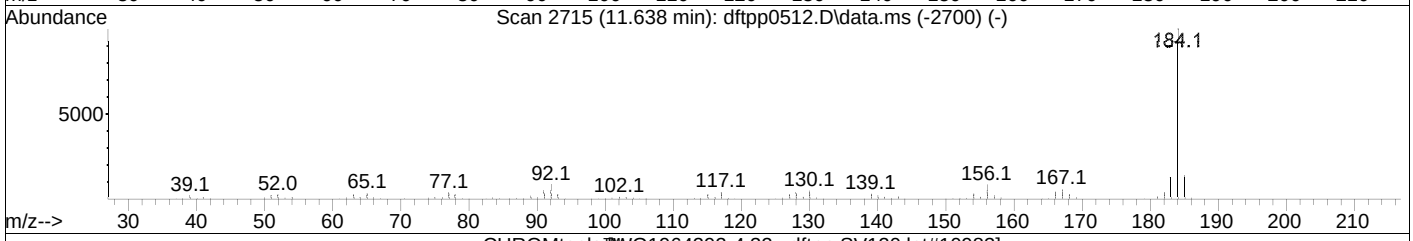
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : deg0827.D
Acq On : 27 Aug 2024 07:34 am
Operator : SV120:rp
Sample : WG1964292-4,32,, dftpp SV120 lot#10983
Misc : WG1964292,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 27 07:51:10 2024
Quant Method : I:\8270SIM\sv120\240827RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG1964292-4,32,, dftpp SV120 lot#10983]

(3) benzidine (T)

5.628min (-0.022) 47.19

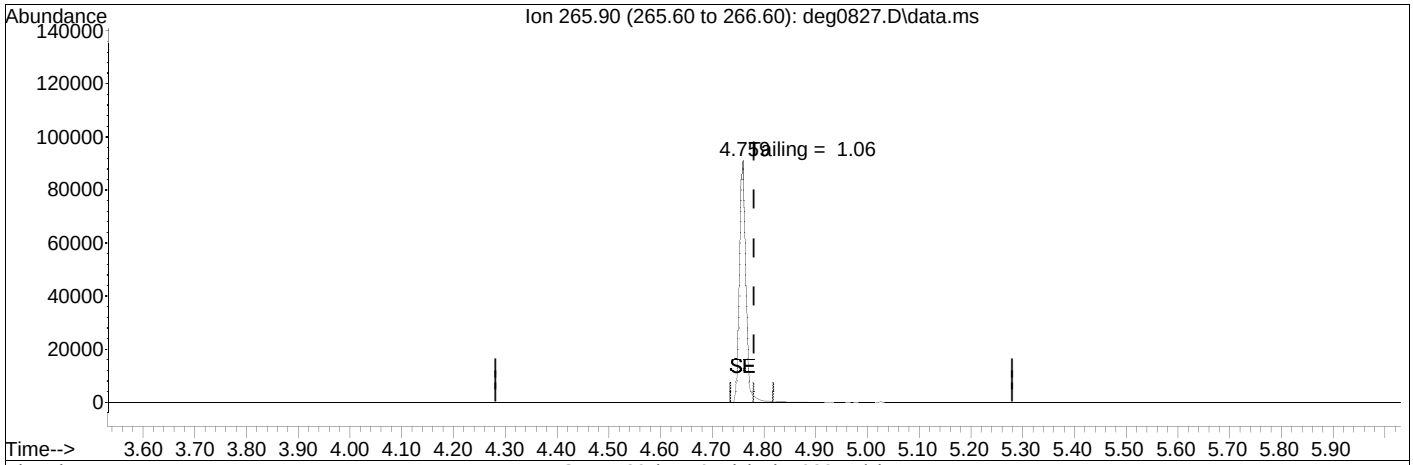
response 480443

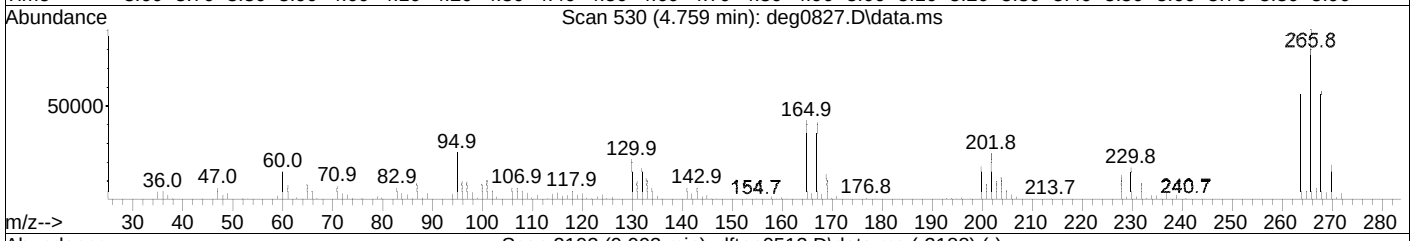
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

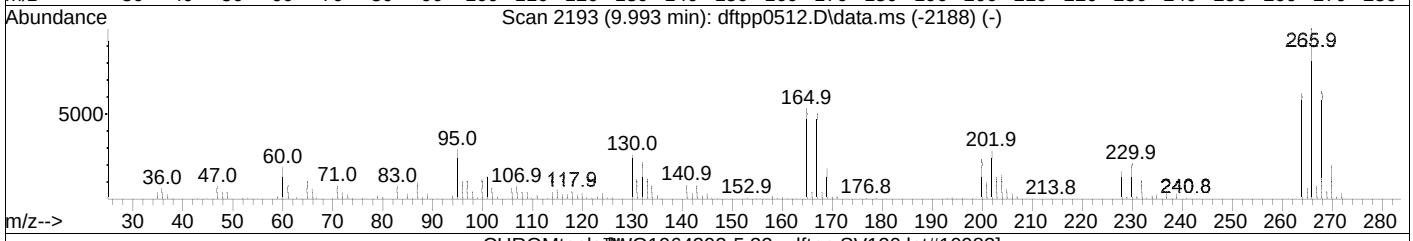
Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : deg0827.D
Acq On : 27 Aug 2024 07:34 am
Operator : SV120:rp
Sample : WG1964292-5,32,, dftpp SV120 lot#10983
Misc : WG1964292,,ical21368
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Aug 27 07:51:10 2024
Quant Method : I:\8270SIM\sv120\240827RVT\dftppsv120.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 15 16:17:30 2024
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D







CHROMtools [WG1964292-5,32,, dftpp SV120 lot#10983]

(1) pentachlorophenol (T)

4.759min (-0.022) 34.92

response 73340

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-1.D
Acq On : 25 Aug 2024 02:20 pm
Operator : sv119:jjw
Sample : WG1963468-1,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 27 10:23:26 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.301	152	229847	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 78.59%			
8) Naphthalene-d8	2.959	136	819363	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 80.37%			
17) Acenaphthene-d10	3.930	164	490318	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 86.48%			
22) Phenanthrene-d10	4.771	188	1020421	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 84.05%			
31) Chrysene-d12	6.401	240	1028180	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 92.26%			
36) Perylene-d12	7.660	264	977814	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 83.09%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.725	112	68142	840.434	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 42.02%			
3) Phenol-d6	2.116	99	64835	634.012	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.70%			
7) Nitrobenzene-d5	2.578	82	58902	656.649	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 65.66%			
13) 2-Fluorobiphenyl	3.549	172	145778	688.196	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.82%			
21) 2,4,6-Tribromophenol	4.374	330	57470	1678.695	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 83.93%			
30) 4-Terphenyl-d14	5.719	244	211629	750.219	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 37.51%			

Target Compounds			Qvalue
6) Hexachloroethane	0.000	0	N.D.
9) Naphthalene	0.000	0	N.D. d
10) Hexachlorobutadiene	0.000	0	N.D.
11) 2-Methylnaphthalene	0.000	0	N.D. d
14) 2-Chloronaphthalene	0.000	0	N.D. d
16) Acenaphthylene	0.000	0	N.D. d
18) Acenaphthene	0.000	0	N.D. d
20) Fluorene	0.000	0	N.D. d
24) Hexachlorobenzene	0.000	0	N.D. d
25) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-1.D
Acq On : 25 Aug 2024 02:20 pm
Operator : sv119:jjw
Sample : WG1963468-1,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 27 10:23:26 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	0.000		0	N.D.	d	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	0.000		0	N.D.	d	
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

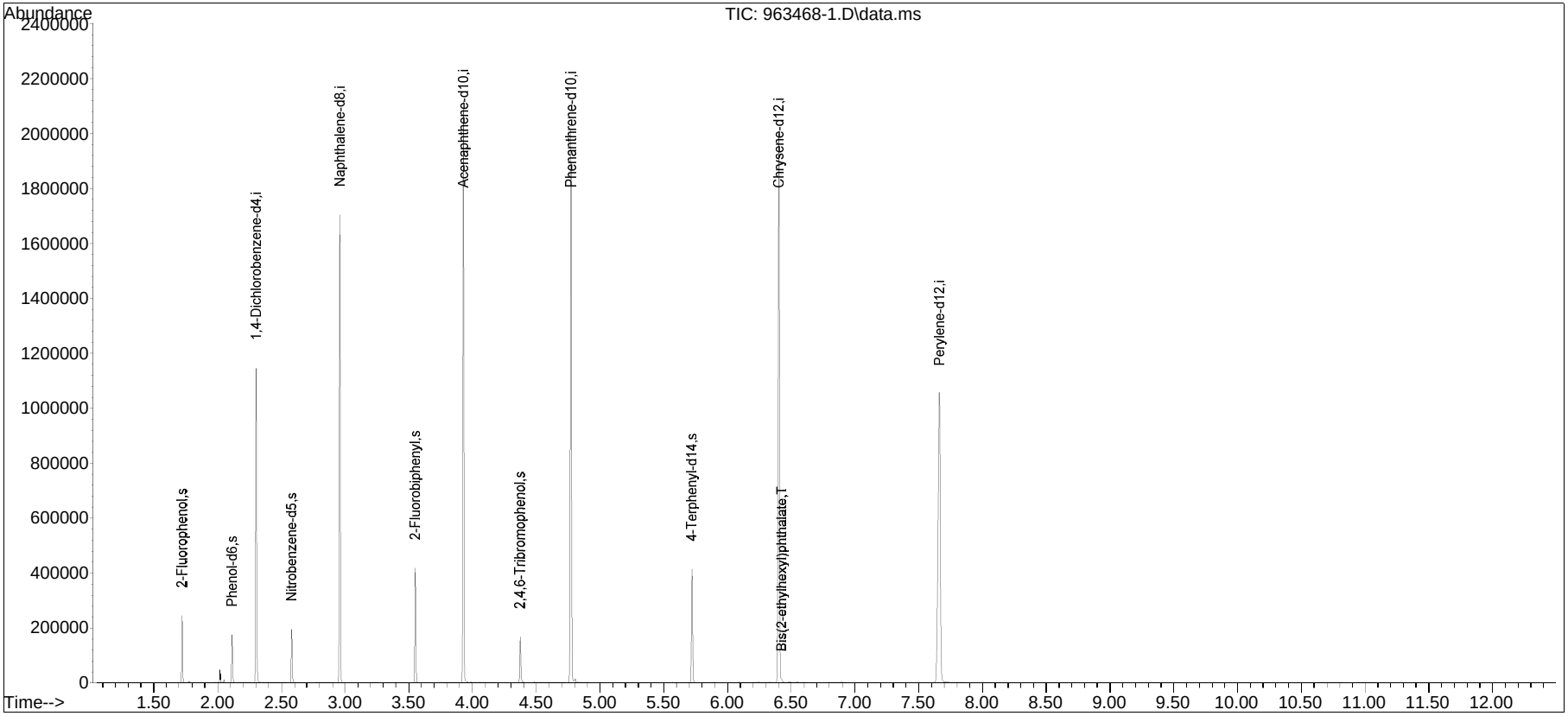
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-1.D
Acq On : 25 Aug 2024 02:20 pm
Operator : sv119:jjw
Sample : WG1963468-1,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 27 10:23:26 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\240825RVTQ	Method	: SIM-RVT_240621_sv119.M
Data File	: 963468-1.D	Operator	: sv119:jjw
Date Inj'd	: 8/25/2024 2:20 pm	Instrument	: SV119
Sample	: WG1963468-1,32,,jjw	Quant Date	: 8/25/2024 2:33 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-1.D
Acq On : 27 Aug 2024 08:48 am
Operator : SV120:rp
Sample : WG1964121-1,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:45:09 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	2.163	152	320759	4000.000 ng/ml	0.00
Standard Area 1 = 454641			Recovery	= 70.55%	
8) Naphthalene-d8	2.823	136	1240216	4000.000 ng/ml	0.00
Standard Area 1 = 1780821			Recovery	= 69.64%	
17) Acenaphthene-d10	3.797	164	746487	4000.000 ng/ml	0.00
Standard Area 1 = 1044720			Recovery	= 71.45%	
22) Phenanthrene-d10	4.635	188	1480906	4000.000 ng/ml	0.00
Standard Area 1 = 2173941			Recovery	= 68.12%	
31) Chrysene-d12	6.237	240	1306327	4000.000 ng/ml	0.04
Standard Area 1 = 1787578			Recovery	= 73.08%	
36) Perylene-d12	7.365	264	1204446	4000.000 ng/ml	0.04
Standard Area 1 = 1774909			Recovery	= 67.86%	
System Monitoring Compounds					
2) 2-Fluorophenol	1.588	112	96242	1010.145 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 50.51%	
3) Phenol-d6	1.981	99	81170	700.368 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 35.02%	
7) Nitrobenzene-d5	2.444	82	87643	929.157 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 92.92%	
13) 2-Fluorobiphenyl	3.420	172	235137	879.802 ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 87.98%	
21) 2,4,6-Tribromophenol	4.242	330	56279	1369.402 ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 68.47%	
30) 4-Terphenyl-d14	5.576	244	290066	935.274 ng/ml	0.02
Spiked Amount 2000.000	Range 30 - 130		Recovery	= 46.76%	
Target Compounds					Qvalue
6) Hexachloroethane	0.000		0	N.D. d	
9) Naphthalene	2.836	128	2195M4	6.163 ng/ml	
10) Hexachlorobutadiene	0.000		0	N.D. d	
11) 2-Methylnaphthalene	3.215	142	1053	4.658 ng/ml	84
14) 2-Chloronaphthalene	0.000		0	N.D. d	
16) Acenaphthylene	0.000		0	N.D. d	
18) Acenaphthene	3.814	153	825M6	3.065 ng/ml	
20) Fluorene	0.000		0	N.D. d	
24) Hexachlorobenzene	4.421	284	121M2	1.165 ng/ml	
25) Pentachlorophenol	4.535	266	534	49.977 ng/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-1.D
Acq On : 27 Aug 2024 08:48 am
Operator : SV120:rp
Sample : WG1964121-1,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:45:09 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.646	178	2826M1	6.426	ng/ml	
27) Anthracene	0.000		0	N.D.	d	
28) Fluoranthene	5.340	202	1641	3.454	ng/ml	98
29) Pyrene	0.000		0	N.D.	d	
32) Benzo[a]anthracene	0.000		0	N.D.	d	
34) Chrysene	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	0.000		0	N.D.	d	
38) Benzo[k]fluoranthene	0.000		0	N.D.	d	
39) Benzo[a]pyrene	0.000		0	N.D.	d	
40) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
41) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
42) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

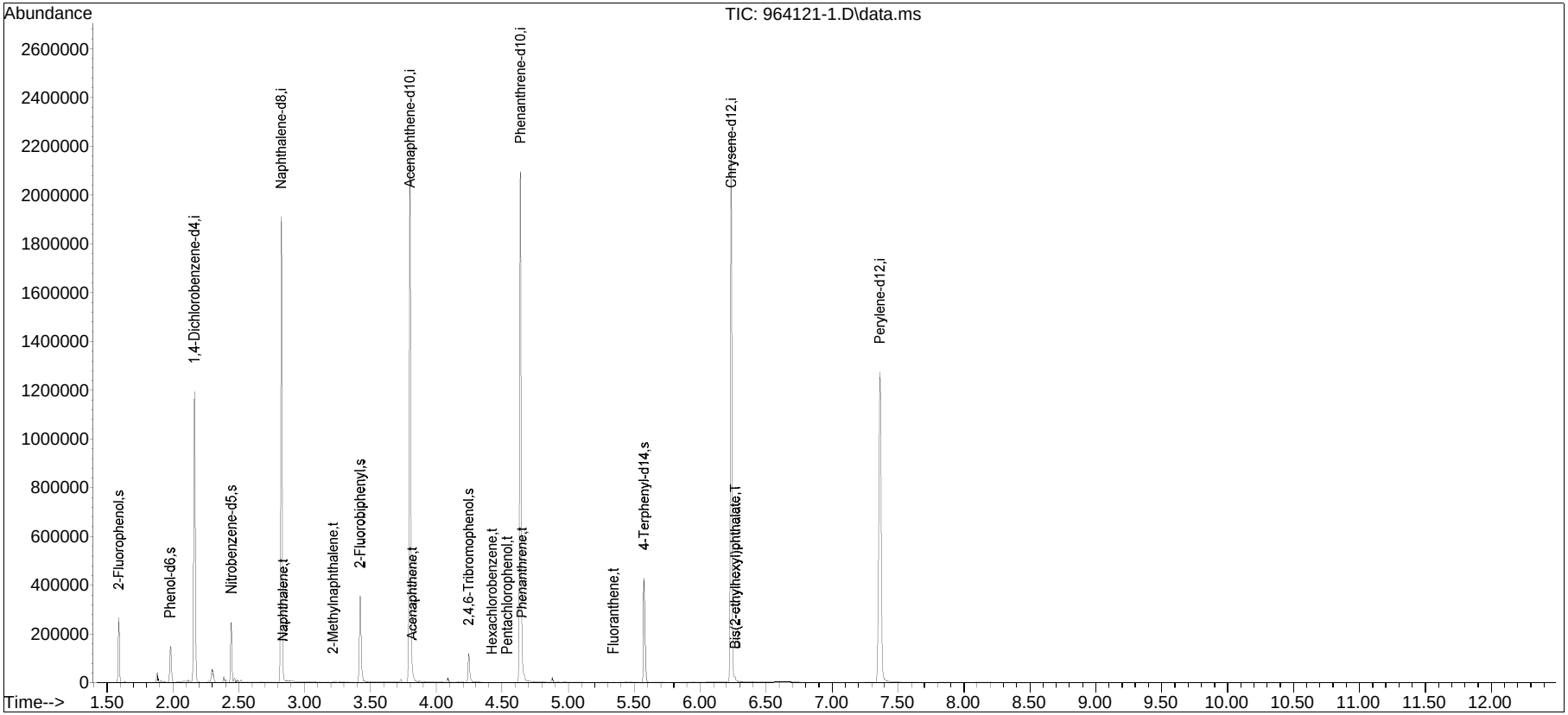
(#) = qualifier out of range (m) = manual integration (+) = signals summed

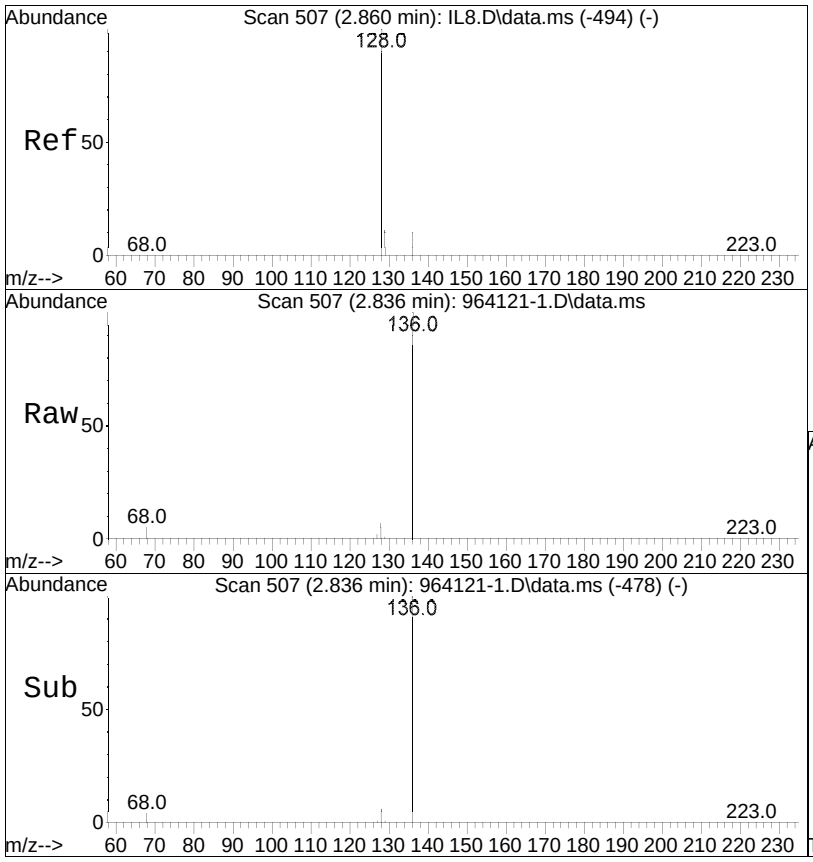
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-1.D
Acq On : 27 Aug 2024 08:48 am
Operator : SV120:rp
Sample : WG1964121-1,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 27 12:45:09 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0827.D•

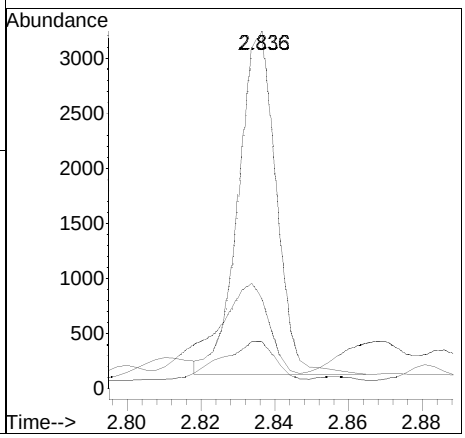


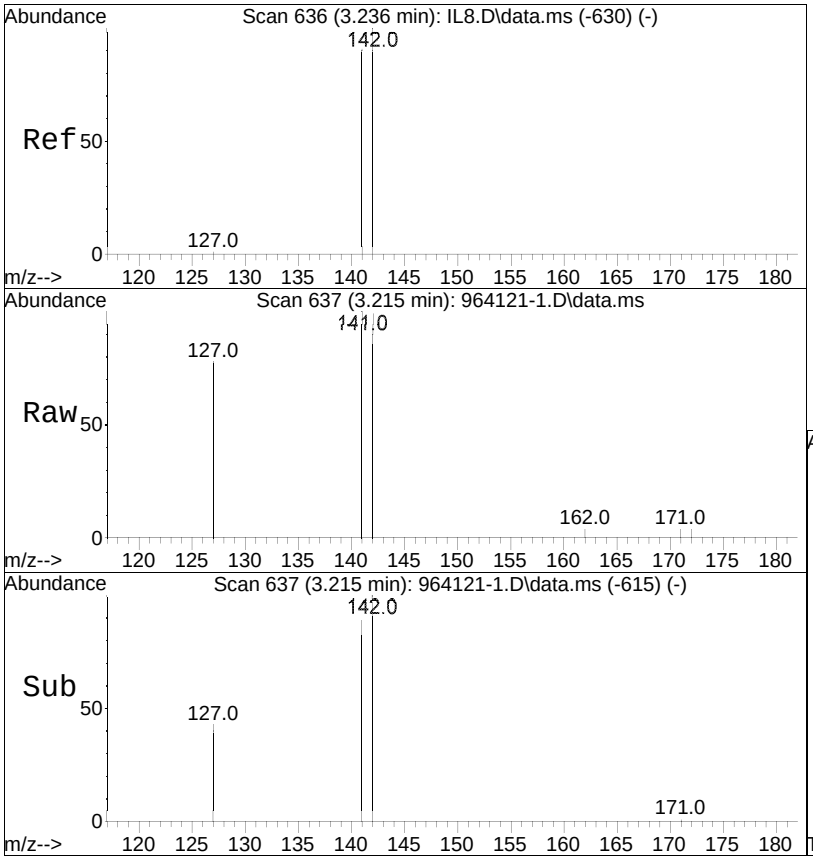


#9
Naphthalene
Concen: 6.16 ng/ml M4
RT: 2.836 min Scan# 507
Delta R.T. -0.005 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:128 Resp: 2195

Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.9	13.3
127	27.2	0.0	0.0#

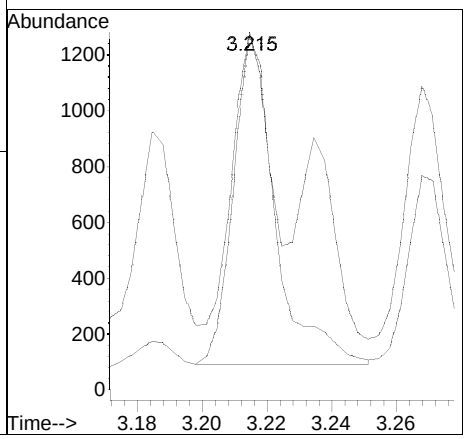


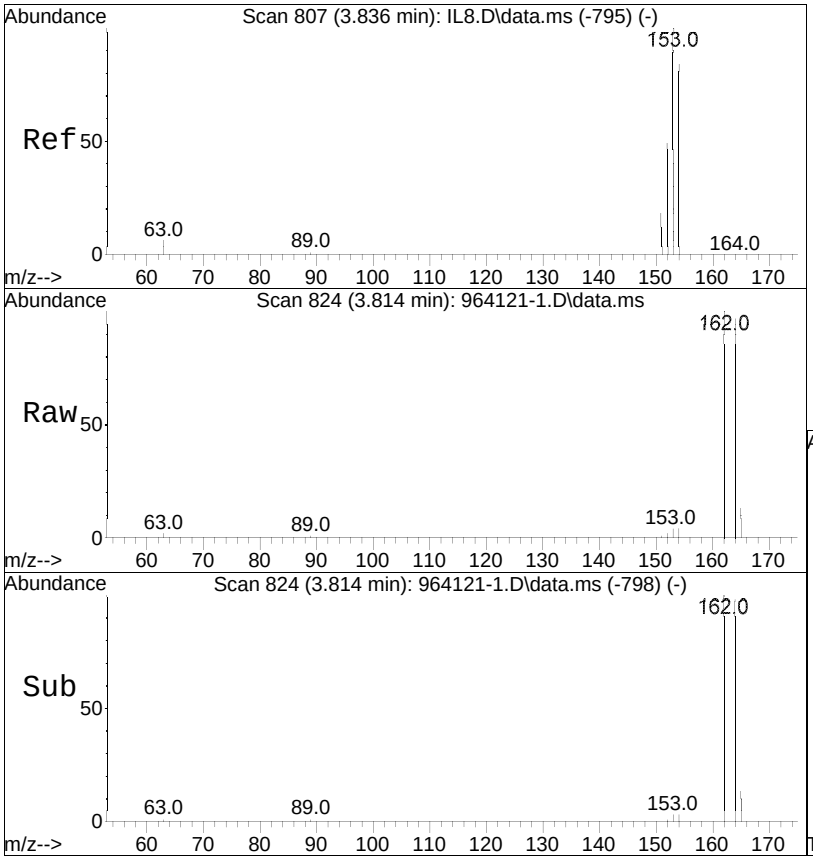


#11
2-Methylnaphthalene
Concen: 4.66 ng/ml
RT: 3.215 min Scan# 637
Delta R.T. -0.006 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:142 Resp: 1053

Ion	Ratio	Lower	Upper
142	100		
141	76.0	73.0	109.4

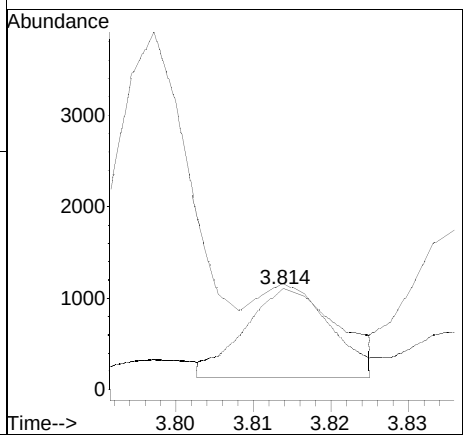


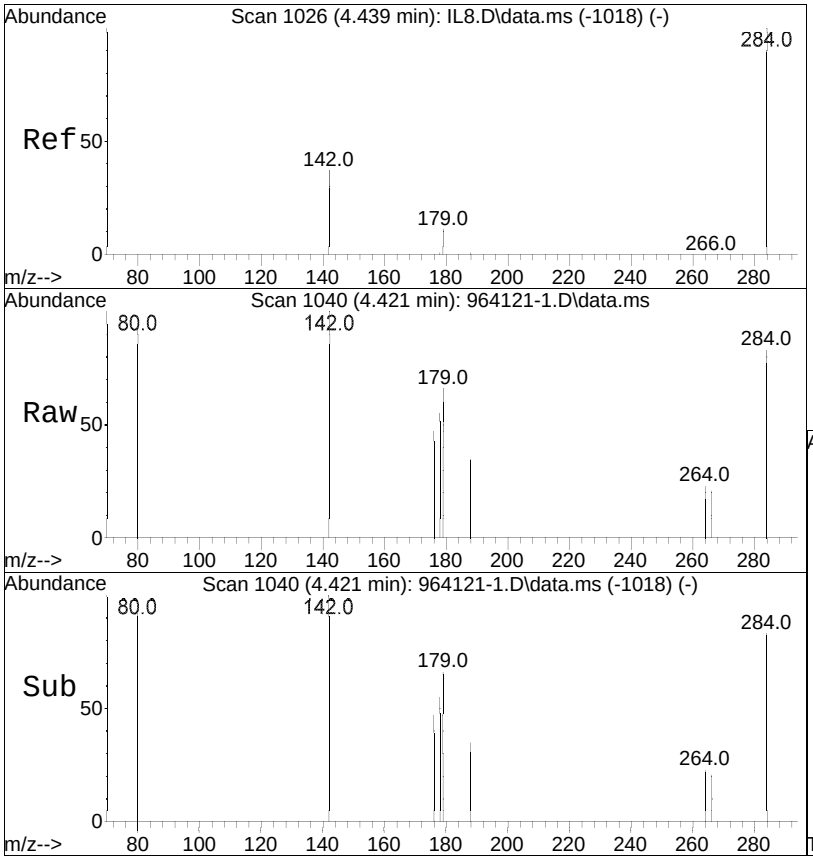


#18
Acenaphthene
Concen: 3.06 ng/ml M6
RT: 3.814 min Scan# 824
Delta R.T. -0.007 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:153 Resp: 825

Ion	Ratio	Lower	Upper
153	100		
154	73.8	72.3	108.5

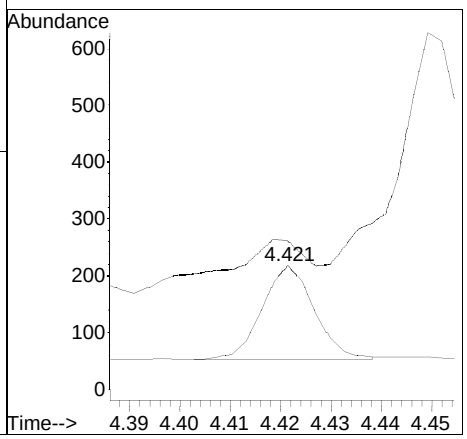


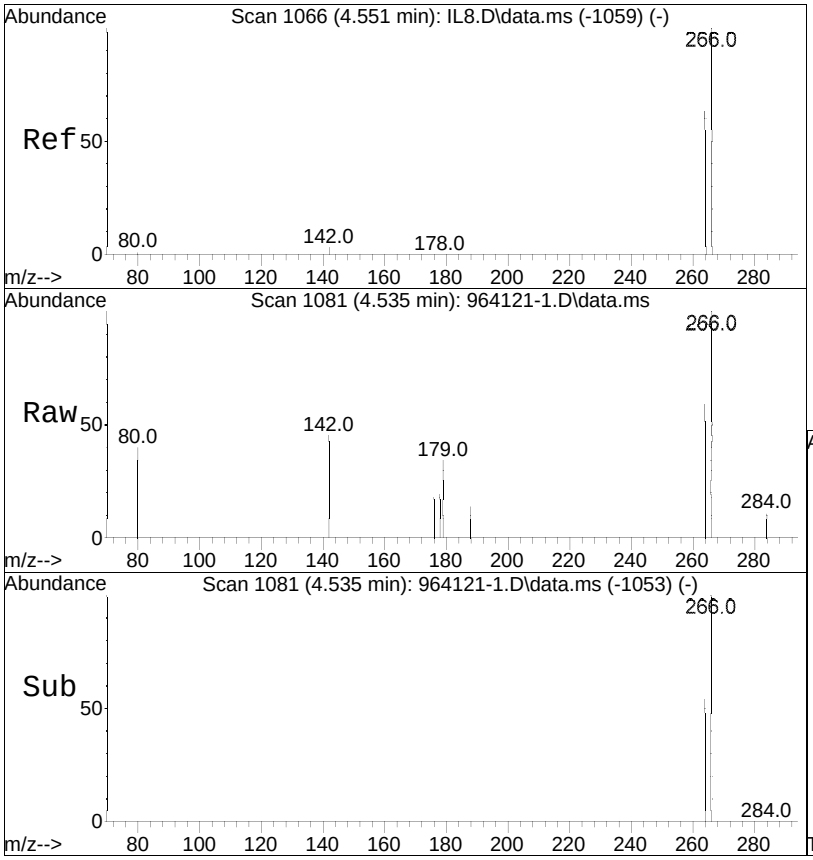


#24
Hexachlorobenzene
Concen: 1.17 ng/ml M2
RT: 4.421 min Scan# 1040
Delta R.T. -0.004 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:284 Resp: 121

Ion	Ratio	Lower	Upper
284	100		
142	27.3	29.4	44.2#

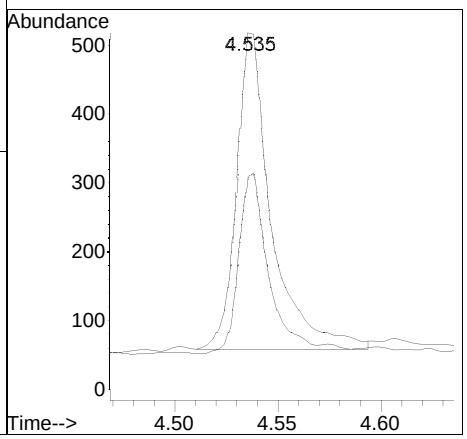


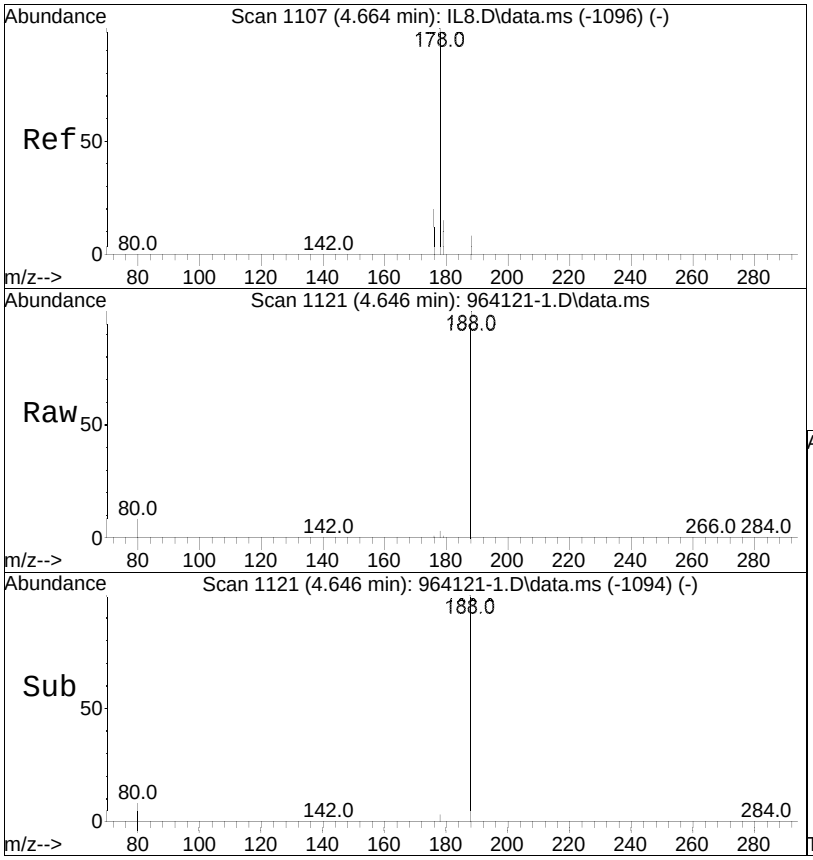


#25
Pentachlorophenol
Concen: 49.98 ng/ml
RT: 4.535 min Scan# 1081
Delta R.T. -0.002 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:266 Resp: 534

Ion	Ratio	Lower	Upper
266	100		
264	48.5	50.2	75.4#

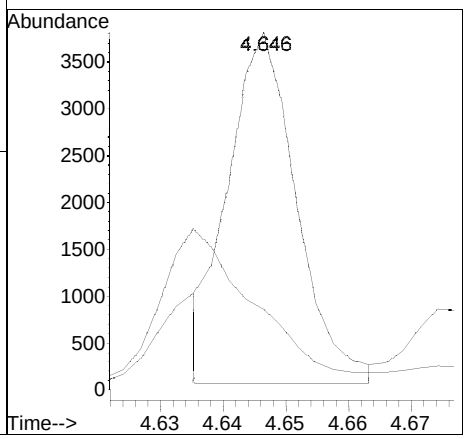


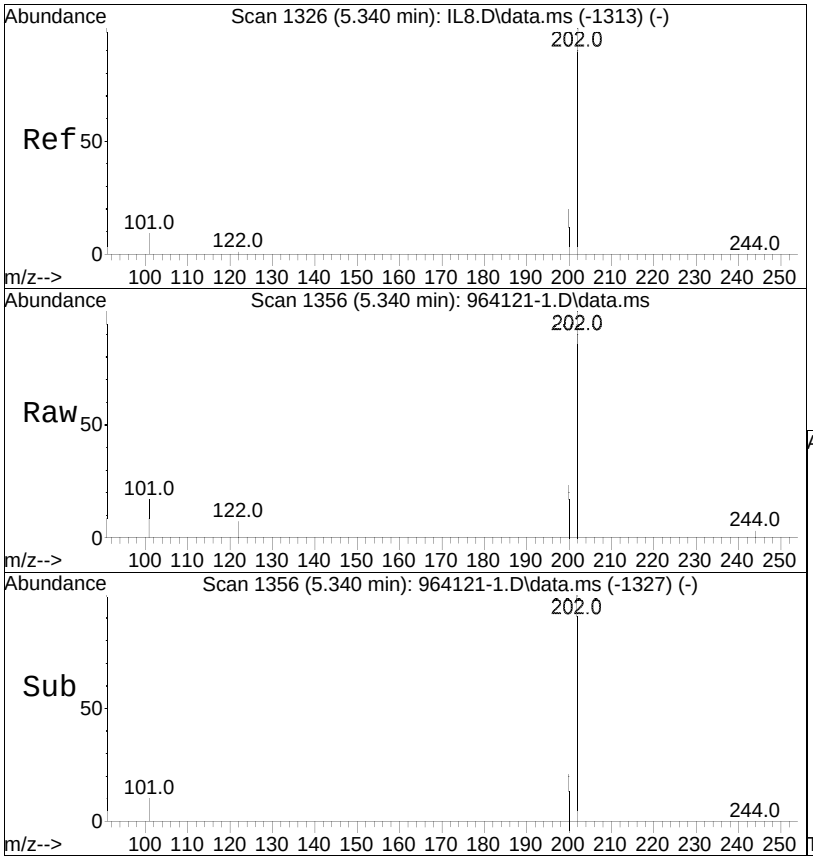


#26
Phenanthrene
Concen: 6.43 ng/ml M1
RT: 4.646 min Scan# 1121
Delta R.T. -0.004 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:178 Resp: 2826

Ion	Ratio	Lower	Upper
178	100		
179	13.2	12.4	18.6

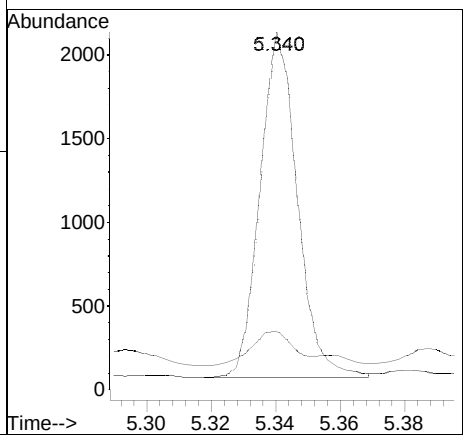




#28
Fluoranthene
Concen: 3.45 ng/ml
RT: 5.340 min Scan# 1356
Delta R.T. 0.011 min
Lab File: 964121-1.D
Acq: 27 Aug 2024 08:48 am

Tgt Ion:202 Resp: 1641

Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.7	13.1

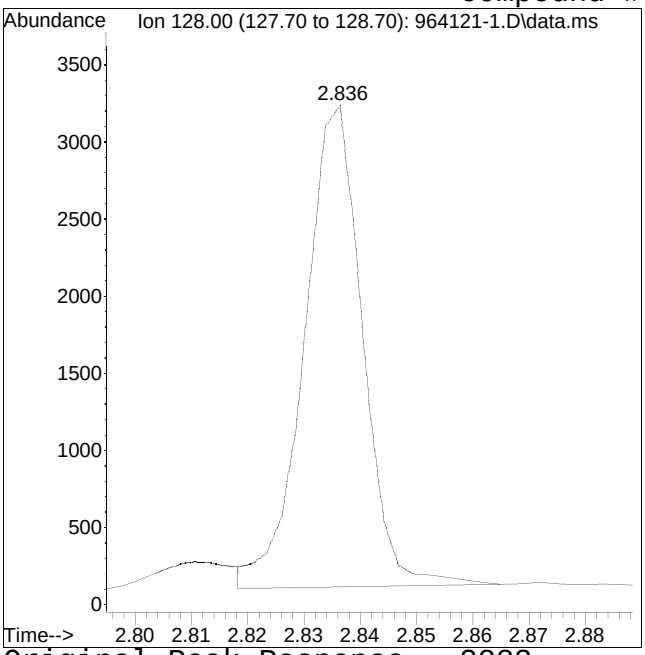


Manual Integration Report

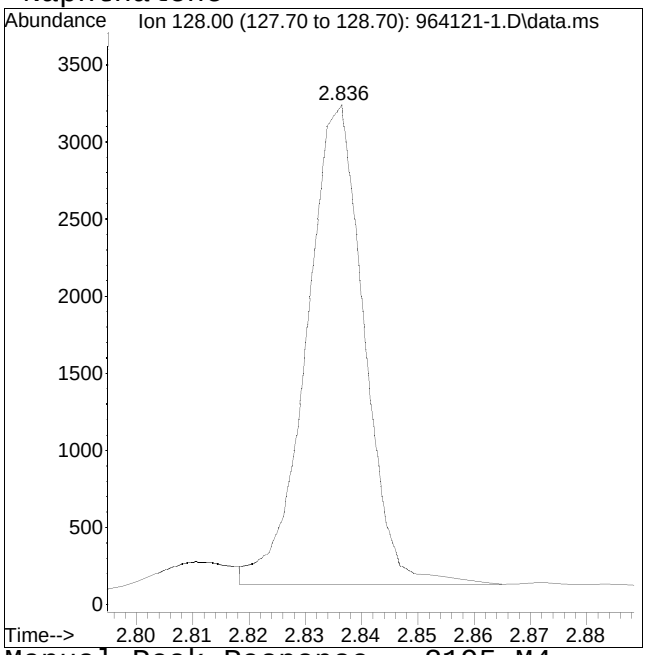
Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : 964121-1.D
Date Inj'd : 8/27/2024 8:48 am
Sample : WG1964121-1,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:29 pm

Compound #9: Naphthalene



Original Peak Response = 2233



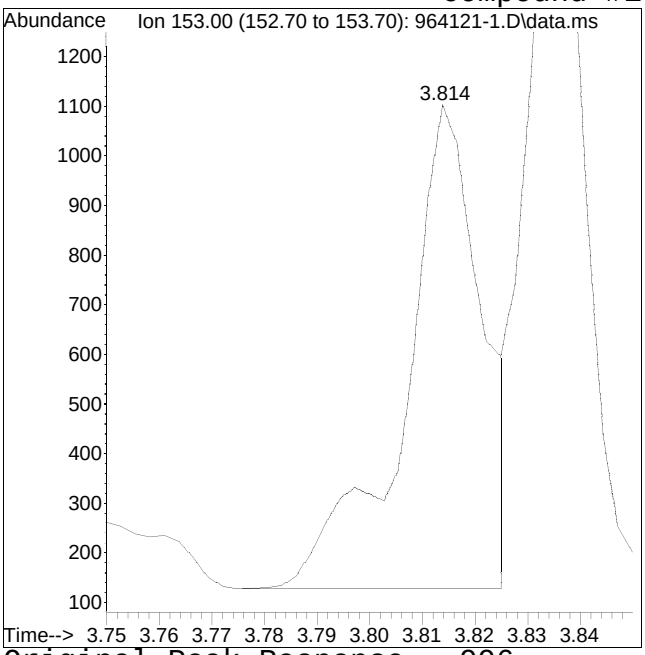
Manual Peak Response = 2195 M4

M4 = Poor automated baseline construction.

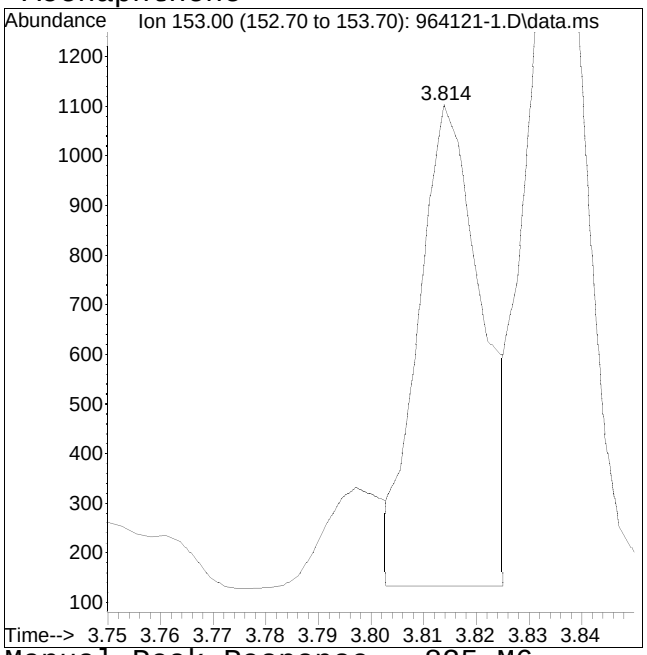
Manual Integration Report

Data Path : I:\8270SIM\sv120\240827RVTQMethod : SIM-RVT_240728_sv120.M
Data File : 964121-1.D Operator : SV120:rp
Date Inj'd : 8/27/2024 8:48 am Instrument : SV120
Sample : WG1964121-1,32,,kmh Quant Date : 8/27/2024 12:29 pm

Compound #18: Acenaphthene



Original Peak Response = 996



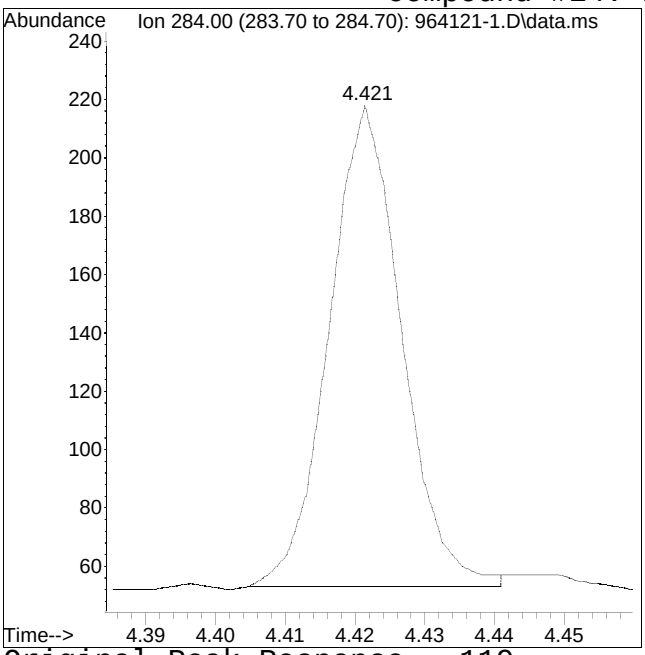
Manual Peak Response = 825 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

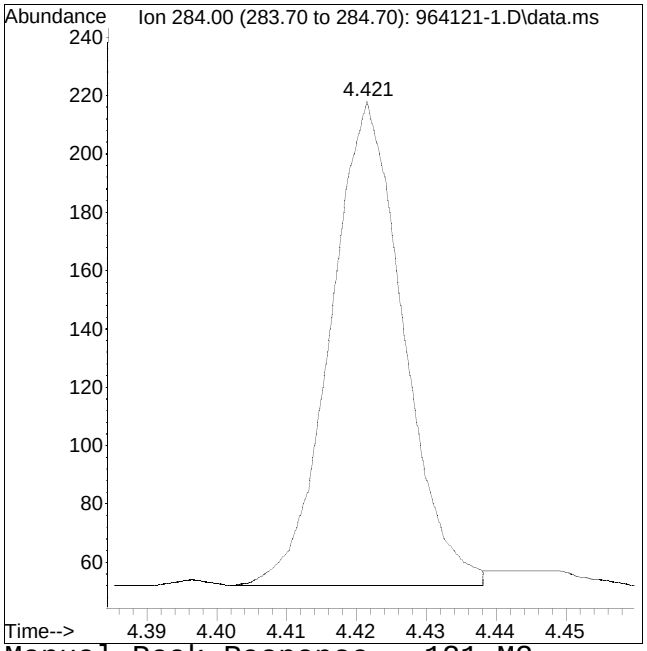
Manual Integration Report

Data Path : I:\8270SIM\sv120\240827RVTQMethod : SIM-RVT_240728_sv120.M
Data File : 964121-1.D Operator : SV120:rp
Date Inj'd : 8/27/2024 8:48 am Instrument : SV120
Sample : WG1964121-1,32,,kmh Quant Date : 8/27/2024 12:29 pm

Compound #24: Hexachlorobenzene



Original Peak Response = 119



Manual Peak Response = 121 M2

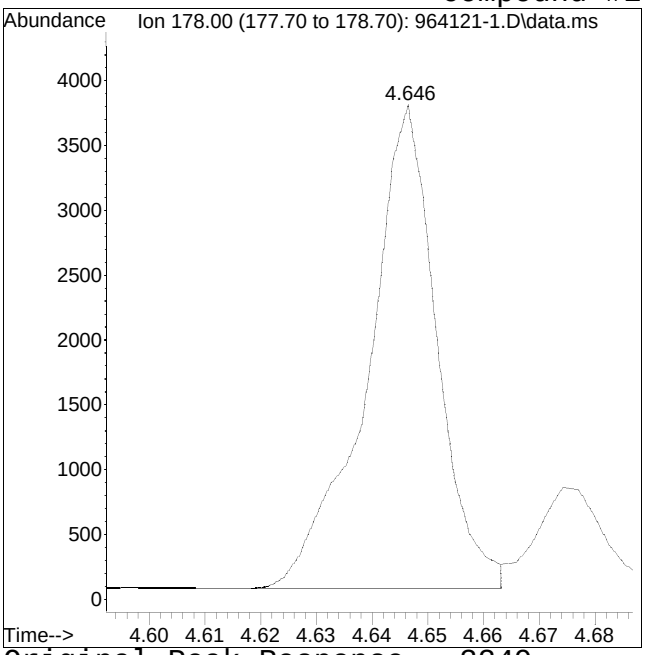
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

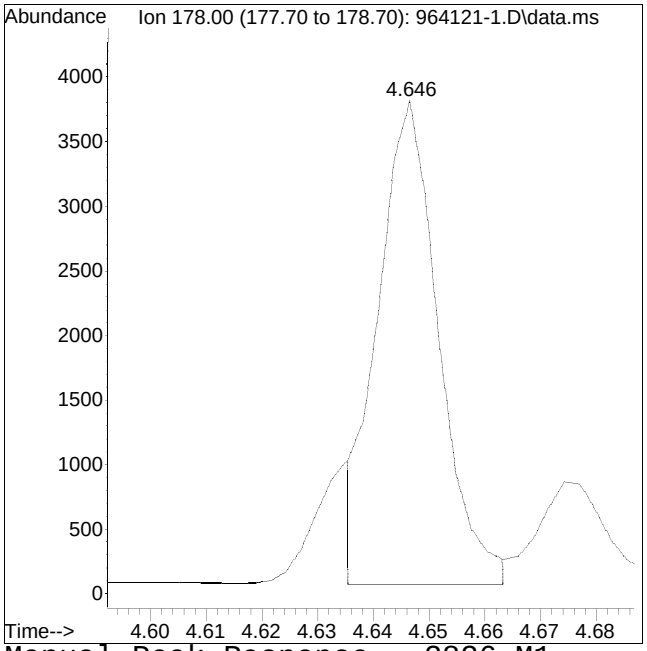
Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : 964121-1.D
Date Inj'd : 8/27/2024 8:48 am
Sample : WG1964121-1,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:29 pm

Compound #26: Phenanthrene



Original Peak Response = 3249



Manual Peak Response = 2826 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-2.D
Acq On : 25 Aug 2024 01:47 pm
Operator : sv119:jjw
Sample : WG1963468-2,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 10:24:34 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.302	152	220751	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 75.48%			
8) Naphthalene-d8	2.959	136	825911	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 81.02%			
17) Acenaphthene-d10	3.931	164	466909	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 82.35%			
22) Phenanthrene-d10	4.772	188	988169	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 81.39%			
31) Chrysene-d12	6.399	240	908985	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 81.57%			
36) Perylene-d12	7.656	264	960850	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 81.65%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.731	112	75244	966.267	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.31%			
3) Phenol-d6	2.118	99	72942	742.680	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.13%			
7) Nitrobenzene-d5	2.579	82	57338	665.552	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.56%			
13) 2-Fluorobiphenyl	3.551	172	153648	719.598	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.96%			
21) 2,4,6-Tribromophenol	4.376	330	59950	1838.931	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 91.95%			
30) 4-Terphenyl-d14	5.717	244	201431	737.373	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 36.87%			
Target Compounds						Qvalue
6) Hexachloroethane	2.558	117	36533	997.492	ng/ml	91
9) Naphthalene	2.970	128	279322	1224.983	ng/ml	100
10) Hexachlorobutadiene	3.041	225	55536	1085.061	ng/ml	100
11) 2-Methylnaphthalene	3.348	142	210570	1228.786	ng/ml	99
14) 2-Chloronaphthalene	3.616	162	236809	1282.643	ng/ml	100
16) Acenaphthylene	3.849	152	370529	1256.170	ng/ml	100
18) Acenaphthene	3.948	153	231419	1419.935	ng/ml	98
20) Fluorene	4.238	166	296025	1378.066	ng/ml	99
24) Hexachlorobenzene	4.557	284	116436	1716.064	ng/ml	93
25) Pentachlorophenol	4.667	266	85185	1924.233	ng/ml	99

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-2.D
Acq On : 25 Aug 2024 01:47 pm
Operator : sv119:jjw
Sample : WG1963468-2,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 10:24:34 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.784	178	440445	1533.173	ng/ml	99
27) Anthracene	4.813	178	463489	1561.546	ng/ml	99
28) Fluoranthene	5.483	202	573626	1454.197	ng/ml	98
29) Pyrene	5.621	202	583326	1427.058	ng/ml	99
32) Benzo[a]anthracene	6.390	228	545980	1592.225	ng/ml	100
34) Chrysene	6.415	228	508157	1502.059	ng/ml	99
37) Benzo[b]fluoranthene	7.268	252	556692	1398.856	ng/ml	100
38) Benzo[k]fluoranthene	7.292	252	522186	1420.315	ng/ml	100
39) Benzo[a]pyrene	7.589	252	491423	1394.250	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.909	276	618254	1735.195	ng/ml	99
41) Dibenzo[a,h]anthracene	8.942	278	526848M6	1659.935	ng/ml	
42) Benzo[g,h,i]perylene	9.257	276	582892	1663.201	ng/ml	98

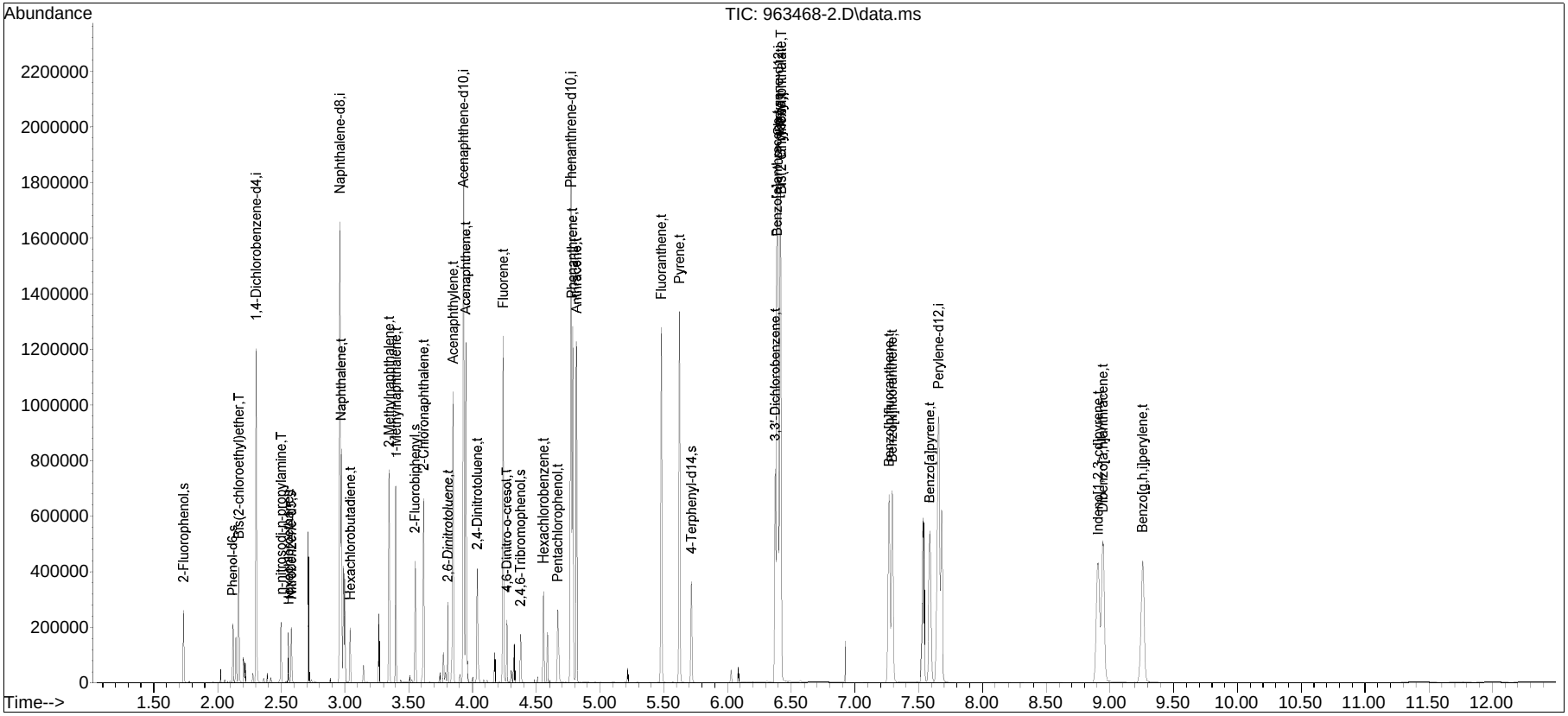
(#) = qualifier out of range (m) = manual integration (+) = signals summed

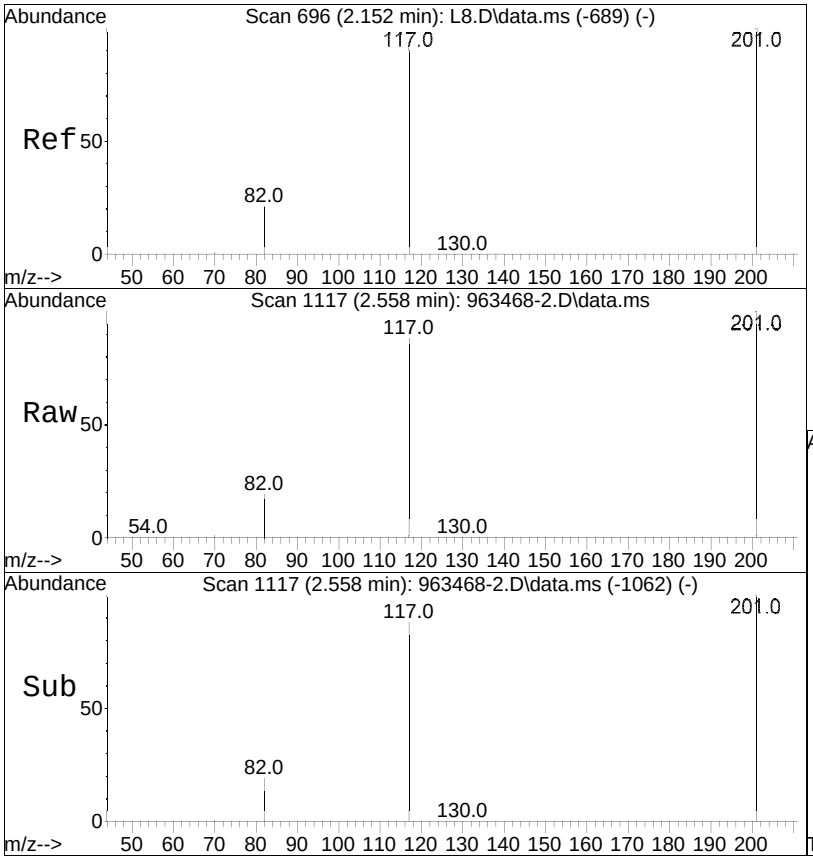
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-2.D
Acq On : 25 Aug 2024 01:47 pm
Operator : sv119:jjw
Sample : WG1963468-2,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 27 10:24:34 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

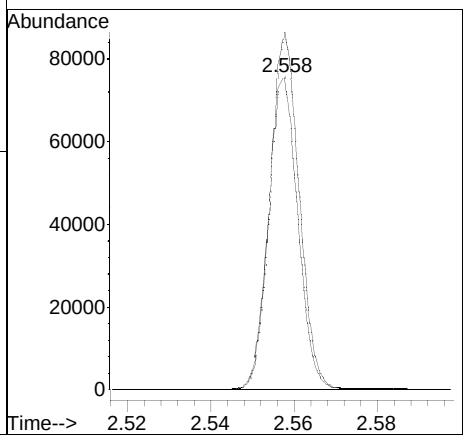


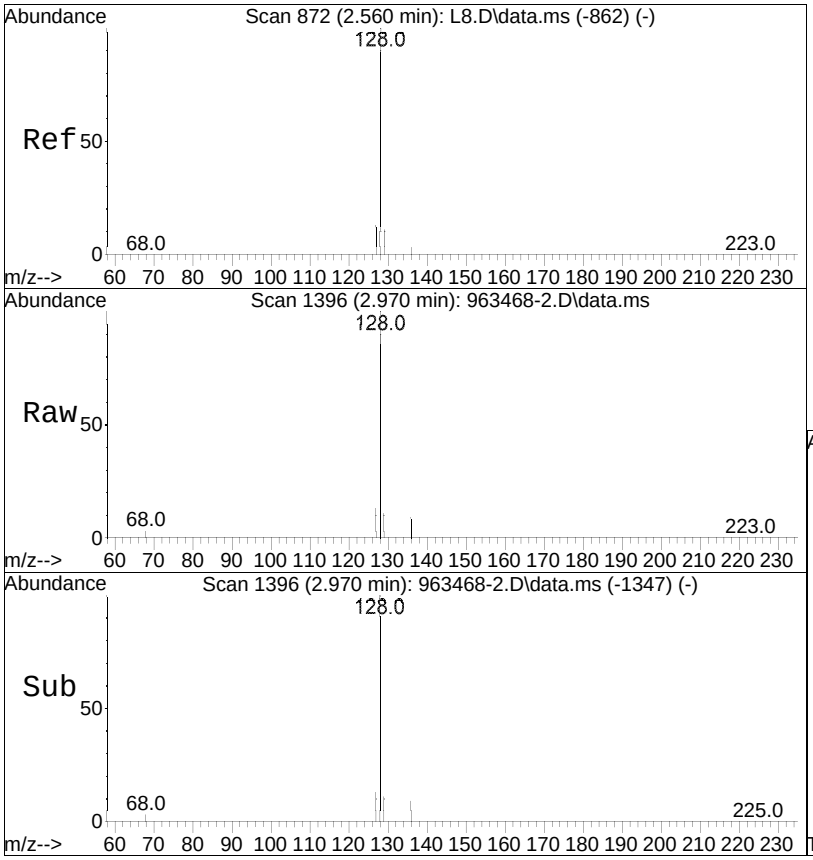


#6
Hexachloroethane
Concen: 997.49 ng/ml
RT: 2.558 min Scan# 1117
Delta R.T. -0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:117 Resp: 36533

Ion	Ratio	Lower	Upper
117	100		
201	112.9	83.0	124.6

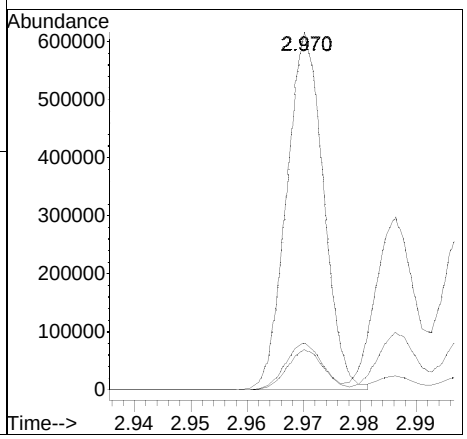


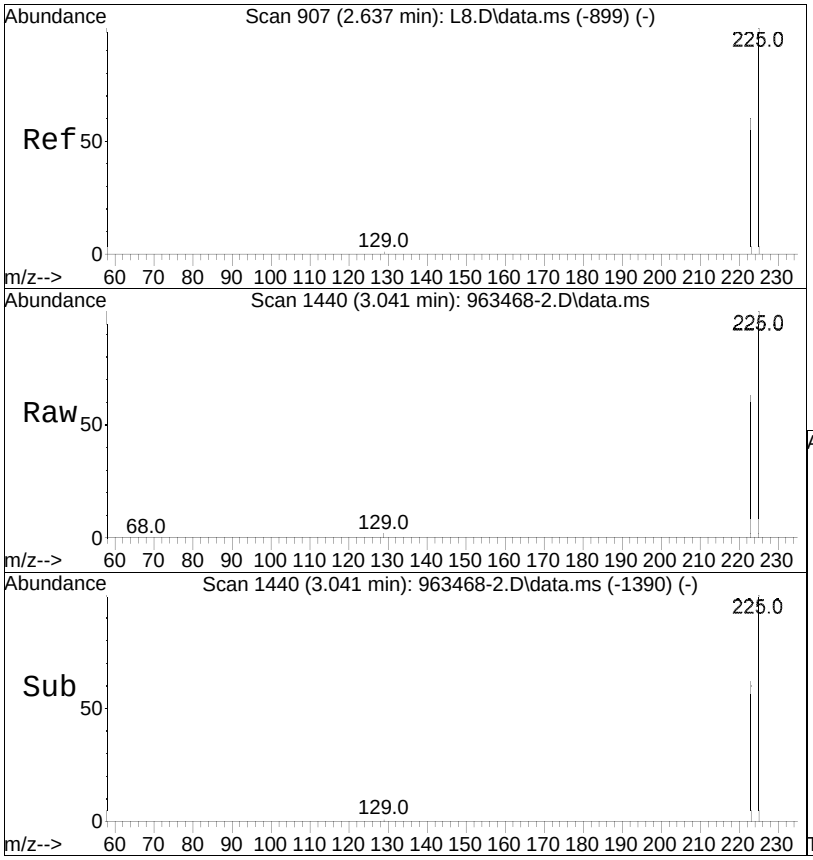


#9
Naphthalene
Concen: 1224.98 ng/ml
RT: 2.970 min Scan# 1396
Delta R.T. -0.002 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:128 Resp: 279322

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.1	10.6	15.8

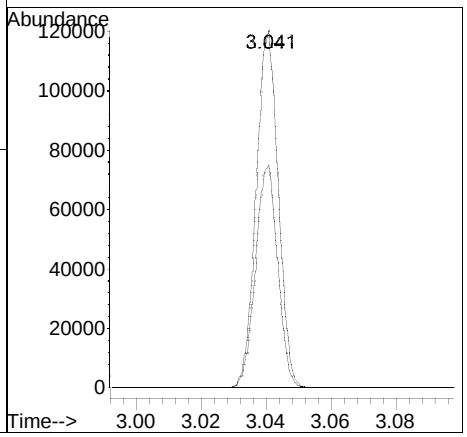


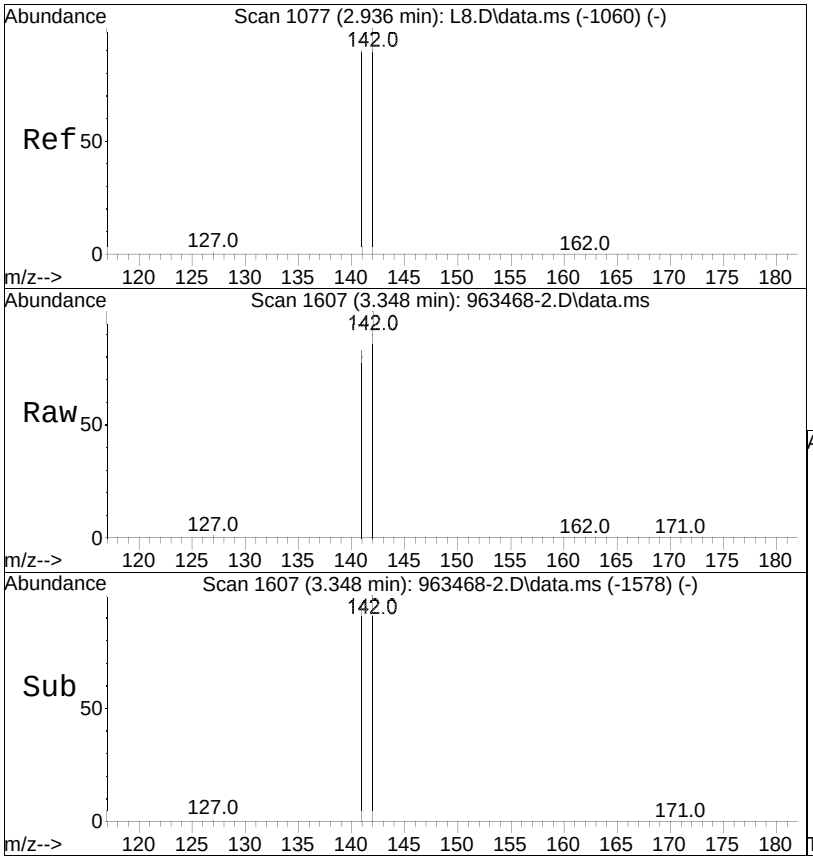


#10
Hexachlorobutadiene
Concen: 1085.06 ng/ml
RT: 3.041 min Scan# 1440
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:225 Resp: 55536

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2

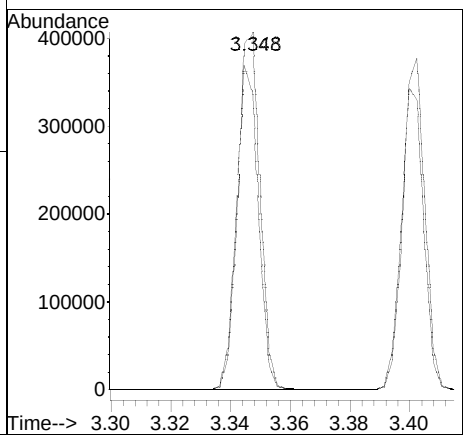


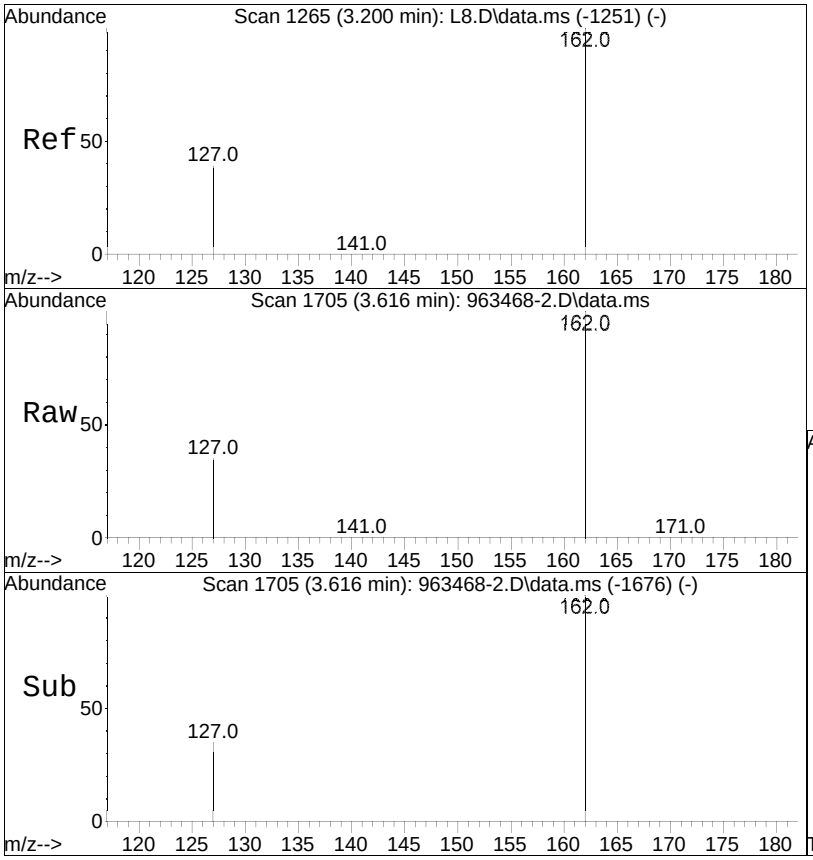


#11
2-Methylnaphthalene
Concen: 1228.79 ng/ml
RT: 3.348 min Scan# 1607
Delta R.T. -0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:142 Resp: 210570

Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.3	108.5

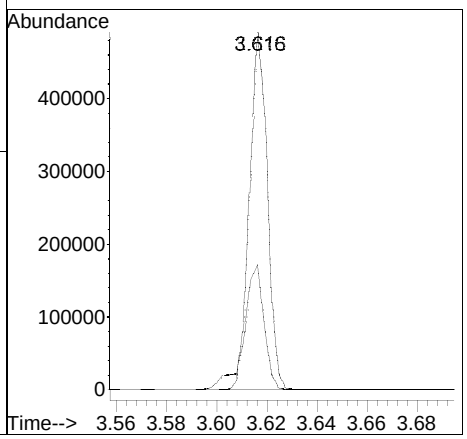


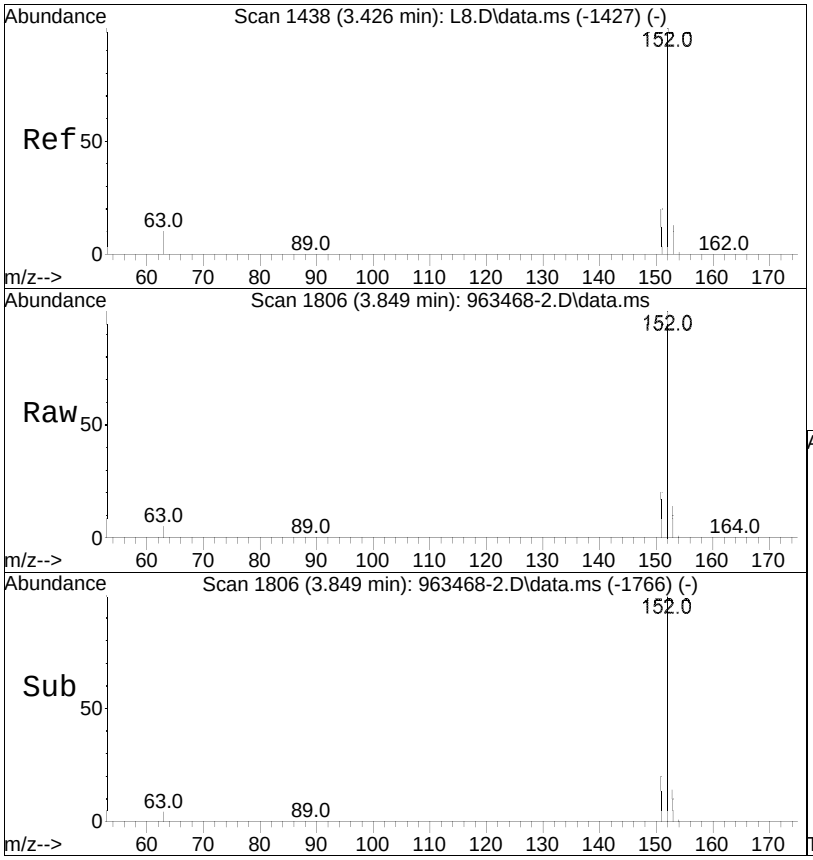


#14
2-Chloronaphthalene
Concen: 1282.64 ng/ml
RT: 3.616 min Scan# 1705
Delta R.T. -0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:162 Resp: 236809

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.0	48.0

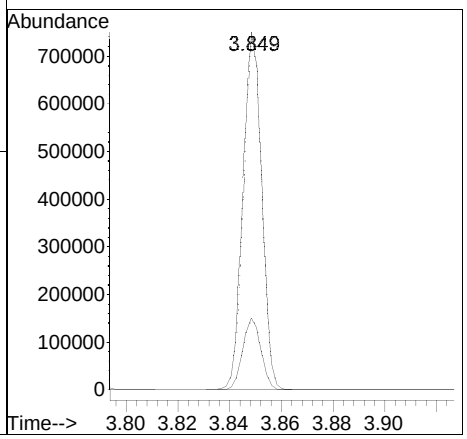


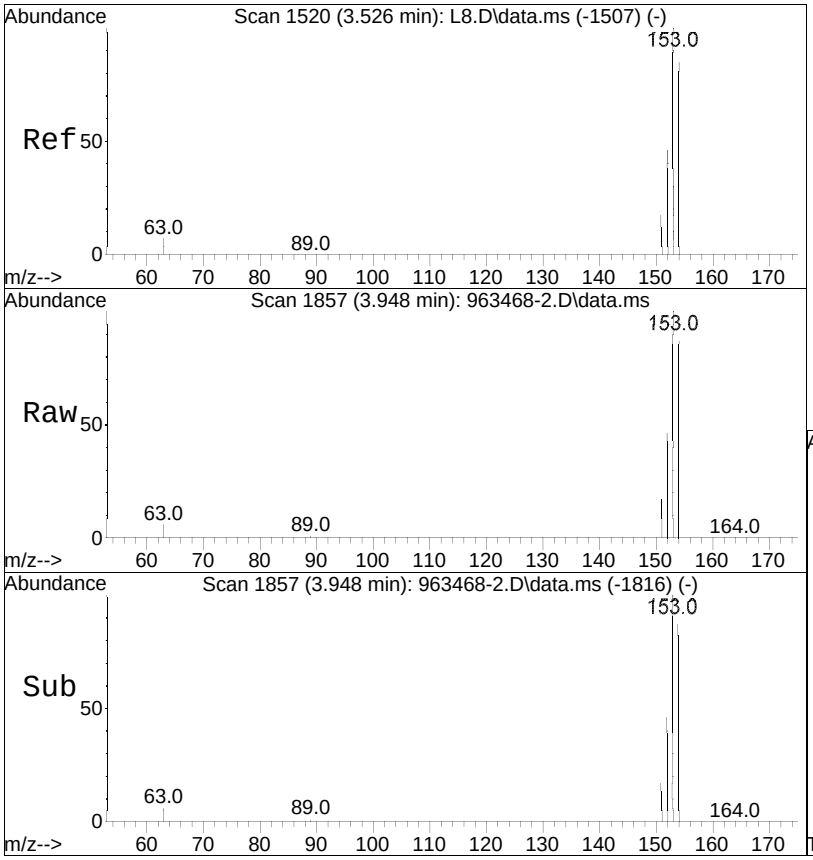


#16
Acenaphthylene
Concen: 1256.17 ng/ml
RT: 3.849 min Scan# 1806
Delta R.T. -0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:152 Resp: 370529

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

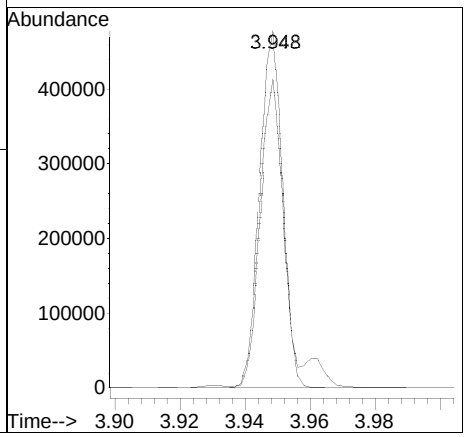


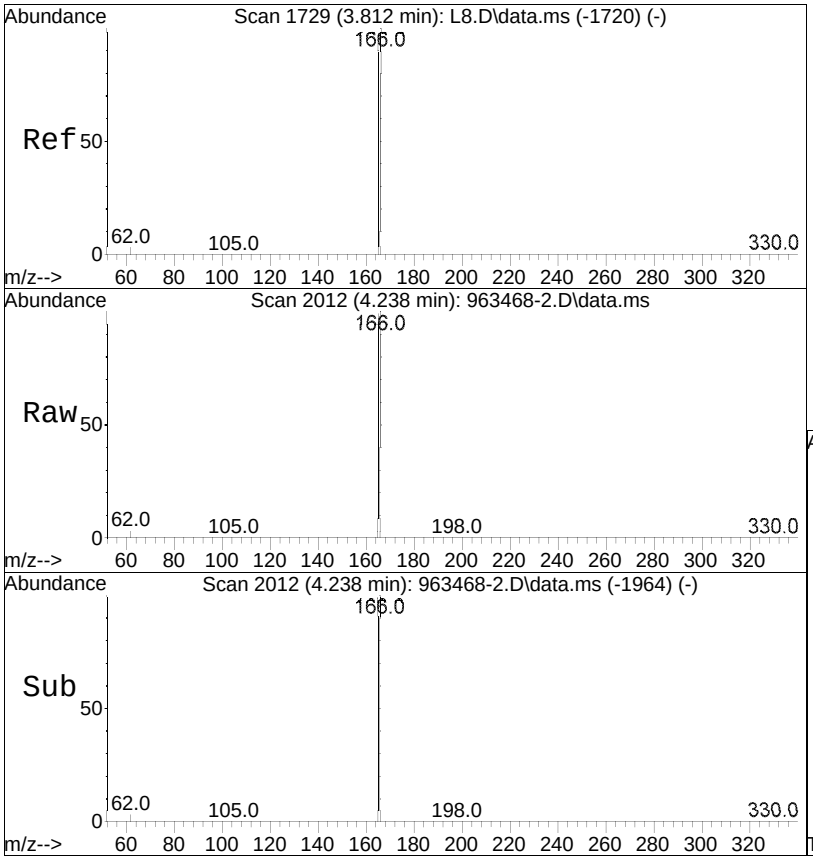


#18
Acenaphthene
Concen: 1419.94 ng/ml
RT: 3.948 min Scan# 1857
Delta R.T. 0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:153 Resp: 231419

Ion	Ratio	Lower	Upper
153	100		
154	87.3	68.1	102.1

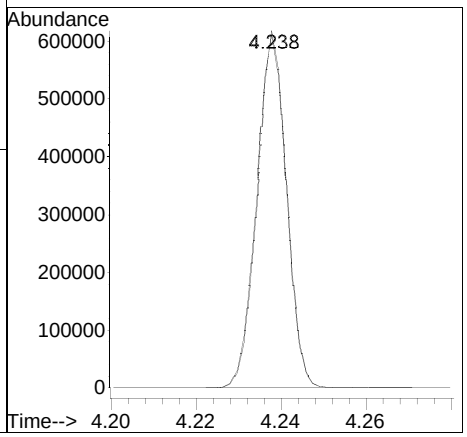


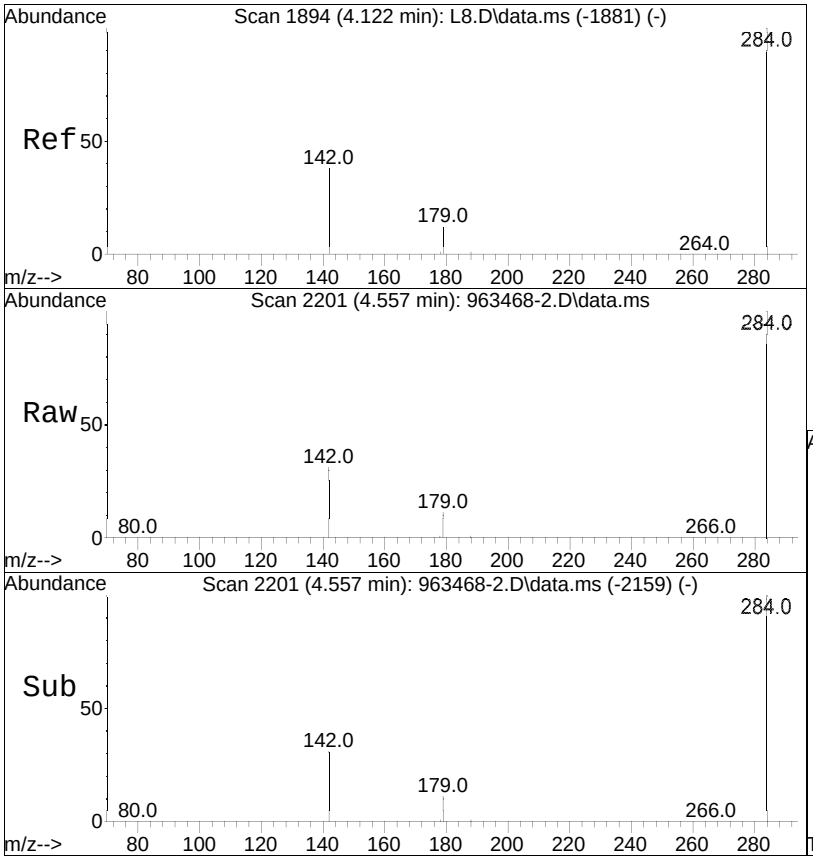


#20
Fluorene
Concen: 1378.07 ng/ml
RT: 4.238 min Scan# 2012
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:166 Resp: 296025

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.3	118.9

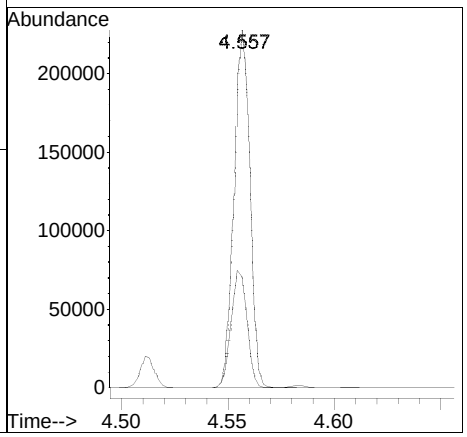


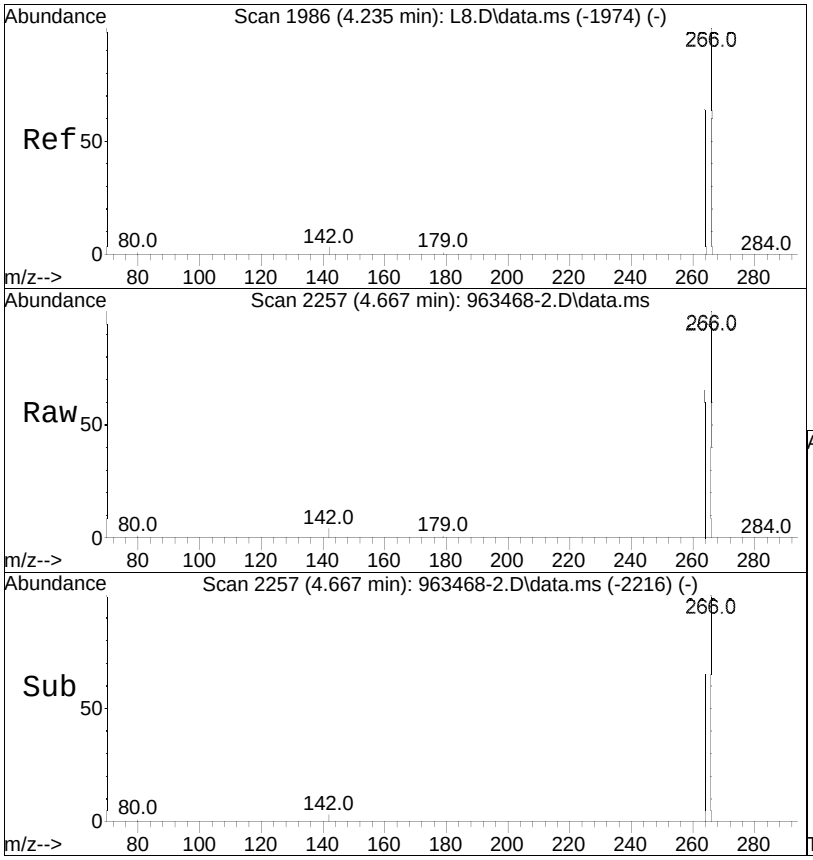


#24
Hexachlorobenzene
Concen: 1716.06 ng/ml
RT: 4.557 min Scan# 2201
Delta R.T. 0.001 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:284 Resp: 116436

Ion	Ratio	Lower	Upper
284	100		
142	33.1	30.0	45.0

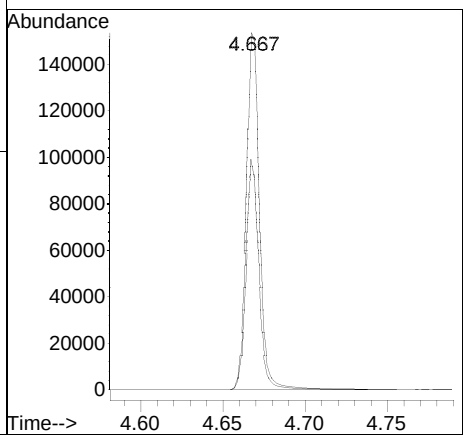


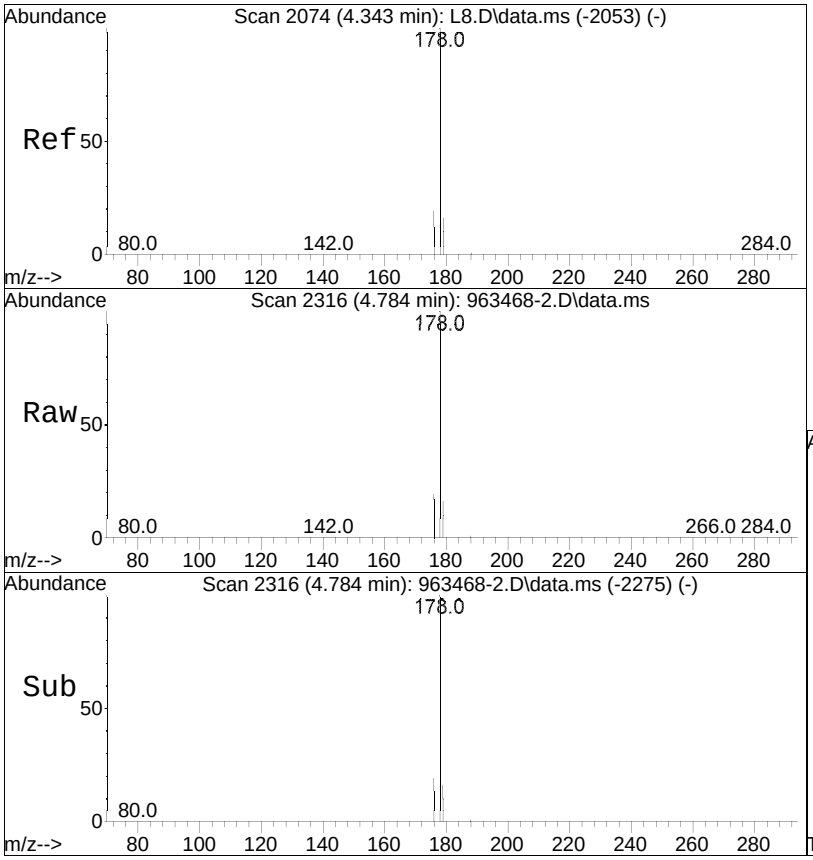


#25
Pentachlorophenol
Concen: 1924.23 ng/ml
RT: 4.667 min Scan# 2257
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:266 Resp: 85185

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.9	74.9

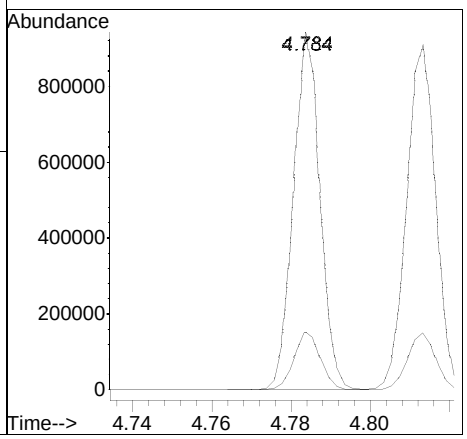


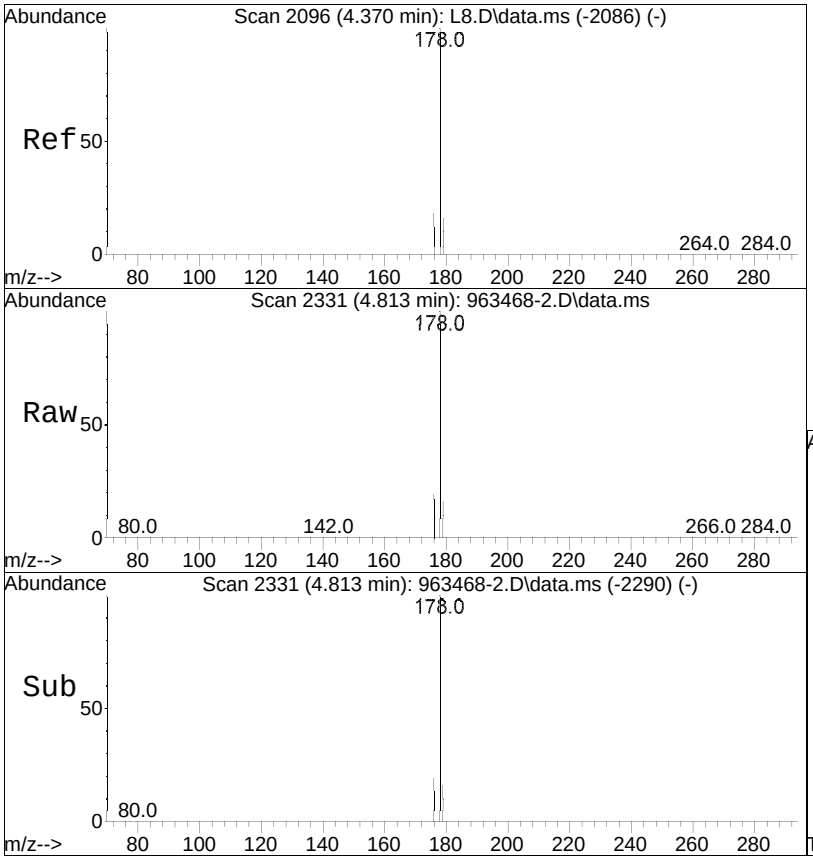


#26
Phenanthrene
Concen: 1533.17 ng/ml
RT: 4.784 min Scan# 2316
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:178 Resp: 440445

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	18.8

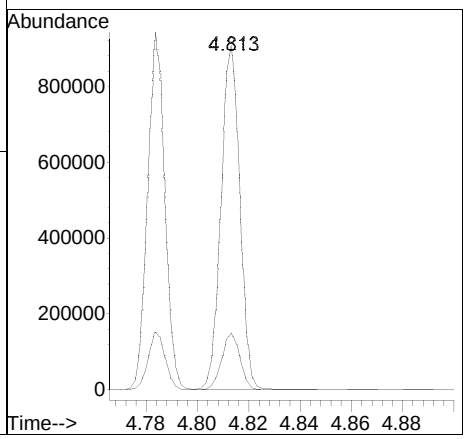


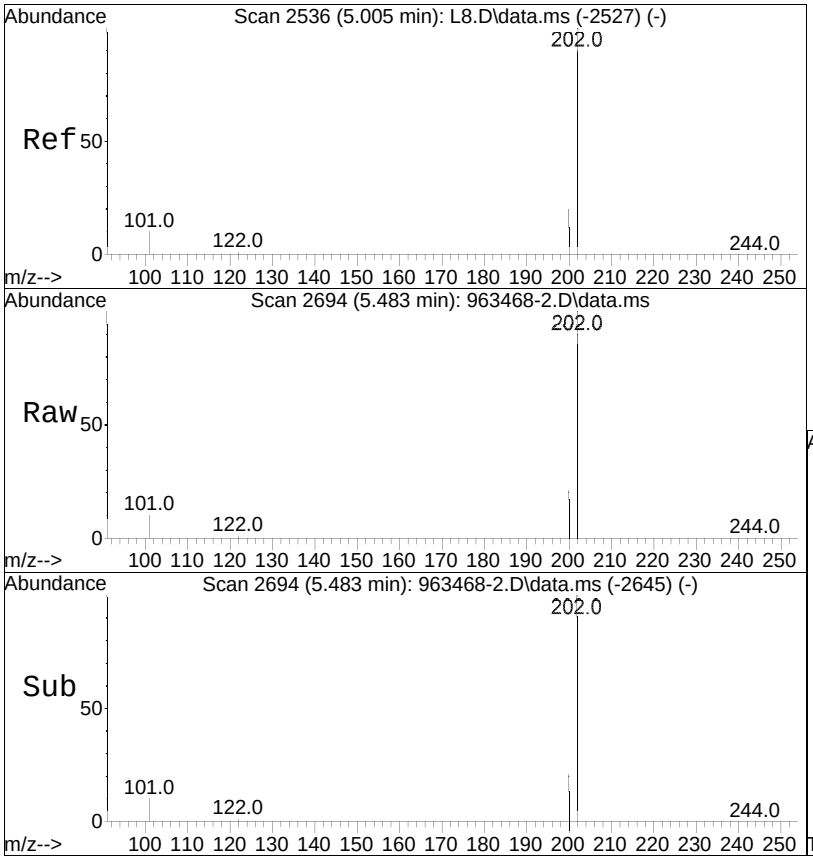


#27
Anthracene
Concen: 1561.55 ng/ml
RT: 4.813 min Scan# 2331
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:178 Resp: 463489

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.4	18.6

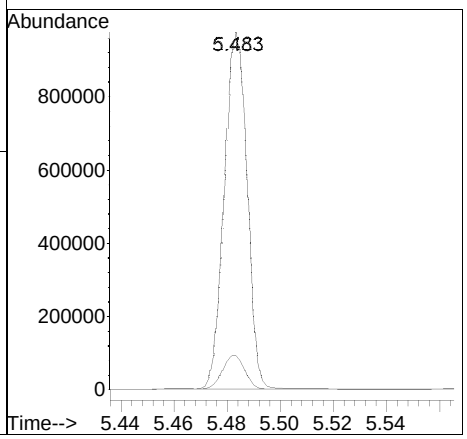


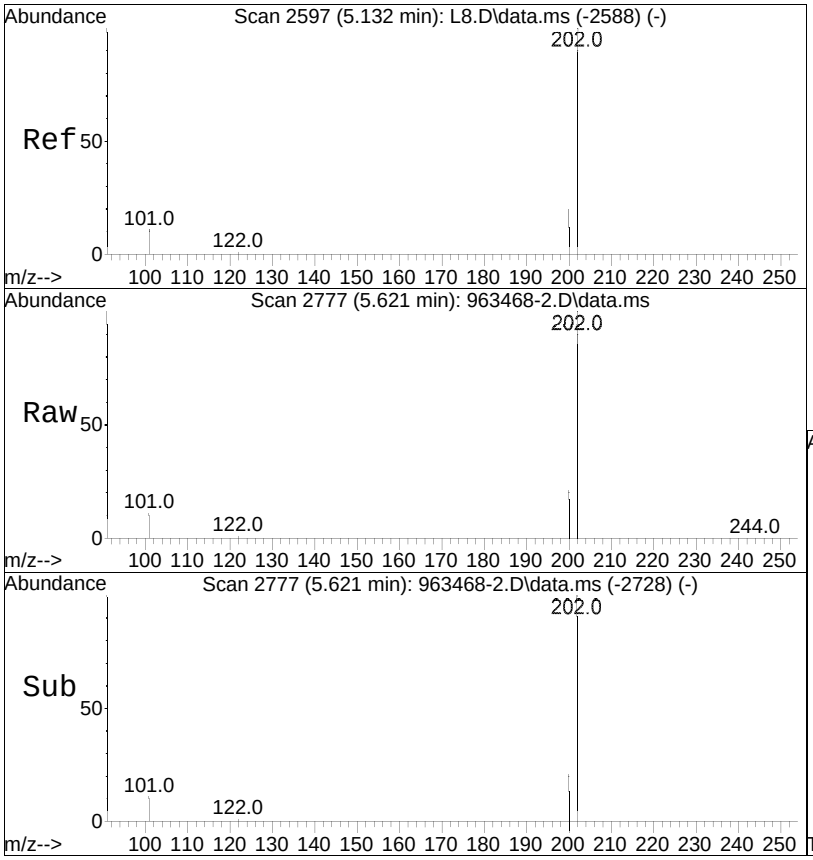


#28
Fluoranthene
Concen: 1454.20 ng/ml
RT: 5.483 min Scan# 2694
Delta R.T. 0.002 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:202 Resp: 573626

Ion	Ratio	Lower	Upper
202	100		
101	9.5	8.1	12.1

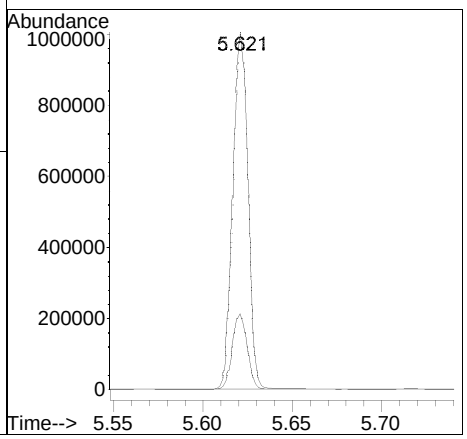


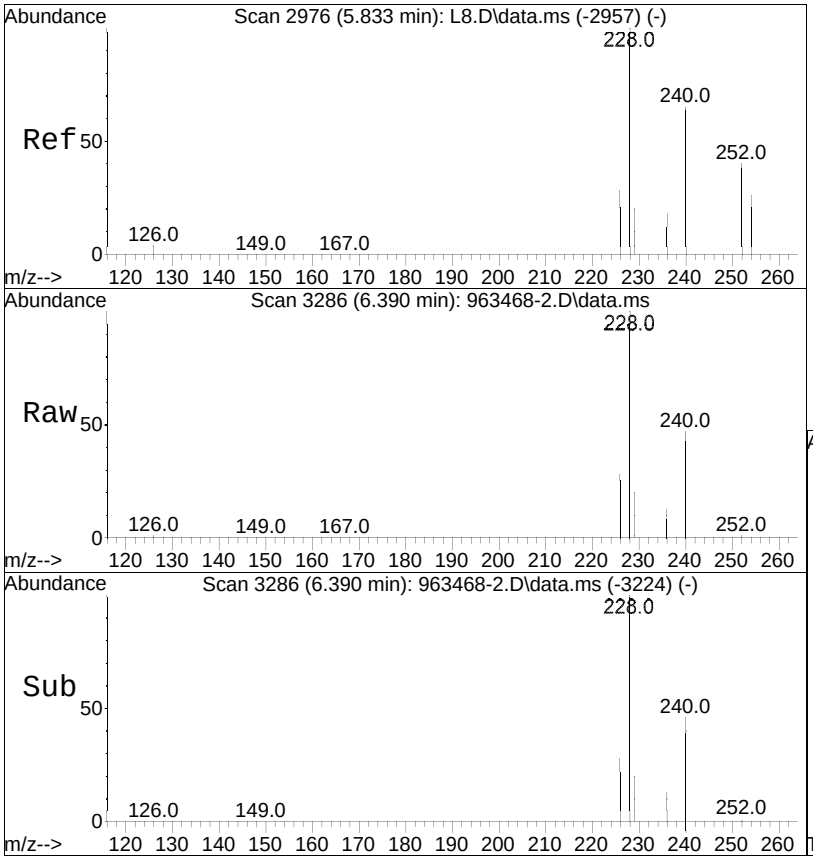


#29
Pyrene
Concen: 1427.06 ng/ml
RT: 5.621 min Scan# 2777
Delta R.T. 0.002 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:202 Resp: 583326

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7

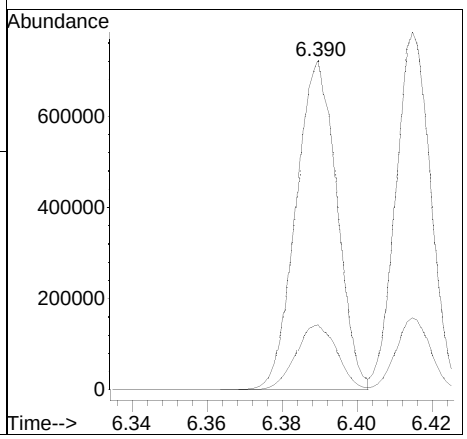


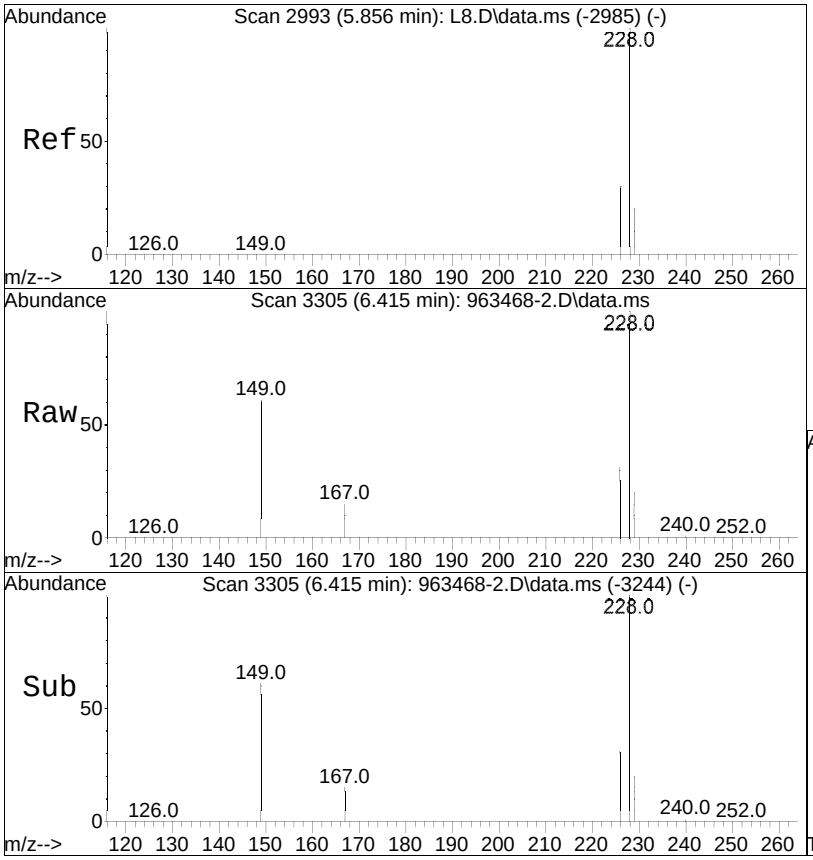


#32
Benzo[a]anthracene
Concen: 1592.23 ng/ml
RT: 6.390 min Scan# 3286
Delta R.T. 0.002 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:228 Resp: 545980

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

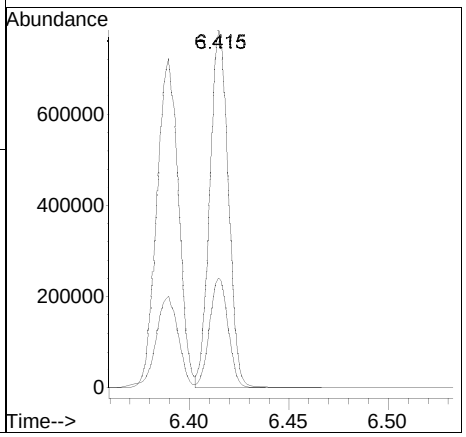


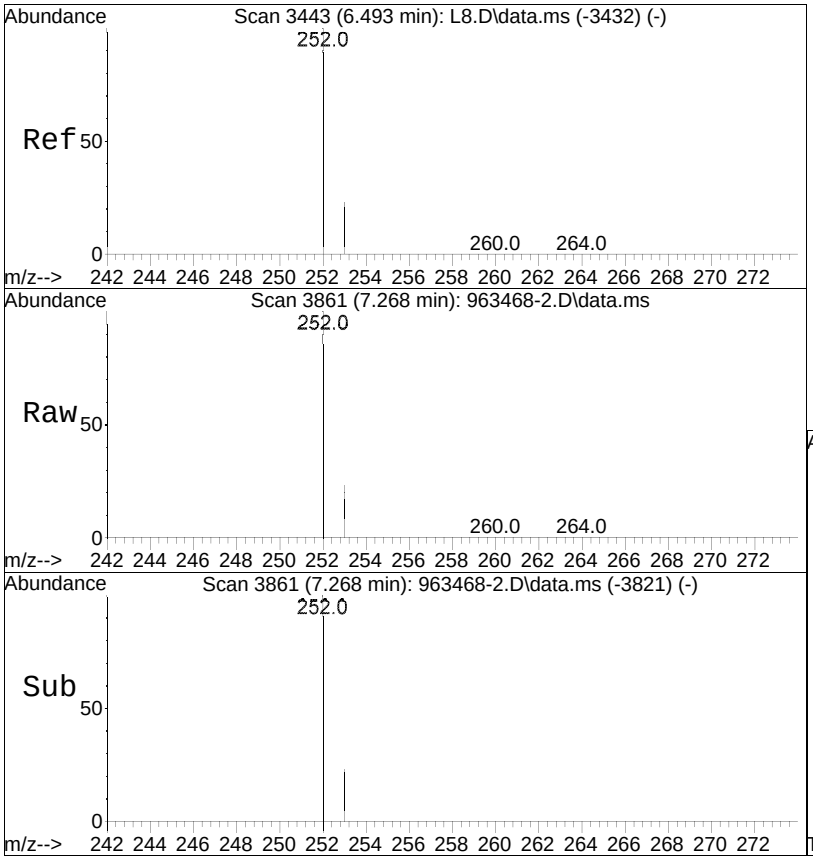


#34
Chrysene
Concen: 1502.06 ng/ml
RT: 6.415 min Scan# 3305
Delta R.T. 0.000 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:228 Resp: 508157

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9

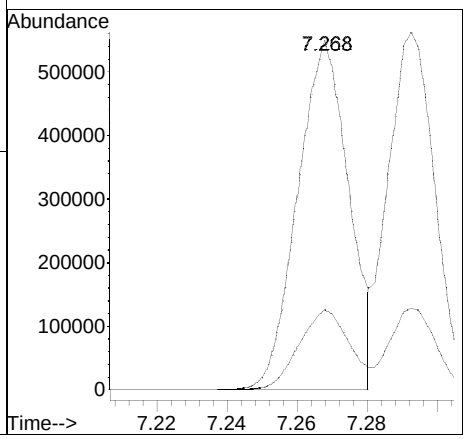


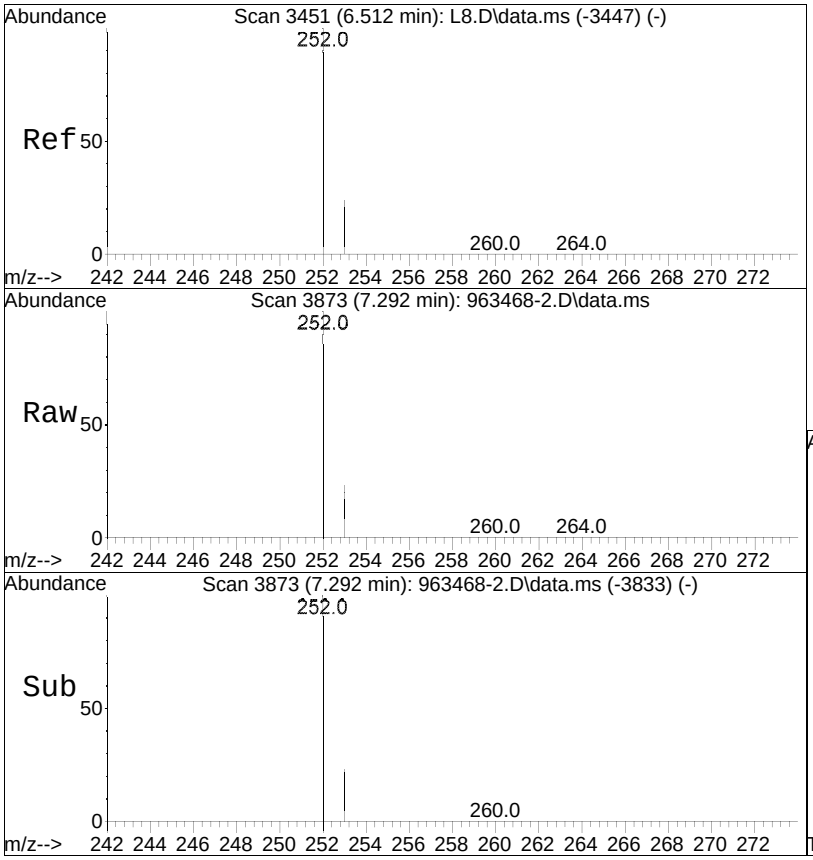


#37
Benzo[b]fluoranthene
Concen: 1398.86 ng/ml
RT: 7.268 min Scan# 3861
Delta R.T. 0.003 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:252 Resp: 556692

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0

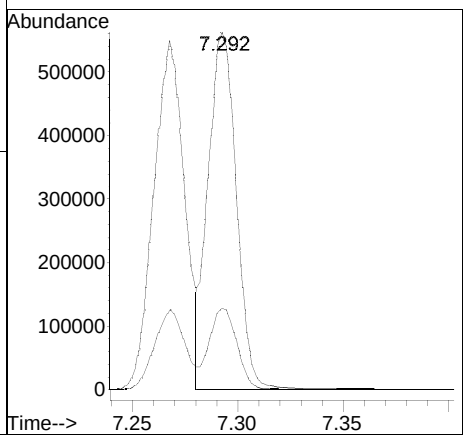


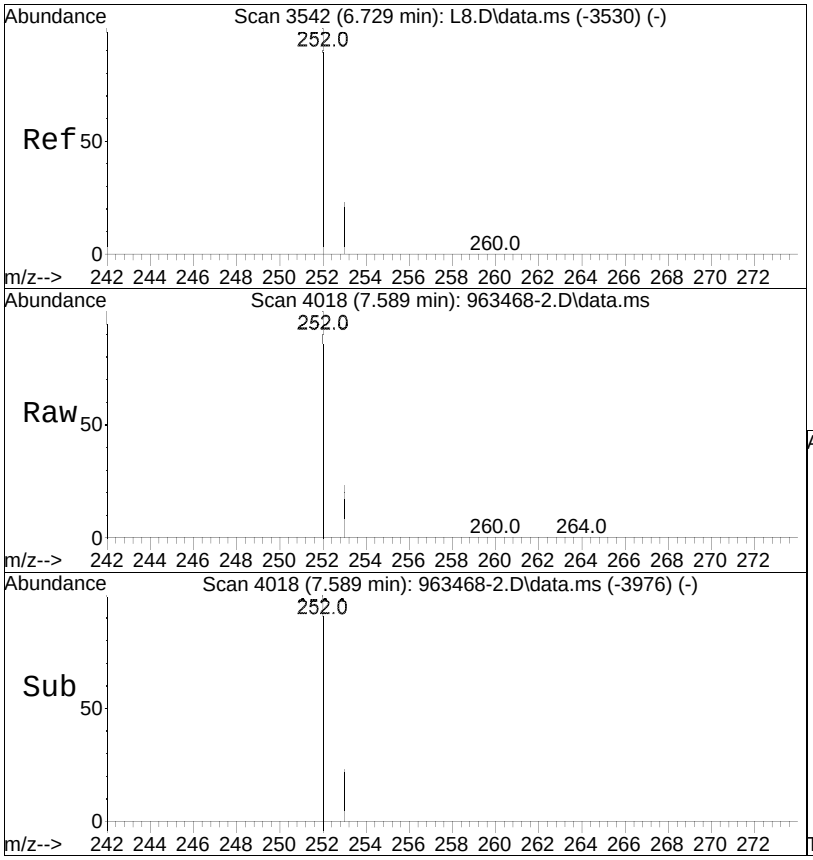


#38
Benzo[k]fluoranthene
Concen: 1420.31 ng/ml
RT: 7.292 min Scan# 3873
Delta R.T. 0.003 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:252 Resp: 522186

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5

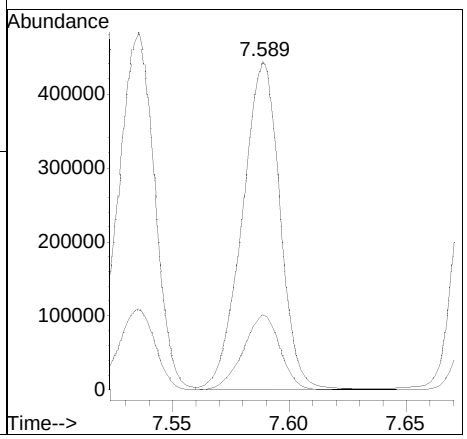


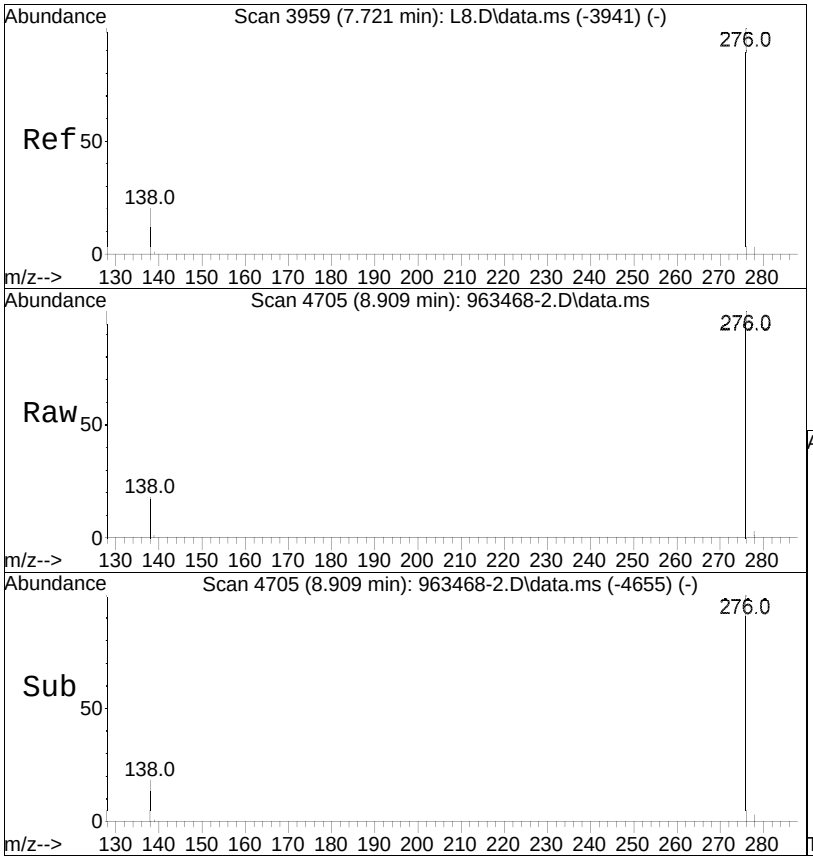


#39
Benzo[a]pyrene
Concen: 1394.25 ng/ml
RT: 7.589 min Scan# 4018
Delta R.T. 0.007 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:252 Resp: 491423

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

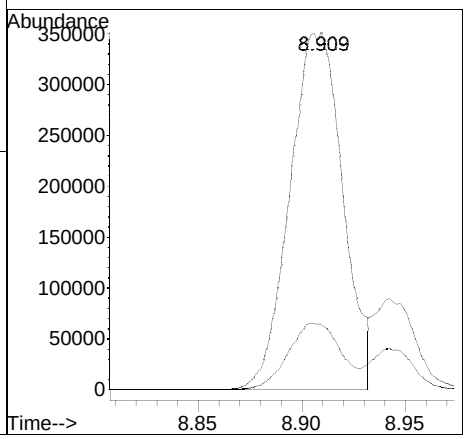


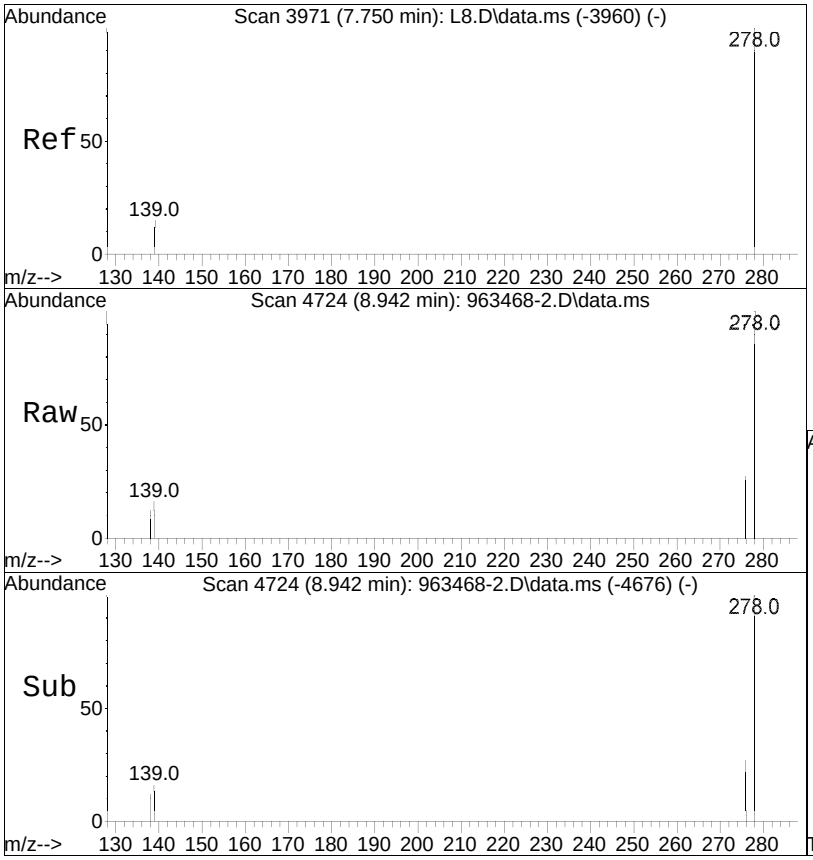


#40
Indeno[1,2,3-cd]pyrene
Concen: 1735.20 ng/ml
RT: 8.909 min Scan# 4705
Delta R.T. 0.007 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:276 Resp: 618254

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.1	22.7

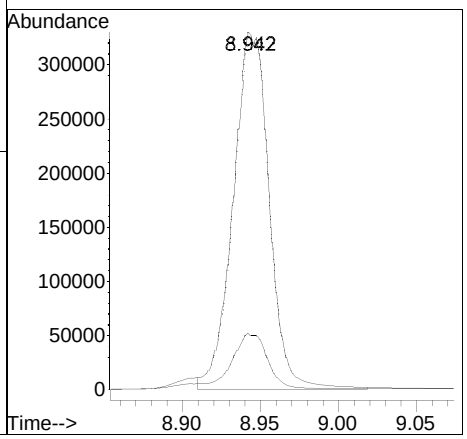


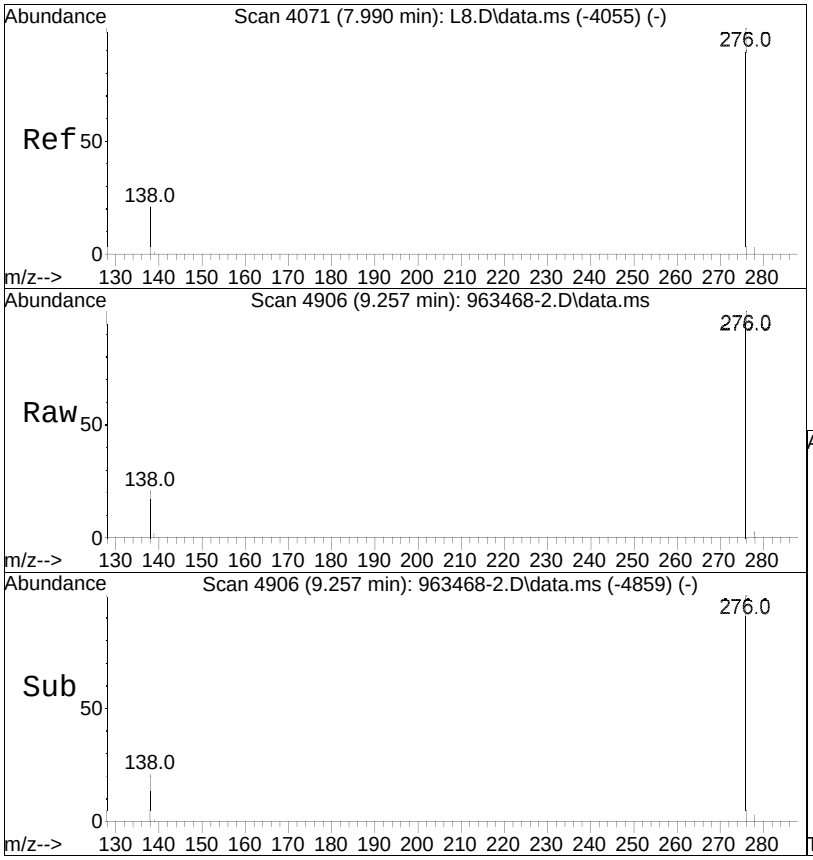


#41
Dibenzo[a,h]anthracene
Concen: 1659.93 ng/ml M6
RT: 8.942 min Scan# 4724
Delta R.T. 0.004 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:278 Resp: 526848

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.3	19.9

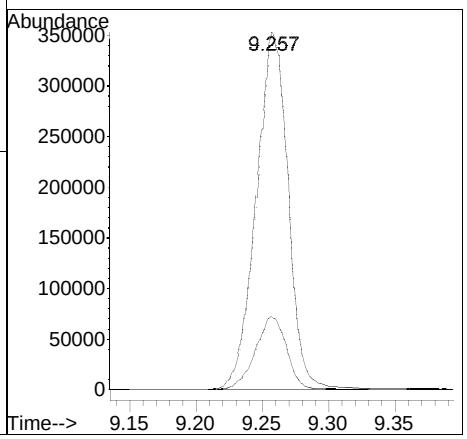




#42
Benzo[g,h,i]perylene
Concen: 1663.20 ng/ml
RT: 9.257 min Scan# 4906
Delta R.T. 0.002 min
Lab File: 963468-2.D
Acq: 25 Aug 2024 01:47 pm

Tgt Ion:276 Resp: 582892

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.9	25.3

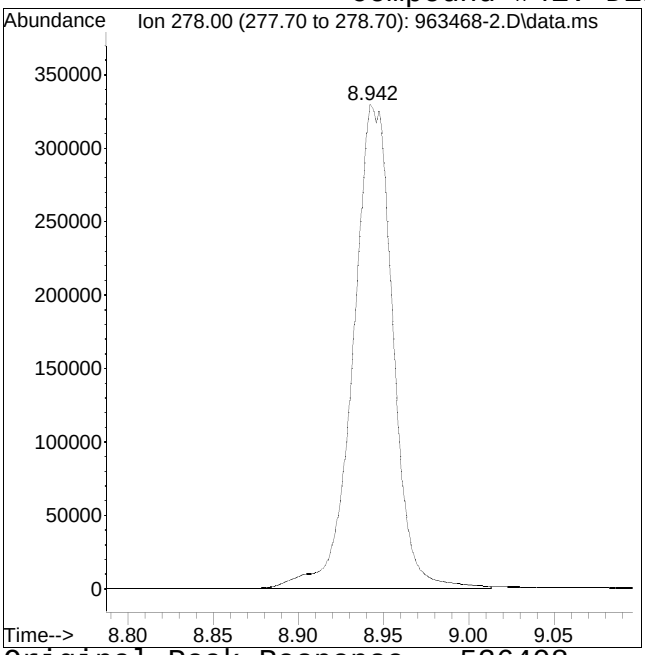


Manual Integration Report

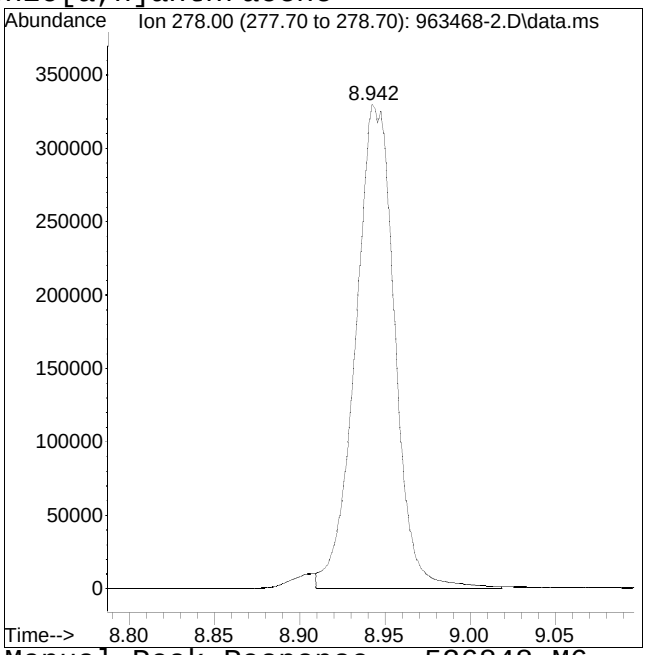
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 963468-2.D
Date Inj'd : 8/25/2024 1:47 pm
Sample : WG1963468-2,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 2:01 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 536408



Manual Peak Response = 526848 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-2.D
Acq On : 27 Aug 2024 09:05 am
Operator : SV120:rp
Sample : WG1964121-2,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 12:47:03 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.179	152	352431	4000.000	ng/ml	0.00
Standard Area 1 = 454641			Recovery = 77.52%			
8) Naphthalene-d8	2.835	136	1490058	4000.000	ng/ml	0.00
Standard Area 1 = 1780821			Recovery = 83.67%			
17) Acenaphthene-d10	3.807	164	828434	4000.000	ng/ml	0.00
Standard Area 1 = 1044720			Recovery = 79.30%			
22) Phenanthrene-d10	4.639	188	1582850	4000.000	ng/ml	0.00
Standard Area 1 = 2173941			Recovery = 72.81%			
31) Chrysene-d12	6.178	240	1373858	4000.000	ng/ml	-0.02
Standard Area 1 = 1787578			Recovery = 76.86%			
36) Perylene-d12	7.308	264	1313238	4000.000	ng/ml	-0.02
Standard Area 1 = 1774909			Recovery = 73.99%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.609	112	110400	1054.613	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.73%			
3) Phenol-d6	2.000	99	103891	815.856	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.79%			
7) Nitrobenzene-d5	2.457	82	91249	880.450	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.05%			
13) 2-Fluorobiphenyl	3.429	172	232732	724.793	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.48%			
21) 2,4,6-Tribromophenol	4.249	330	64398	1411.956	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 70.60%			
30) 4-Terphenyl-d14	5.552	244	279703	843.776	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 42.19%			
Target Compounds						Qvalue
6) Hexachloroethane	2.432	117	68516	1385.844	ng/ml	96
9) Naphthalene	2.845	128	567235	1325.690	ng/ml#	100
10) Hexachlorobutadiene	2.921	225	102540	1395.137	ng/ml	100
11) 2-Methylnaphthalene	3.223	142	403068	1484.096	ng/ml	99
14) 2-Chloronaphthalene	3.492	162	408723	1481.149	ng/ml	93
16) Acenaphthylene	3.723	152	641091	1618.294	ng/ml	99
18) Acenaphthene	3.823	153	436450	1460.919	ng/ml	97
20) Fluorene	4.111	166	501484	1514.820	ng/ml	99
24) Hexachlorobenzene	4.428	284	164729	1484.250	ng/ml	98
25) Pentachlorophenol	4.539	266	105285	1913.481	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-2.D
Acq On : 27 Aug 2024 09:05 am
Operator : SV120:rp
Sample : WG1964121-2,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 12:47:03 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.653	178	746077	1587.346	ng/ml	100
27) Anthracene	4.681	178	769948	1697.923	ng/ml	100
28) Fluoranthene	5.326	202	855661	1684.864	ng/ml	98
29) Pyrene	5.458	202	879098	1661.482	ng/ml	99
32) Benzo[a]anthracene	6.171	228	815480	1571.278	ng/ml	100
34) Chrysene	6.193	228	764272	1529.487	ng/ml	98
37) Benzo[b]fluoranthene	6.959	252	734702	1657.420	ng/ml	96
38) Benzo[k]fluoranthene	6.979	252	739770	1771.314	ng/ml	97
39) Benzo[a]pyrene	7.246	252	646418	1823.409	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.445	276	679035	2044.100	ng/ml	94
41) Dibenzo[a,h]anthracene	8.477	278	625138M6	2005.212	ng/ml	
42) Benzo[g,h,i]perylene	8.767	276	627806	1848.884	ng/ml	94

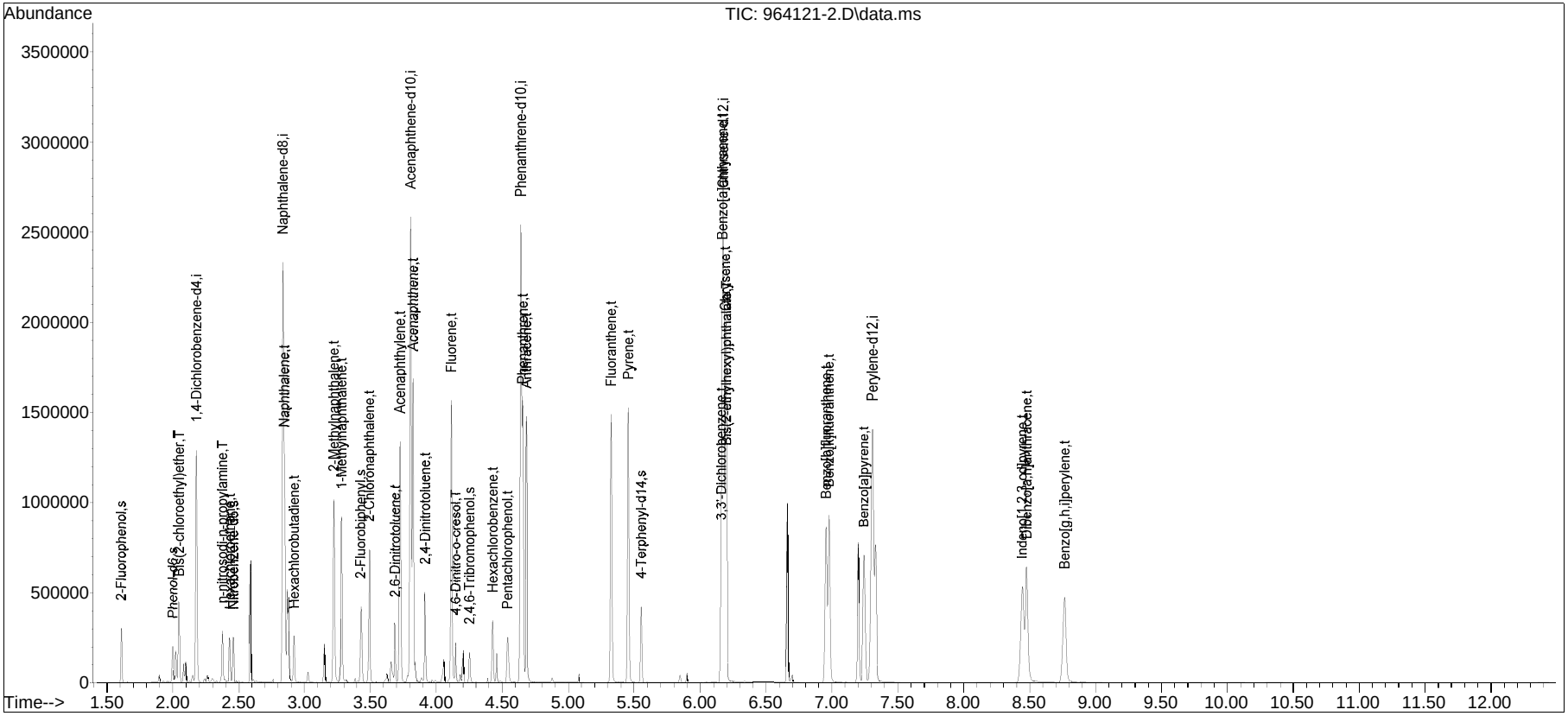
(#) = qualifier out of range (m) = manual integration (+) = signals summed

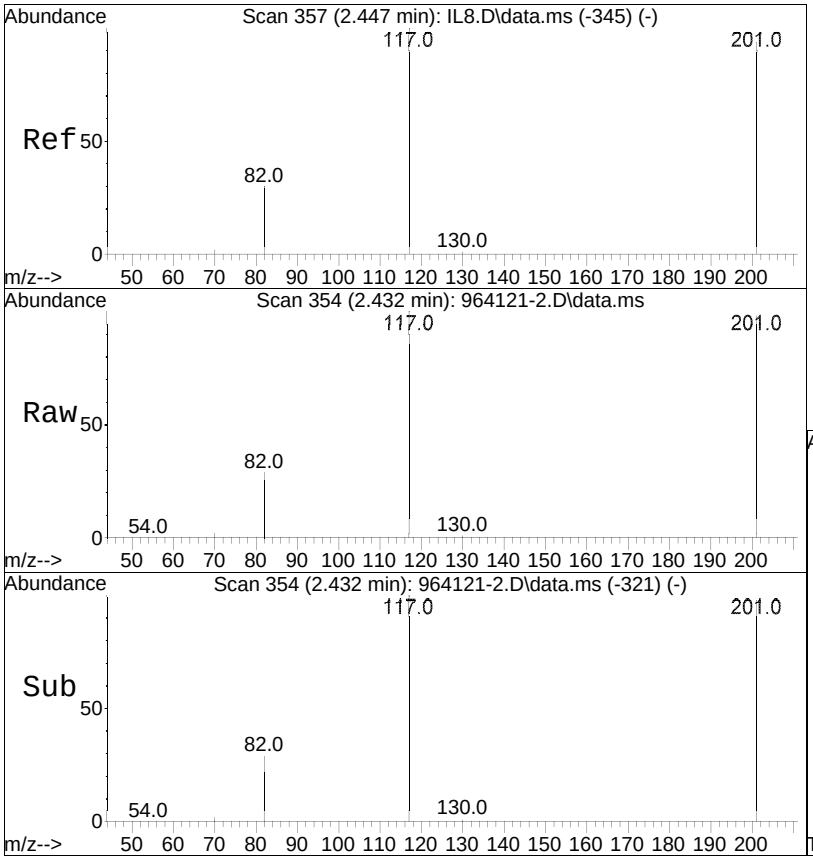
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-2.D
Acq On : 27 Aug 2024 09:05 am
Operator : SV120:rp
Sample : WG1964121-2,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 12:47:03 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0827.D•

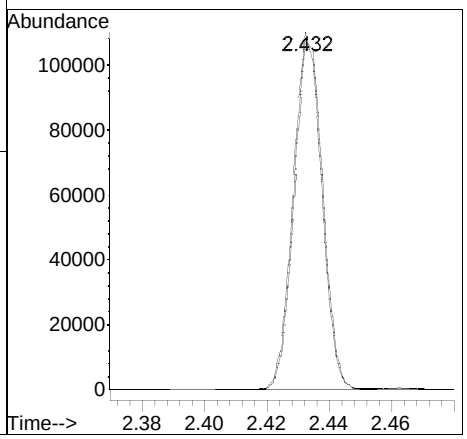


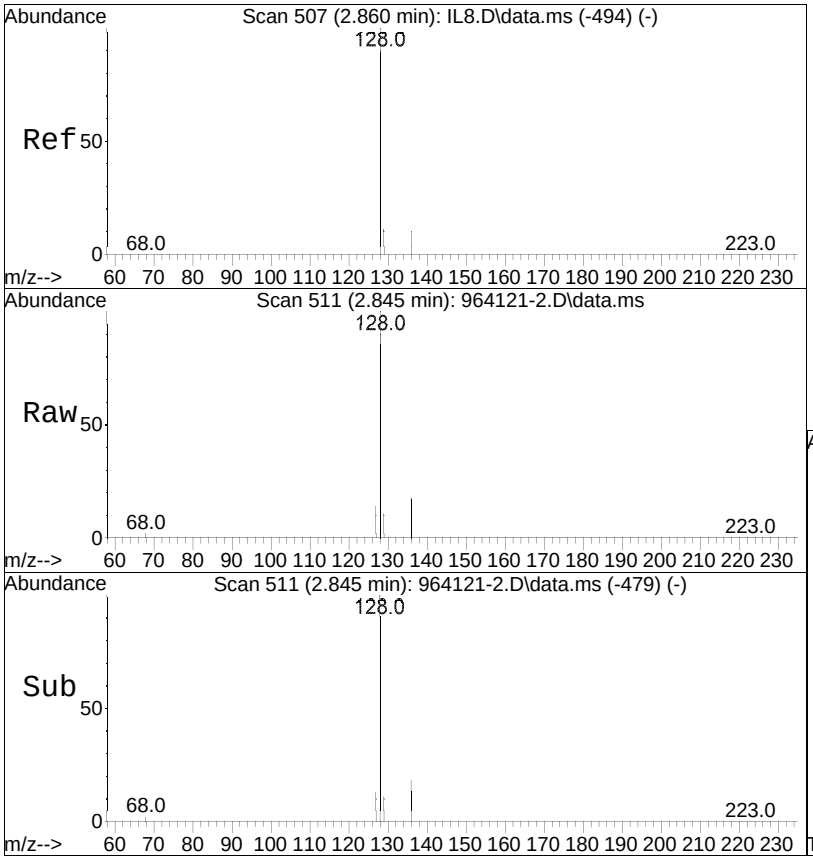


#6
Hexachloroethane
Concen: 1385.84 ng/ml
RT: 2.432 min Scan# 354
Delta R.T. 0.004 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:117 Resp: 68516

Ion	Ratio	Lower	Upper
117	100		
201	99.8	76.6	115.0

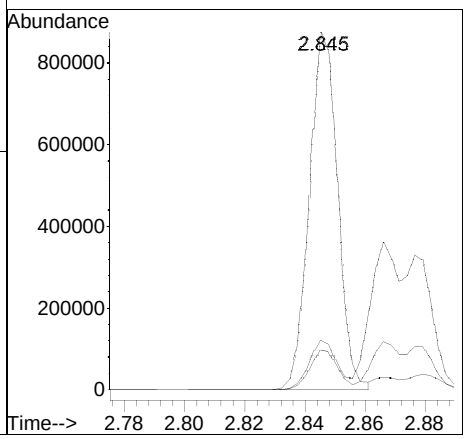


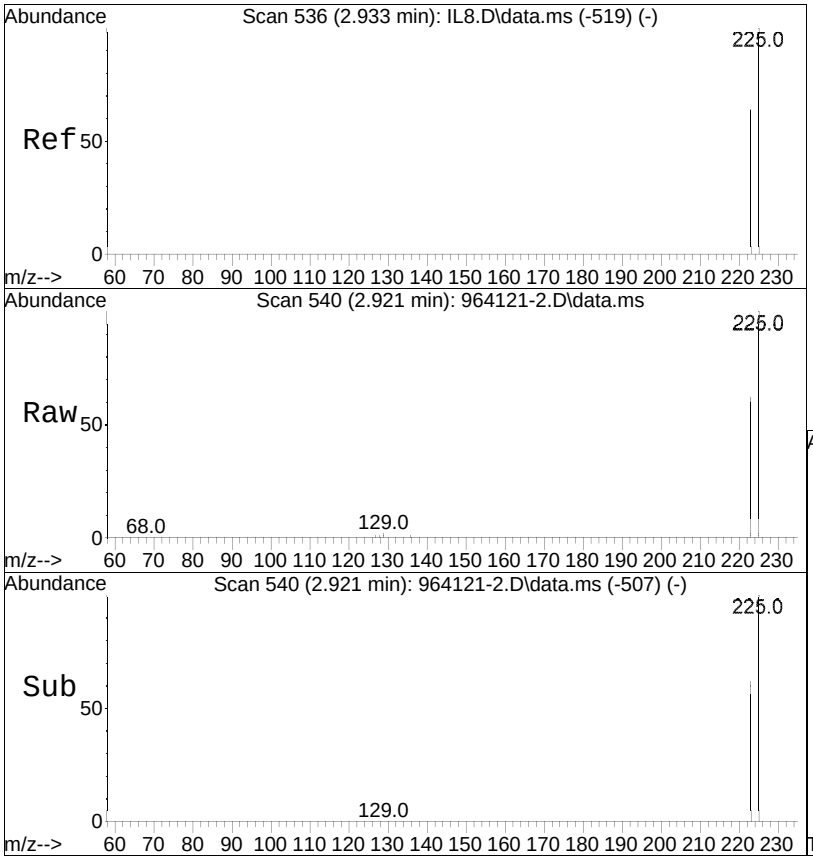


#9
Naphthalene
Concen: 1325.69 ng/ml
RT: 2.845 min Scan# 511
Delta R.T. 0.004 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:128 Resp: 567235

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.1	0.0	0.0#

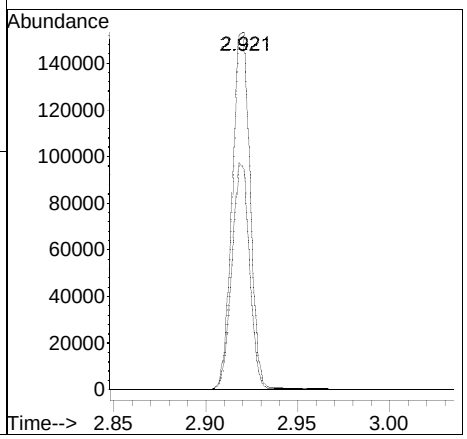


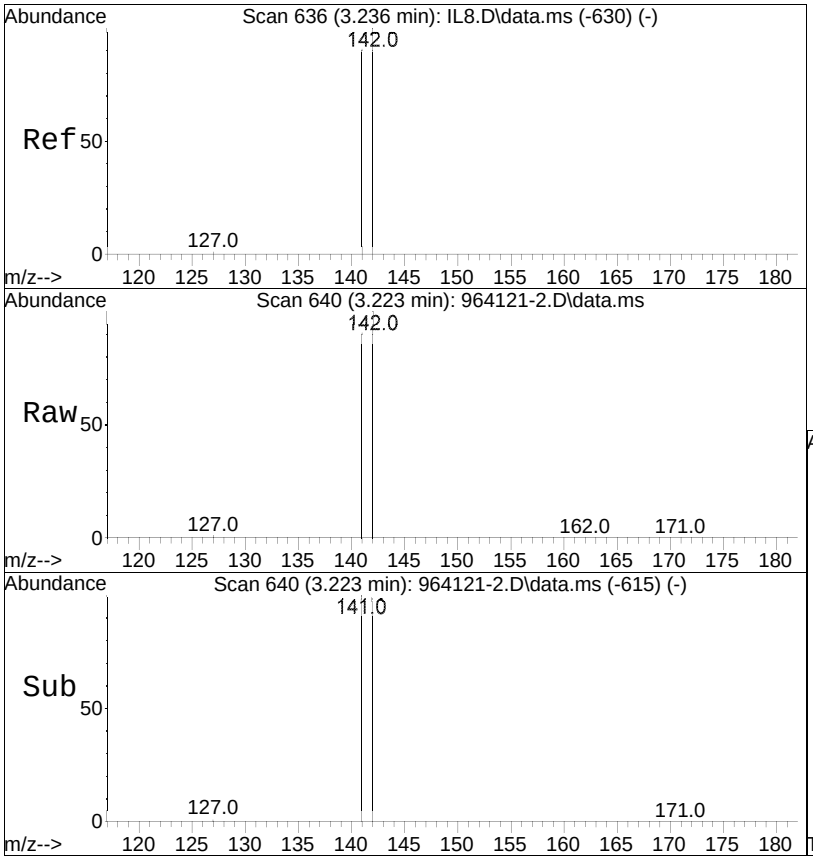


#10
Hexachlorobutadiene
Concen: 1395.14 ng/ml
RT: 2.921 min Scan# 540
Delta R.T. 0.007 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:225 Resp: 102540

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.4	75.6

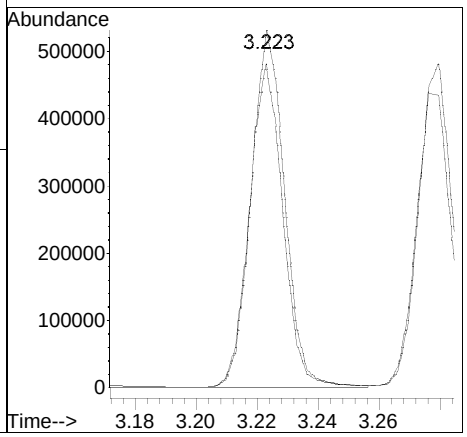


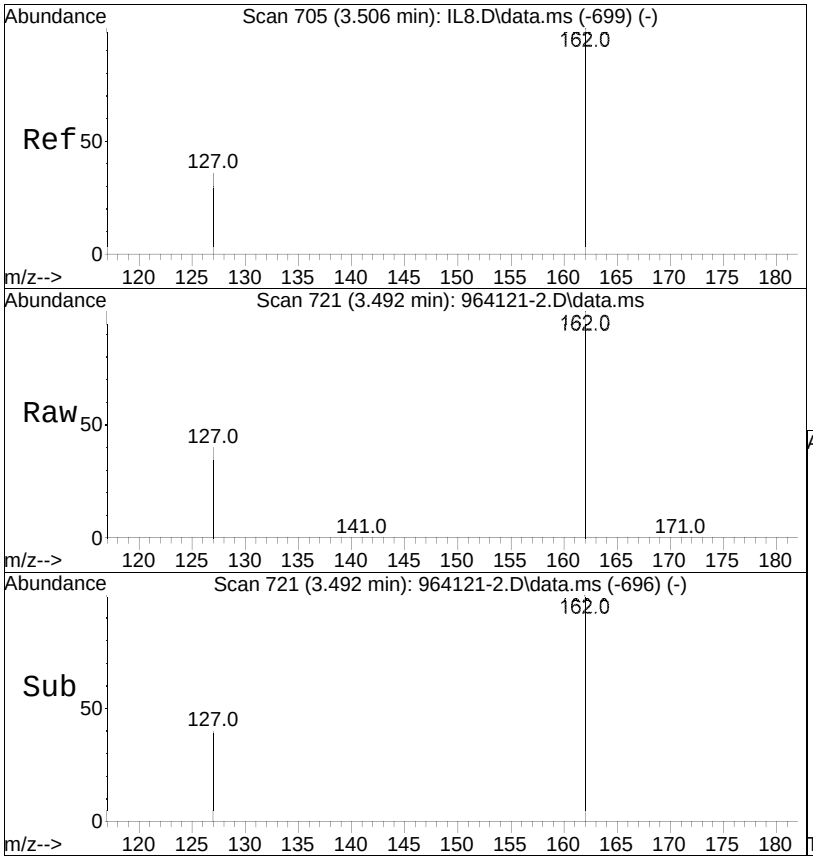


#11
2-Methylnaphthalene
Concen: 1484.10 ng/ml
RT: 3.223 min Scan# 640
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:142 Resp: 403068

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.0	109.4

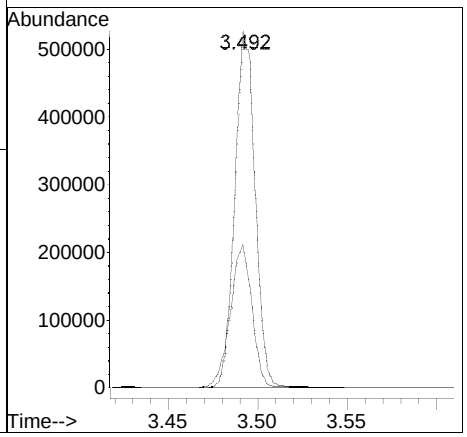


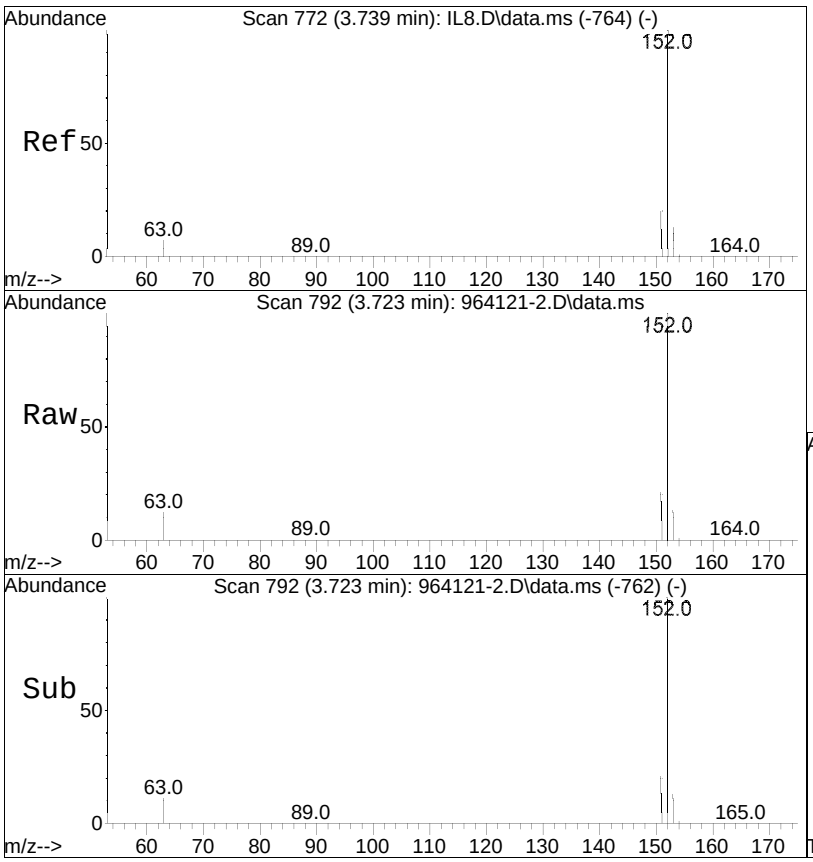


#14
2-Chloronaphthalene
Concen: 1481.15 ng/ml
RT: 3.492 min Scan# 721
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:162 Resp: 408723

Ion	Ratio	Lower	Upper
162	100		
127	43.1	30.9	46.3

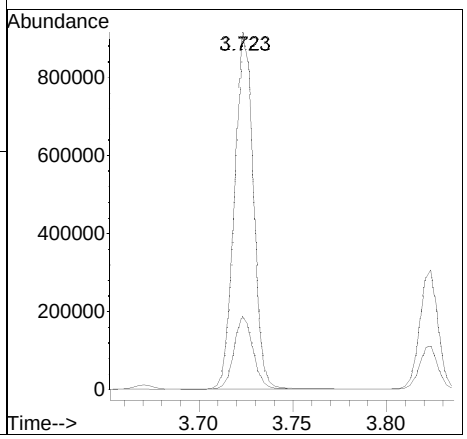


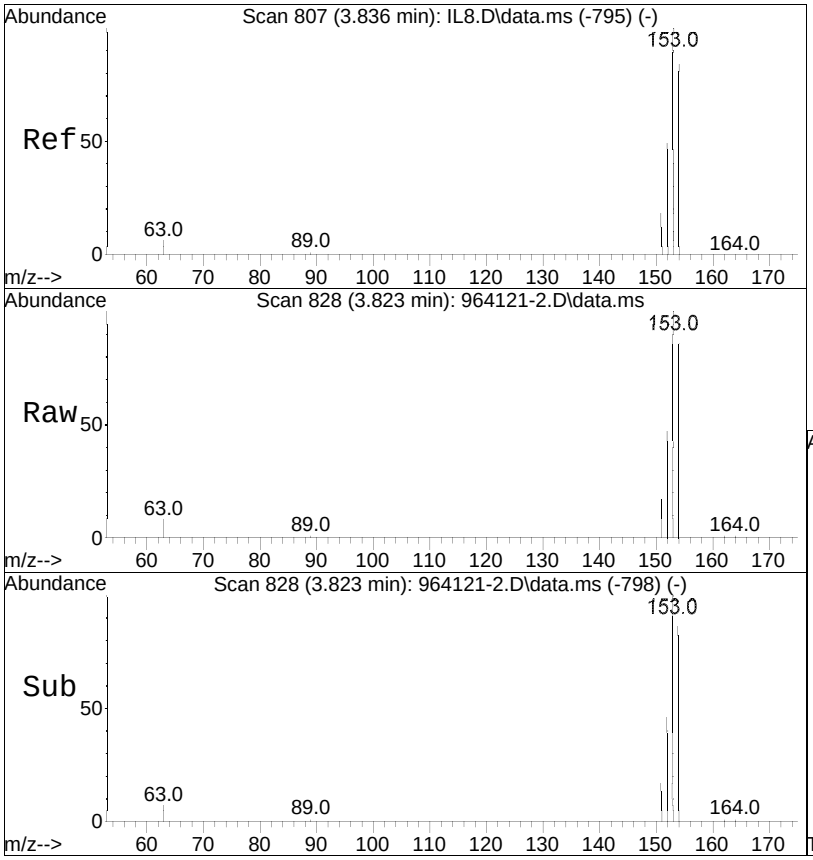


#16
Acenaphthylene
Concen: 1618.29 ng/ml
RT: 3.723 min Scan# 792
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:152 Resp: 641091

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5

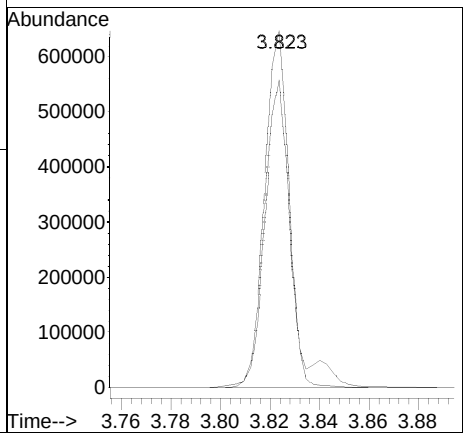


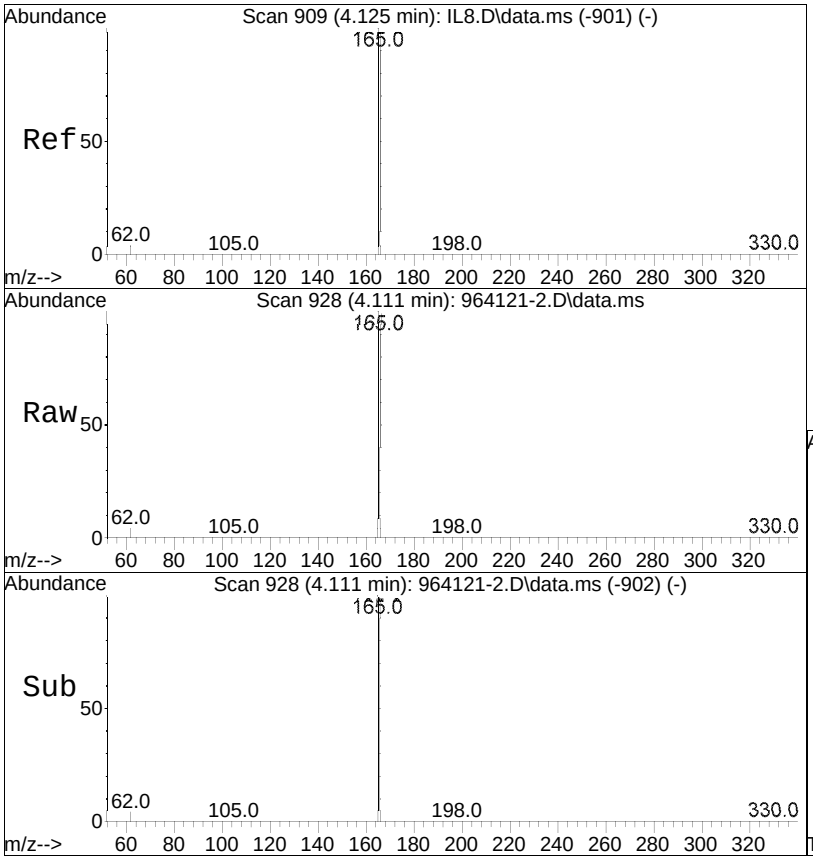


#18
Acenaphthene
Concen: 1460.92 ng/ml
RT: 3.823 min Scan# 828
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:153 Resp: 436450

Ion	Ratio	Lower	Upper
153	100		
154	88.0	72.3	108.5

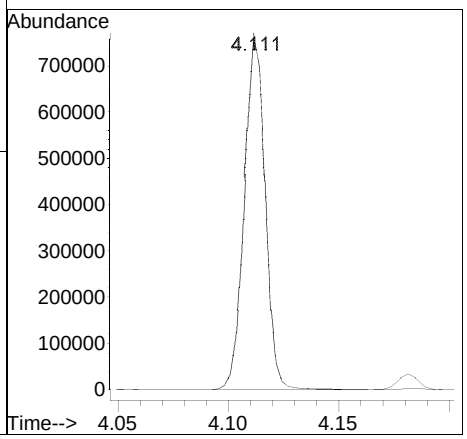


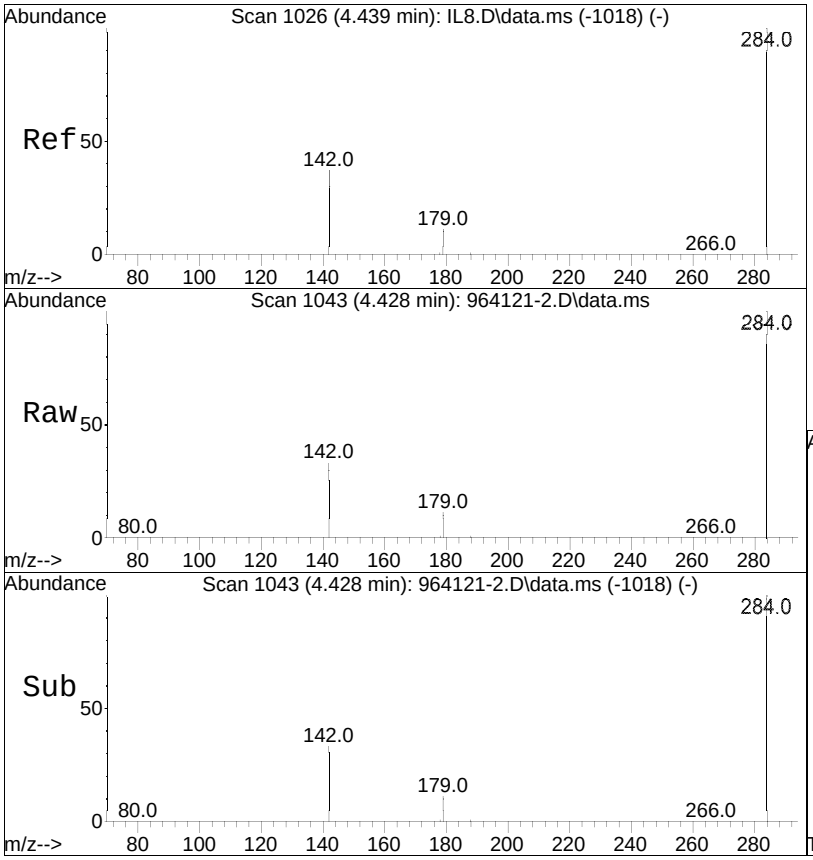


#20
Fluorene
Concen: 1514.82 ng/ml
RT: 4.111 min Scan# 928
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:166 Resp: 501484

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.5	122.3

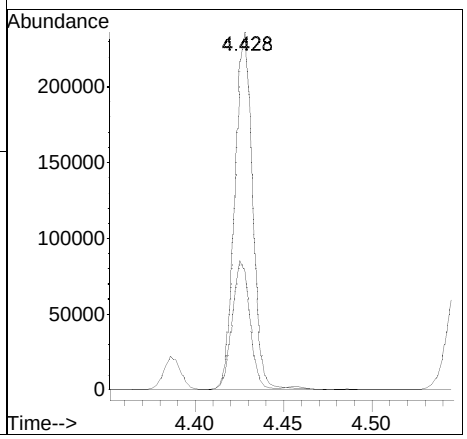


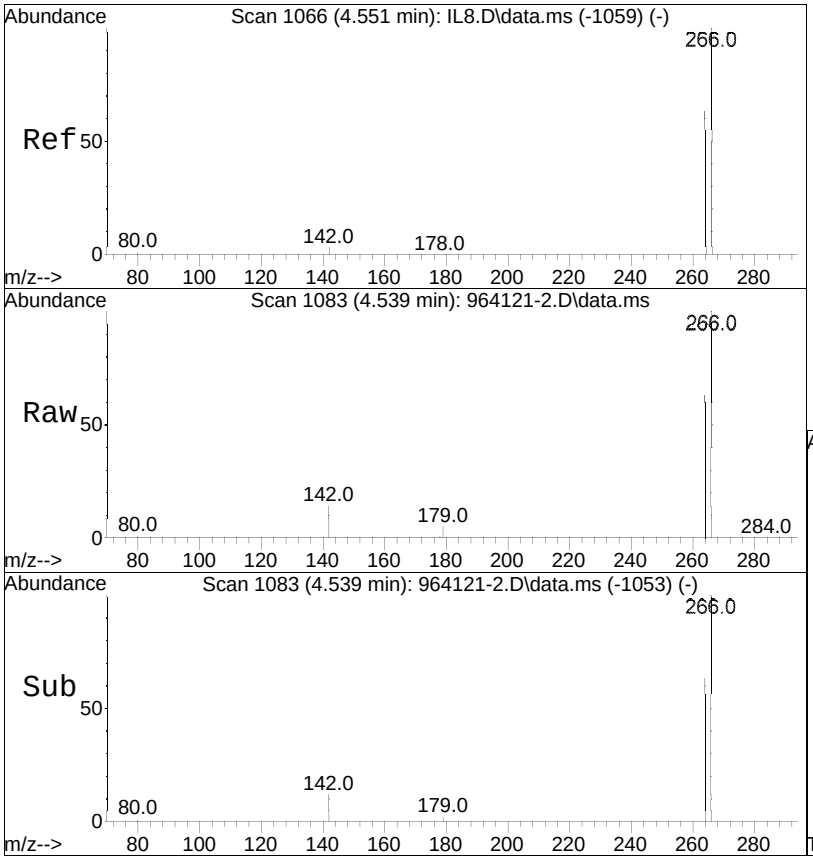


#24
Hexachlorobenzene
Concen: 1484.25 ng/ml
RT: 4.428 min Scan# 1043
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:284 Resp: 164729

Ion	Ratio	Lower	Upper
284	100		
142	35.7	29.4	44.2

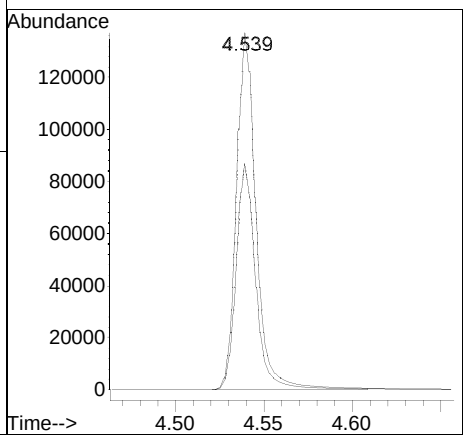


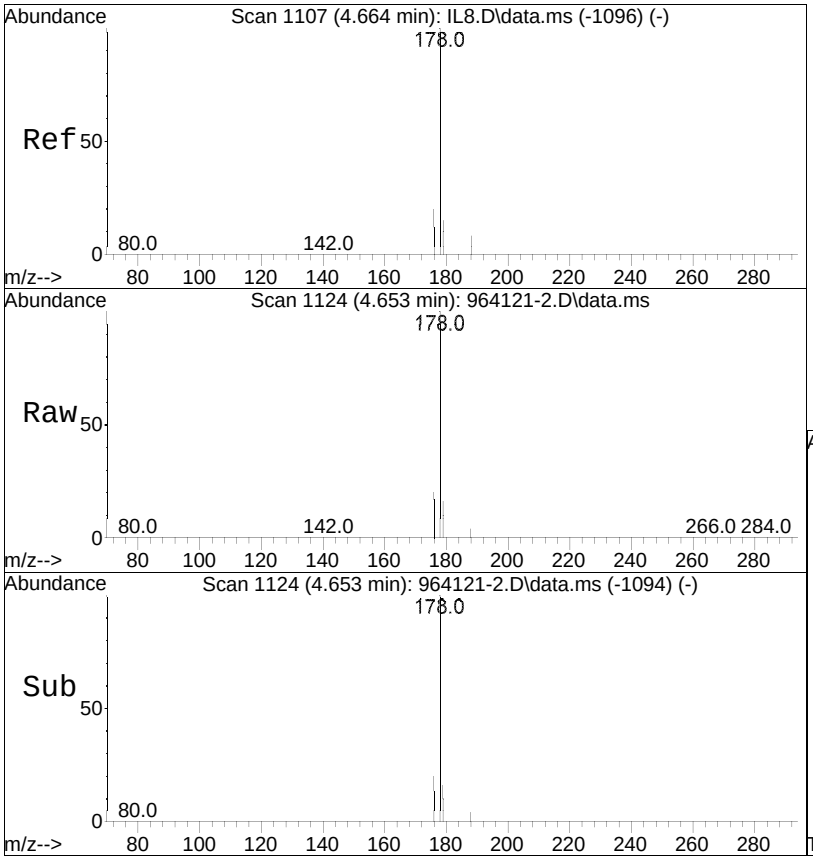


#25
Pentachlorophenol
Concen: 1913.48 ng/ml
RT: 4.539 min Scan# 1083
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:266 Resp: 105285

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.2	75.4

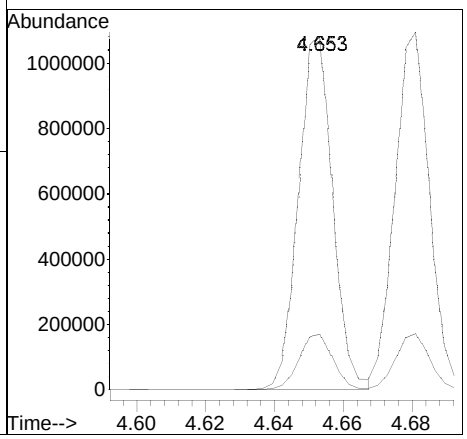


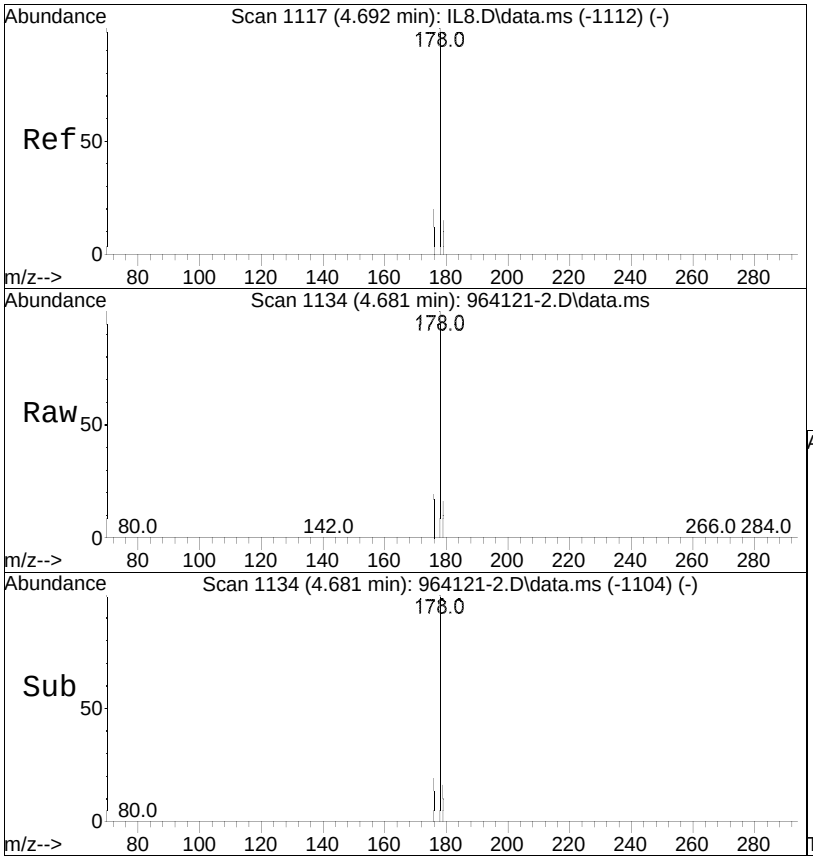


#26
Phenanthrene
Concen: 1587.35 ng/ml
RT: 4.653 min Scan# 1124
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:178 Resp: 746077

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

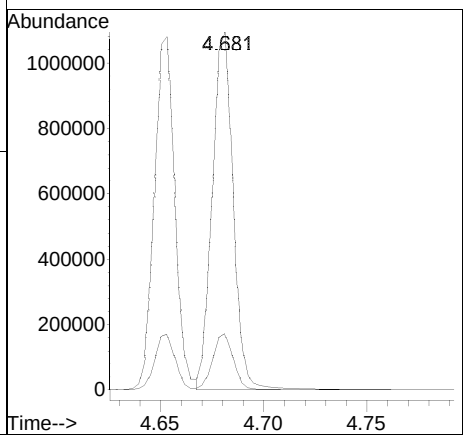


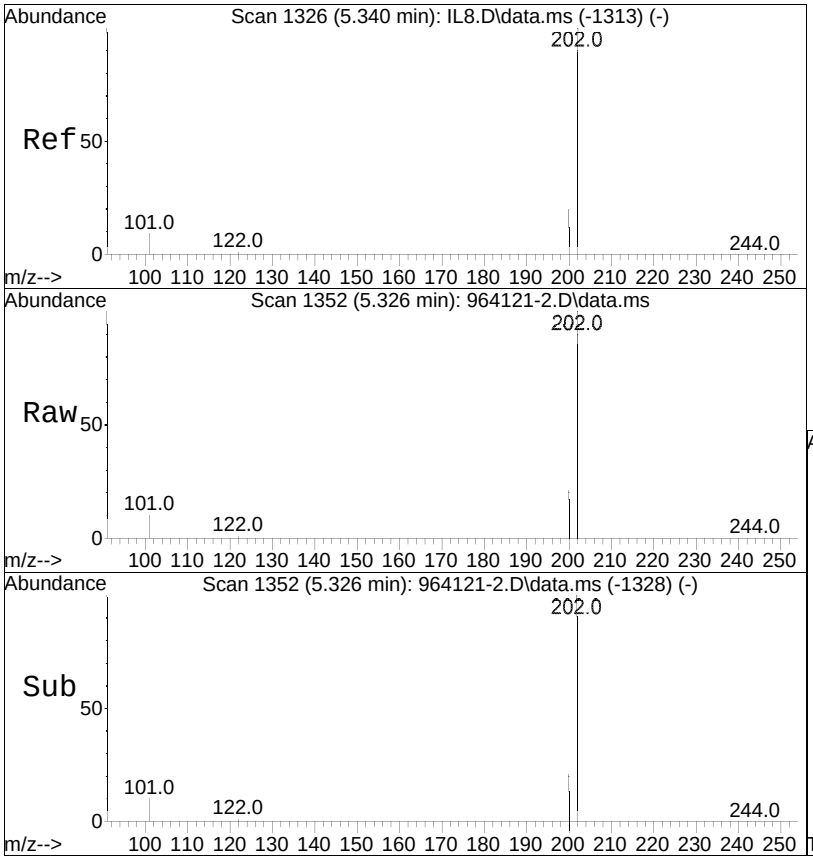


#27
Anthracene
Concen: 1697.92 ng/ml
RT: 4.681 min Scan# 1134
Delta R.T. 0.002 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:178 Resp: 769948

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

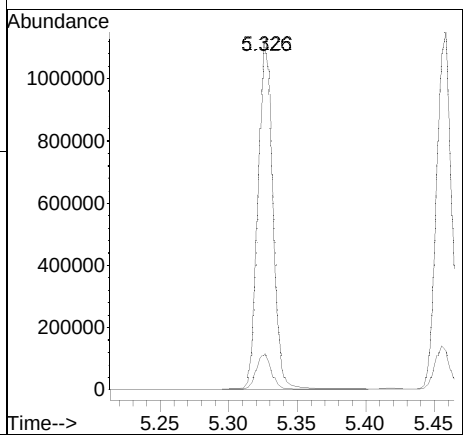


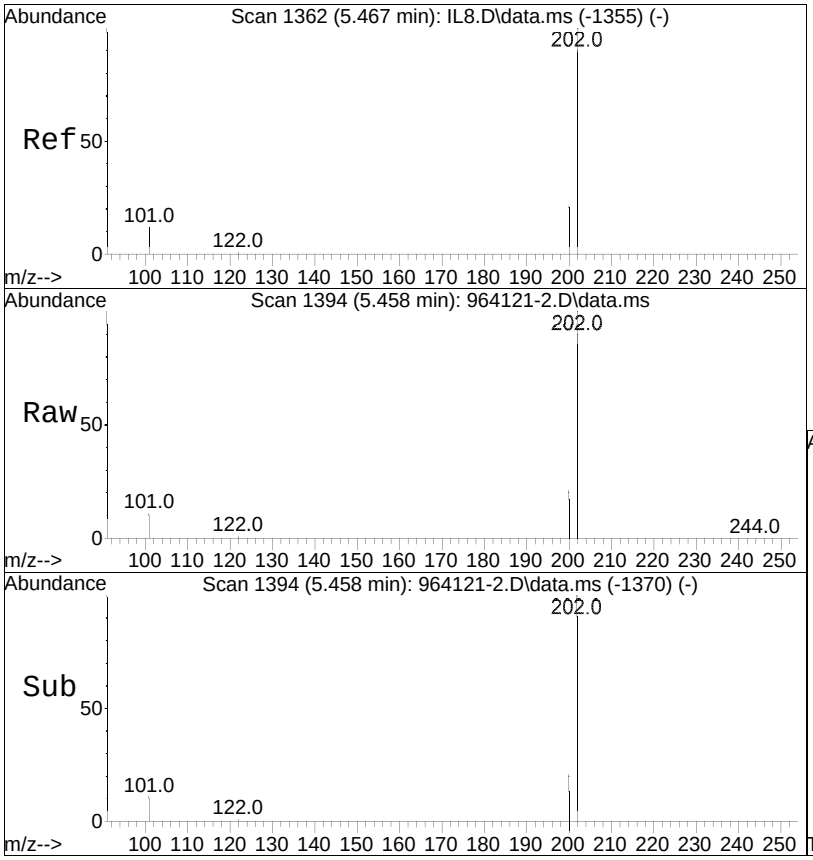


#28
Fluoranthene
Concen: 1684.86 ng/ml
RT: 5.326 min Scan# 1352
Delta R.T. -0.003 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:202 Resp: 855661

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.7	13.1

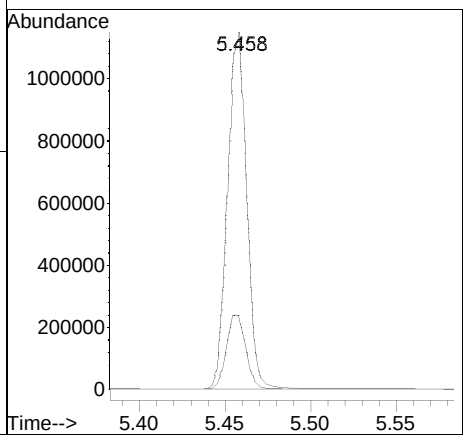


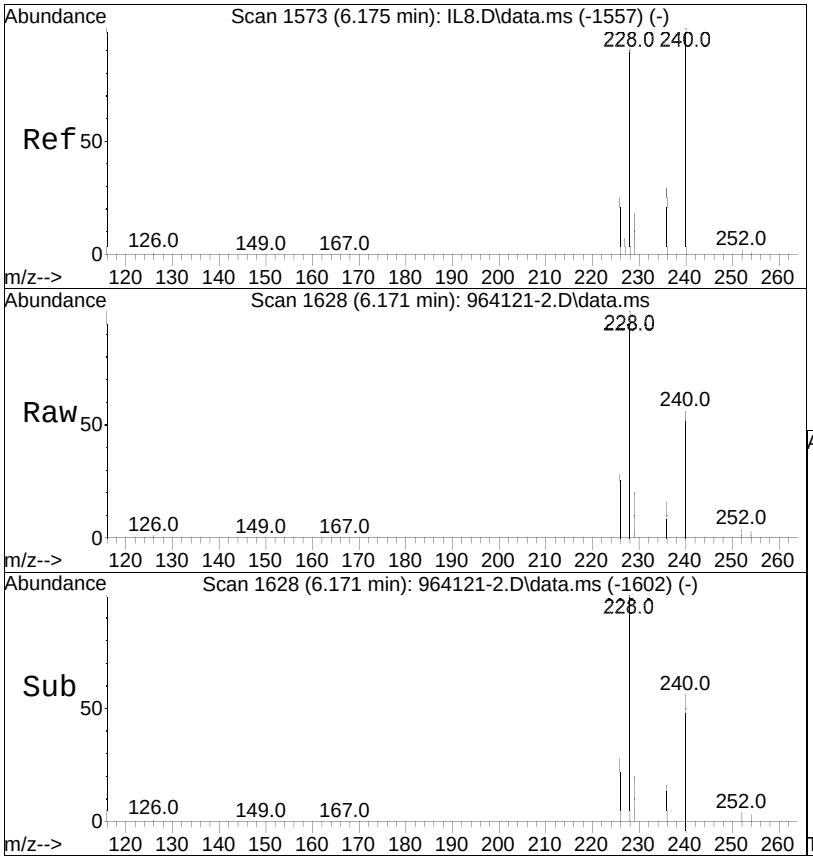


#29
Pyrene
Concen: 1661.48 ng/ml
RT: 5.458 min Scan# 1394
Delta R.T. -0.003 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:202 Resp: 879098

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2

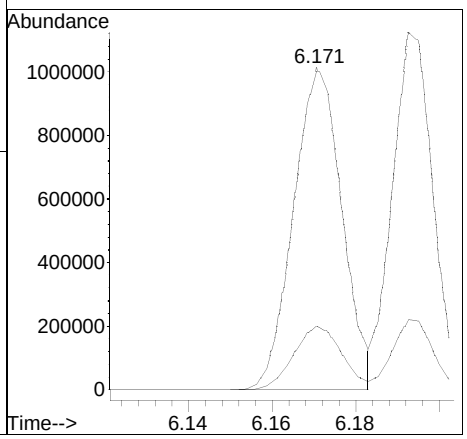


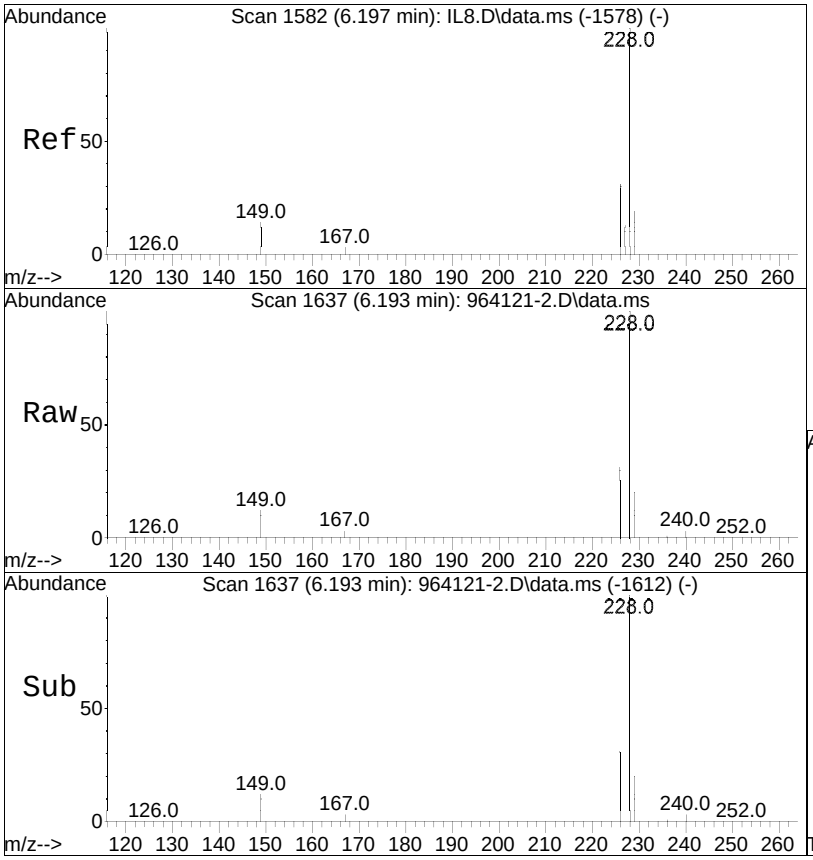


#32
Benzo[a]anthracene
Concen: 1571.28 ng/ml
RT: 6.171 min Scan# 1628
Delta R.T. -0.017 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:228 Resp: 815480

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

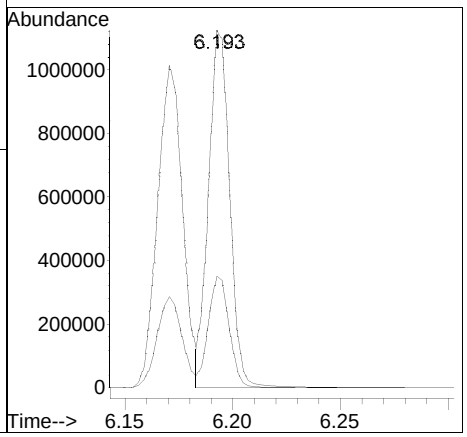


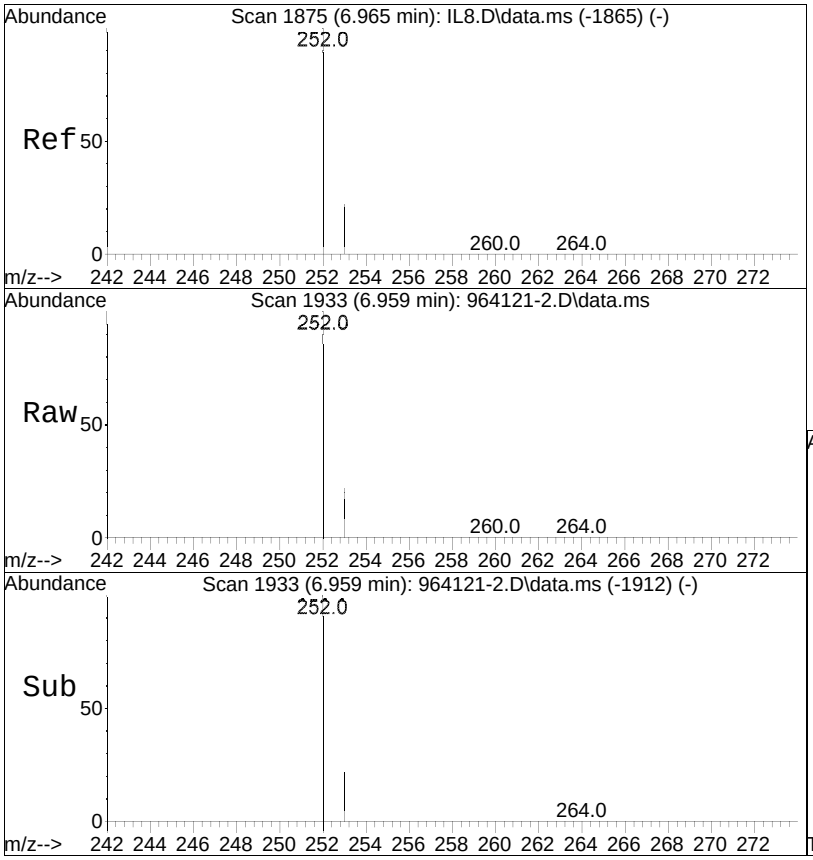


#34
Chrysene
Concen: 1529.49 ng/ml
RT: 6.193 min Scan# 1637
Delta R.T. -0.020 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:228 Resp: 764272

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.7	38.5

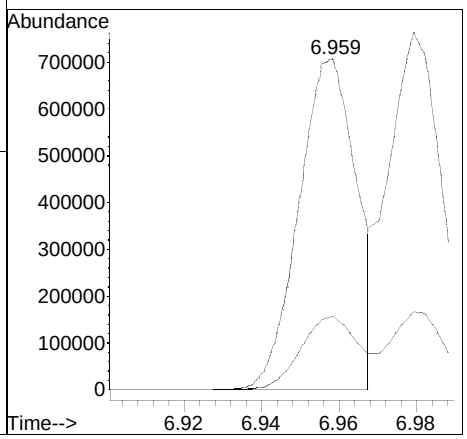


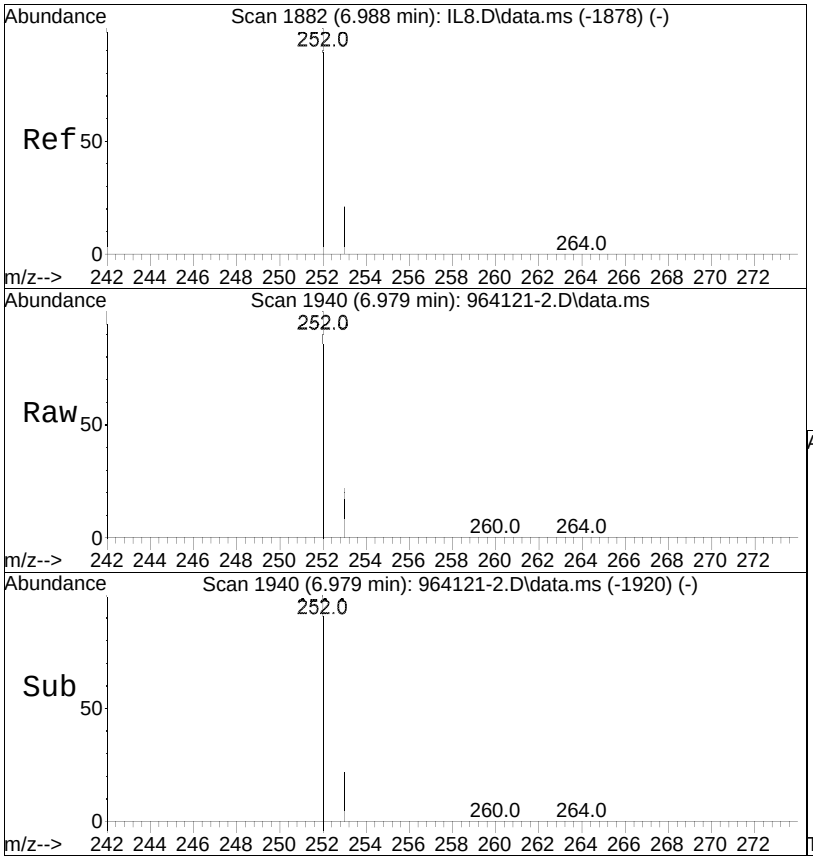


#37
Benzo[b]fluoranthene
Concen: 1657.42 ng/ml
RT: 6.959 min Scan# 1933
Delta R.T. -0.017 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:252 Resp: 734702

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.3	25.9

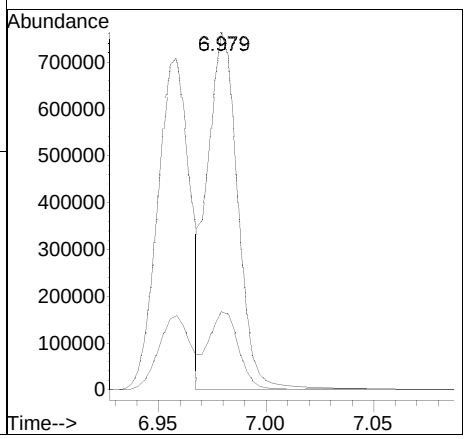


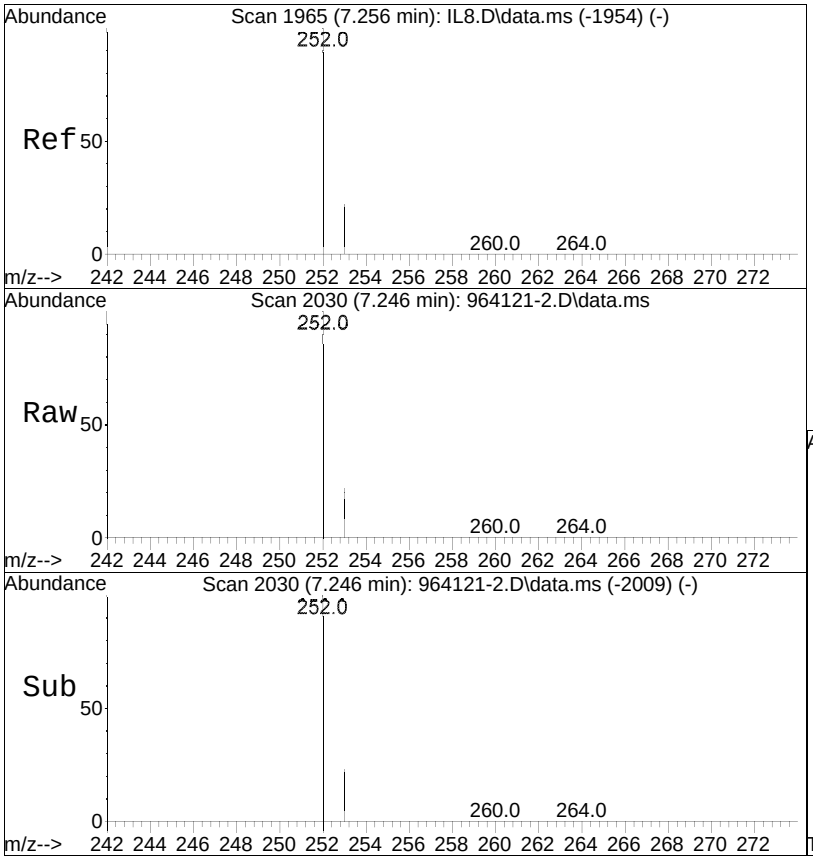


#38
Benzo[k]fluoranthene
Concen: 1771.31 ng/ml
RT: 6.979 min Scan# 1940
Delta R.T. -0.020 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:252 Resp: 739770

Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.6	26.4

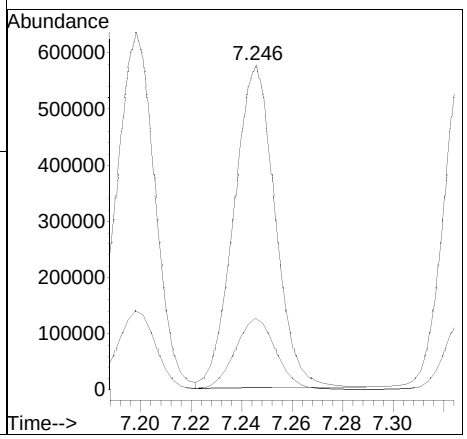


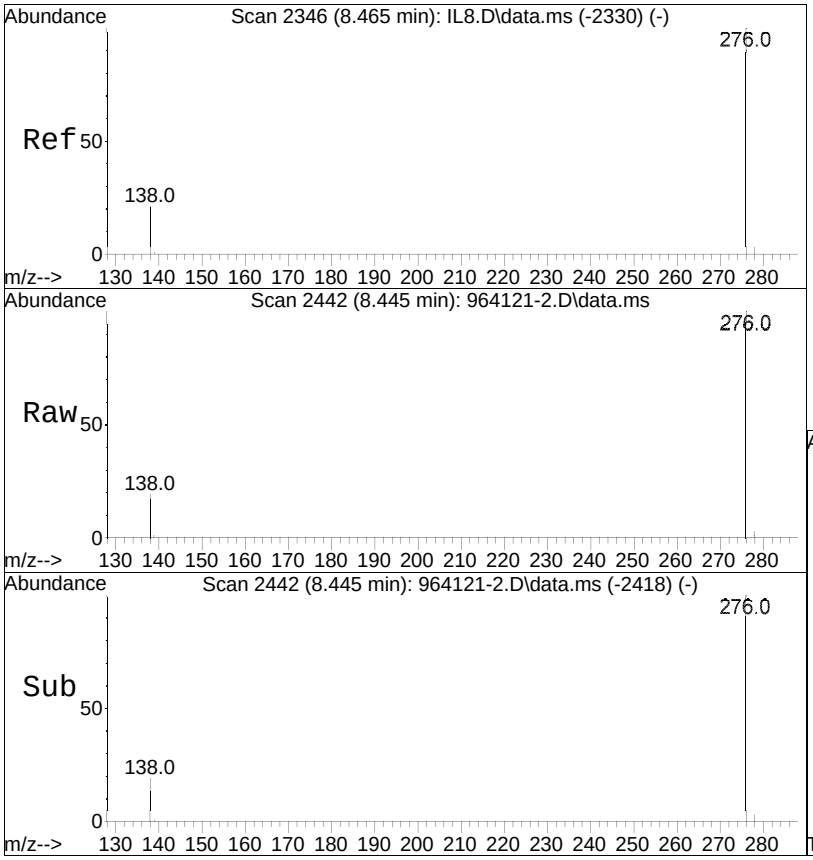


#39
Benzo[a]pyrene
Concen: 1823.41 ng/ml
RT: 7.246 min Scan# 2030
Delta R.T. -0.017 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:252 Resp: 646418

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

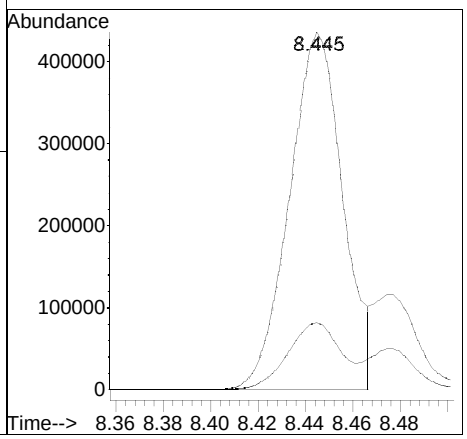


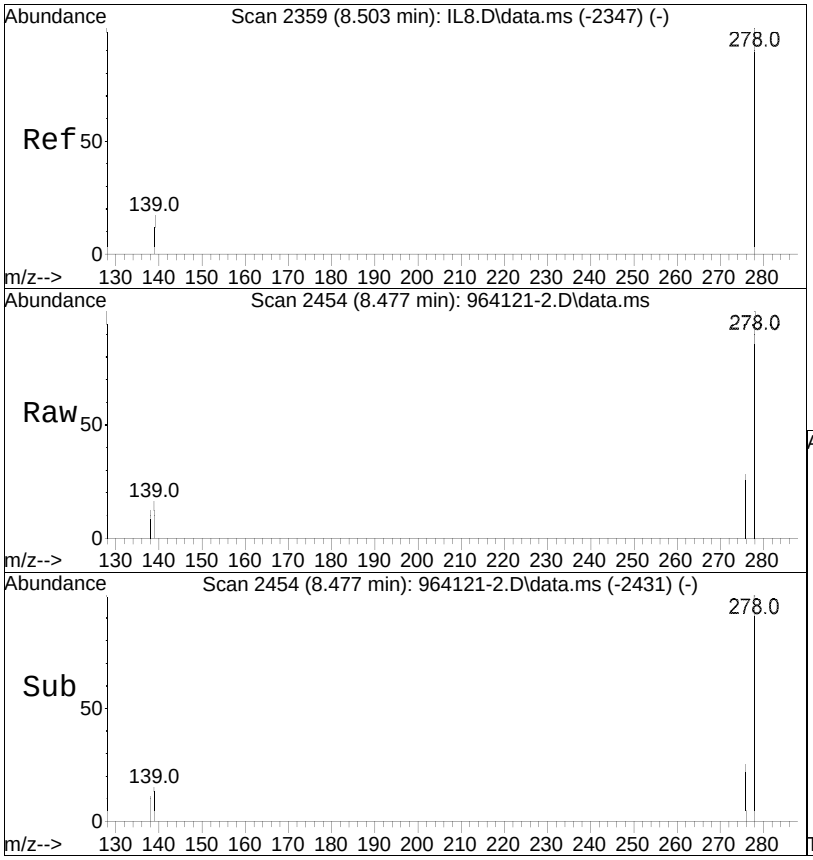


#40
Indeno[1,2,3-cd]pyrene
Concen: 2044.10 ng/ml
RT: 8.445 min Scan# 2442
Delta R.T. -0.016 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:276 Resp: 679035

Ion	Ratio	Lower	Upper
276	100		
138	18.4	17.2	25.8

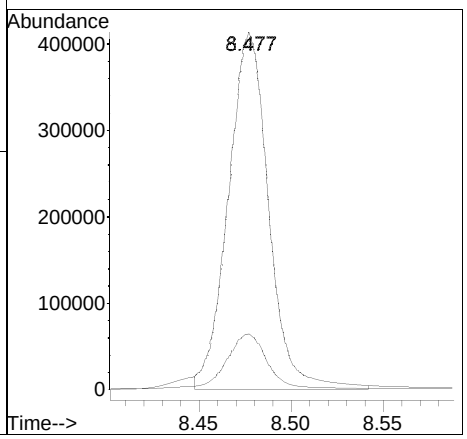


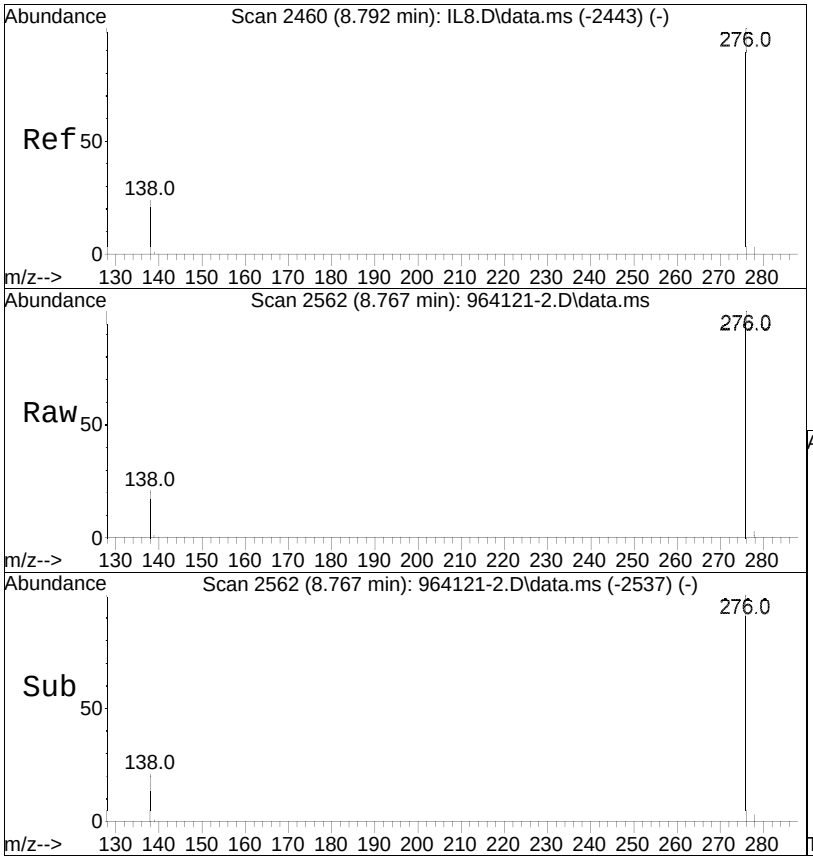


#41
Dibenzo[a,h]anthracene
Concen: 2005.21 ng/ml M6
RT: 8.477 min Scan# 2454
Delta R.T. -0.018 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:278 Resp: 625138

Ion	Ratio	Lower	Upper
278	100		
139	15.8	14.7	22.1

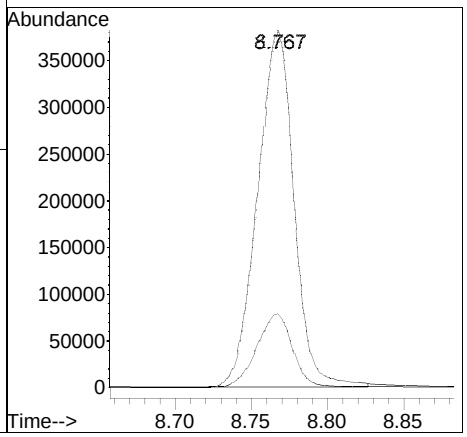




#42
Benzo[g,h,i]perylene
Concen: 1848.88 ng/ml
RT: 8.767 min Scan# 2562
Delta R.T. -0.013 min
Lab File: 964121-2.D
Acq: 27 Aug 2024 09:05 am

Tgt Ion:276 Resp: 627806

Ion	Ratio	Lower	Upper
276	100		
138	20.6	19.0	28.4

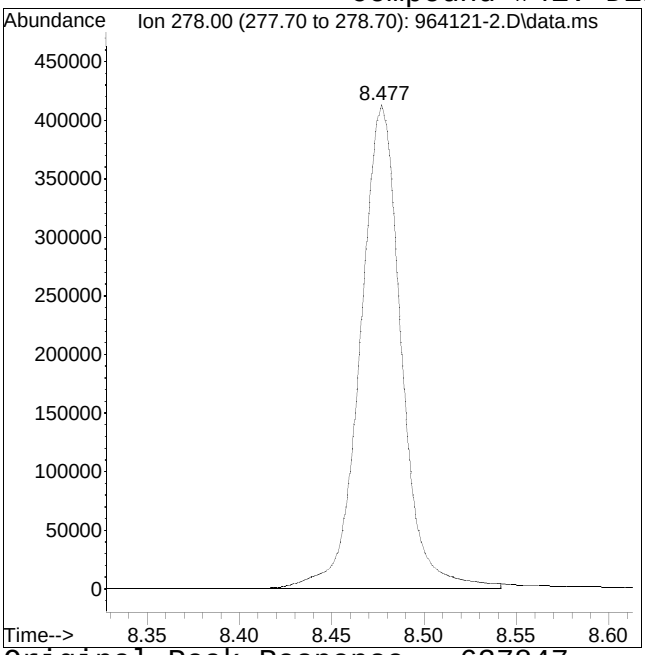


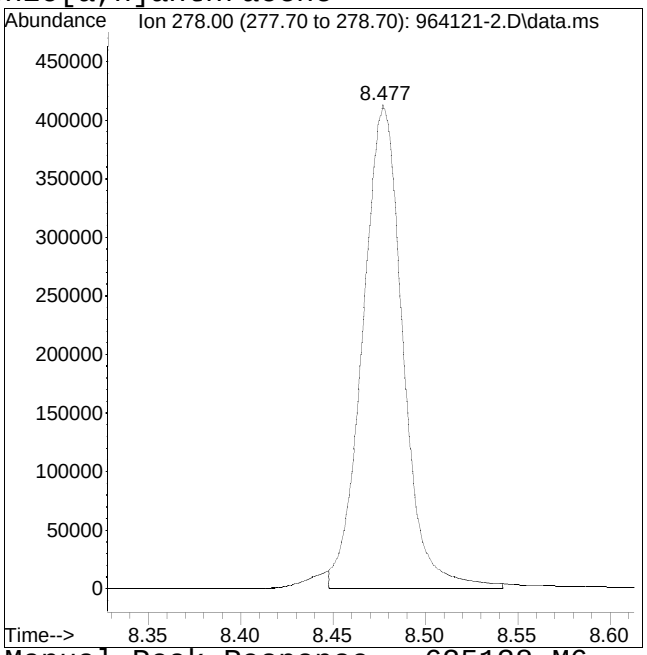
Manual Integration Report

Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : 964121-2.D
Date Inj'd : 8/27/2024 9:05 am
Sample : WG1964121-2,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:29 pm

Compound #41: Dibenzo[a,h]anthracene





Original Peak Response = 637847

Manual Peak Response = 625138 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-3.D
Acq On : 25 Aug 2024 02:03 pm
Operator : sv119:jjw
Sample : WG1963468-3,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 10:25:05 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.304	152	239779	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 81.98%			
8) Naphthalene-d8	2.959	136	889599	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 87.26%			
17) Acenaphthene-d10	3.931	164	501043	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 88.37%			
22) Phenanthrene-d10	4.772	188	1032922	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 85.08%			
31) Chrysene-d12	6.399	240	933165	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 83.74%			
36) Perylene-d12	7.658	264	936448	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 79.58%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.737	112	79461	939.444	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.97%			
3) Phenol-d6	2.118	99	78096	732.056	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.60%			
7) Nitrobenzene-d5	2.579	82	60744	649.134	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.91%			
13) 2-Fluorobiphenyl	3.551	172	157833	686.278	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.63%			
21) 2,4,6-Tribromophenol	4.374	330	60614	1732.633	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 86.63%			
30) 4-Terphenyl-d14	5.717	244	199228	697.710	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 34.89%			
Target Compounds						Qvalue
6) Hexachloroethane	2.558	117	36431	915.770	ng/ml	91
9) Naphthalene	2.970	128	288907	1176.311	ng/ml	100
10) Hexachlorobutadiene	3.041	225	56490	1024.684	ng/ml	100
11) 2-Methylnaphthalene	3.348	142	218584	1184.233	ng/ml	99
14) 2-Chloronaphthalene	3.616	162	247188	1243.008	ng/ml	100
16) Acenaphthylene	3.849	152	384939	1211.594	ng/ml	100
18) Acenaphthene	3.948	153	241106	1378.589	ng/ml	98
20) Fluorene	4.238	166	308136	1336.723	ng/ml	99
24) Hexachlorobenzene	4.557	284	121095	1707.403	ng/ml	92
25) Pentachlorophenol	4.669	266	82650	1796.834	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-3.D
Acq On : 25 Aug 2024 02:03 pm
Operator : sv119:jjw
Sample : WG1963468-3,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 10:25:05 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.786	178	445322	1482.987	ng/ml	99
27) Anthracene	4.813	178	473506	1526.176	ng/ml	99
28) Fluoranthene	5.485	202	573035	1389.758	ng/ml	98
29) Pyrene	5.623	202	574232	1343.945	ng/ml	99
32) Benzo[a]anthracene	6.391	228	535243	1520.102	ng/ml	100
34) Chrysene	6.416	228	495206	1425.848	ng/ml	98
37) Benzo[b]fluoranthene	7.268	252	530197	1366.996	ng/ml	100
38) Benzo[k]fluoranthene	7.292	252	494966	1381.359	ng/ml	99
39) Benzo[a]pyrene	7.589	252	461034	1342.116	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.904	276	572612	1648.974	ng/ml	99
41) Dibenzo[a,h]anthracene	8.944	278	490645M6	1586.153	ng/ml	
42) Benzo[g,h,i]perylene	9.259	276	542202	1587.412	ng/ml	98

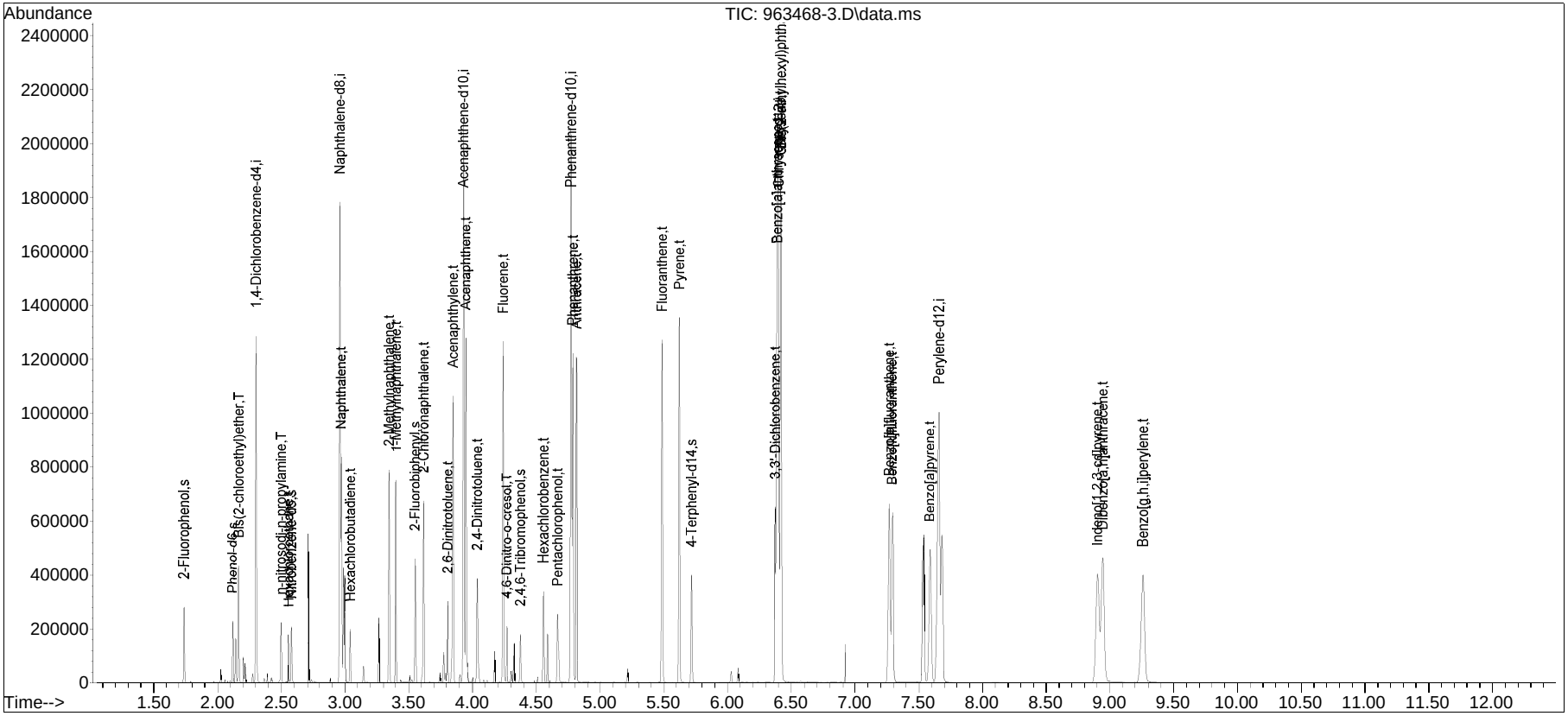
(#) = qualifier out of range (m) = manual integration (+) = signals summed

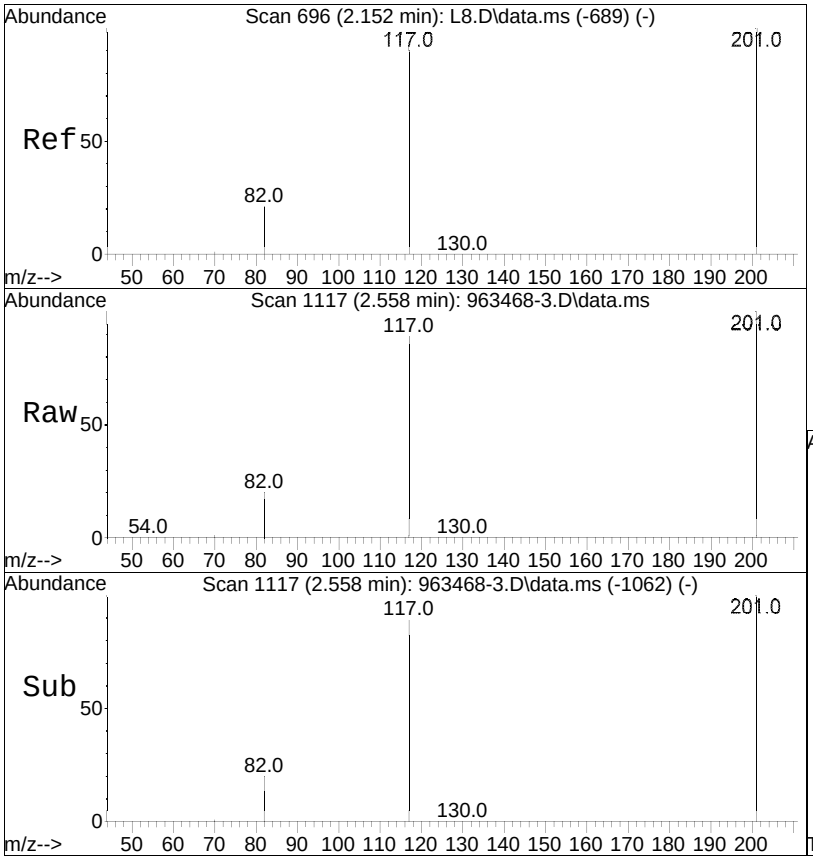
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-3.D
Acq On : 25 Aug 2024 02:03 pm
Operator : sv119:jjw
Sample : WG1963468-3,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 27 10:25:05 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

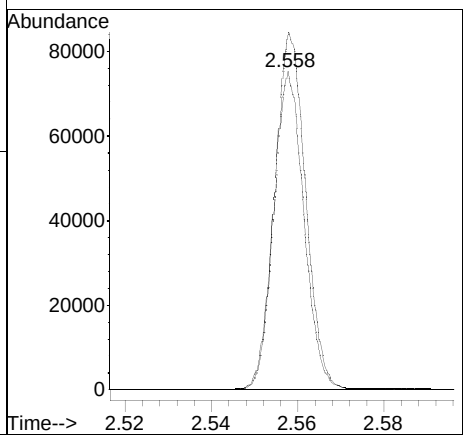


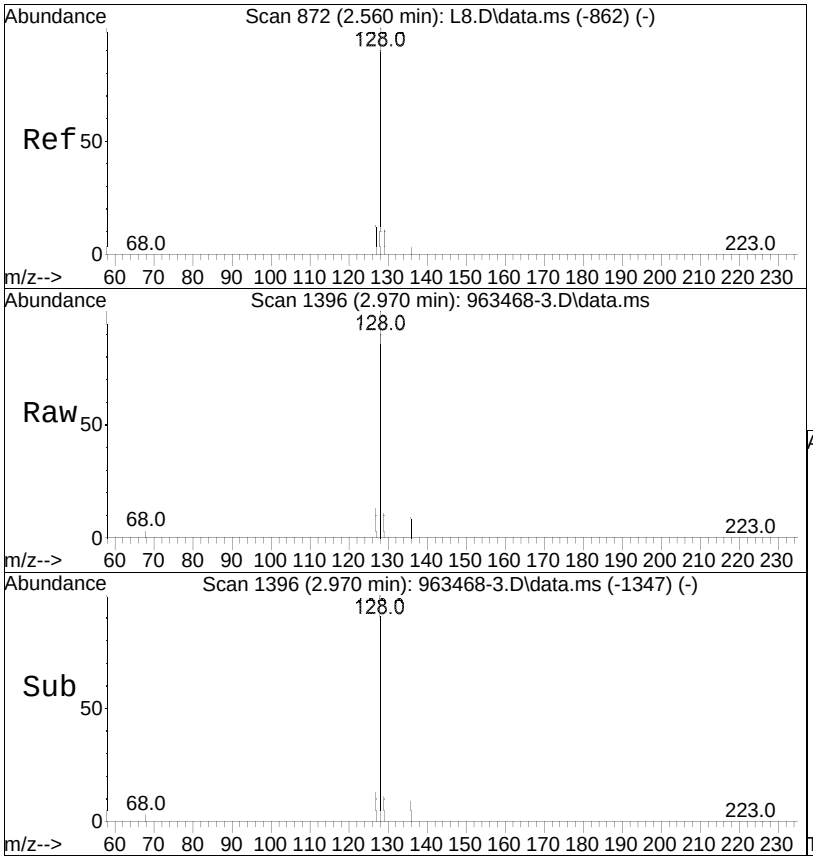


#6
Hexachloroethane
Concen: 915.77 ng/ml
RT: 2.558 min Scan# 1117
Delta R.T. -0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:117 Resp: 36431

Ion	Ratio	Lower	Upper
117	100		
201	113.0	83.0	124.6

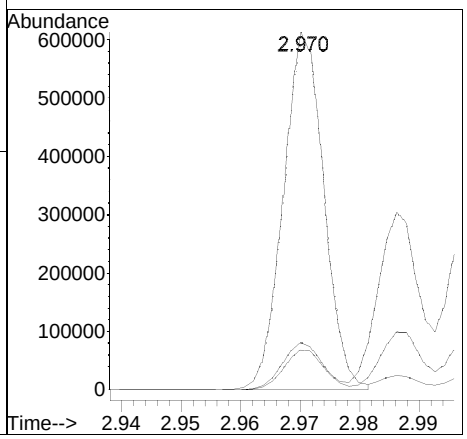


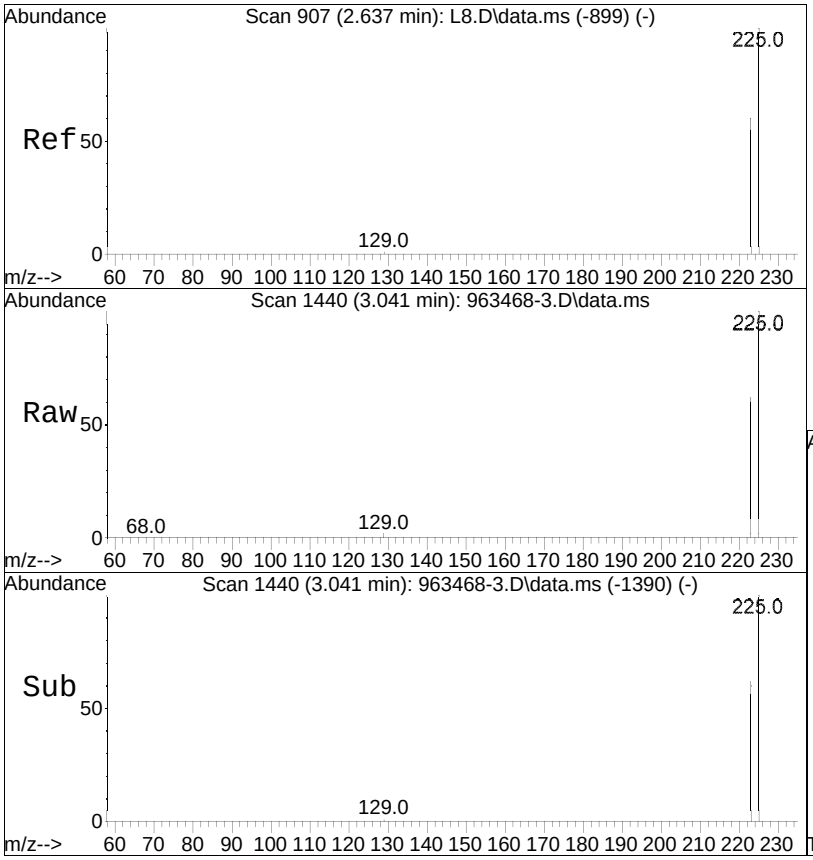


#9
Naphthalene
Concen: 1176.31 ng/ml
RT: 2.970 min Scan# 1396
Delta R.T. -0.002 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:128 Resp: 288907

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.4	10.6	15.8

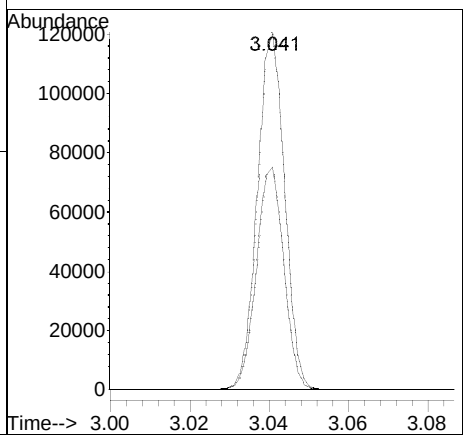


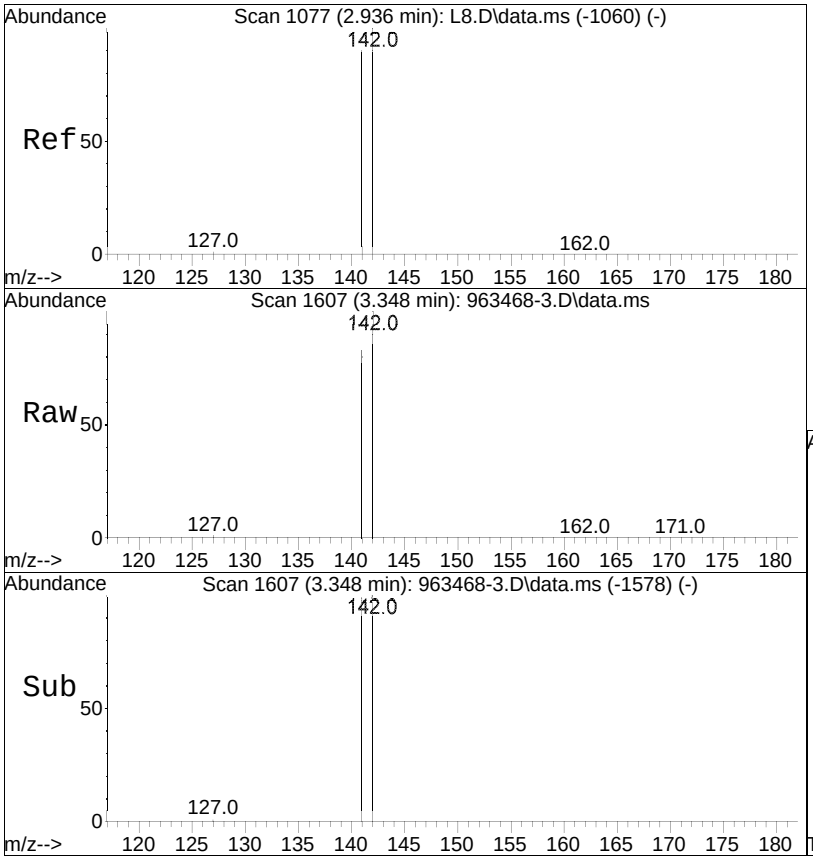


#10
Hexachlorobutadiene
Concen: 1024.68 ng/ml
RT: 3.041 min Scan# 1440
Delta R.T. -0.000 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:225 Resp: 56490

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

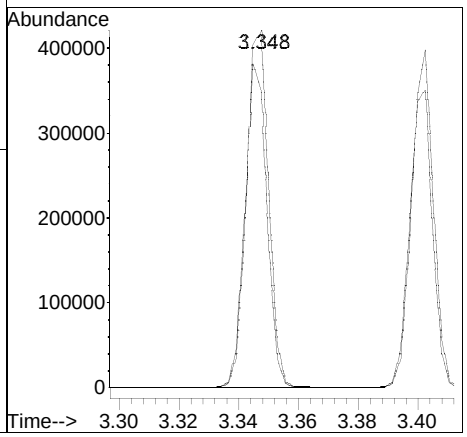


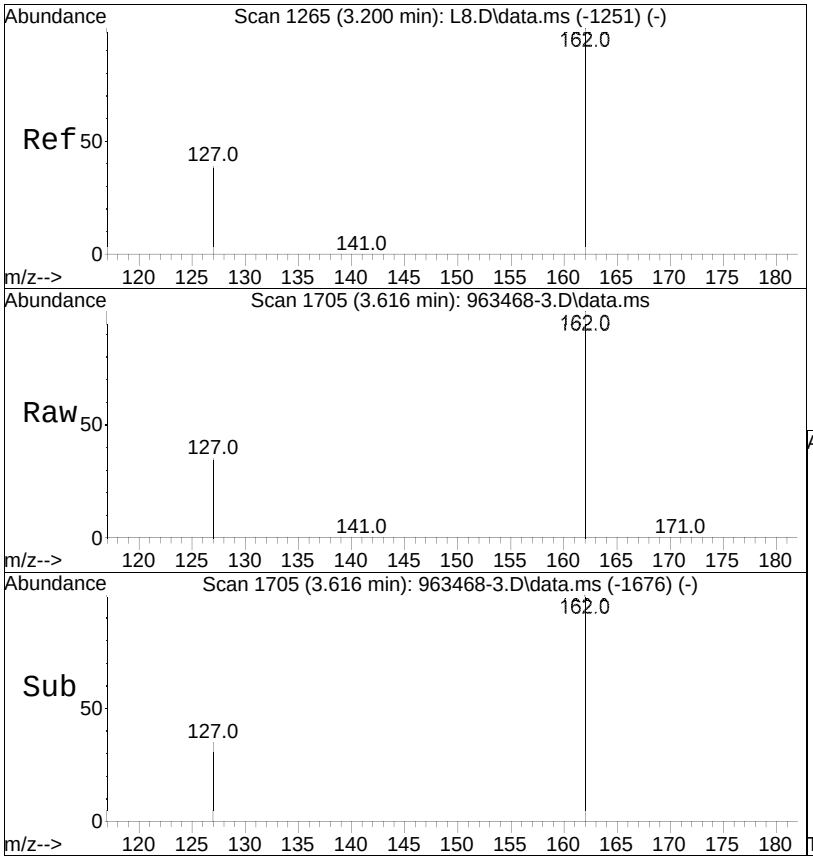


#11
2-Methylnaphthalene
Concen: 1184.23 ng/ml
RT: 3.348 min Scan# 1607
Delta R.T. -0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:142 Resp: 218584

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.3	108.5

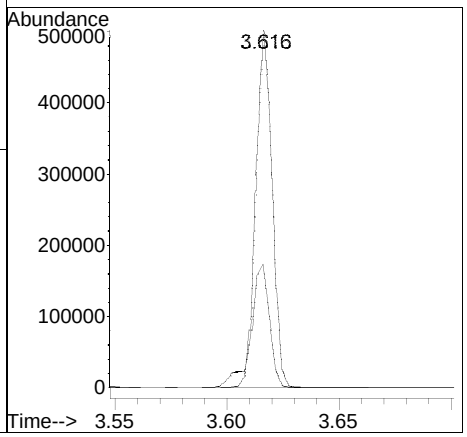


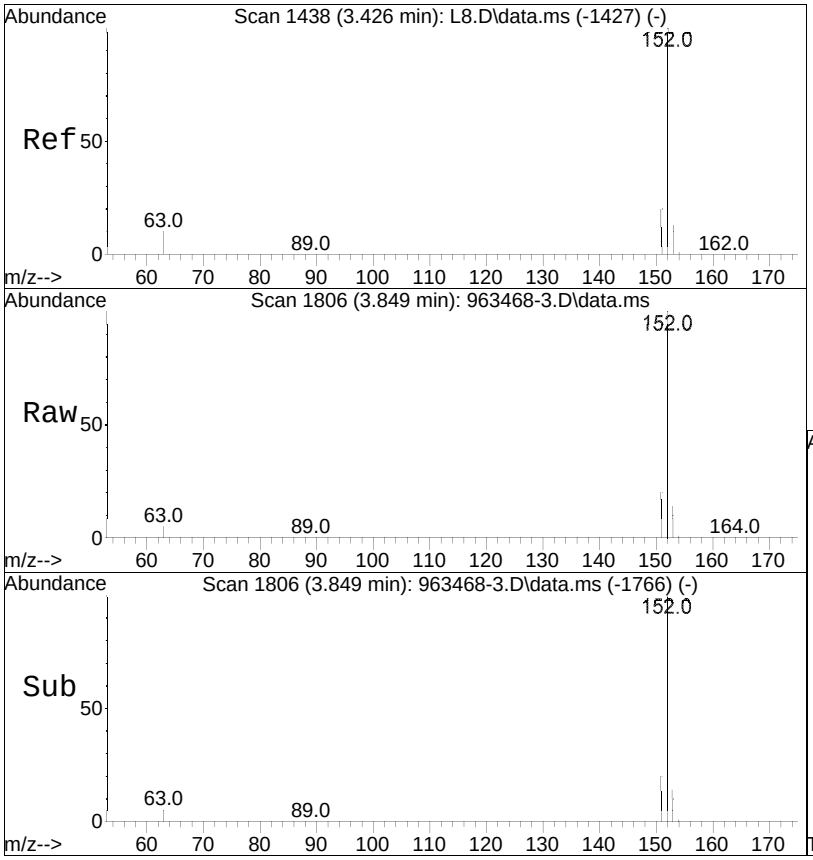


#14
2-Chloronaphthalene
Concen: 1243.01 ng/ml
RT: 3.616 min Scan# 1705
Delta R.T. -0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:162 Resp: 247188

Ion	Ratio	Lower	Upper
162	100		
127	39.9	32.0	48.0

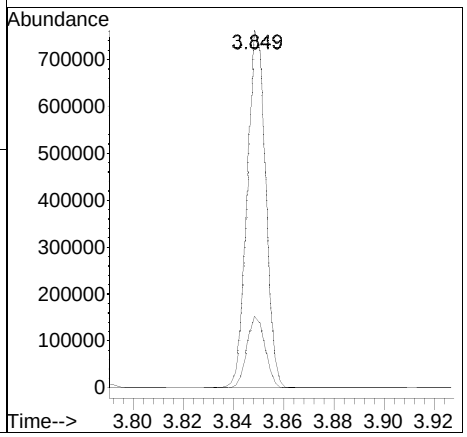


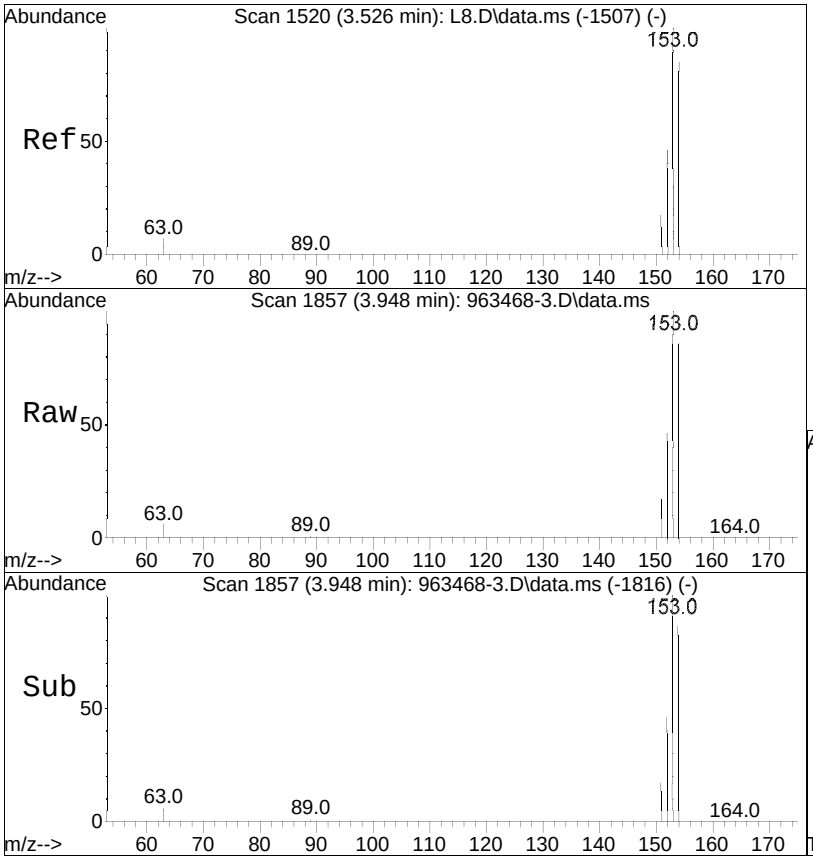


#16
Acenaphthylene
Concen: 1211.59 ng/ml
RT: 3.849 min Scan# 1806
Delta R.T. -0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:152 Resp: 384939

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

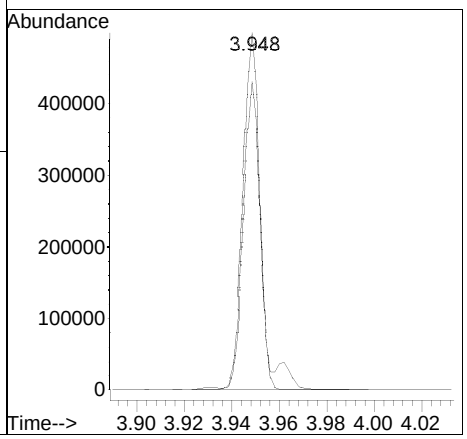


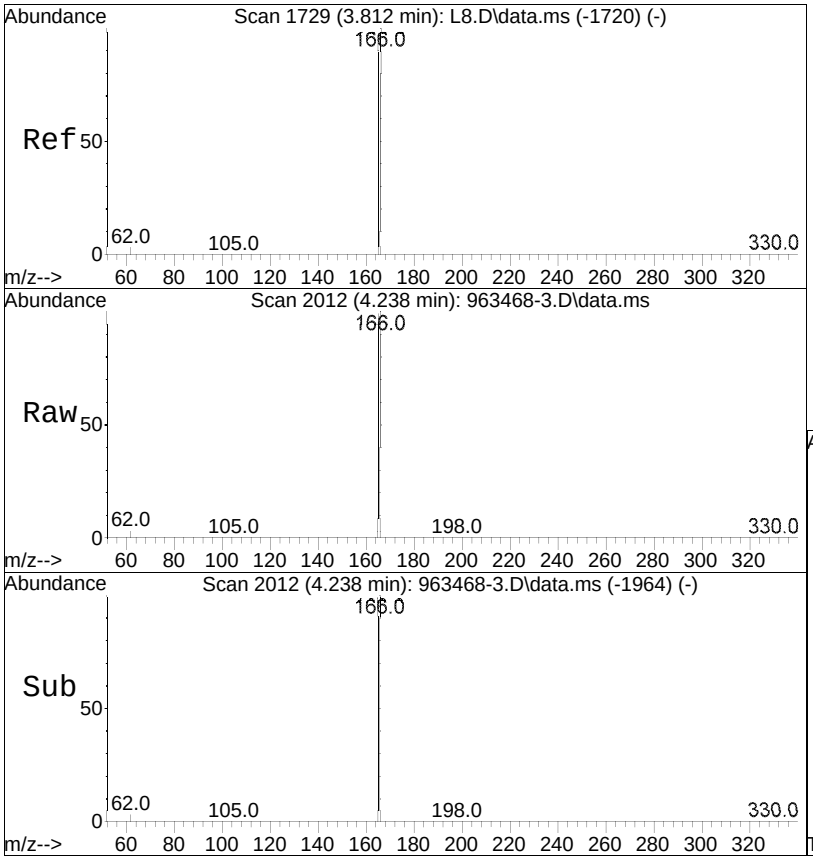


#18
Acenaphthene
Concen: 1378.59 ng/ml
RT: 3.948 min Scan# 1857
Delta R.T. 0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:153 Resp: 241106

Ion	Ratio	Lower	Upper
153	100		
154	86.6	68.1	102.1

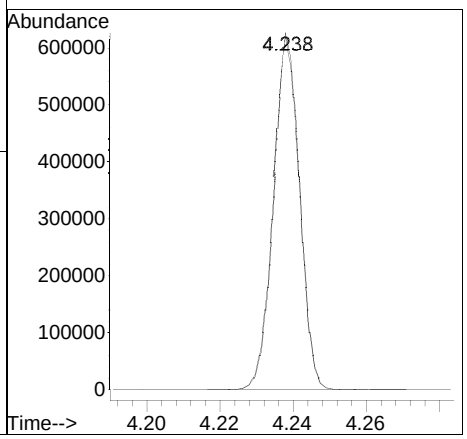


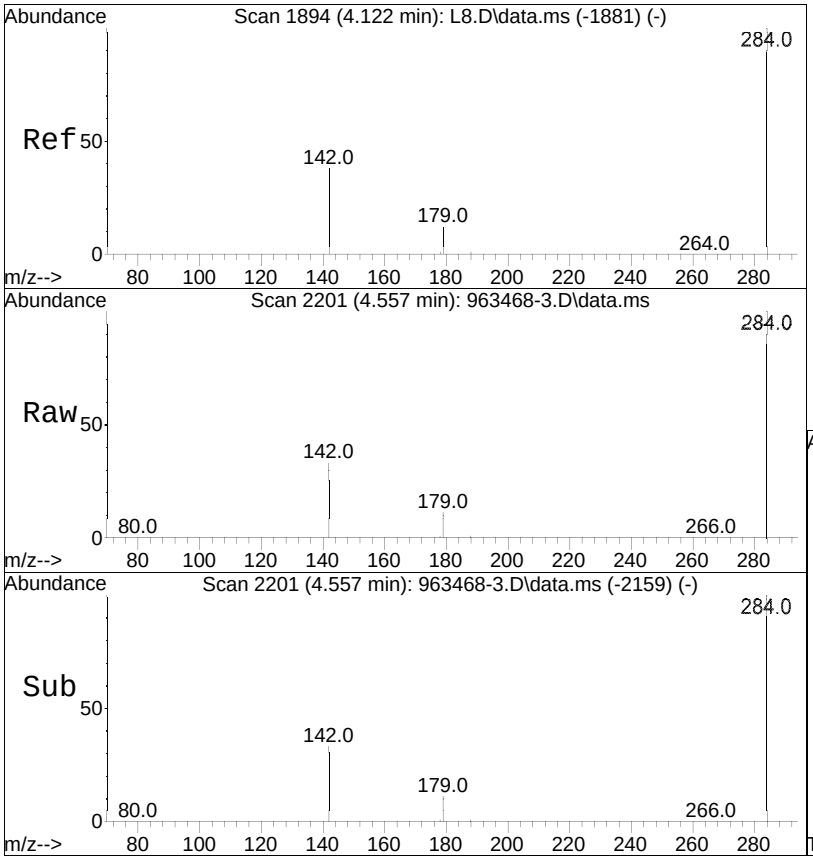


#20
Fluorene
Concen: 1336.72 ng/ml
RT: 4.238 min Scan# 2012
Delta R.T. 0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:166 Resp: 308136

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.3	118.9

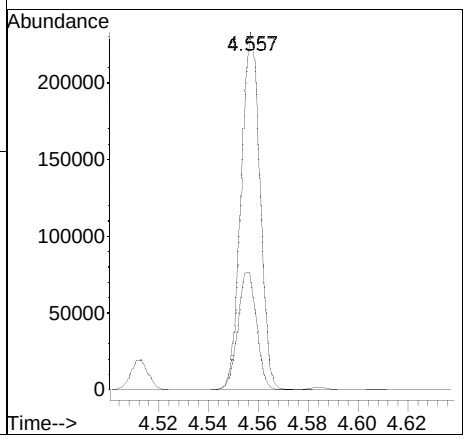


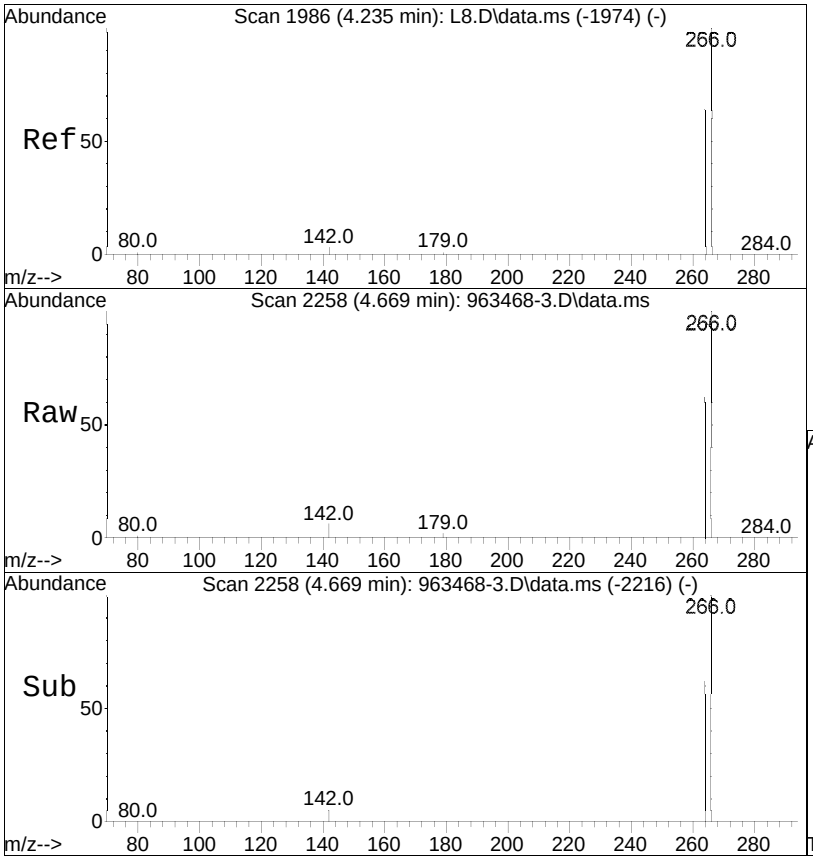


#24
Hexachlorobenzene
Concen: 1707.40 ng/ml
RT: 4.557 min Scan# 2201
Delta R.T. 0.001 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:284 Resp: 121095

Ion	Ratio	Lower	Upper
284	100		
142	32.8	30.0	45.0

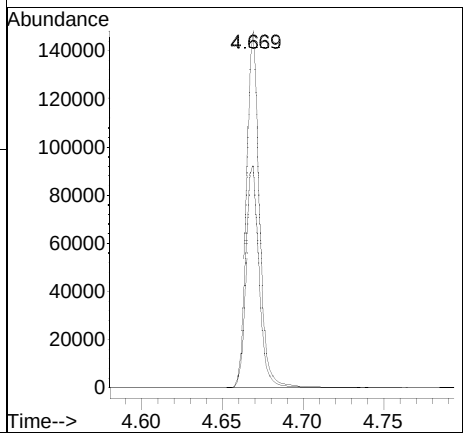


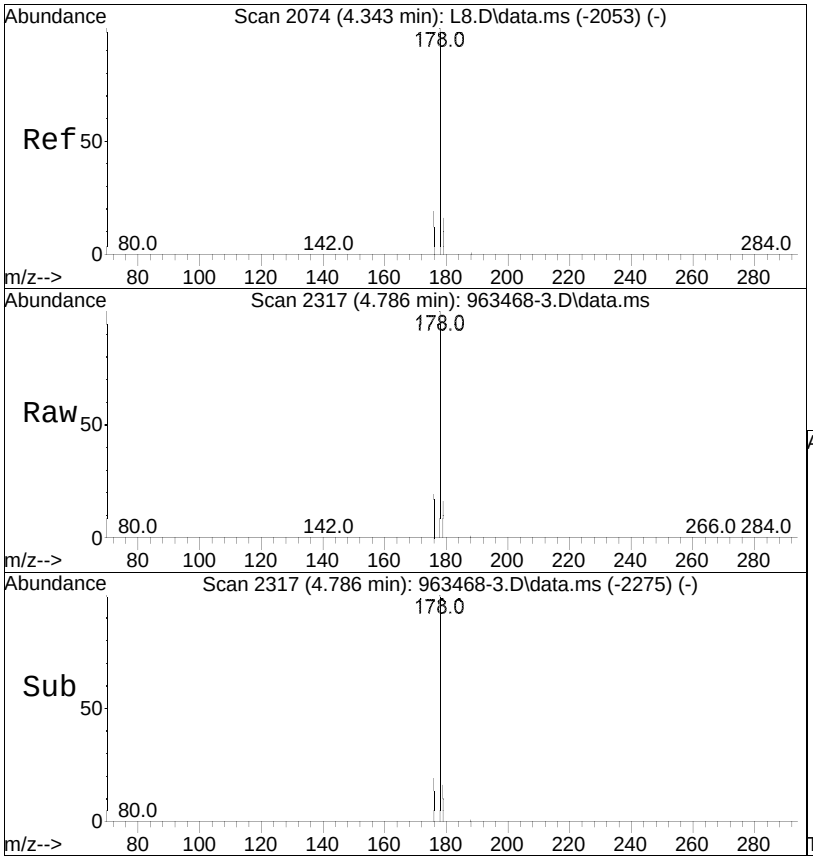


#25
Pentachlorophenol
Concen: 1796.83 ng/ml
RT: 4.669 min Scan# 2258
Delta R.T. 0.002 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:266 Resp: 82650

Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.9	74.9

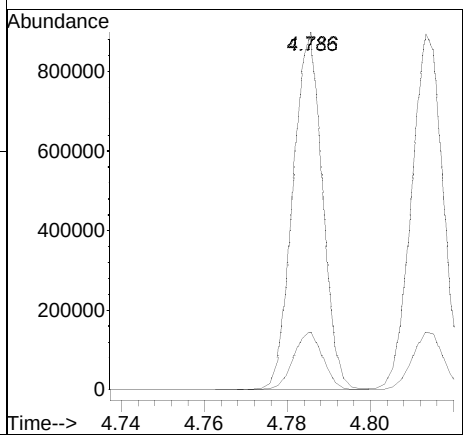


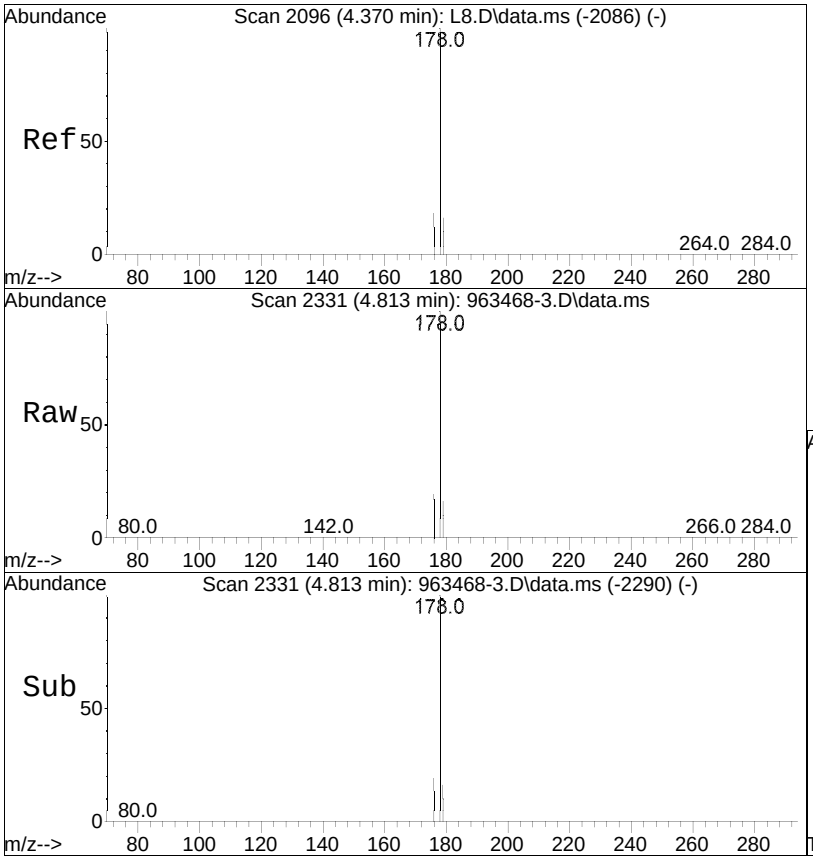


#26
Phenanthrene
Concen: 1482.99 ng/ml
RT: 4.786 min Scan# 2317
Delta R.T. 0.002 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:178 Resp: 445322

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	18.8

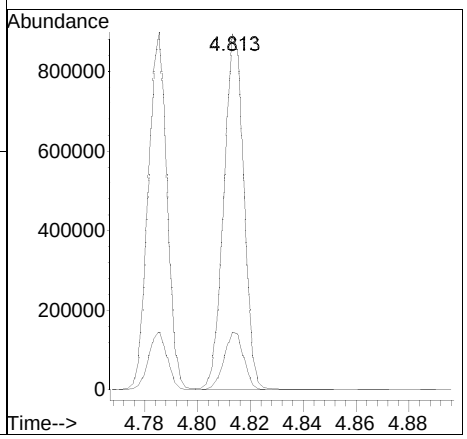


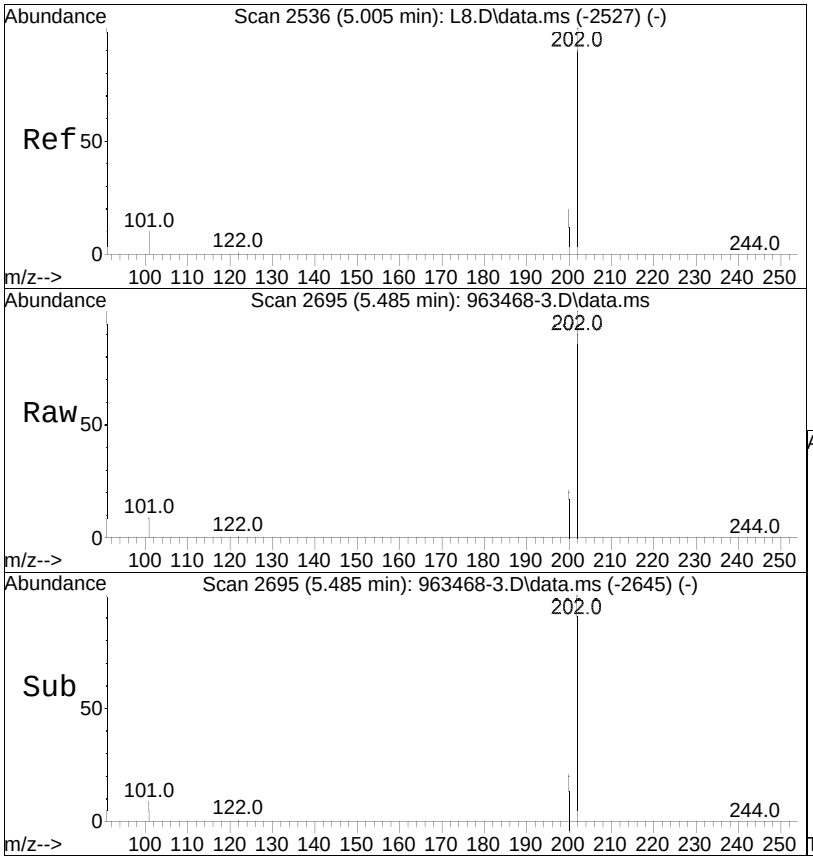


#27
Anthracene
Concen: 1526.18 ng/ml
RT: 4.813 min Scan# 2331
Delta R.T. 0.000 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:178 Resp: 473506

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6

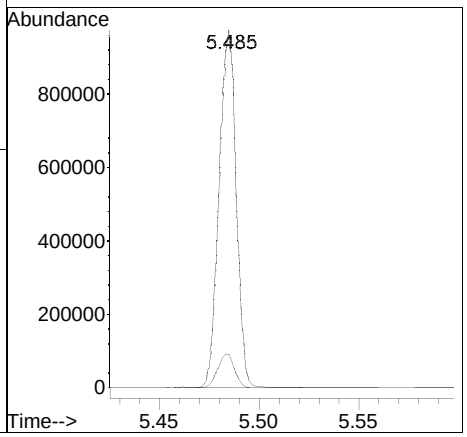


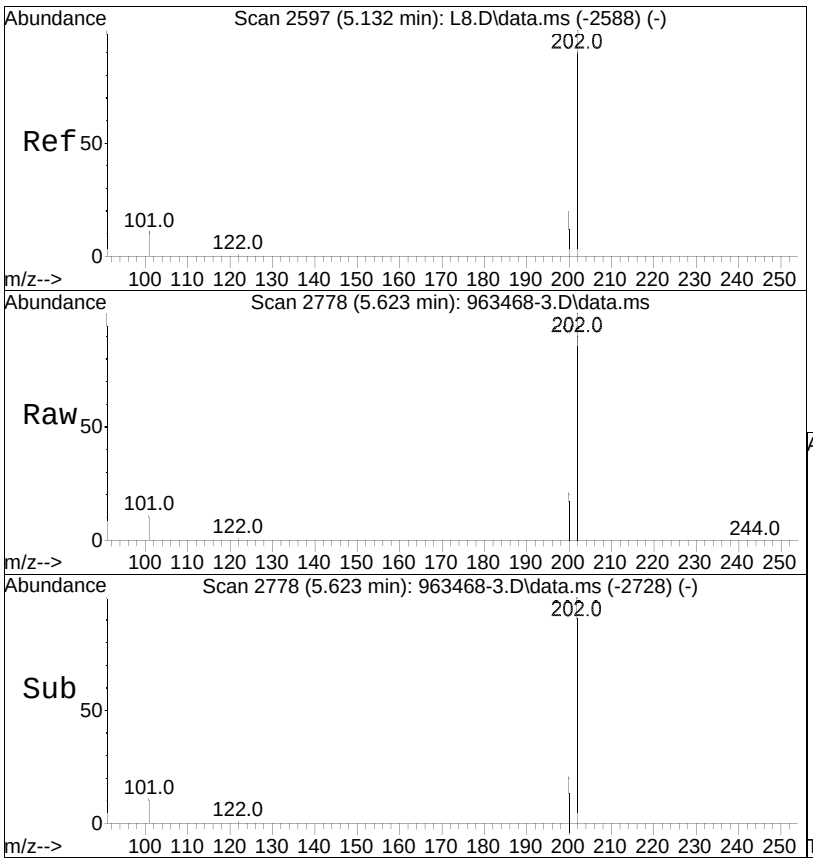


#28
Fluoranthene
Concen: 1389.76 ng/ml
RT: 5.485 min Scan# 2695
Delta R.T. 0.004 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:202 Resp: 573035

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.1	12.1

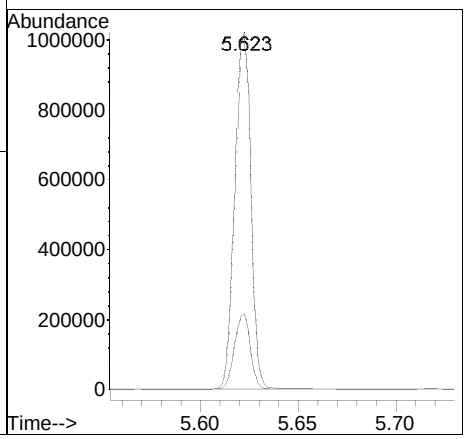


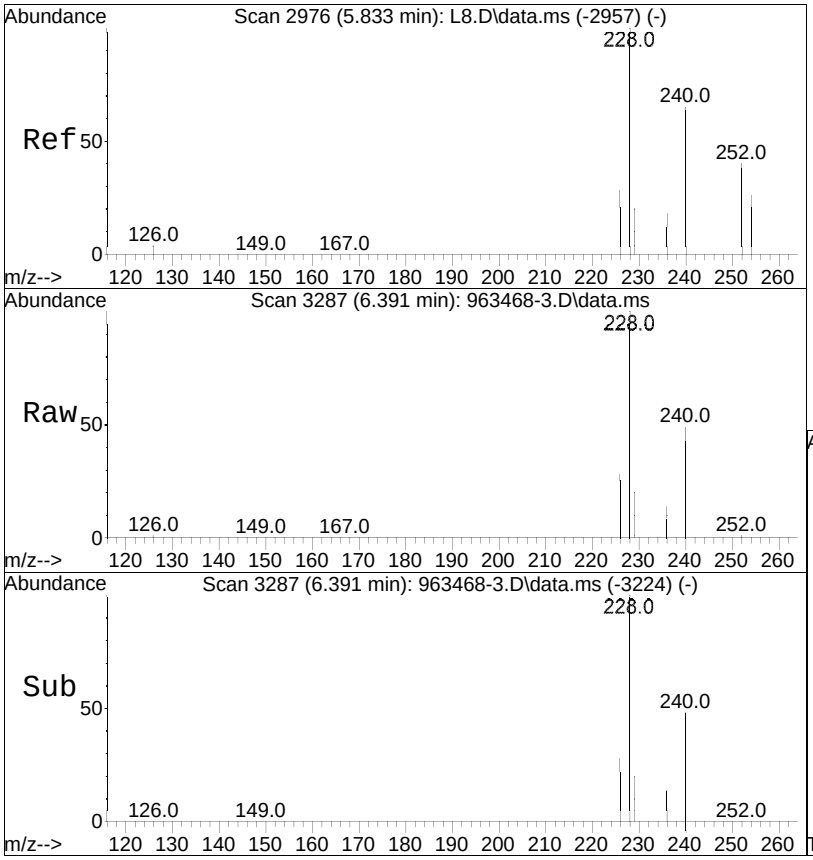


#29
Pyrene
Concen: 1343.94 ng/ml
RT: 5.623 min Scan# 2778
Delta R.T. 0.004 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:202 Resp: 574232

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.5	24.7

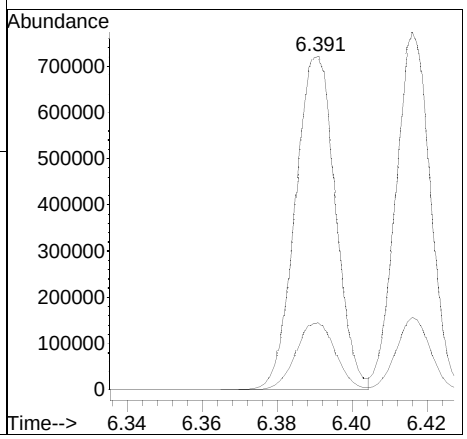


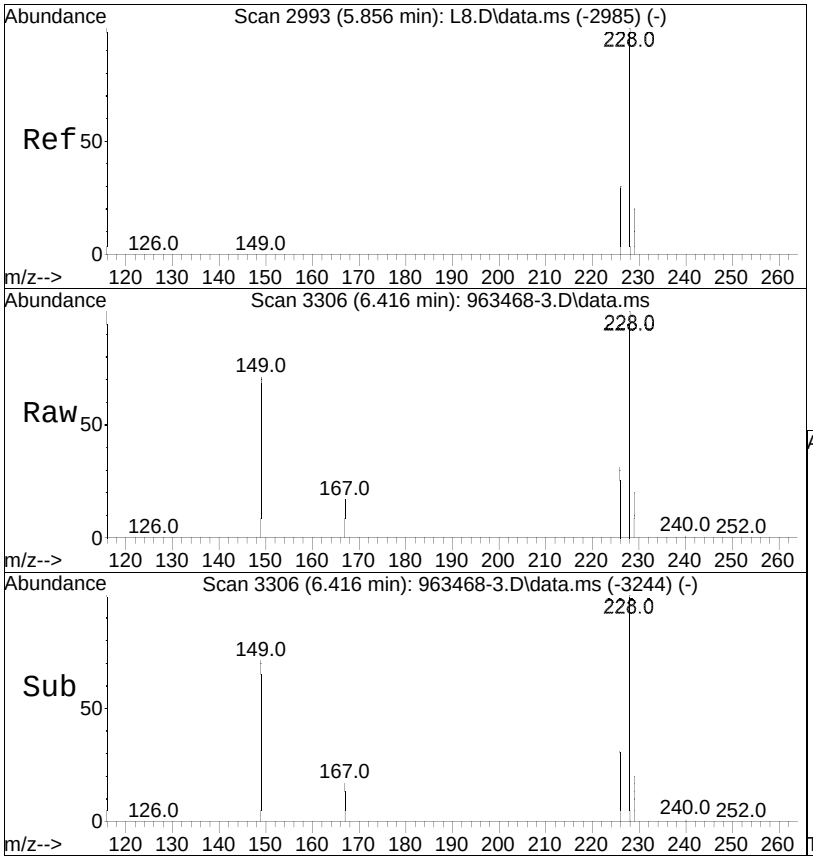


#32
Benzo[a]anthracene
Concen: 1520.10 ng/ml
RT: 6.391 min Scan# 3287
Delta R.T. 0.003 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:228 Resp: 535243

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

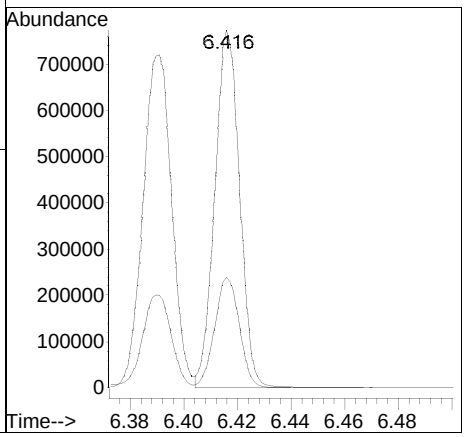


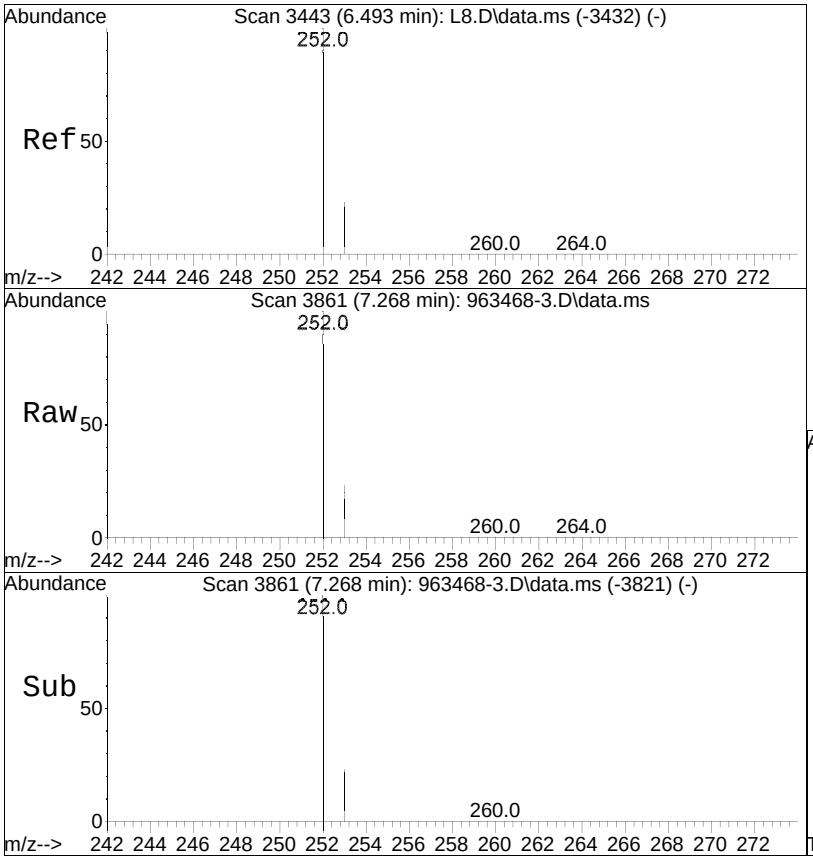


#34
Chrysene
Concen: 1425.85 ng/ml
RT: 6.416 min Scan# 3306
Delta R.T. 0.002 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:228 Resp: 495206

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9

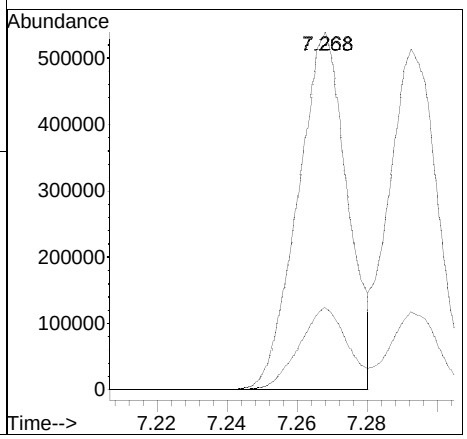


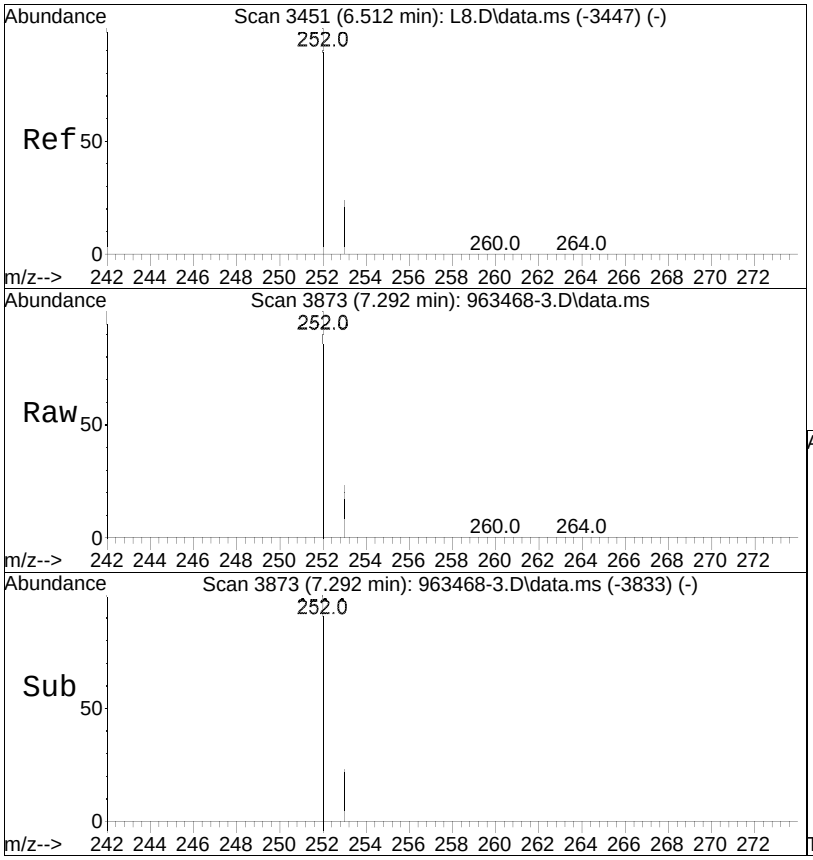


#37
Benzo[b]fluoranthene
Concen: 1367.00 ng/ml
RT: 7.268 min Scan# 3861
Delta R.T. 0.003 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:252 Resp: 530197

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0

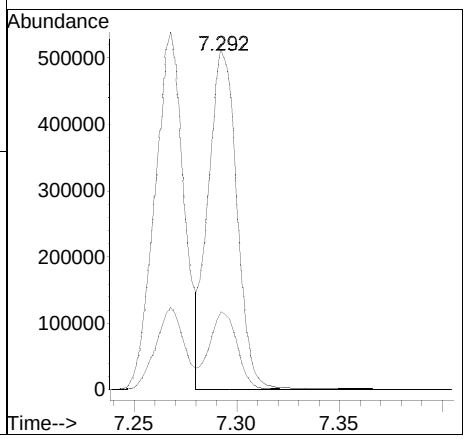


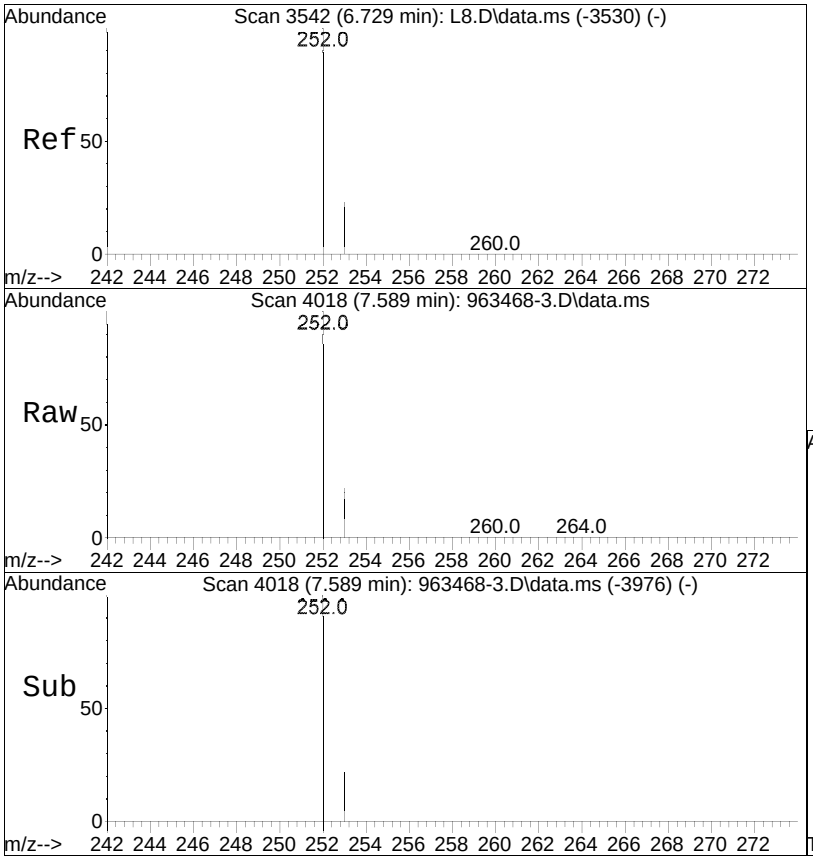


#38
Benzo[k]fluoranthene
Concen: 1381.36 ng/ml
RT: 7.292 min Scan# 3873
Delta R.T. 0.003 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:252 Resp: 494966

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.3	27.5

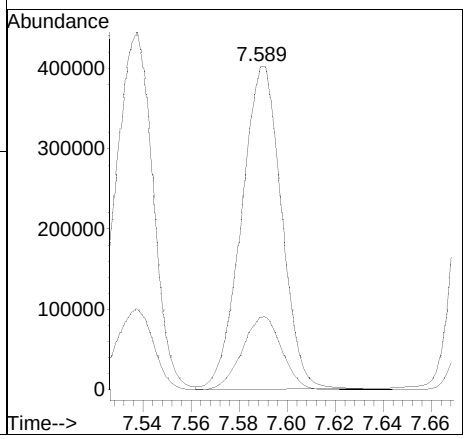


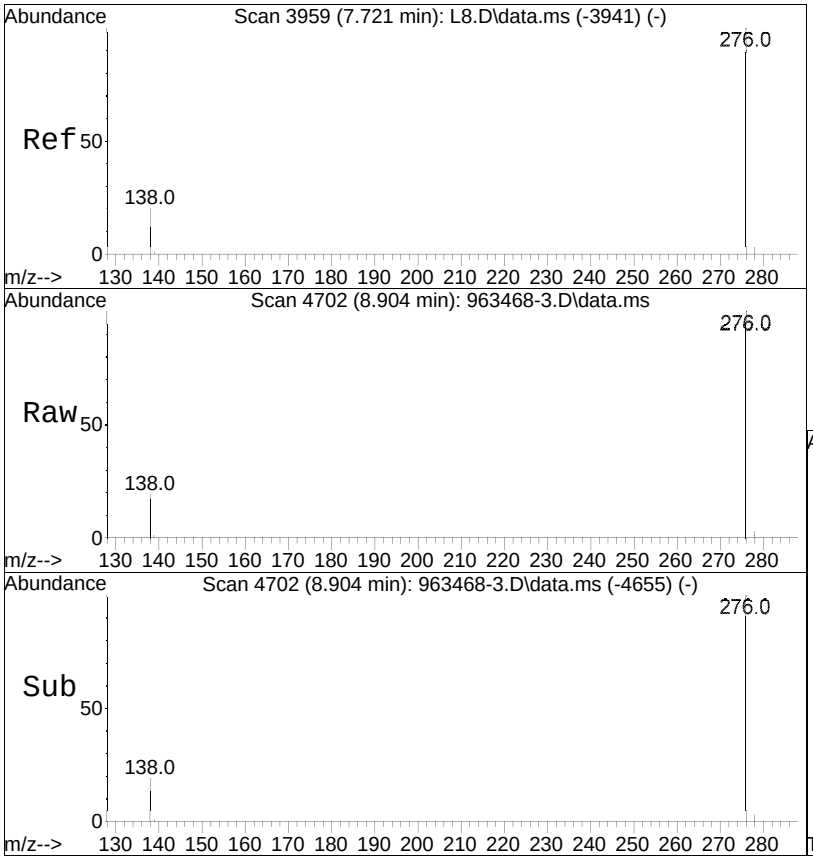


#39
Benzo[a]pyrene
Concen: 1342.12 ng/ml
RT: 7.589 min Scan# 4018
Delta R.T. 0.007 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:252 Resp: 461034

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

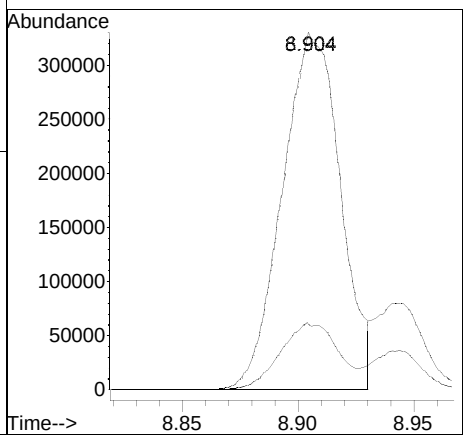


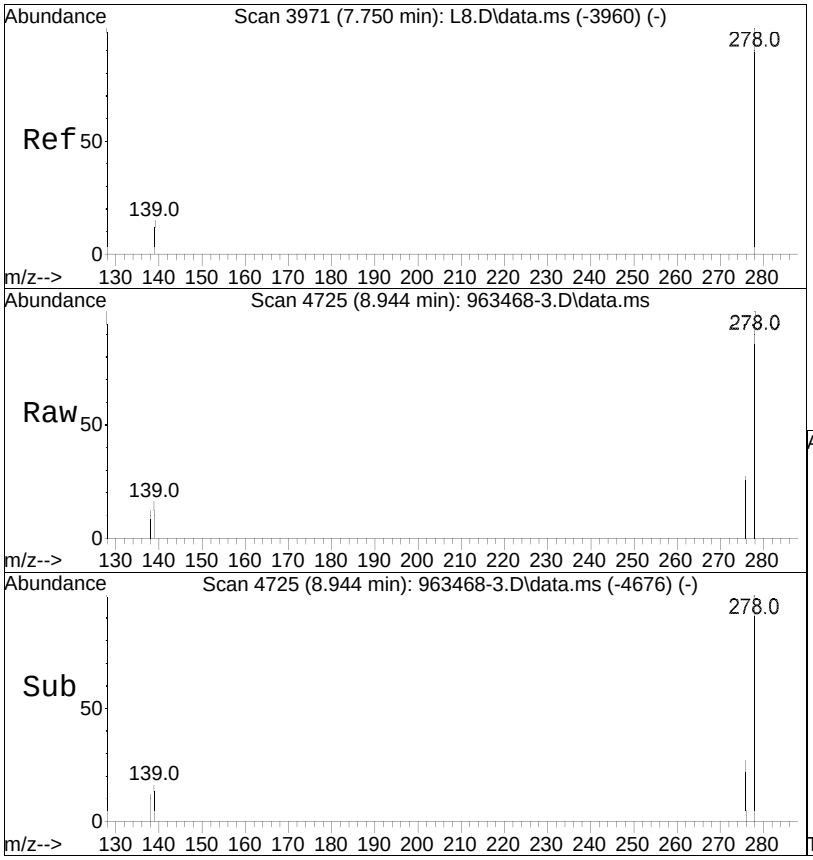


#40
Indeno[1,2,3-cd]pyrene
Concen: 1648.97 ng/ml
RT: 8.904 min Scan# 4702
Delta R.T. 0.002 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:276 Resp: 572612

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.1	22.7

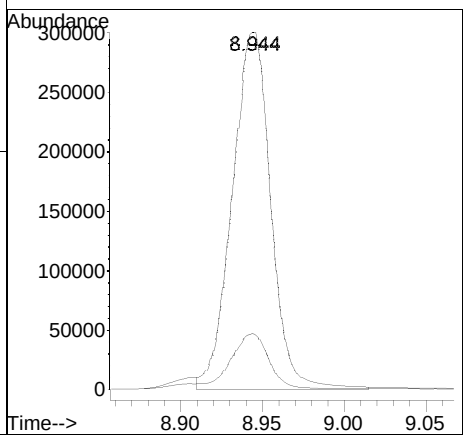


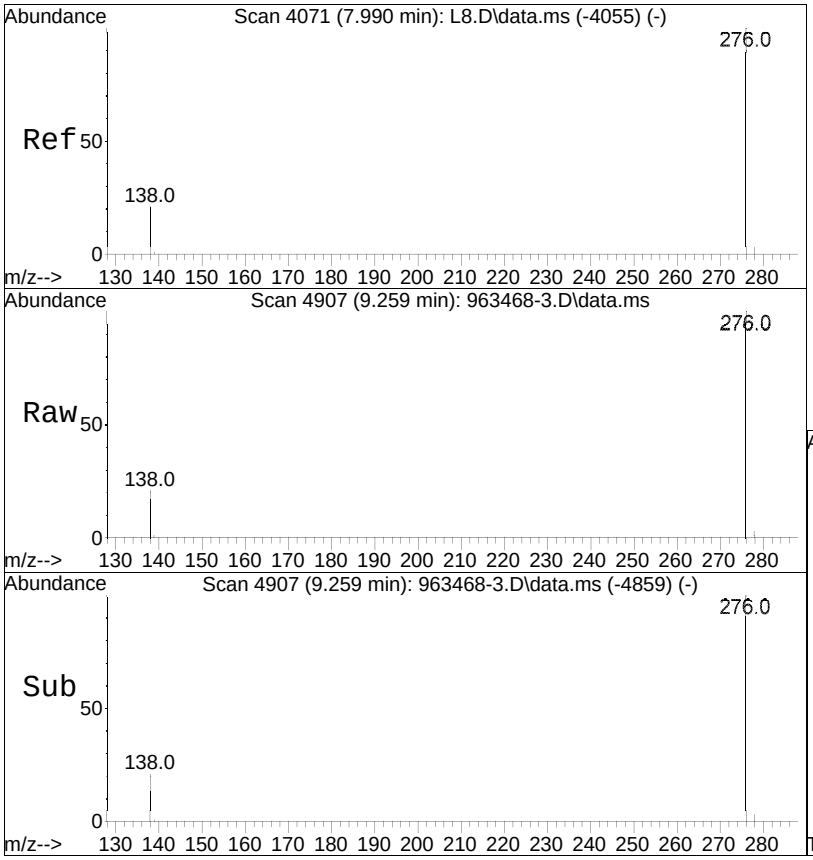


#41
Dibenzo[a,h]anthracene
Concen: 1586.15 ng/ml M6
RT: 8.944 min Scan# 4725
Delta R.T. 0.005 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:278 Resp: 490645

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.3	19.9

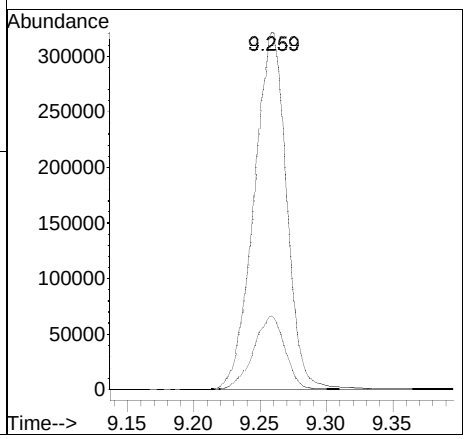




#42
Benzo[g,h,i]perylene
Concen: 1587.41 ng/ml
RT: 9.259 min Scan# 4907
Delta R.T. 0.004 min
Lab File: 963468-3.D
Acq: 25 Aug 2024 02:03 pm

Tgt Ion:276 Resp: 542202

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.9	25.3

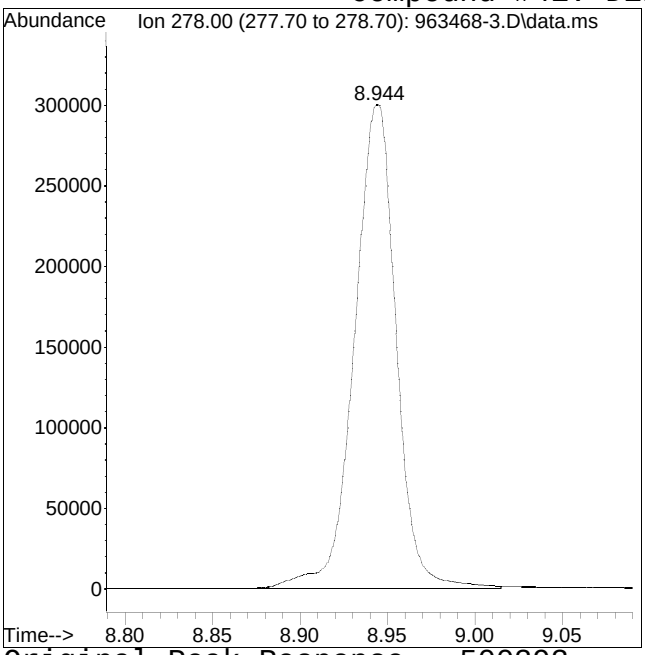


Manual Integration Report

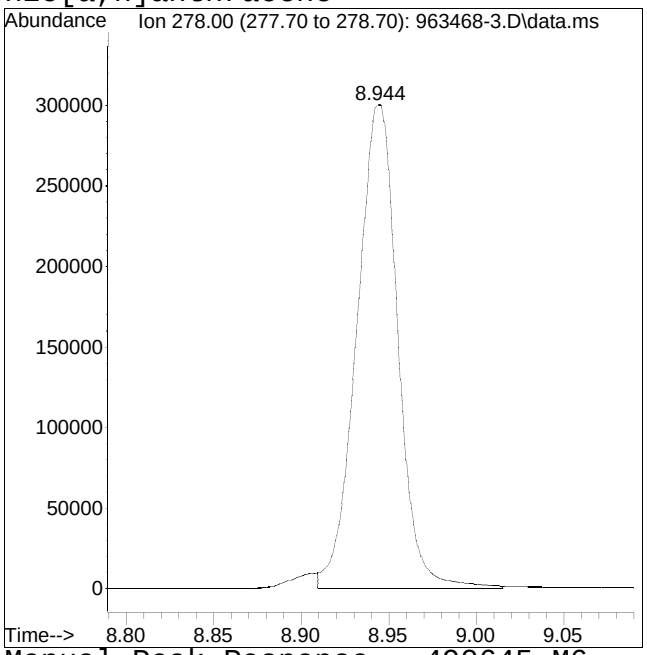
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 963468-3.D
Date Inj'd : 8/25/2024 2:03 pm
Sample : WG1963468-3,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 2:17 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 500393



Manual Peak Response = 490645 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-3.D
Acq On : 27 Aug 2024 09:21 am
Operator : SV120:rp
Sample : WG1964121-3,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 12:48:22 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.183	152	344479	4000.000	ng/ml	0.01
Standard Area 1 = 454641			Recovery = 75.77%			
8) Naphthalene-d8	2.838	136	1431842	4000.000	ng/ml	0.00
Standard Area 1 = 1780821			Recovery = 80.40%			
17) Acenaphthene-d10	3.807	164	792196	4000.000	ng/ml	0.00
Standard Area 1 = 1044720			Recovery = 75.83%			
22) Phenanthrene-d10	4.642	188	1472675	4000.000	ng/ml	0.00
Standard Area 1 = 2173941			Recovery = 67.74%			
31) Chrysene-d12	6.172	240	1222664	4000.000	ng/ml	-0.03
Standard Area 1 = 1787578			Recovery = 68.40%			
36) Perylene-d12	7.300	264	1225178	4000.000	ng/ml	-0.03
Standard Area 1 = 1774909			Recovery = 69.03%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.617	112	112014	1094.732	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.74%			
3) Phenol-d6	2.001	99	112907	907.127	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.36%			
7) Nitrobenzene-d5	2.461	82	90283	891.239	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.12%			
13) 2-Fluorobiphenyl	3.433	172	235892	764.503	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.45%			
21) 2,4,6-Tribromophenol	4.252	330	66840	1532.535	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.63%			
30) 4-Terphenyl-d14	5.550	244	270418	876.795	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 43.84%			
Target Compounds						Qvalue
6) Hexachloroethane	2.436	117	67776	1402.522	ng/ml	95
9) Naphthalene	2.849	128	565730	1375.929	ng/ml#	100
10) Hexachlorobutadiene	2.922	225	103243	1461.815	ng/ml	100
11) 2-Methylnaphthalene	3.227	142	407622	1561.886	ng/ml	99
14) 2-Chloronaphthalene	3.496	162	414201	1562.028	ng/ml	92
16) Acenaphthylene	3.726	152	654534	1719.404	ng/ml	94
18) Acenaphthene	3.826	153	459444	1608.235	ng/ml	98
20) Fluorene	4.114	166	512894	1620.156	ng/ml	99
24) Hexachlorobenzene	4.431	284	164767	1595.659	ng/ml	99
25) Pentachlorophenol	4.542	266	106672	2063.386	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-3.D
Acq On : 27 Aug 2024 09:21 am
Operator : SV120:rp
Sample : WG1964121-3,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 12:48:22 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv120\240827RVT\ccv0827.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.654	178	740558	1693.480	ng/ml	100
27) Anthracene	4.681	178	769920	1824.883	ng/ml	100
28) Fluoranthene	5.327	202	830421	1757.496	ng/ml	99
29) Pyrene	5.456	202	851607	1729.938	ng/ml	99
32) Benzo[a]anthracene	6.165	228	783816	1697.616	ng/ml	100
34) Chrysene	6.187	228	721150	1621.654	ng/ml	98
37) Benzo[b]fluoranthene	6.951	252	762838	1844.581	ng/ml	100
38) Benzo[k]fluoranthene	6.975	252	681127	1748.120	ng/ml	99
39) Benzo[a]pyrene	7.241	252	656744	1985.688	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.443	276	765678	2470.589	ng/ml	94
41) Dibenzo[a,h]anthracene	8.476	278	706563M6	2429.291	ng/ml	
42) Benzo[g,h,i]perylene	8.766	276	731904	2310.376	ng/ml	94

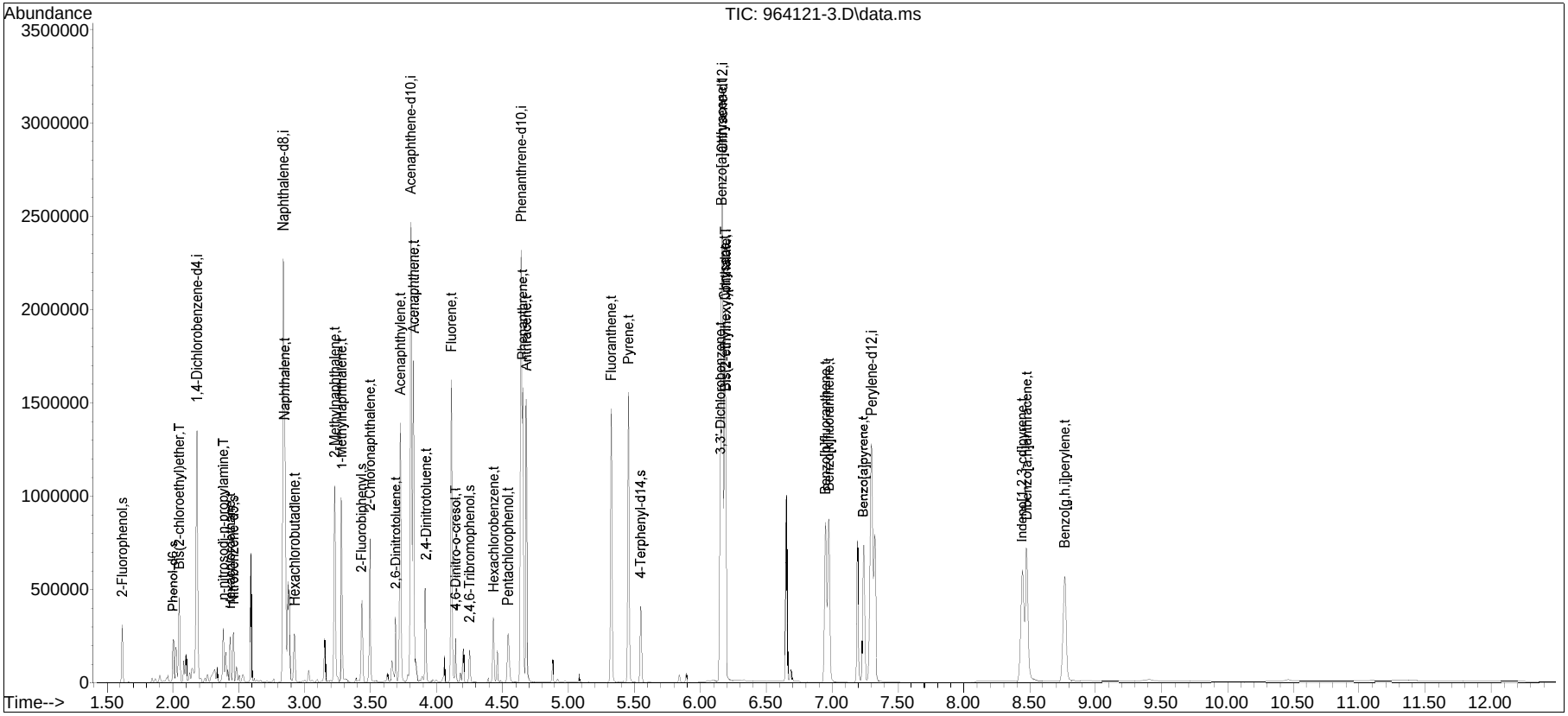
(#) = qualifier out of range (m) = manual integration (+) = signals summed

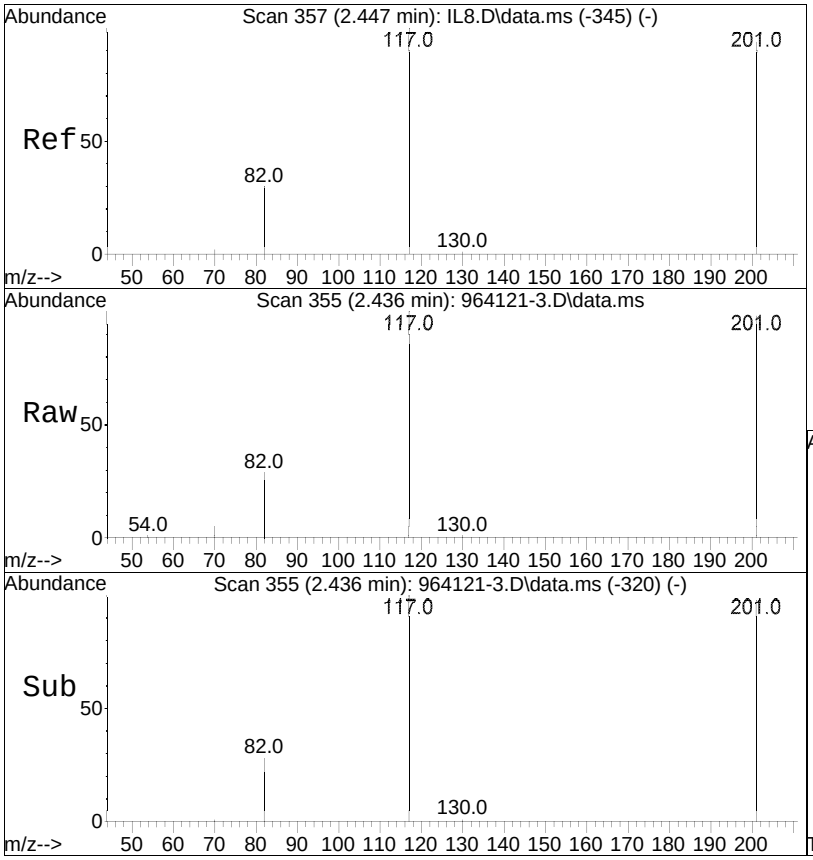
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv120\240827RVT\
Data File : 964121-3.D
Acq On : 27 Aug 2024 09:21 am
Operator : SV120:rp
Sample : WG1964121-3,32,,kmh
Misc : WG1964292,WG1964121,ical21368
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 12:48:22 2024
Quant Method : I:\8270SIM\sv120\240827RVT\SIM-RVT_240728_sv120.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Aug 27 12:27:23 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0827.D•

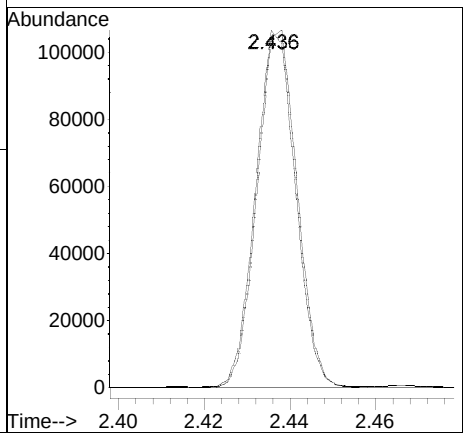


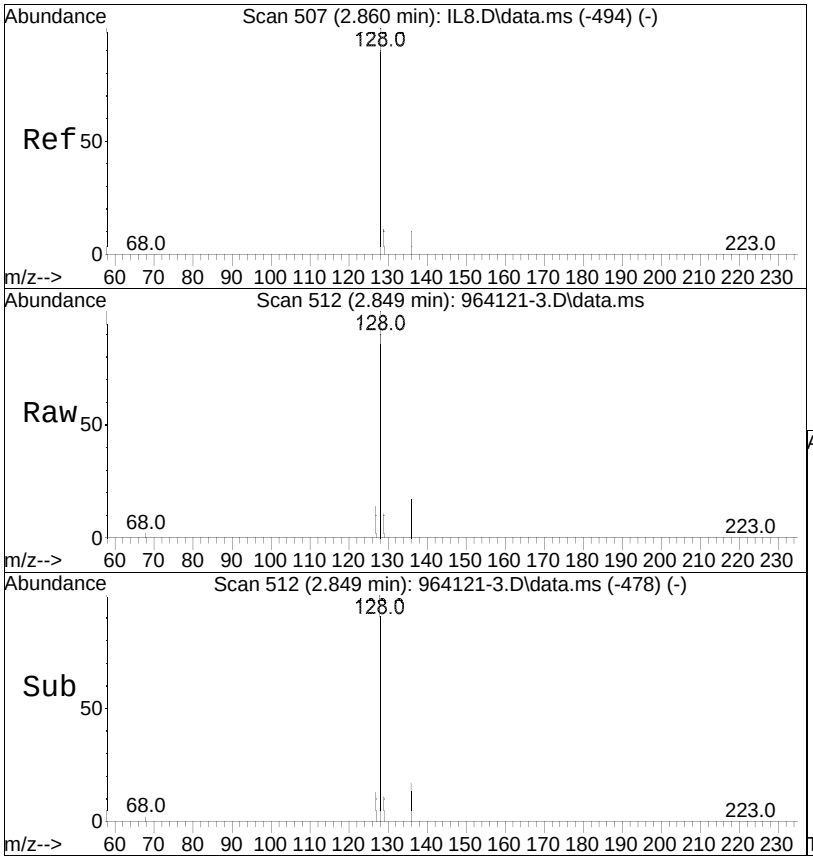


#6
Hexachloroethane
Concen: 1402.52 ng/ml
RT: 2.436 min Scan# 355
Delta R.T. 0.007 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:117 Resp: 67776

Ion	Ratio	Lower	Upper
117	100		
201	100.6	76.6	115.0

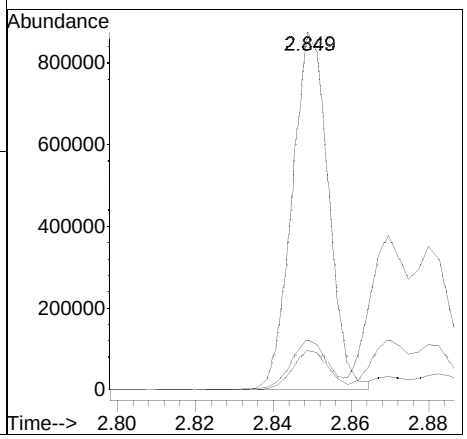


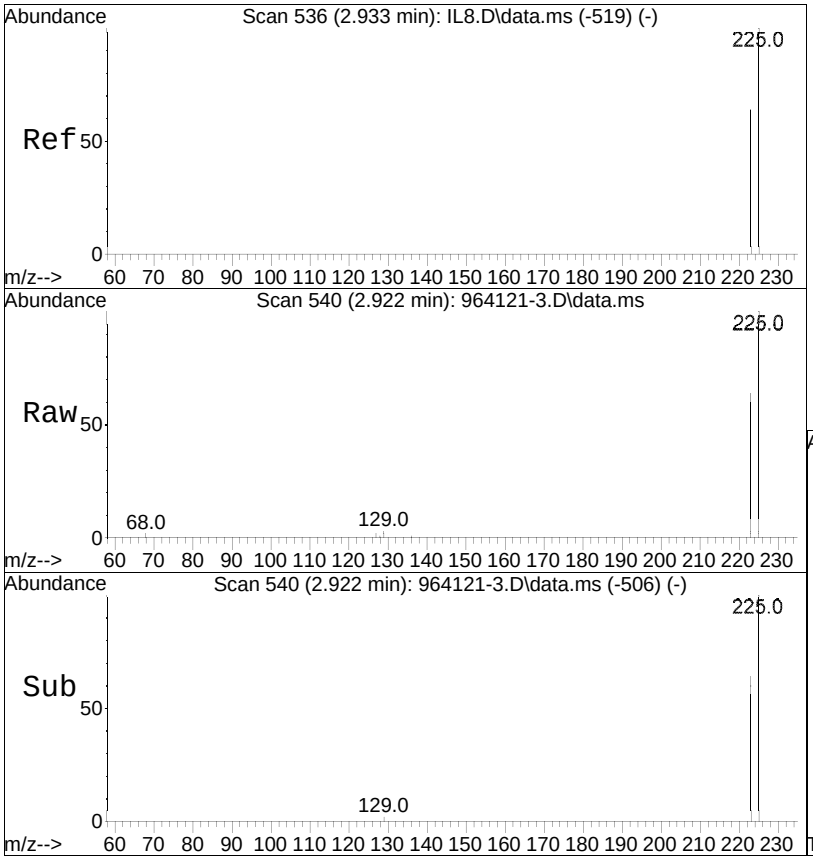


#9
Naphthalene
Concen: 1375.93 ng/ml
RT: 2.849 min Scan# 512
Delta R.T. 0.008 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:128 Resp: 565730

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	14.5	0.0	0.0#

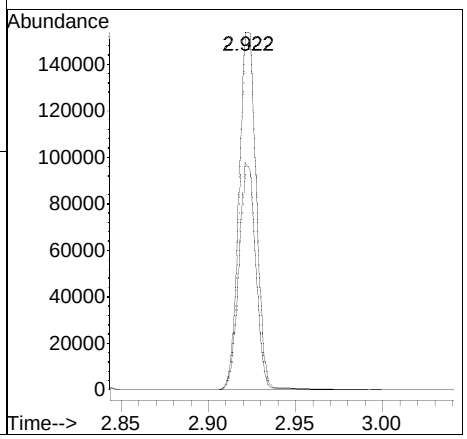


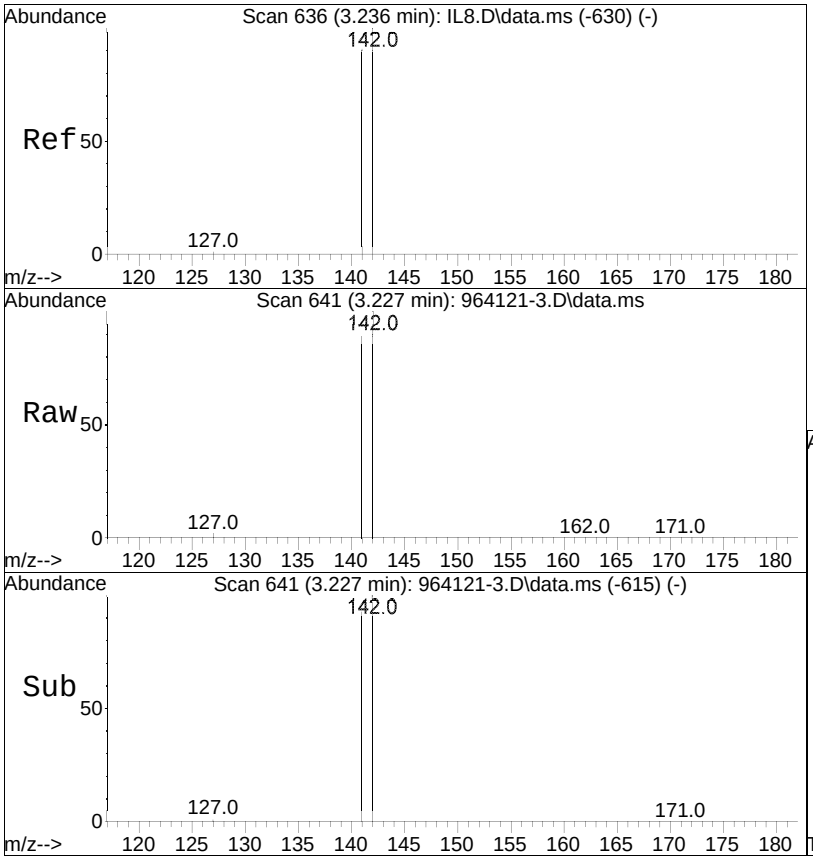


#10
Hexachlorobutadiene
Concen: 1461.81 ng/ml
RT: 2.922 min Scan# 540
Delta R.T. 0.008 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:225 Resp: 103243

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.4	75.6

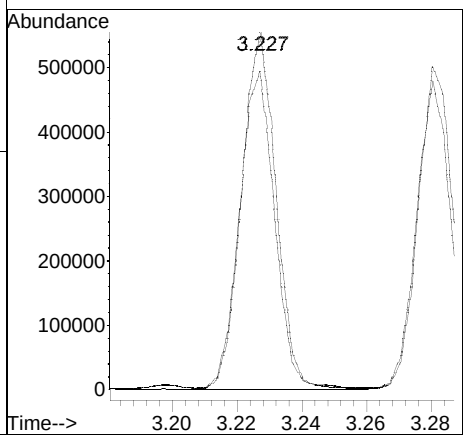


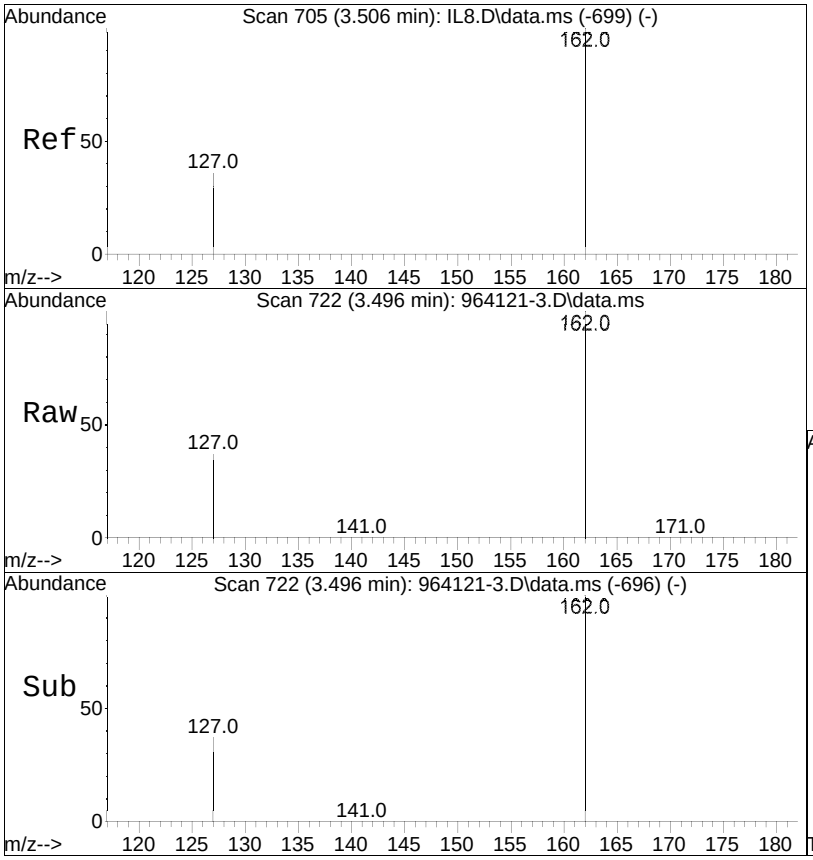


#11
2-Methylnaphthalene
Concen: 1561.89 ng/ml
RT: 3.227 min Scan# 641
Delta R.T. 0.006 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:142 Resp: 407622

Ion	Ratio	Lower	Upper
142	100		
141	90.3	73.0	109.4

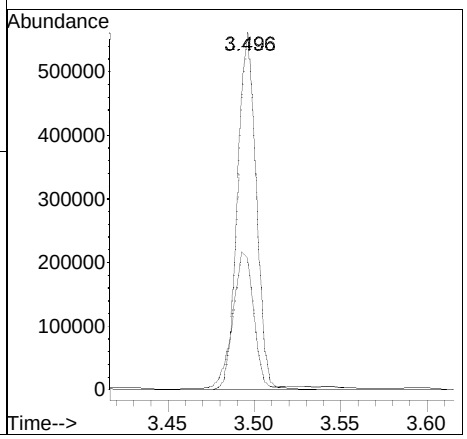


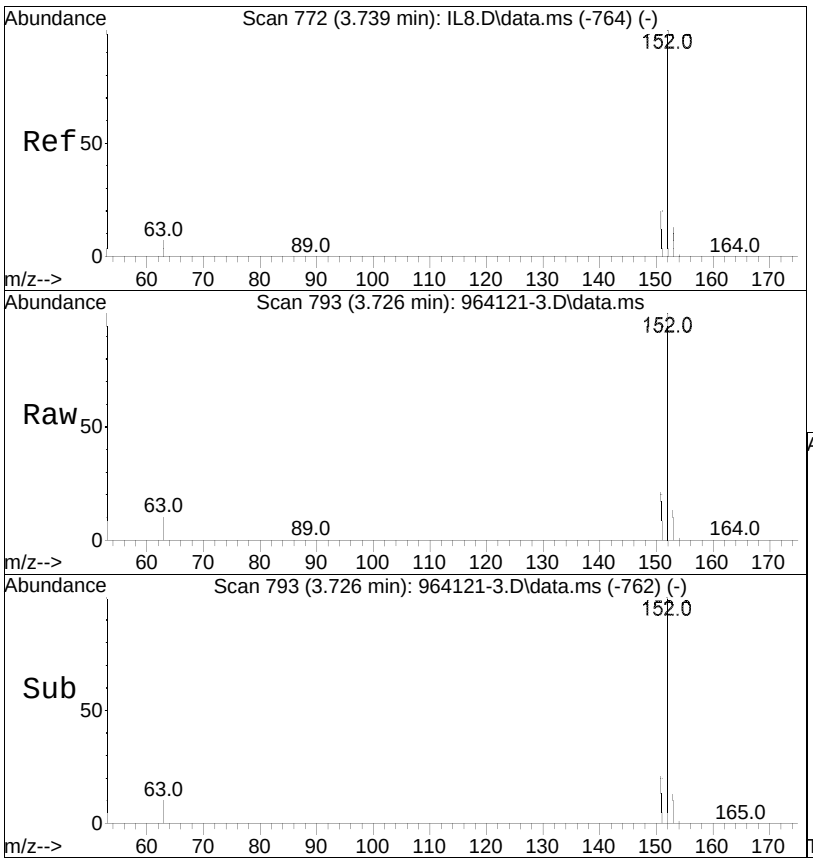


#14
2-Chloronaphthalene
Concen: 1562.03 ng/ml
RT: 3.496 min Scan# 722
Delta R.T. 0.006 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:162 Resp: 414201

Ion	Ratio	Lower	Upper
162	100		
127	43.7	30.9	46.3

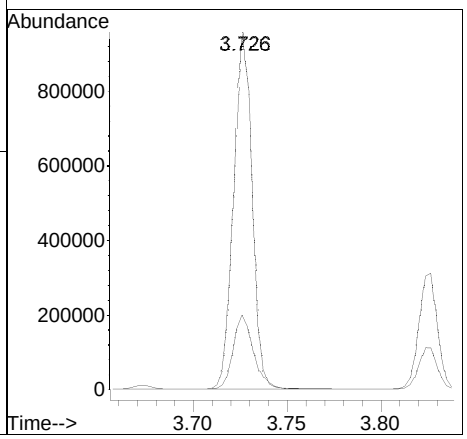


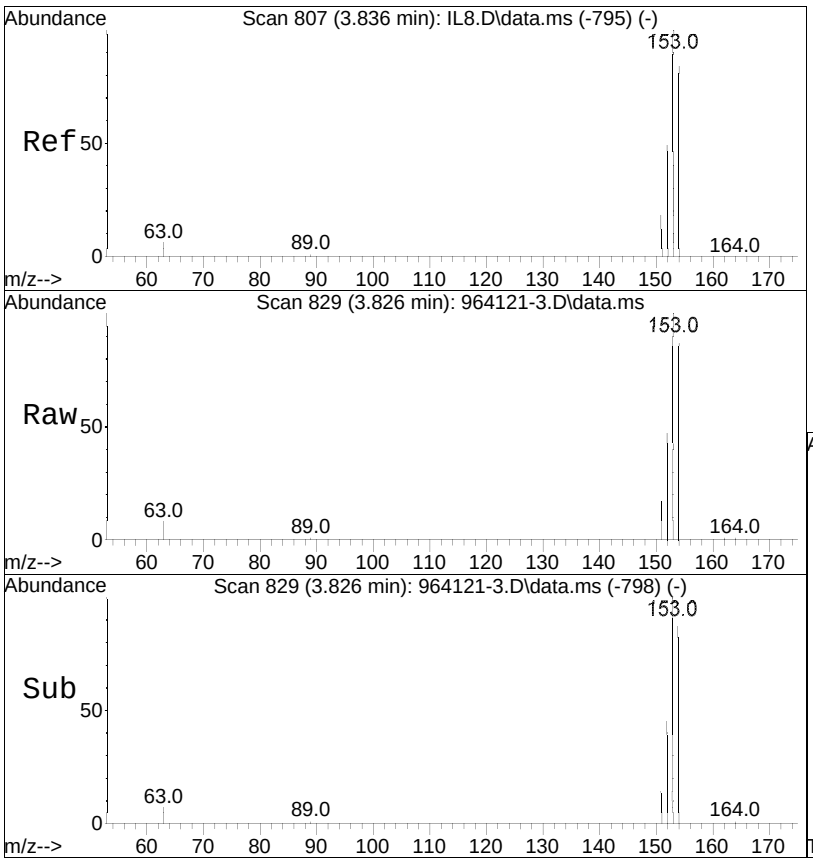


#16
Acenaphthylene
Concen: 1719.40 ng/ml
RT: 3.726 min Scan# 793
Delta R.T. 0.005 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:152 Resp: 654534

Ion	Ratio	Lower	Upper
152	100		
151	23.3	16.3	24.5

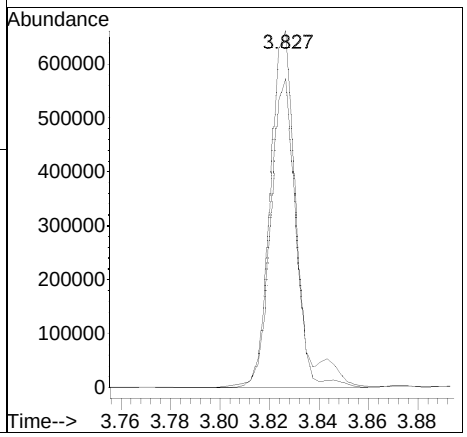


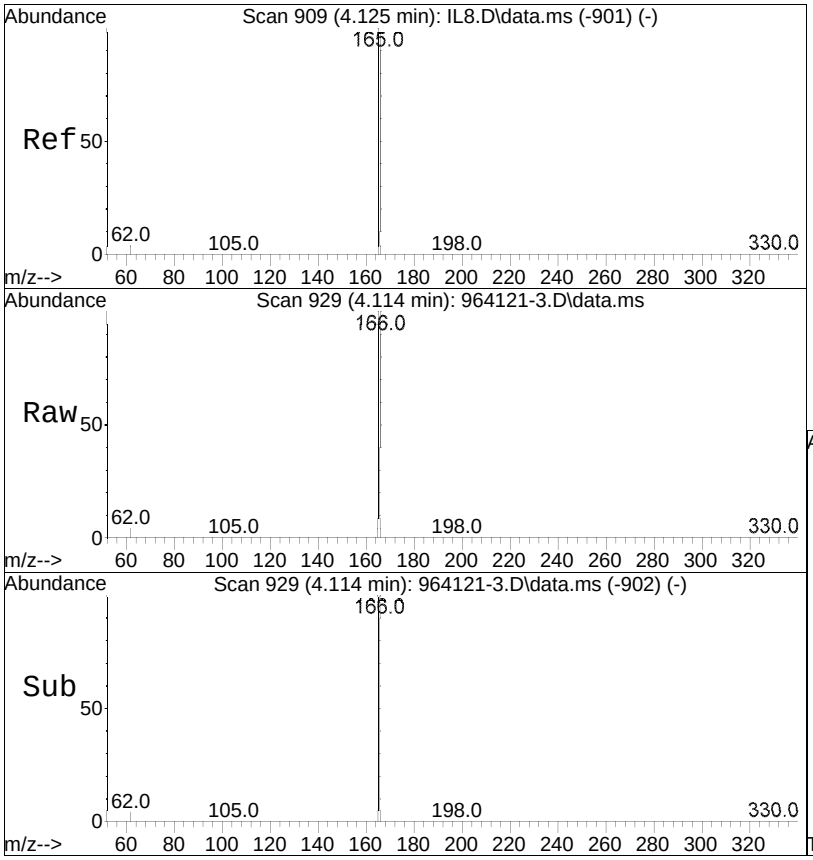


#18
Acenaphthene
Concen: 1608.23 ng/ml
RT: 3.826 min Scan# 829
Delta R.T. 0.005 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:153 Resp: 459444

Ion	Ratio	Lower	Upper
153	100		
154	92.4	72.3	108.5

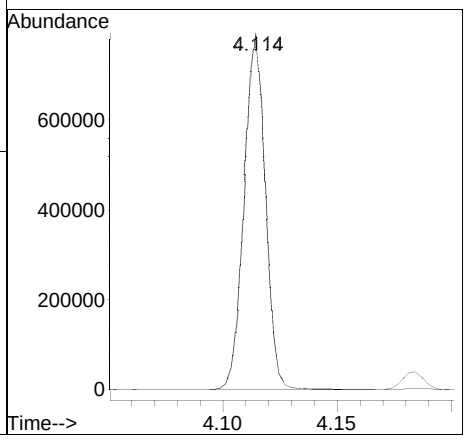


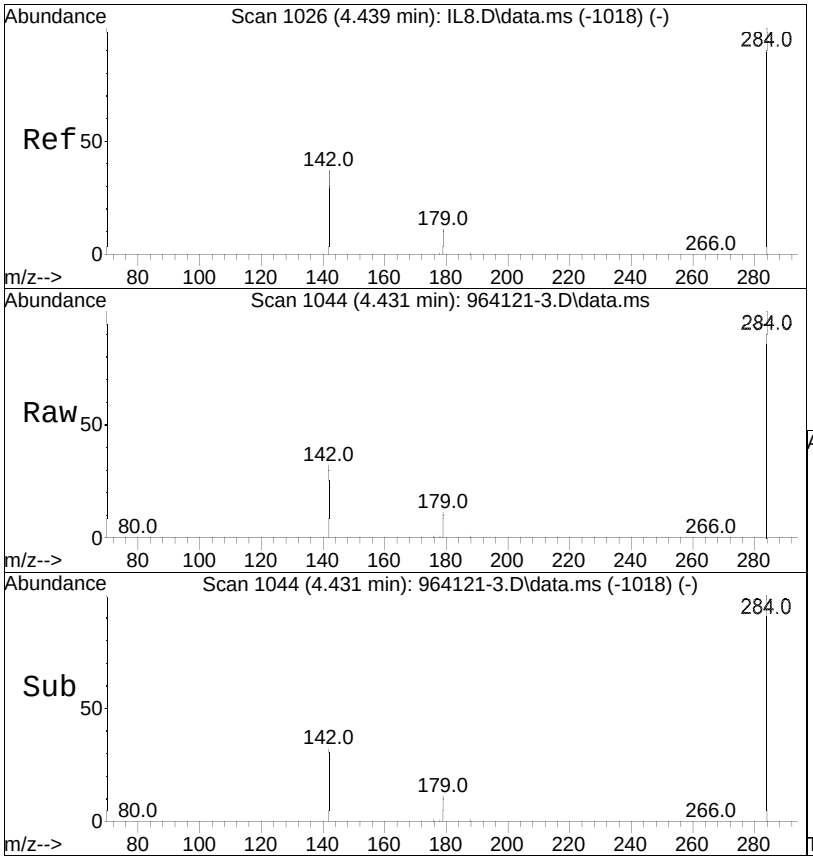


#20
Fluorene
Concen: 1620.16 ng/ml
RT: 4.114 min Scan# 929
Delta R.T. 0.005 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:166 Resp: 512894

Ion	Ratio	Lower	Upper
166	100		
165	100.9	81.5	122.3

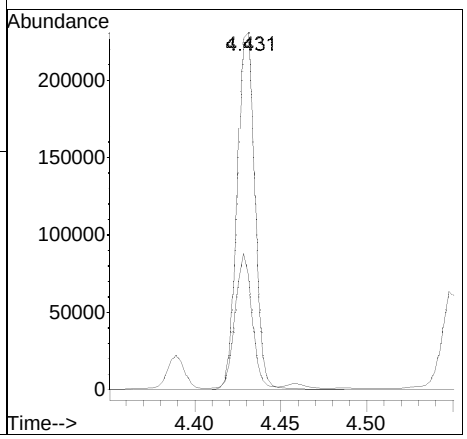


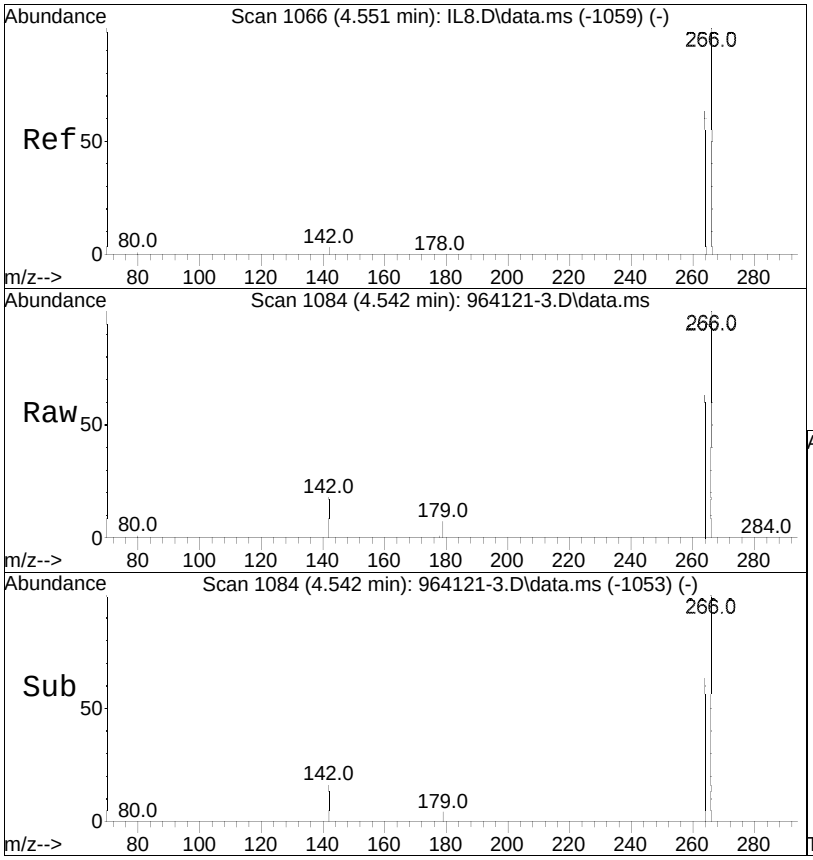


#24
Hexachlorobenzene
Concen: 1595.66 ng/ml
RT: 4.431 min Scan# 1044
Delta R.T. 0.006 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:284 Resp: 164767

Ion	Ratio	Lower	Upper
284	100		
142	36.0	29.4	44.2

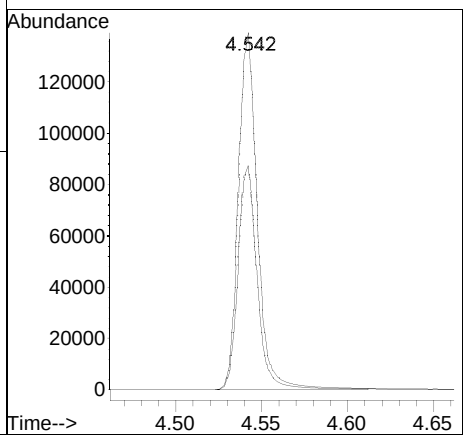


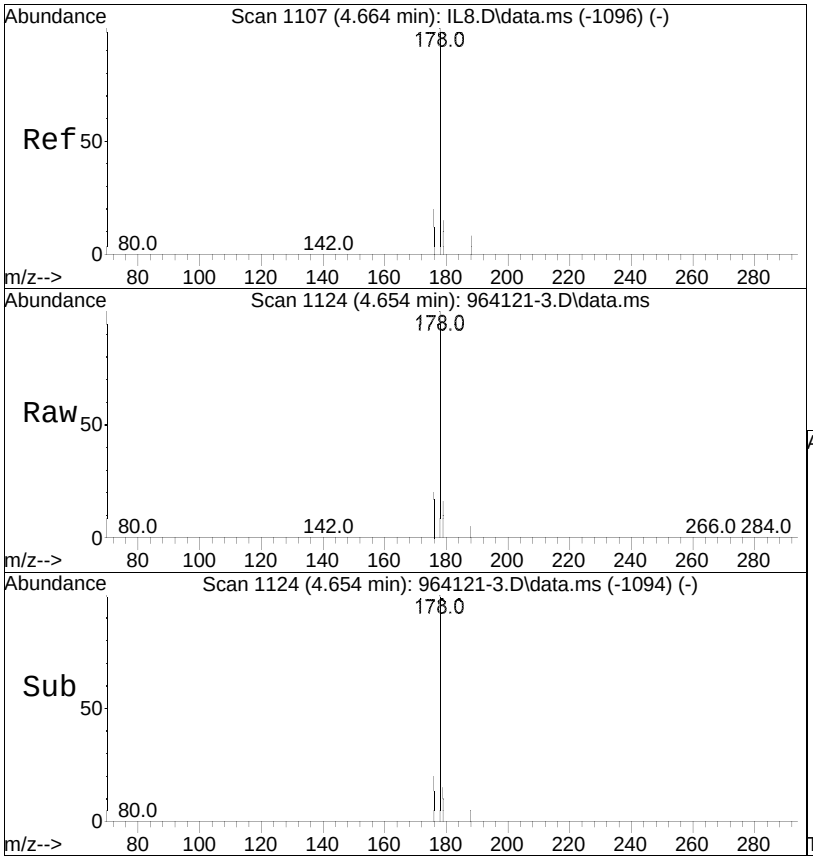


#25
Pentachlorophenol
Concen: 2063.39 ng/ml
RT: 4.542 min Scan# 1084
Delta R.T. 0.005 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:266 Resp: 106672

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.2	75.4

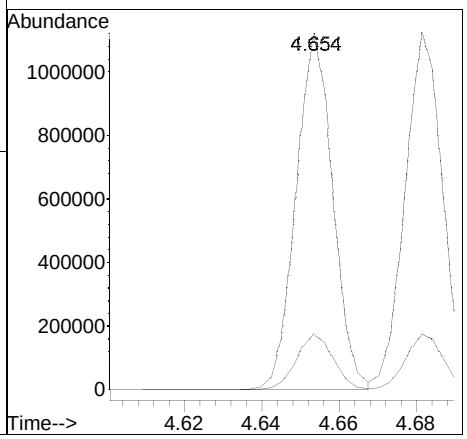


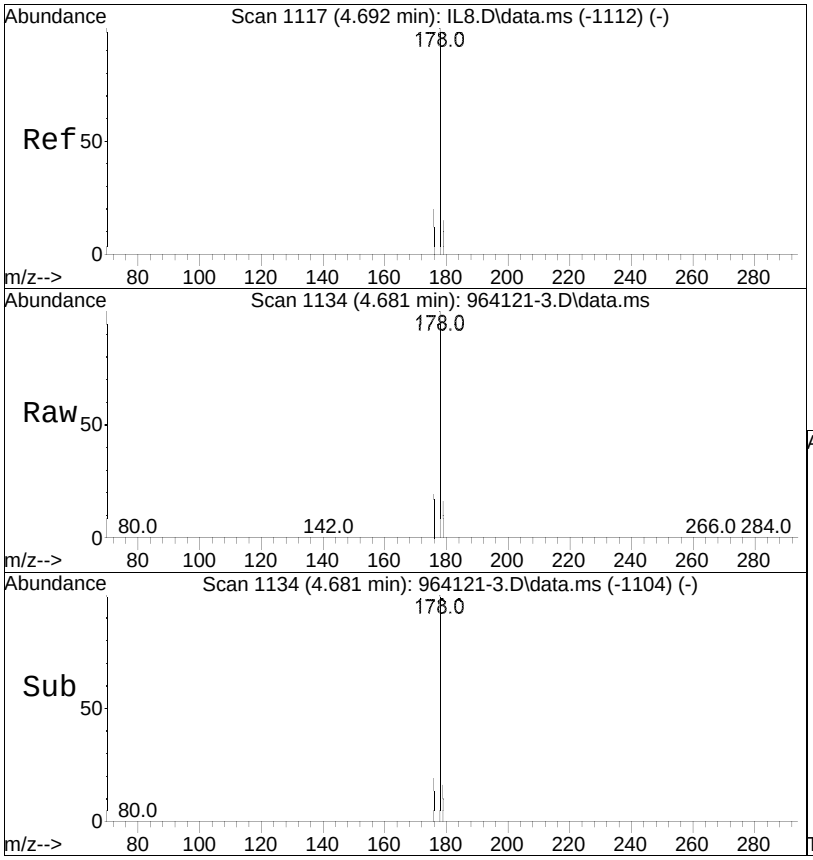


#26
Phenanthrene
Concen: 1693.48 ng/ml
RT: 4.654 min Scan# 1124
Delta R.T. 0.003 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:178 Resp: 740558

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

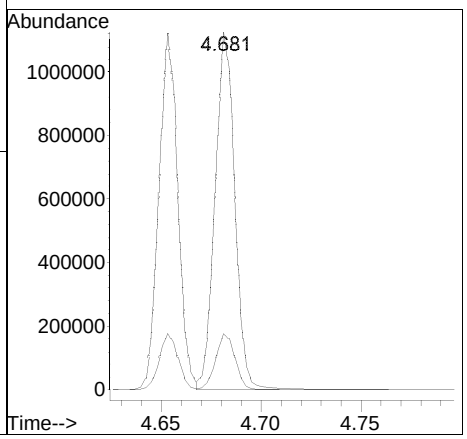


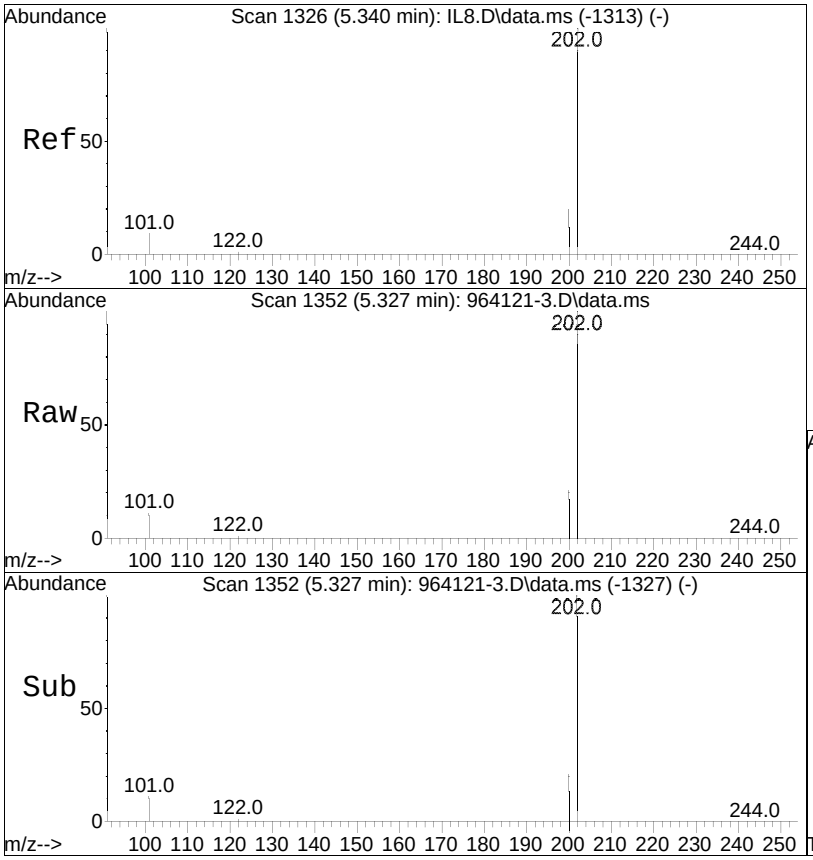


#27
Anthracene
Concen: 1824.88 ng/ml
RT: 4.681 min Scan# 1134
Delta R.T. 0.003 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:178 Resp: 769920

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

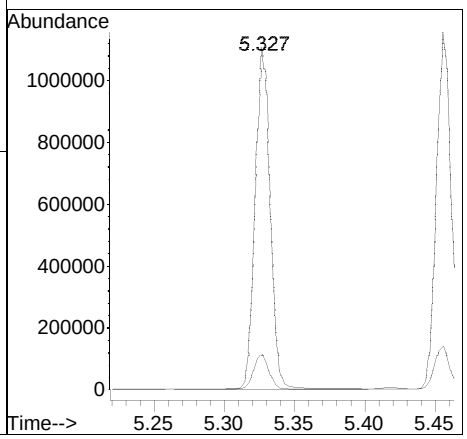


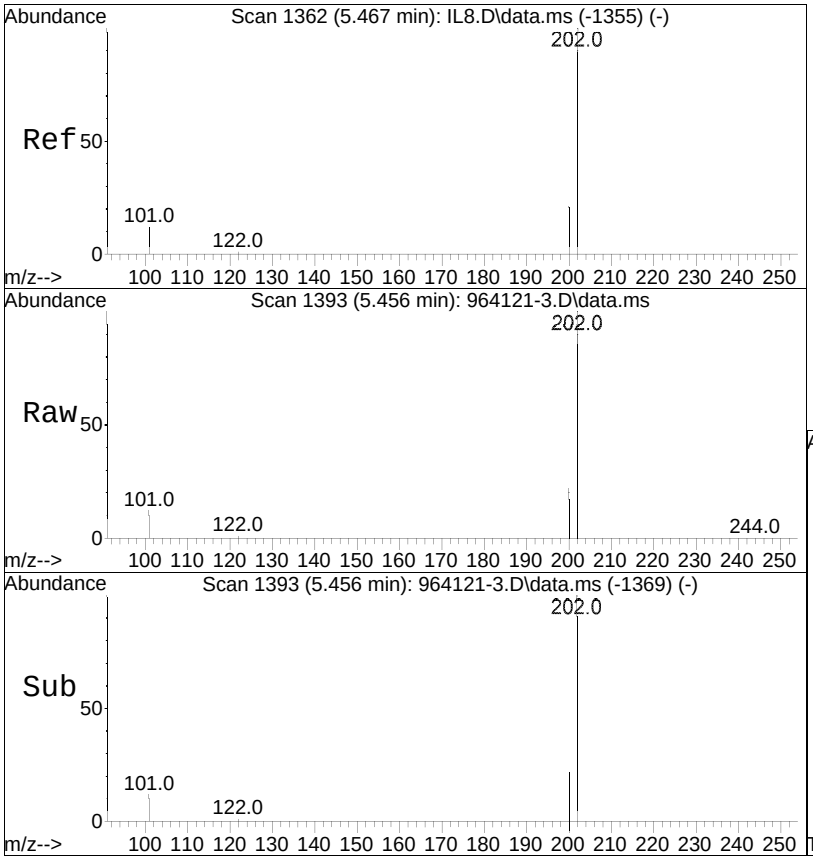


#28
Fluoranthene
Concen: 1757.50 ng/ml
RT: 5.327 min Scan# 1352
Delta R.T. -0.003 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:202 Resp: 830421

Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.7	13.1

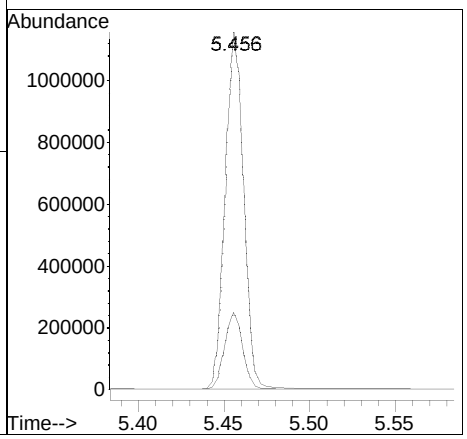


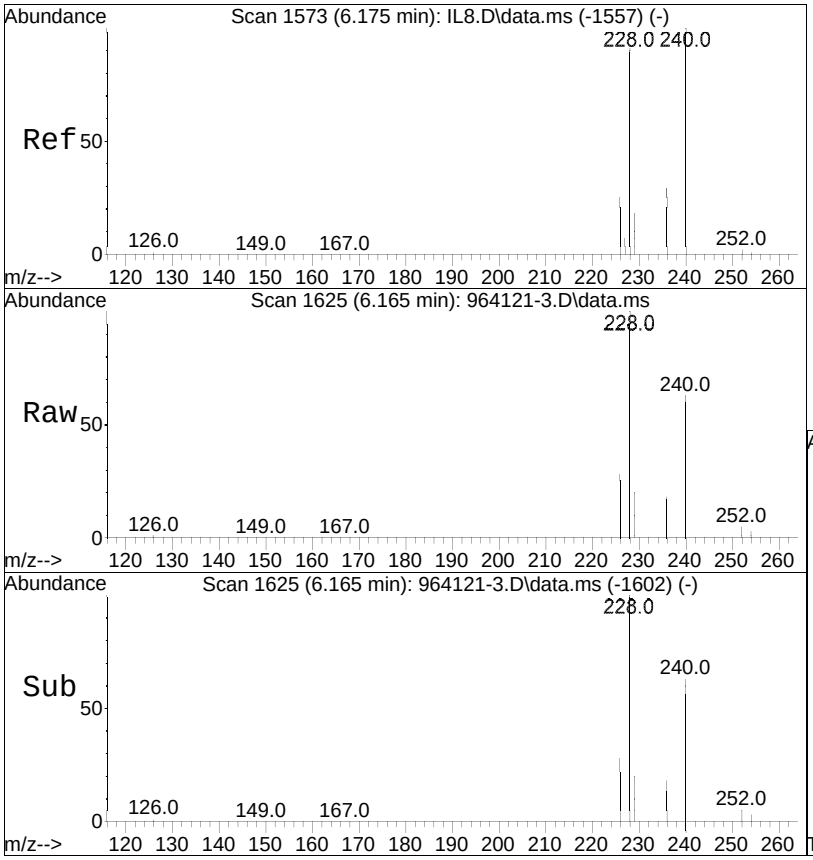


#29
Pyrene
Concen: 1729.94 ng/ml
RT: 5.456 min Scan# 1393
Delta R.T. -0.006 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:202 Resp: 851607

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2

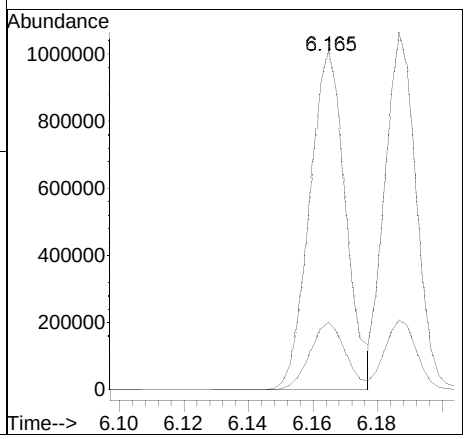


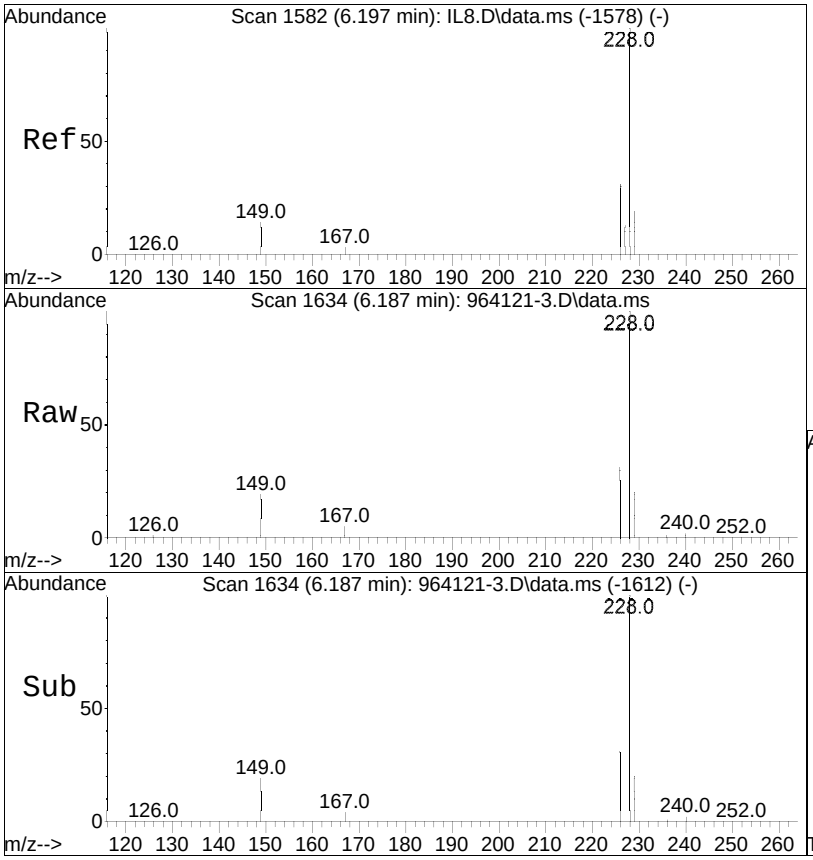


#32
Benzo[a]anthracene
Concen: 1697.62 ng/ml
RT: 6.165 min Scan# 1625
Delta R.T. -0.023 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:228 Resp: 783816

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

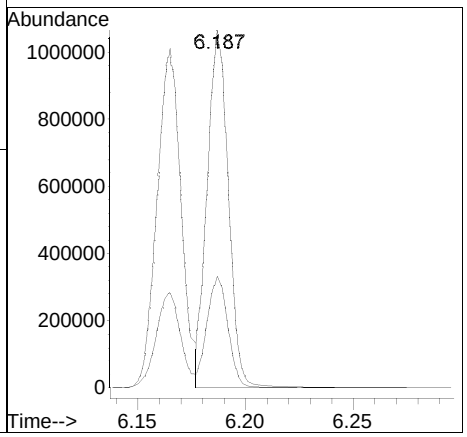


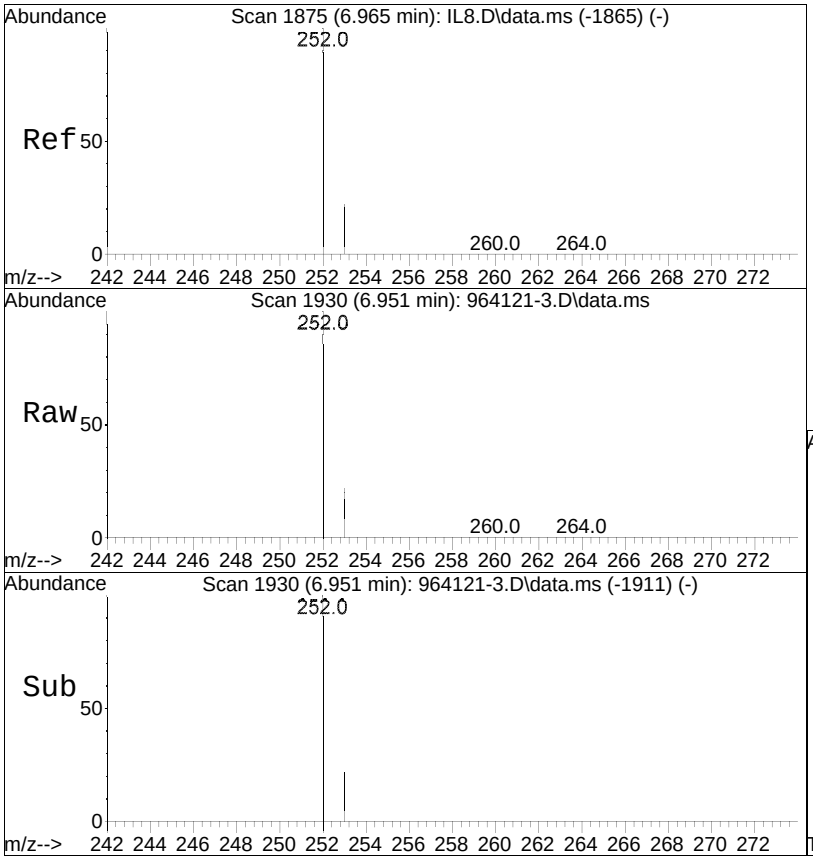


#34
Chrysene
Concen: 1621.65 ng/ml
RT: 6.187 min Scan# 1634
Delta R.T. -0.026 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:228 Resp: 721150

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.7	38.5

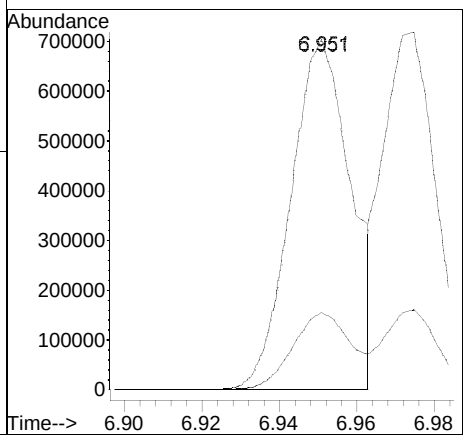


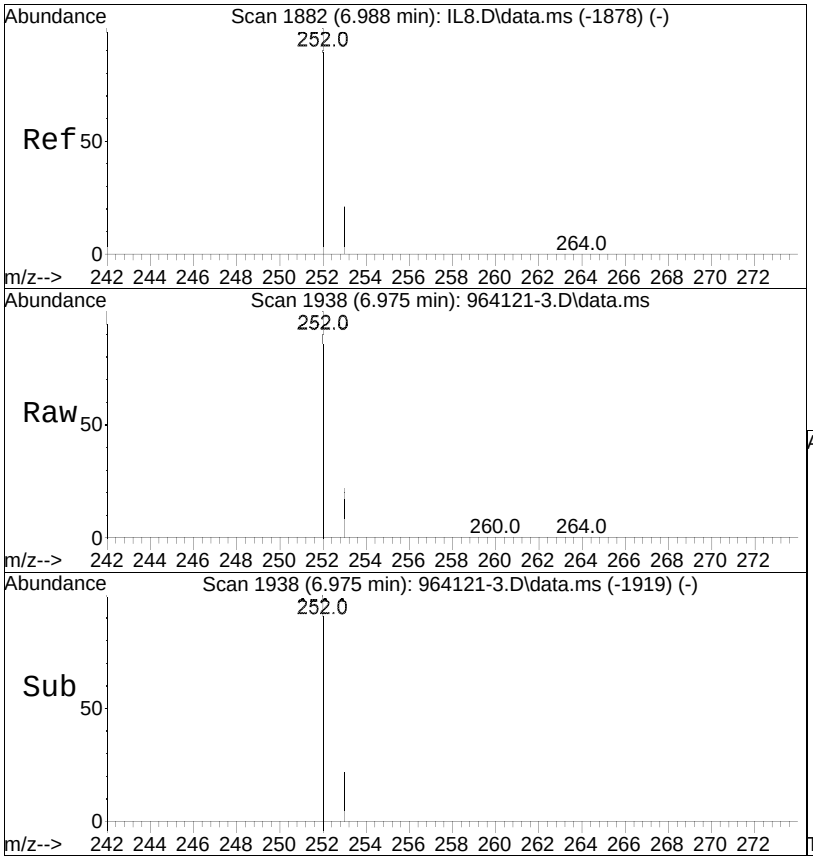


#37
Benzo[b]fluoranthene
Concen: 1844.58 ng/ml
RT: 6.951 min Scan# 1930
Delta R.T. -0.024 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:252 Resp: 762838

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9

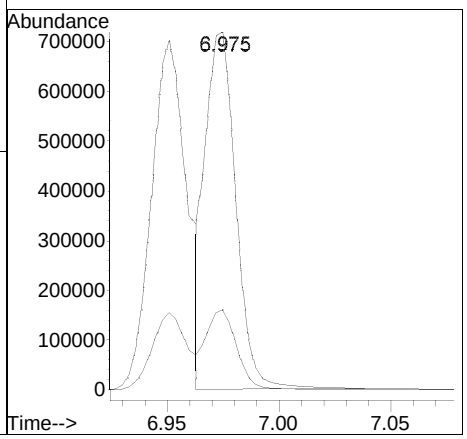


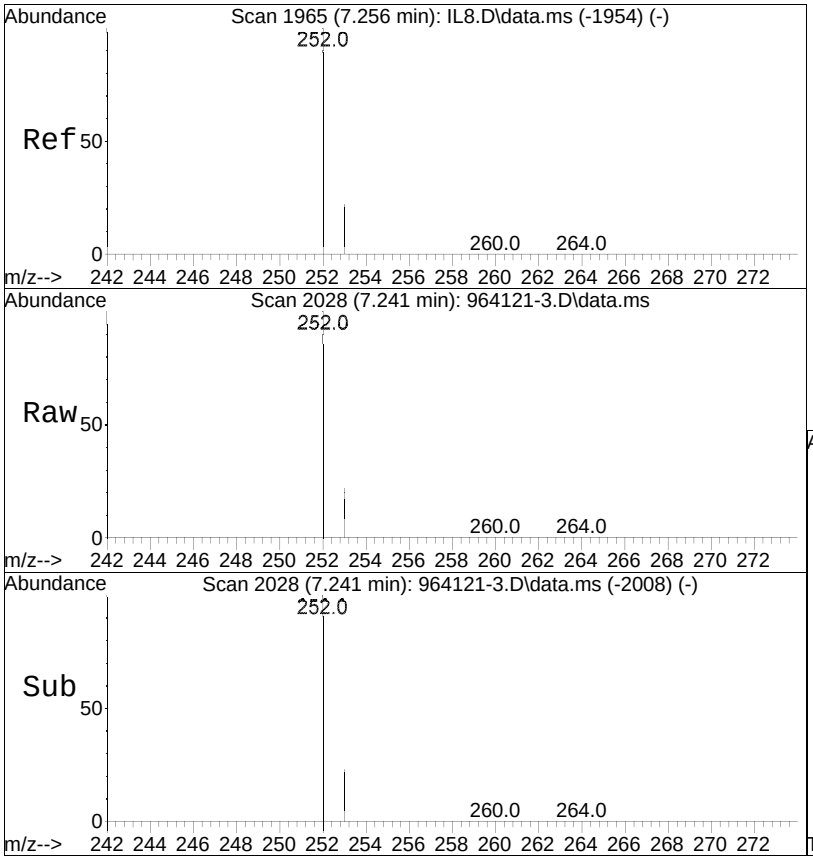


#38
Benzo[k]fluoranthene
Concen: 1748.12 ng/ml
RT: 6.975 min Scan# 1938
Delta R.T. -0.025 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:252 Resp: 681127

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4

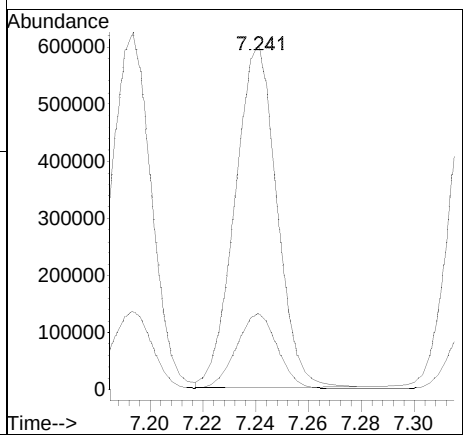


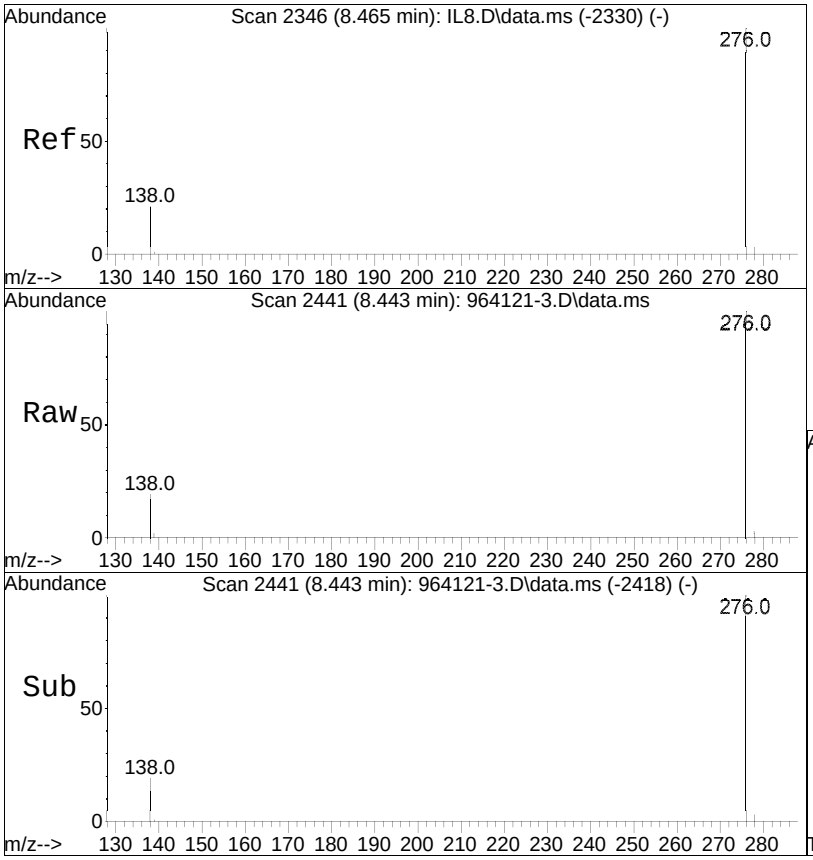


#39
Benzo[a]pyrene
Concen: 1985.69 ng/ml
RT: 7.241 min Scan# 2028
Delta R.T. -0.022 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:252 Resp: 656744

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

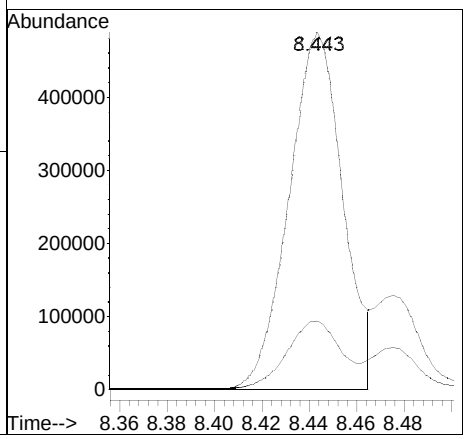


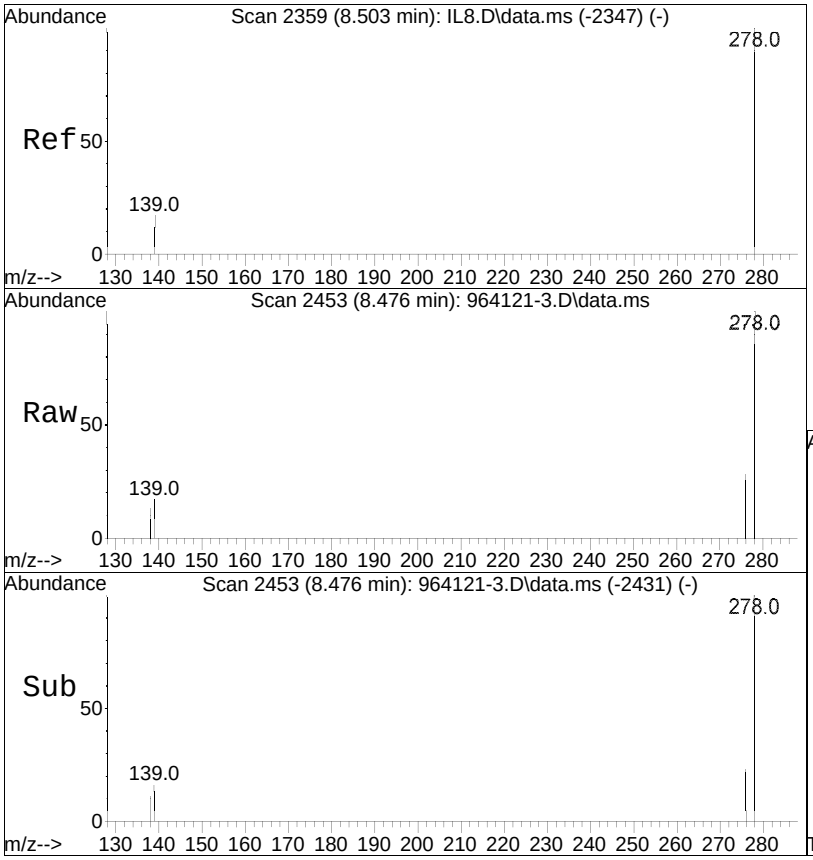


#40
Indeno[1,2,3-cd]pyrene
Concen: 2470.59 ng/ml
RT: 8.443 min Scan# 2441
Delta R.T. -0.017 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:276 Resp: 765678

Ion	Ratio	Lower	Upper
276	100		
138	18.8	17.2	25.8

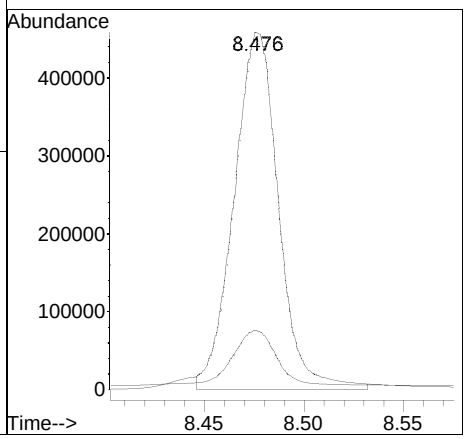


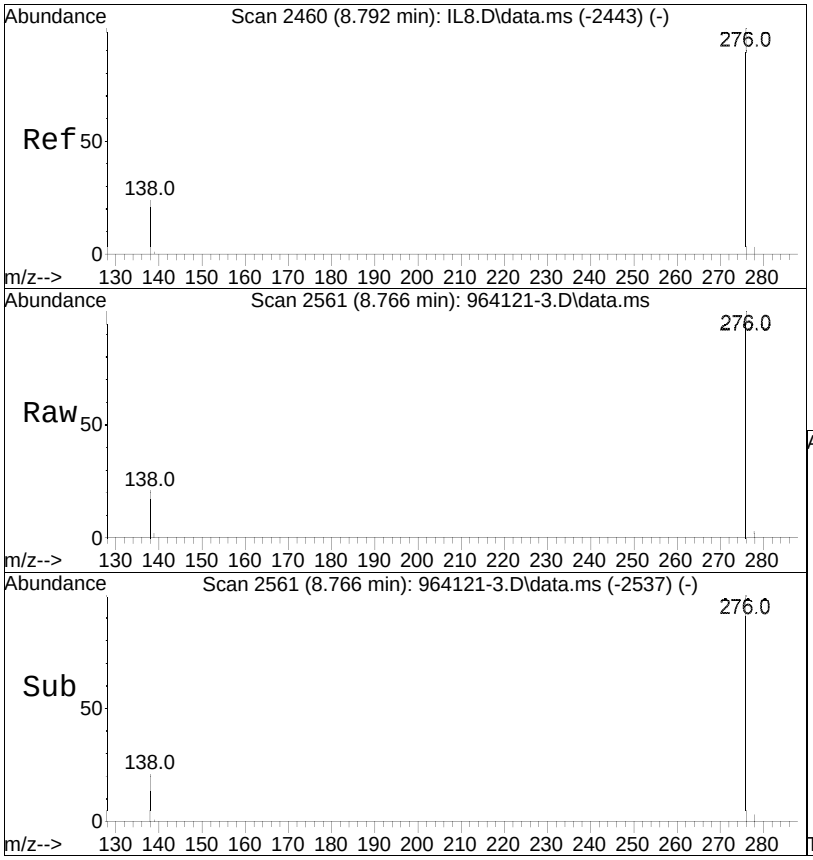


#41
Dibenzo[a,h]anthracene
Concen: 2429.29 ng/ml M6
RT: 8.476 min Scan# 2453
Delta R.T. -0.020 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:278 Resp: 706563

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.7	22.1

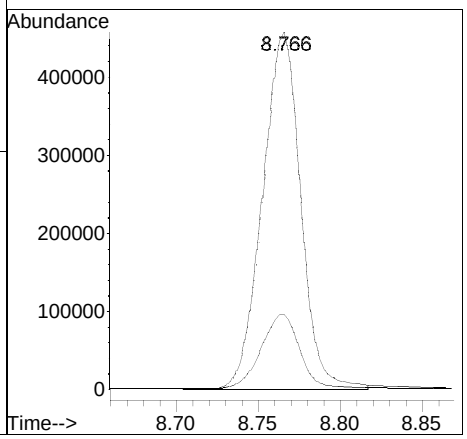




#42
Benzo[g,h,i]perylene
Concen: 2310.38 ng/ml
RT: 8.766 min Scan# 2561
Delta R.T. -0.015 min
Lab File: 964121-3.D
Acq: 27 Aug 2024 09:21 am

Tgt Ion:276 Resp: 731904

Ion	Ratio	Lower	Upper
276	100		
138	20.8	19.0	28.4

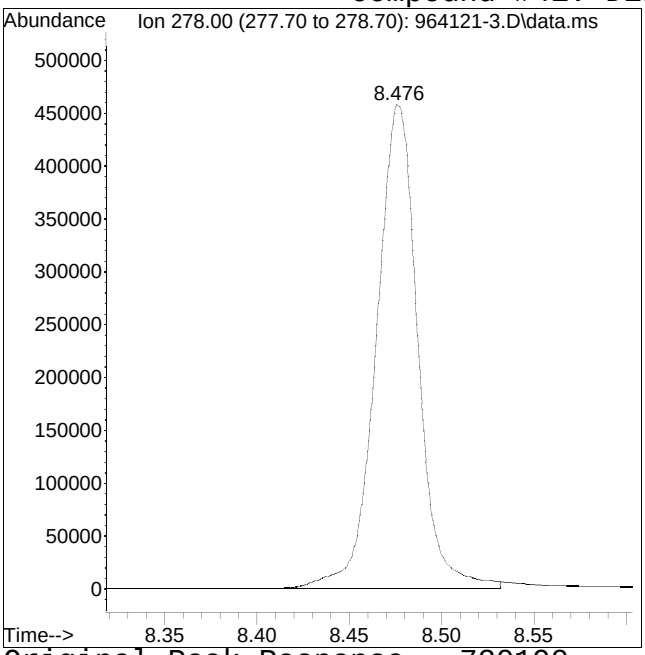


Manual Integration Report

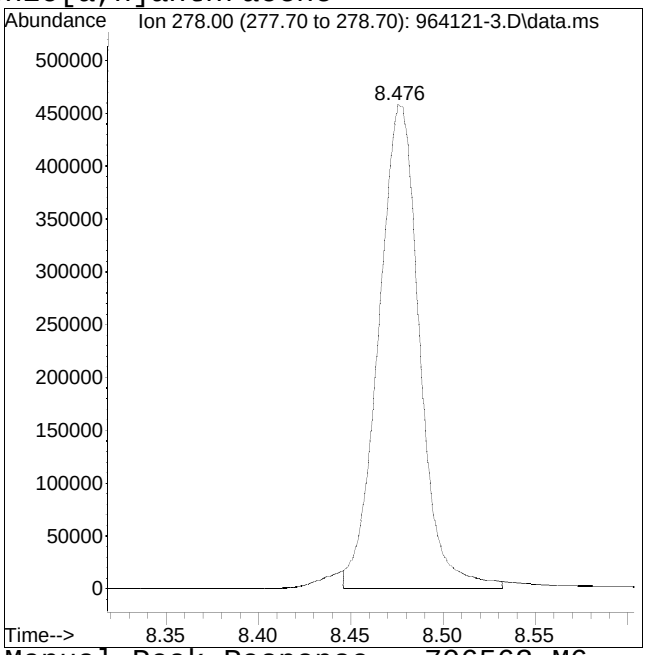
Data Path : I:\8270SIM\sv120\240827RVTQ
Data File : 964121-3.D
Date Inj'd : 8/27/2024 9:21 am
Sample : WG1964121-3,32,,kmh

Method : SIM-RVT_240728_sv120.M
Operator : SV120:rp
Instrument : SV120
Quant Date : 8/27/2024 12:29 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 720190



Manual Peak Response = 706563 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-4.D
Acq On : 25 Aug 2024 07:17 pm
Operator : sv119:jjw
Sample : WG1963468-4,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 13:28:19 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.303	152	219405	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 75.02%			
8) Naphthalene-d8	2.959	136	815826	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 80.03%			
17) Acenaphthene-d10	3.931	164	454462	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 80.15%			
22) Phenanthrene-d10	4.772	188	958145	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 78.92%			
31) Chrysene-d12	6.397	240	870126	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 78.08%			
36) Perylene-d12	7.654	264	895996	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 76.14%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.732	112	55196	713.163	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.66%			
3) Phenol-d6	2.119	99	61715	632.224	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 31.61%			
7) Nitrobenzene-d5	2.580	82	57068	666.482	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 66.65%			
13) 2-Fluorobiphenyl	3.549	172	151787	719.670	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.97%			
21) 2,4,6-Tribromophenol	4.375	330	45450	1432.336	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 71.62%			
30) 4-Terphenyl-d14	5.715	244	199530	753.302	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 37.67%			
Target Compounds						Qvalue
6) Hexachloroethane	2.557	117	36549	1004.051	ng/ml	91
9) Naphthalene	2.971	128	283818	1260.088	ng/ml	100
10) Hexachlorobutadiene	3.040	225	54647	1080.890	ng/ml	100
11) 2-Methylnaphthalene	3.347	142	213652	1262.184	ng/ml	99
14) 2-Chloronaphthalene	3.618	162	239473	1313.106	ng/ml	99
16) Acenaphthylene	3.850	152	376891	1293.533	ng/ml	100
18) Acenaphthene	3.948	153	236247	1489.260	ng/ml	99
20) Fluorene	4.237	166	304847	1458.003	ng/ml	99
24) Hexachlorobenzene	4.556	284	120760	1835.562	ng/ml	92
25) Pentachlorophenol	4.669	266	27086	672.123	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-4.D
Acq On : 25 Aug 2024 07:17 pm
Operator : sv119:jjw
Sample : WG1963468-4,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 13:28:19 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.785	178	453730	1628.910	ng/ml	99
27) Anthracene	4.813	178	474556	1648.933	ng/ml	99
28) Fluoranthene	5.483	202	588258	1538.021	ng/ml	98
29) Pyrene	5.621	202	591279	1491.842	ng/ml	99
32) Benzo[a]anthracene	6.388	228	553036	1685.300	ng/ml	100
34) Chrysene	6.413	228	513941	1587.000	ng/ml	98
37) Benzo[b]fluoranthene	7.264	252	559286	1507.098	ng/ml	100
38) Benzo[k]fluoranthene	7.290	252	523865	1528.017	ng/ml	100
39) Benzo[a]pyrene	7.588	252	491468	1495.305	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.908	276	624243	1878.817	ng/ml	99
41) Dibenzo[a,h]anthracene	8.944	278	527936M6	1783.760	ng/ml	
42) Benzo[g,h,i]perylene	9.261	276	590062	1805.526	ng/ml	98

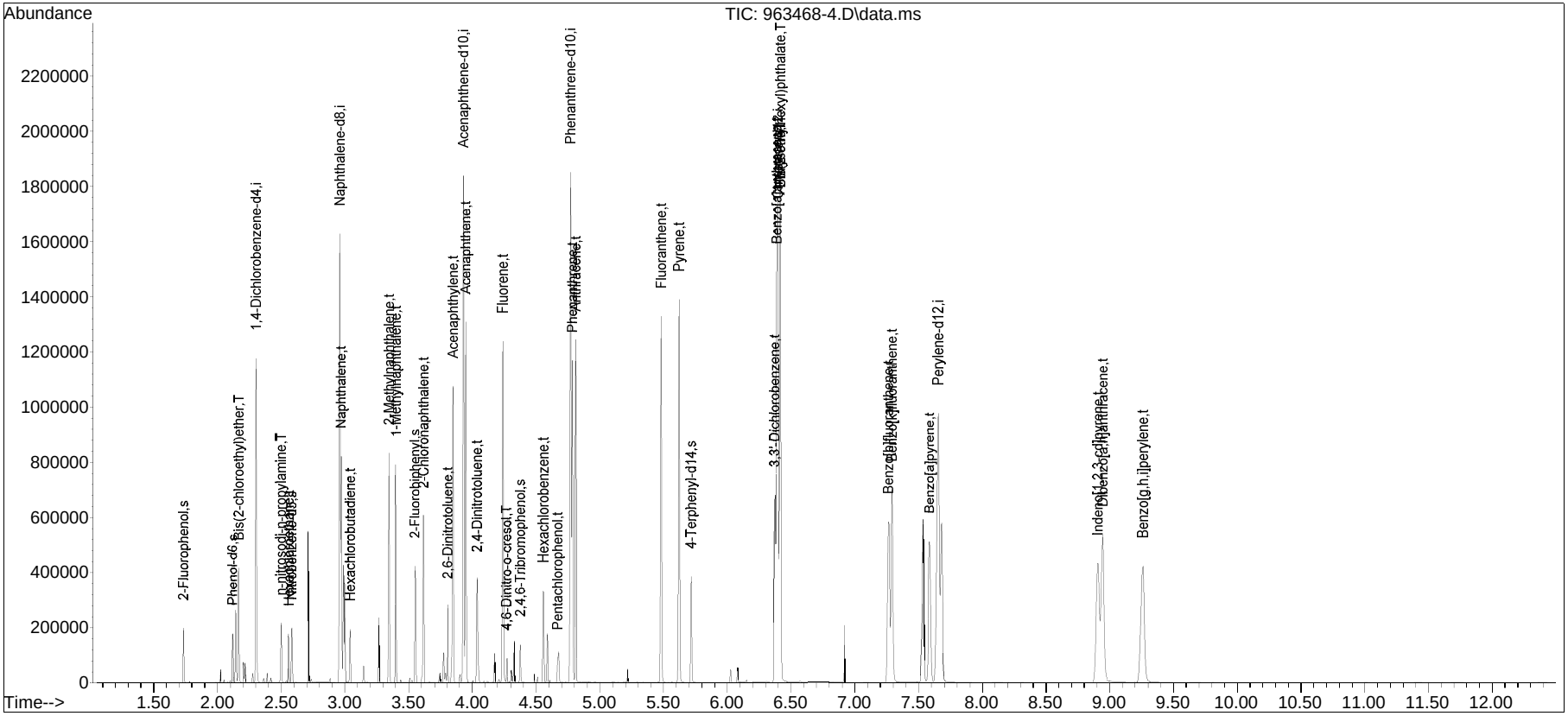
(#) = qualifier out of range (m) = manual integration (+) = signals summed

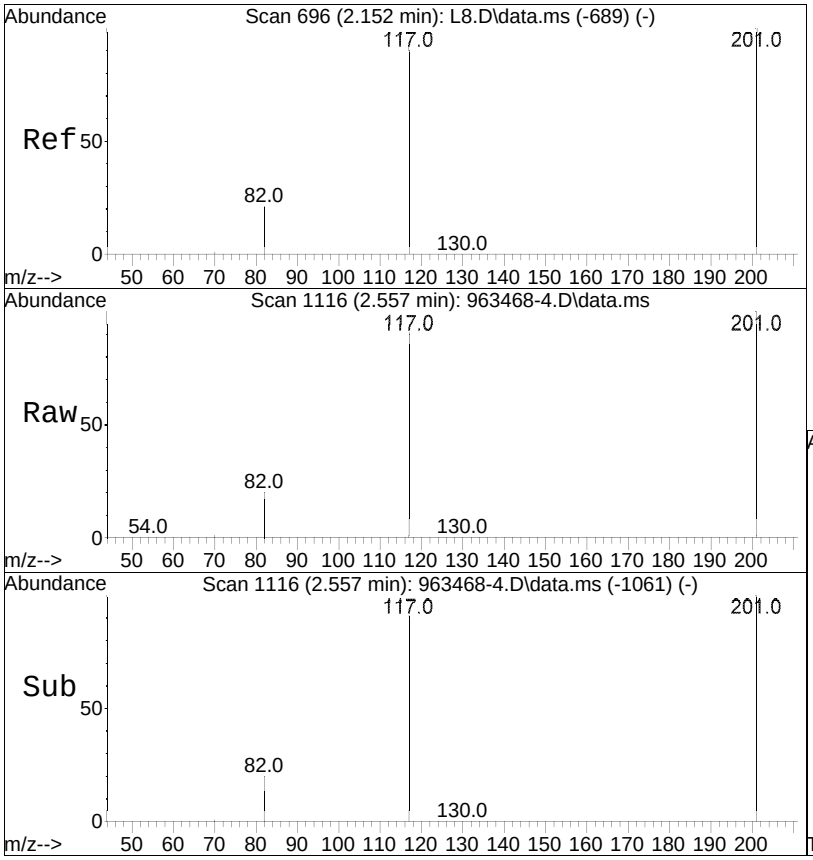
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-4.D
Acq On : 25 Aug 2024 07:17 pm
Operator : sv119:jjw
Sample : WG1963468-4,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 27 13:28:19 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

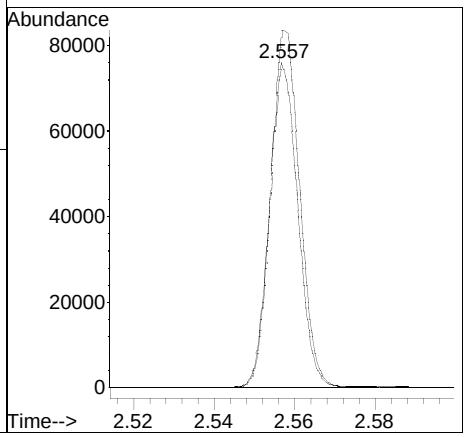


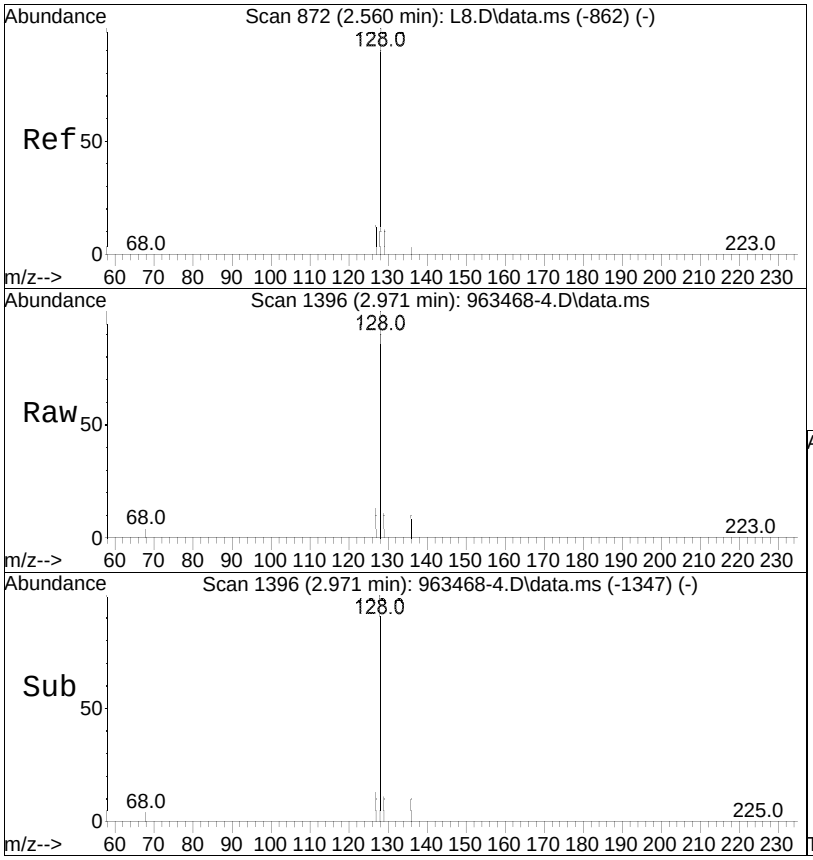


#6
Hexachloroethane
Concen: 1004.05 ng/ml
RT: 2.557 min Scan# 1116
Delta R.T. -0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:117 Resp: 36549

Ion	Ratio	Lower	Upper
117	100		
201	112.6	83.0	124.6

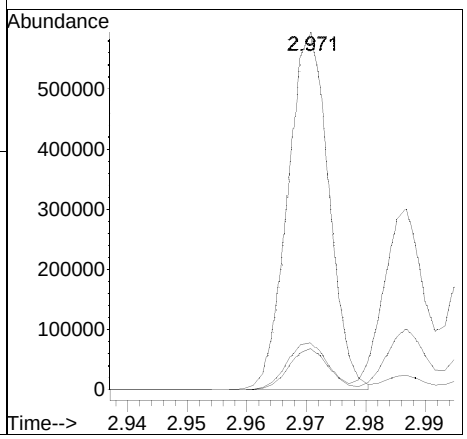


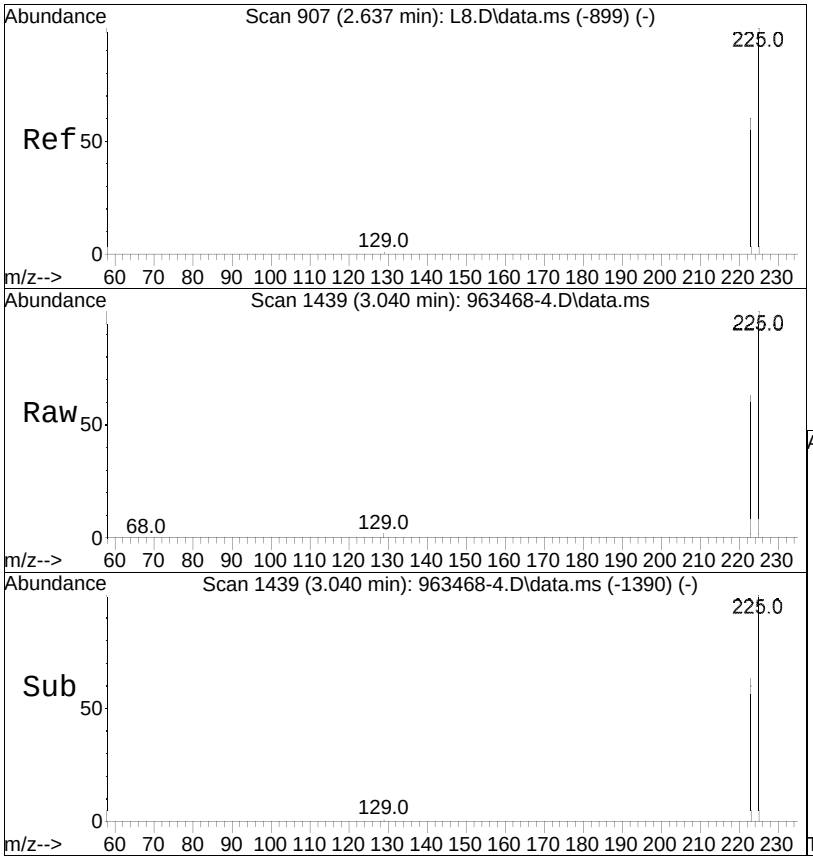


#9
Naphthalene
Concen: 1260.09 ng/ml
RT: 2.971 min Scan# 1396
Delta R.T. -0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:128 Resp: 283818

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.2	10.6	15.8

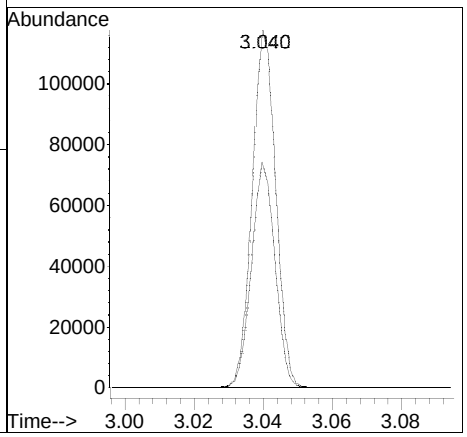


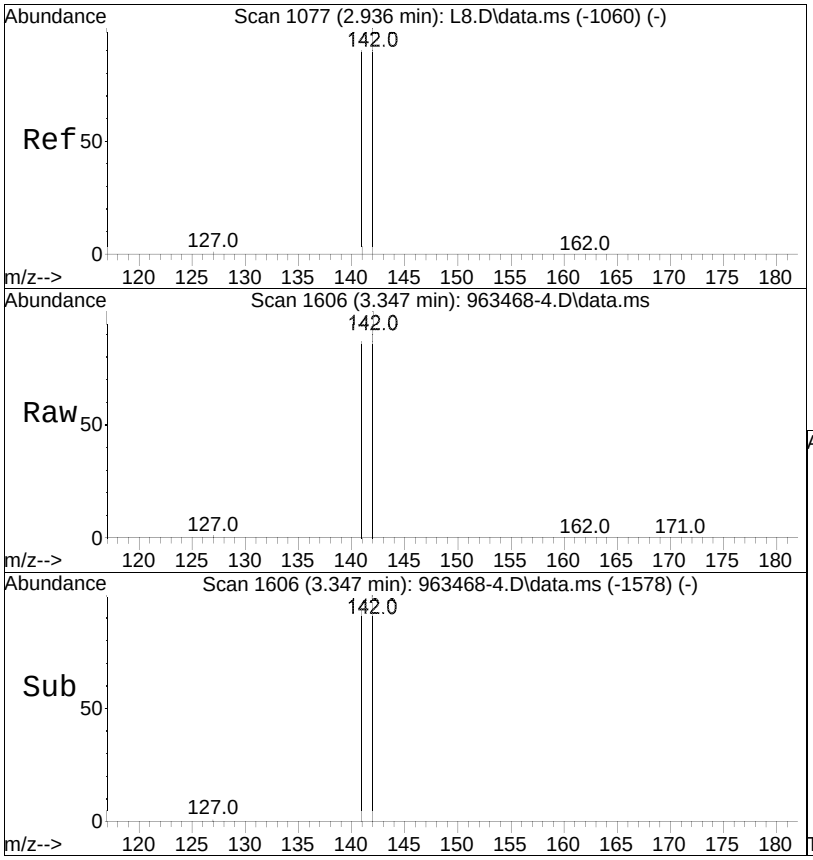


#10
Hexachlorobutadiene
Concen: 1080.89 ng/ml
RT: 3.040 min Scan# 1439
Delta R.T. -0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:225 Resp: 54647

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2

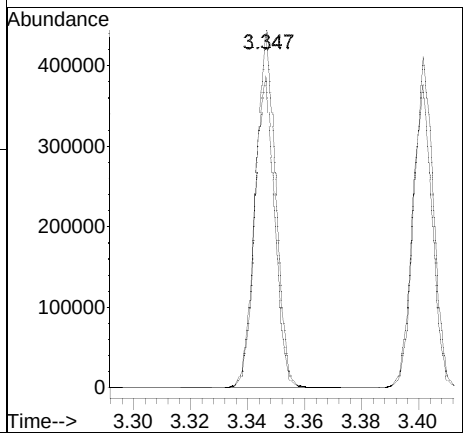


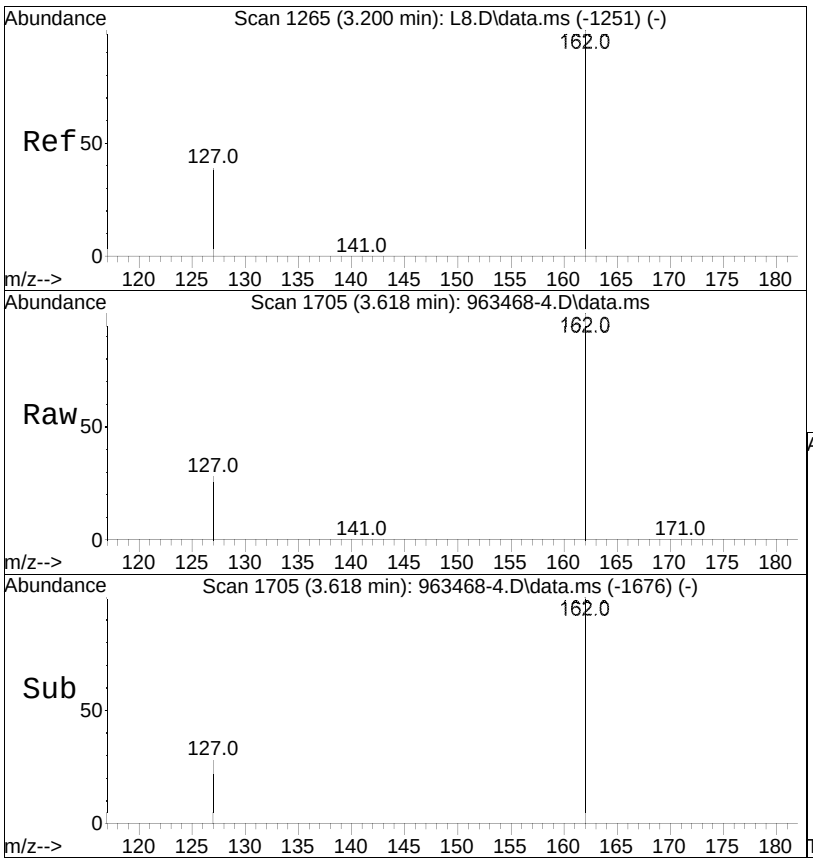


#11
2-Methylnaphthalene
Concen: 1262.18 ng/ml
RT: 3.347 min Scan# 1606
Delta R.T. -0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:142 Resp: 213652

Ion	Ratio	Lower	Upper
142	100		
141	89.5	72.3	108.5

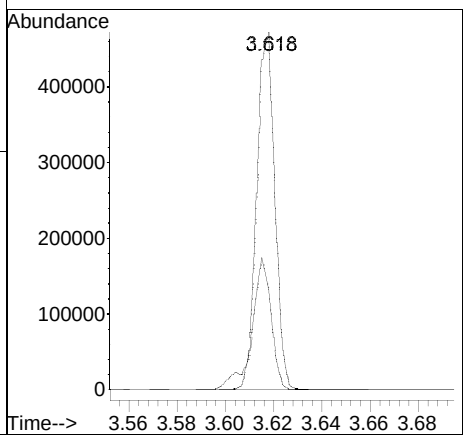


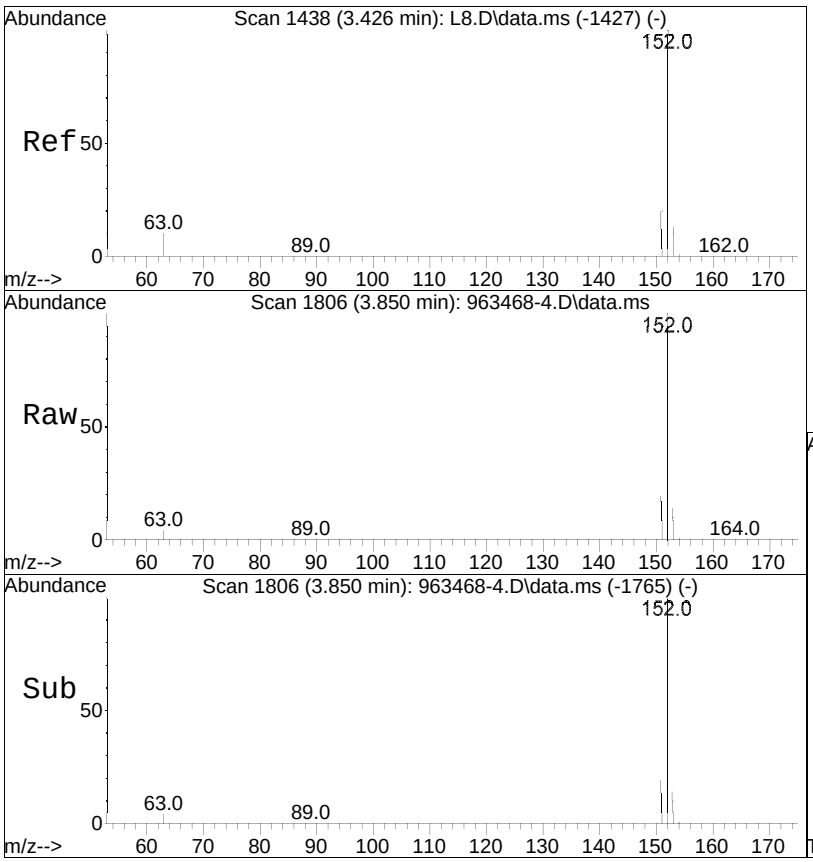


#14
2-Chloronaphthalene
Concen: 1313.11 ng/ml
RT: 3.618 min Scan# 1705
Delta R.T. 0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:162 Resp: 239473

Ion	Ratio	Lower	Upper
162	100		
127	39.6	32.0	48.0

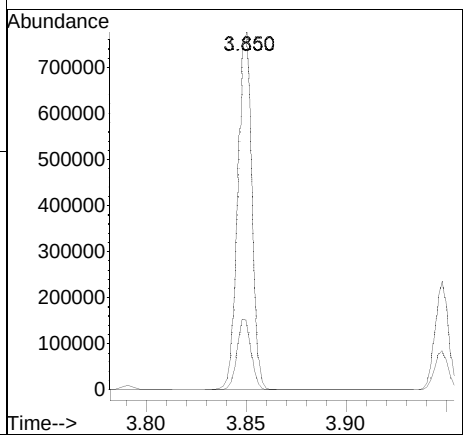


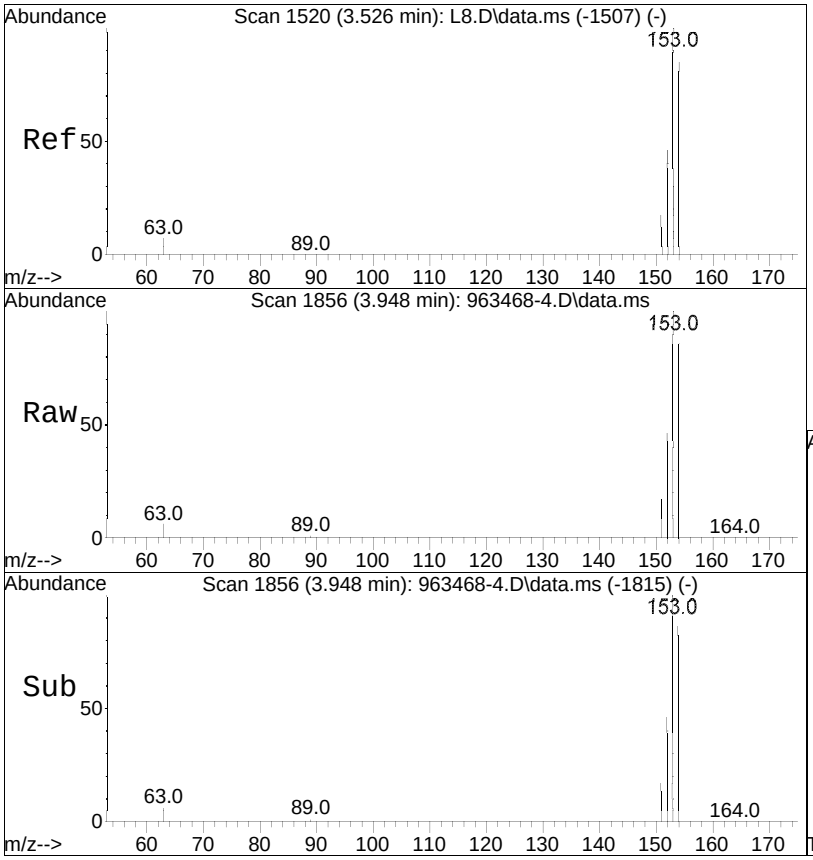


#16
Acenaphthylene
Concen: 1293.53 ng/ml
RT: 3.850 min Scan# 1806
Delta R.T. 0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:152 Resp: 376891

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0

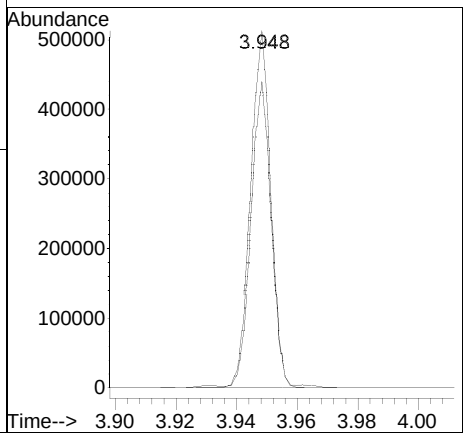


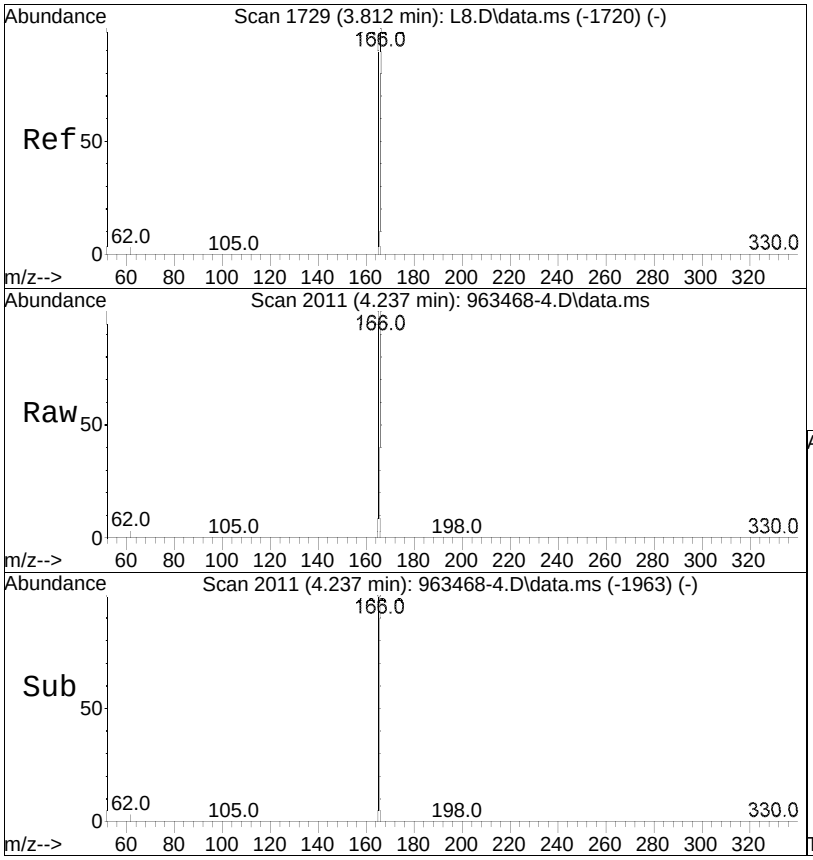


#18
Acenaphthene
Concen: 1489.26 ng/ml
RT: 3.948 min Scan# 1856
Delta R.T. 0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:153 Resp: 236247

Ion	Ratio	Lower	Upper
153	100		
154	86.1	68.1	102.1

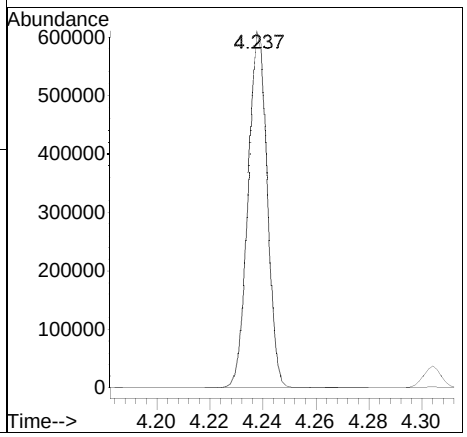


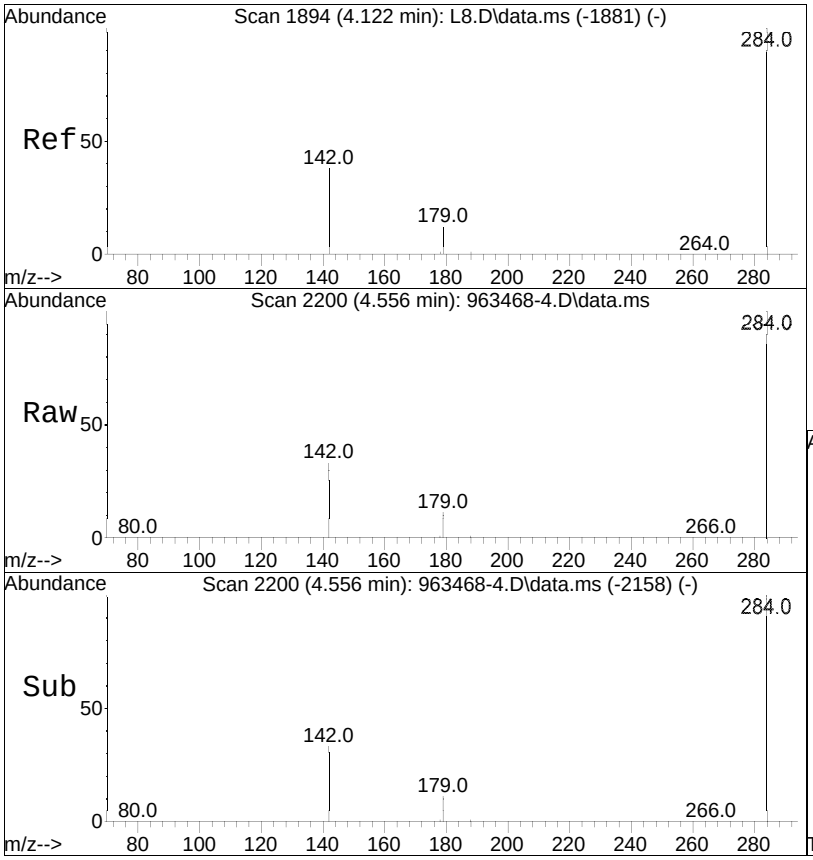


#20
Fluorene
Concen: 1458.00 ng/ml
RT: 4.237 min Scan# 2011
Delta R.T. 0.000 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:166 Resp: 304847

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.3	118.9

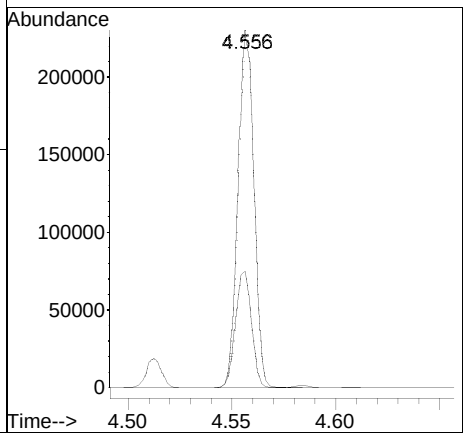


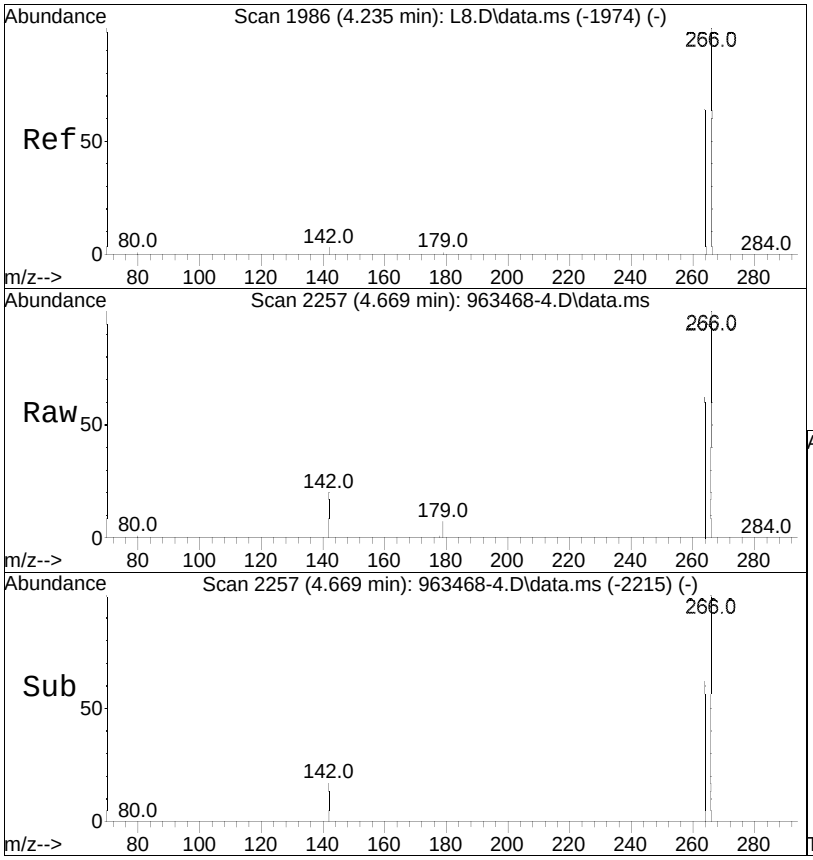


#24
Hexachlorobenzene
Concen: 1835.56 ng/ml
RT: 4.556 min Scan# 2200
Delta R.T. 0.000 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:284 Resp: 120760

Ion	Ratio	Lower	Upper
284	100		
142	33.0	30.0	45.0

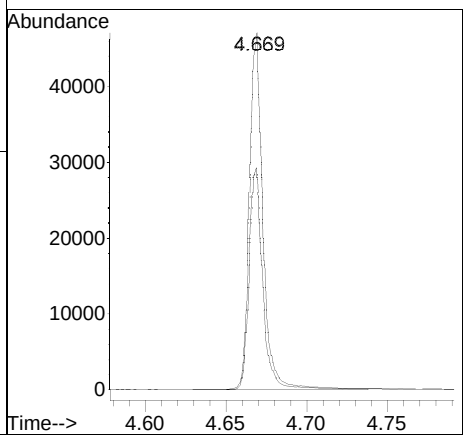


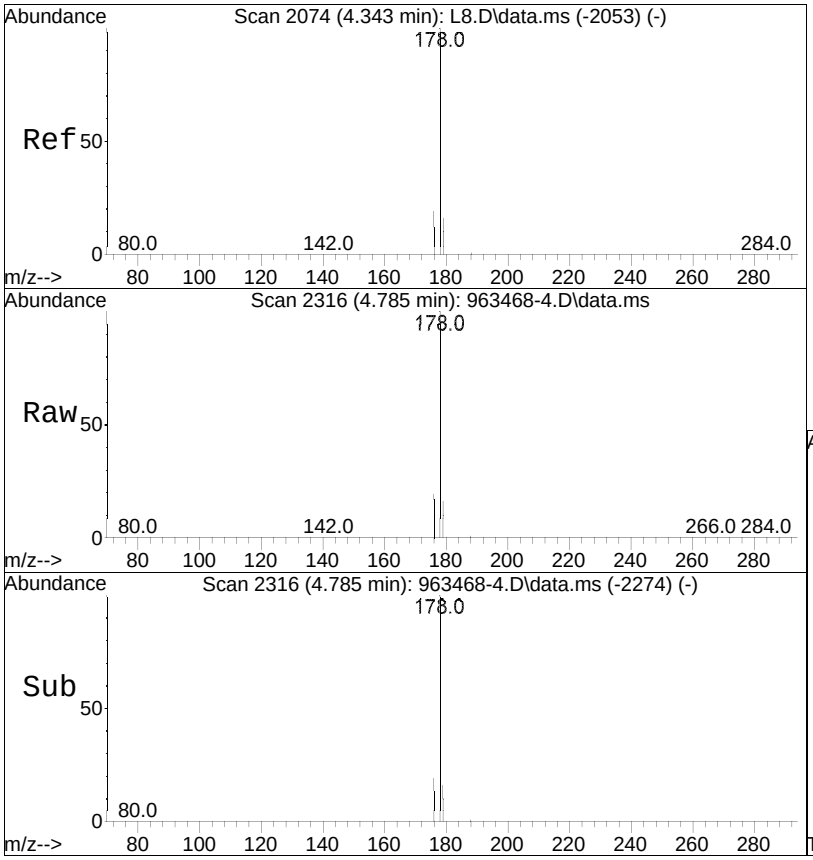


#25
Pentachlorophenol
Concen: 672.12 ng/ml
RT: 4.669 min Scan# 2257
Delta R.T. 0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:266 Resp: 27086

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.9	74.9

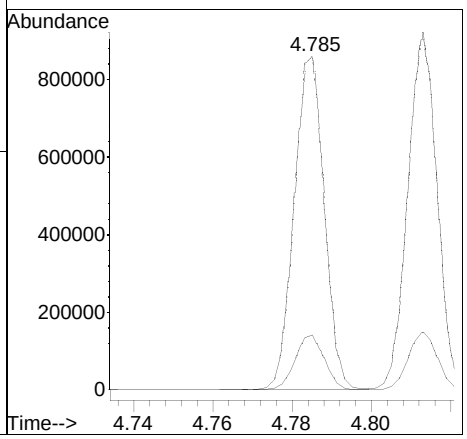


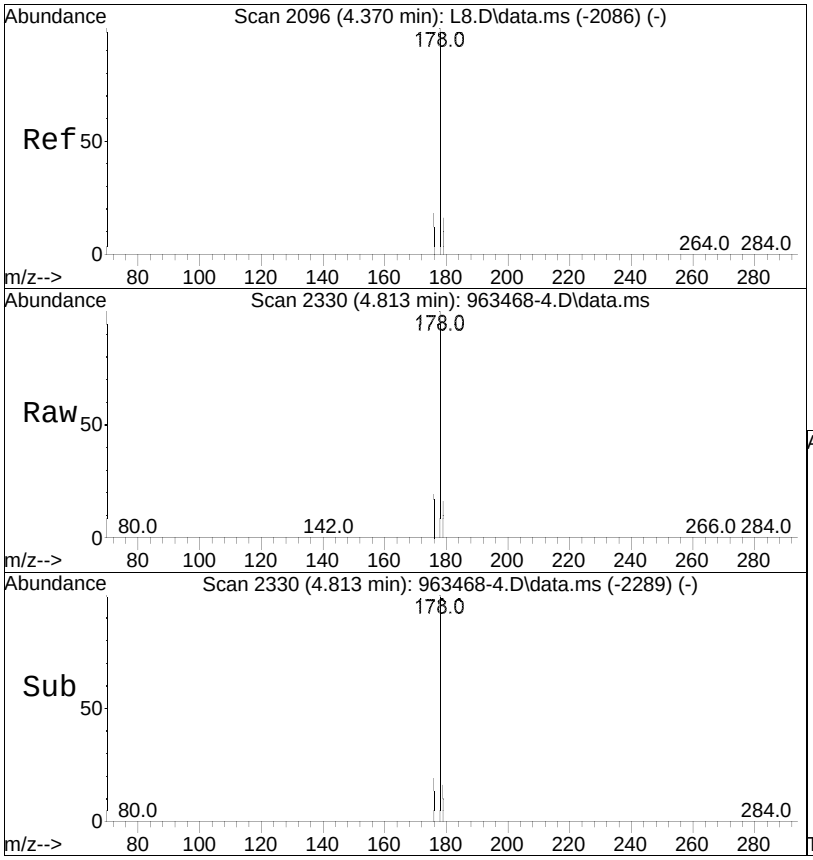


#26
Phenanthrene
Concen: 1628.91 ng/ml
RT: 4.785 min Scan# 2316
Delta R.T. 0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:178 Resp: 453730

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.6	18.8

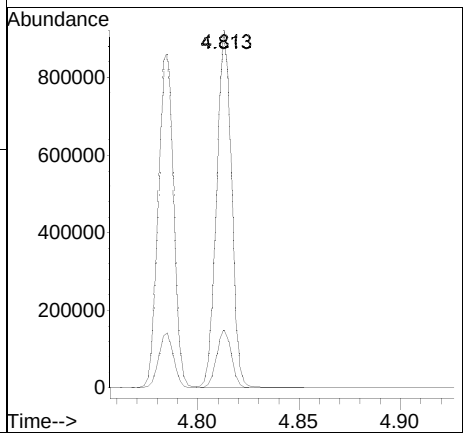


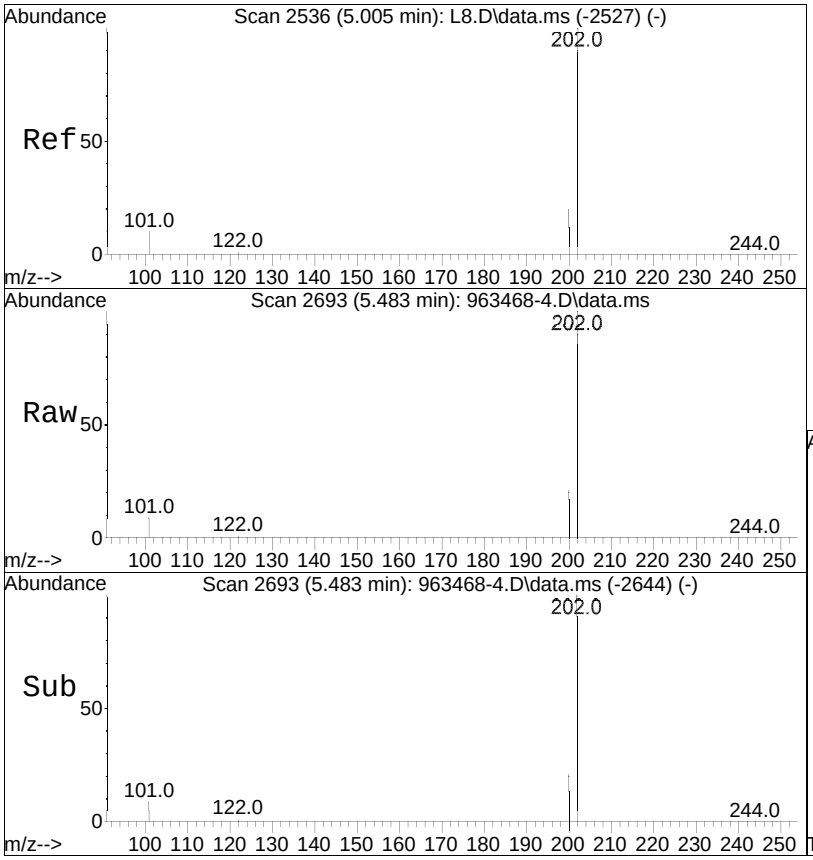


#27
Anthracene
Concen: 1648.93 ng/ml
RT: 4.813 min Scan# 2330
Delta R.T. 0.000 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:178 Resp: 474556

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6

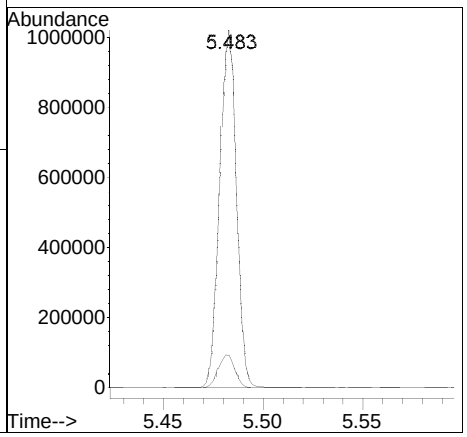


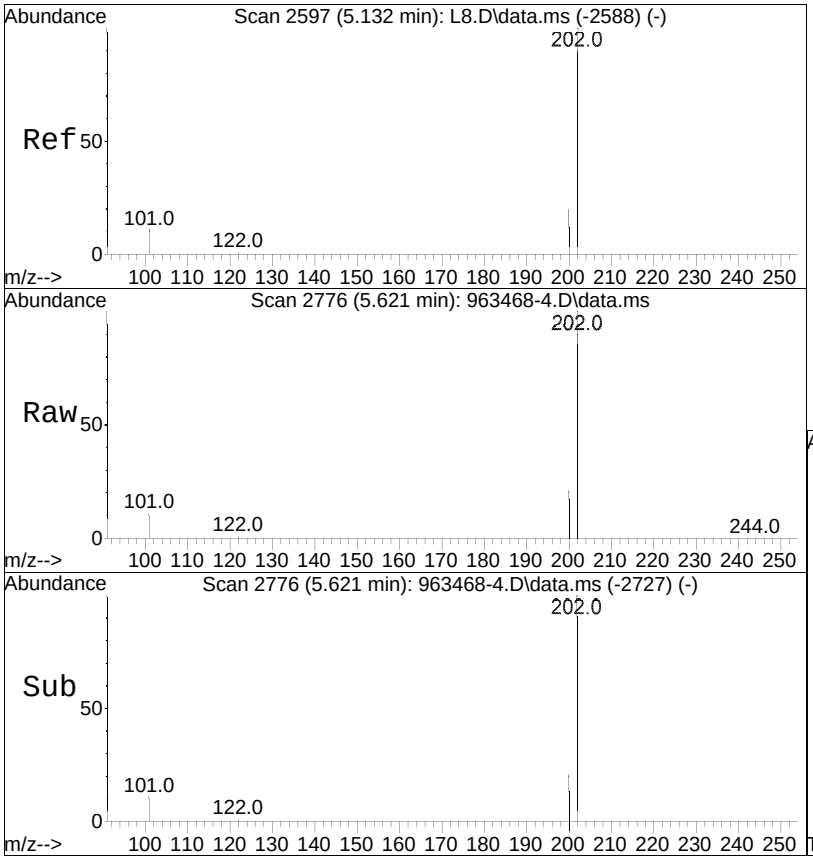


#28
Fluoranthene
Concen: 1538.02 ng/ml
RT: 5.483 min Scan# 2693
Delta R.T. 0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:202 Resp: 588258

Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.1	12.1

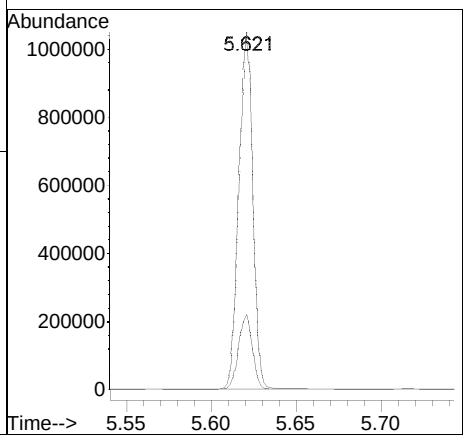


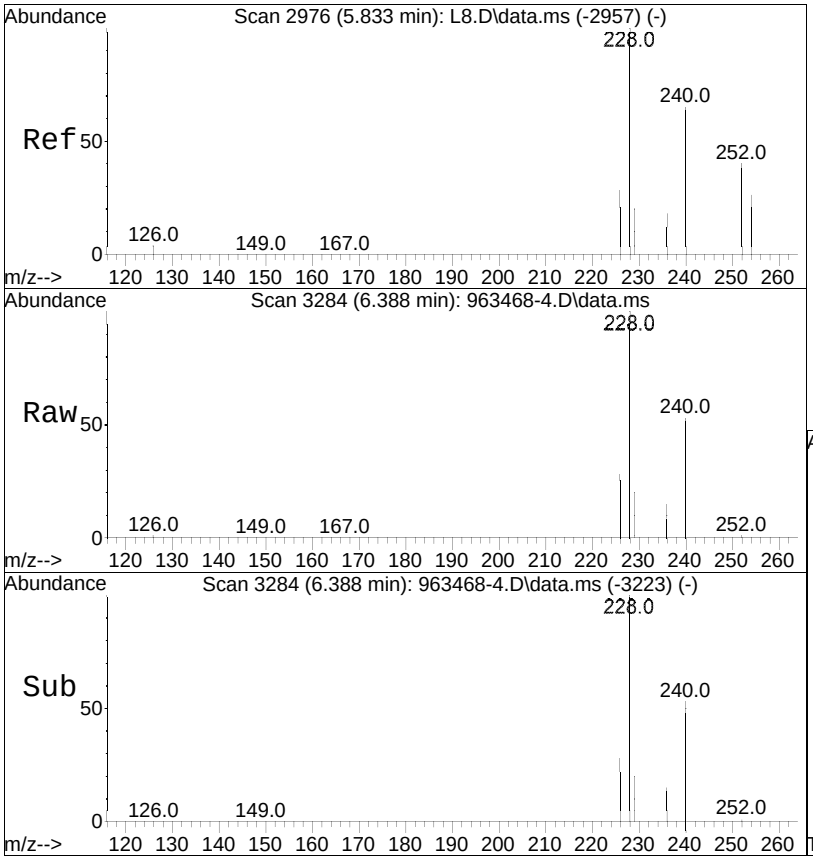


#29
Pyrene
Concen: 1491.84 ng/ml
RT: 5.621 min Scan# 2776
Delta R.T. 0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:202 Resp: 591279

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7

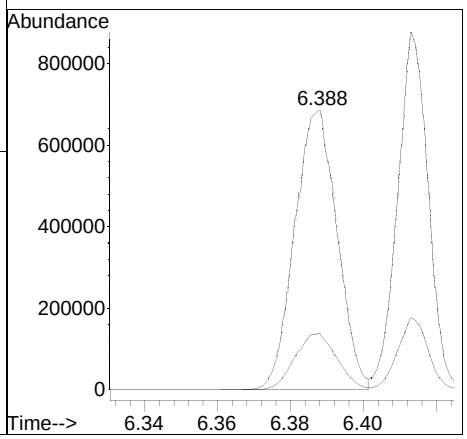


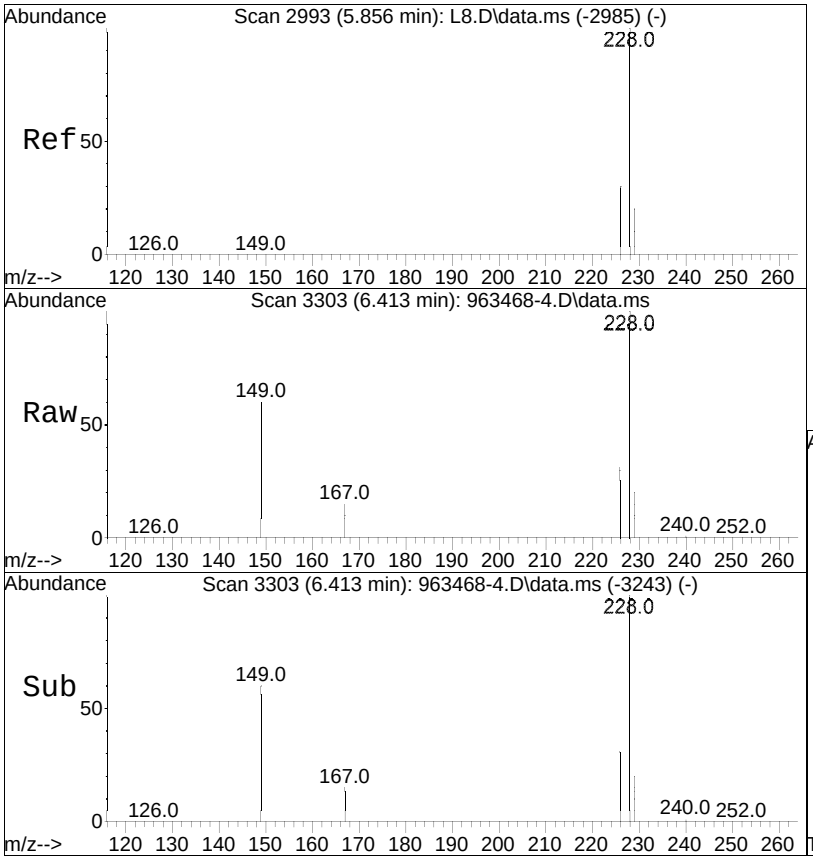


#32
Benzo[a]anthracene
Concen: 1685.30 ng/ml
RT: 6.388 min Scan# 3284
Delta R.T. 0.000 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:228 Resp: 553036

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

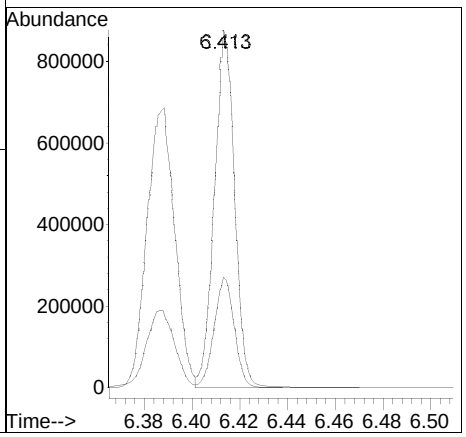


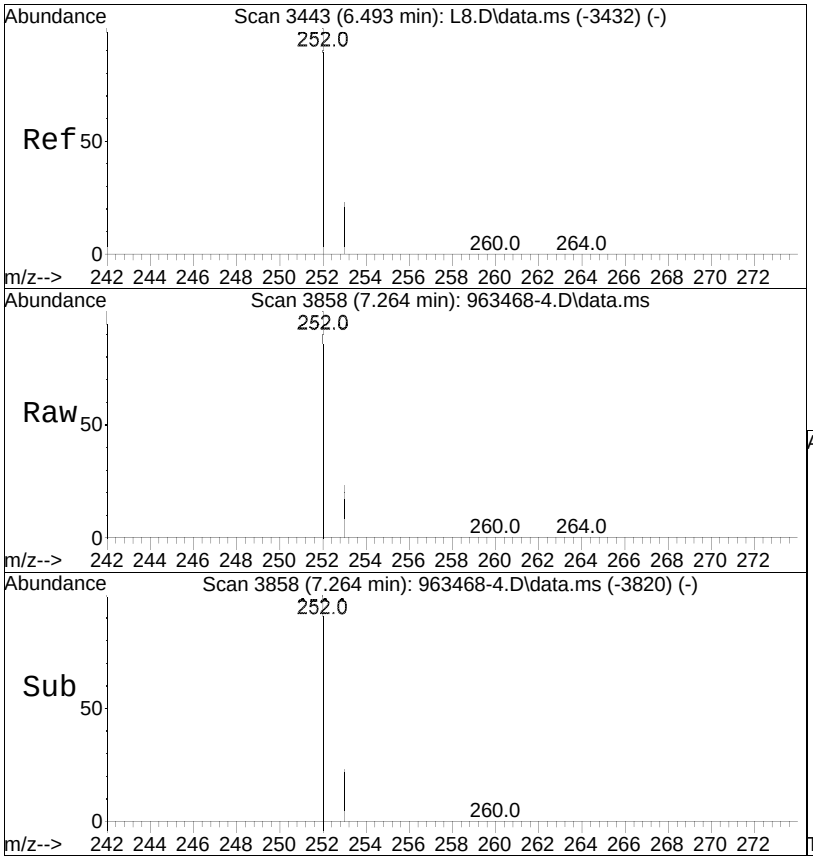


#34
Chrysene
Concen: 1587.00 ng/ml
RT: 6.413 min Scan# 3303
Delta R.T. -0.001 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:228 Resp: 513941

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9

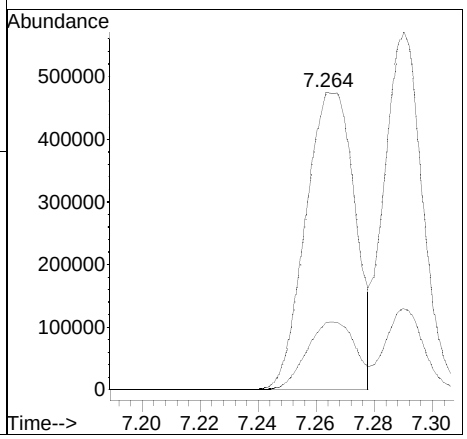


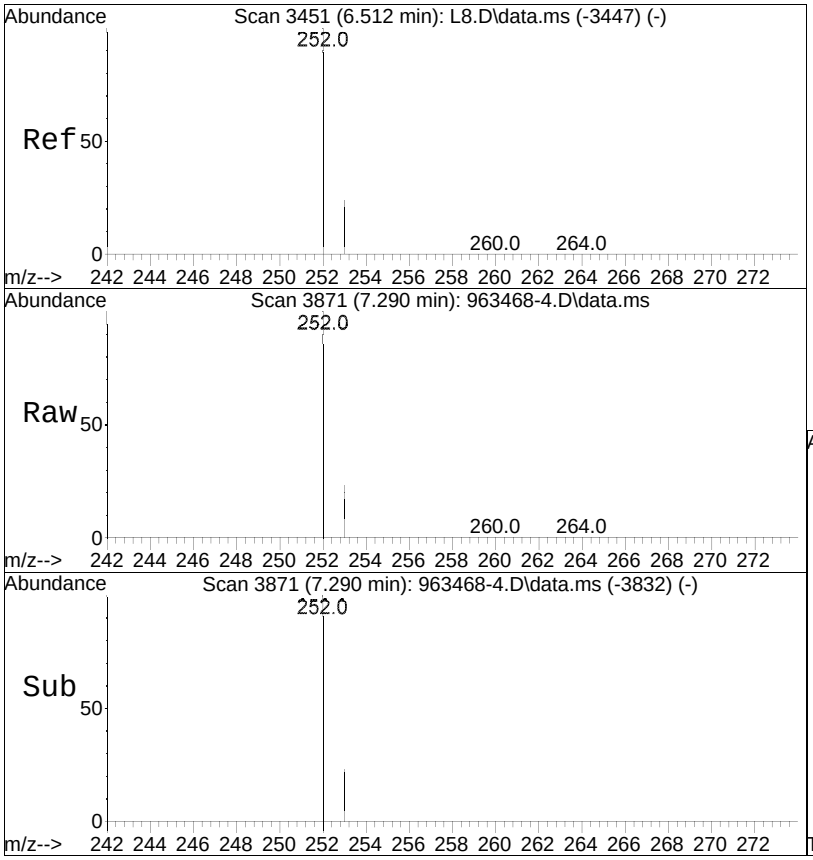


#37
Benzo[b]fluoranthene
Concen: 1507.10 ng/ml
RT: 7.264 min Scan# 3858
Delta R.T. -0.002 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:252 Resp: 559286

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0

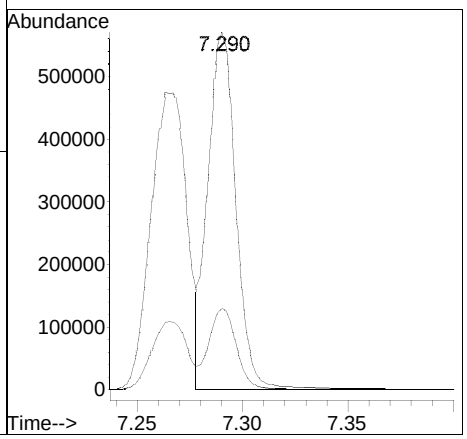


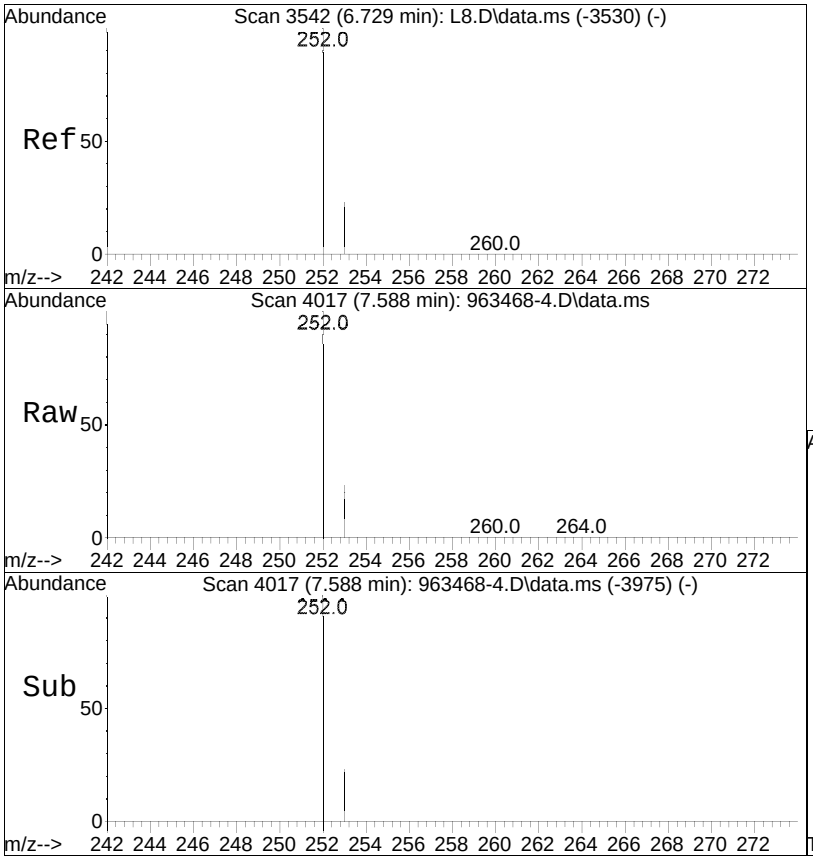


#38
Benzo[k]fluoranthene
Concen: 1528.02 ng/ml
RT: 7.290 min Scan# 3871
Delta R.T. 0.000 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:252 Resp: 523865

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5

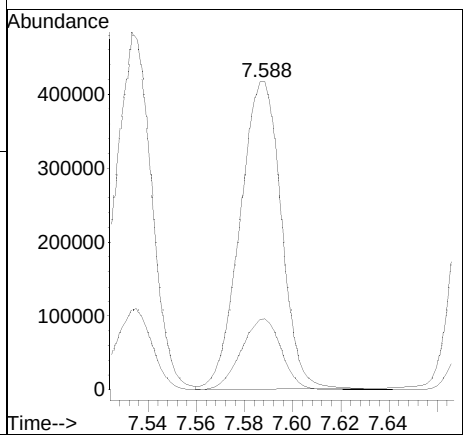


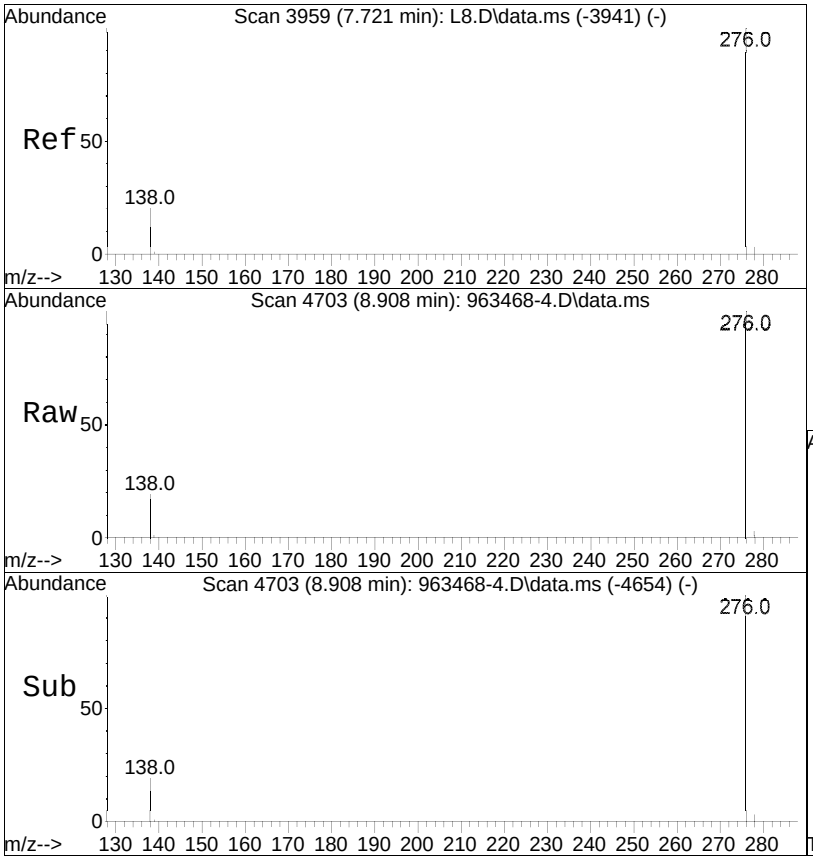


#39
Benzo[a]pyrene
Concen: 1495.31 ng/ml
RT: 7.588 min Scan# 4017
Delta R.T. 0.006 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:252 Resp: 491468

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9

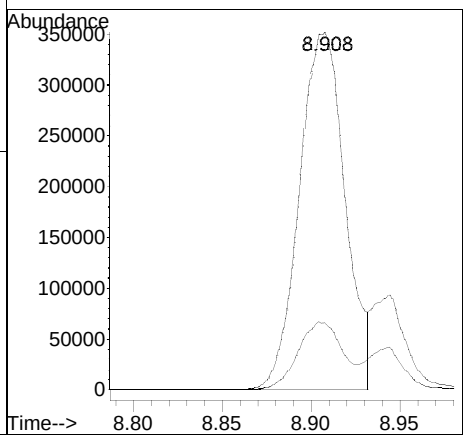


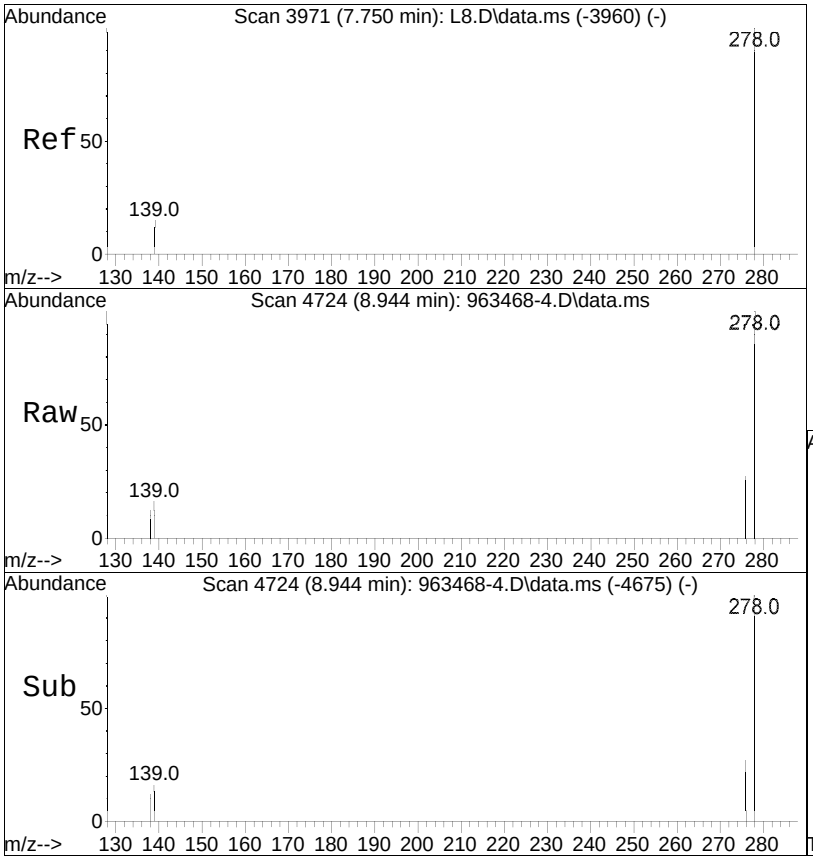


#40
Indeno[1,2,3-cd]pyrene
Concen: 1878.82 ng/ml
RT: 8.908 min Scan# 4703
Delta R.T. 0.006 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:276 Resp: 624243

Ion	Ratio	Lower	Upper
276	100		
138	18.3	15.1	22.7

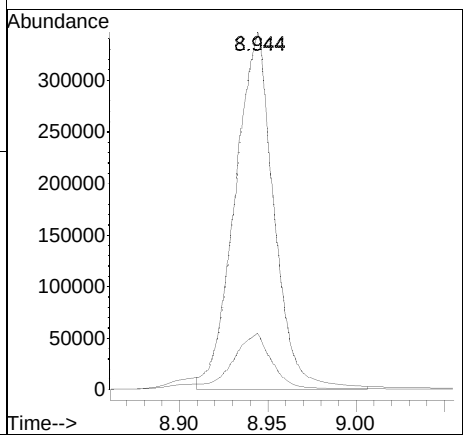


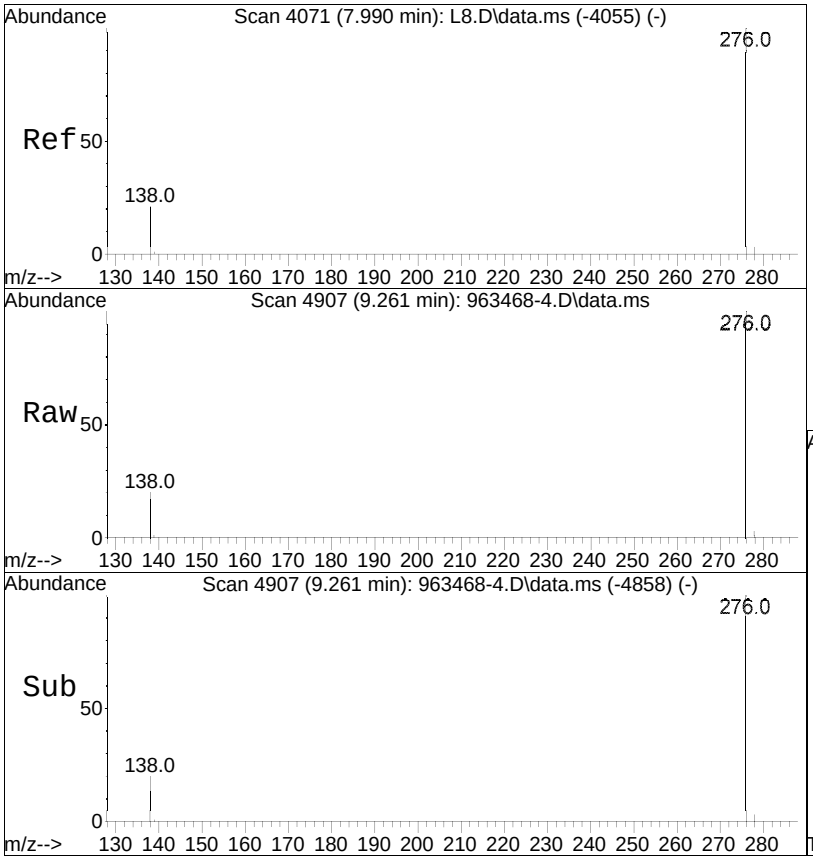


#41
Dibenzo[a,h]anthracene
Concen: 1783.76 ng/ml M6
RT: 8.944 min Scan# 4724
Delta R.T. 0.006 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:278 Resp: 527936

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.3	19.9

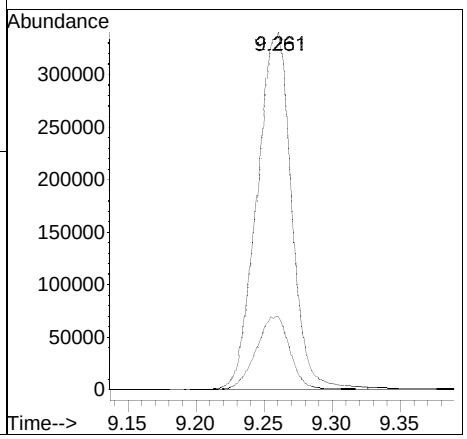




#42
Benzo[g,h,i]perylene
Concen: 1805.53 ng/ml
RT: 9.261 min Scan# 4907
Delta R.T. 0.006 min
Lab File: 963468-4.D
Acq: 25 Aug 2024 07:17 pm

Tgt Ion:276 Resp: 590062

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.9	25.3

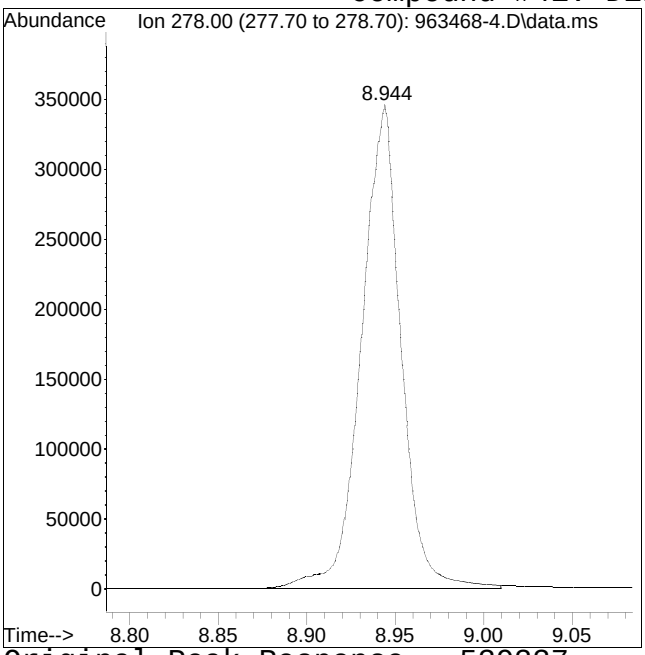


Manual Integration Report

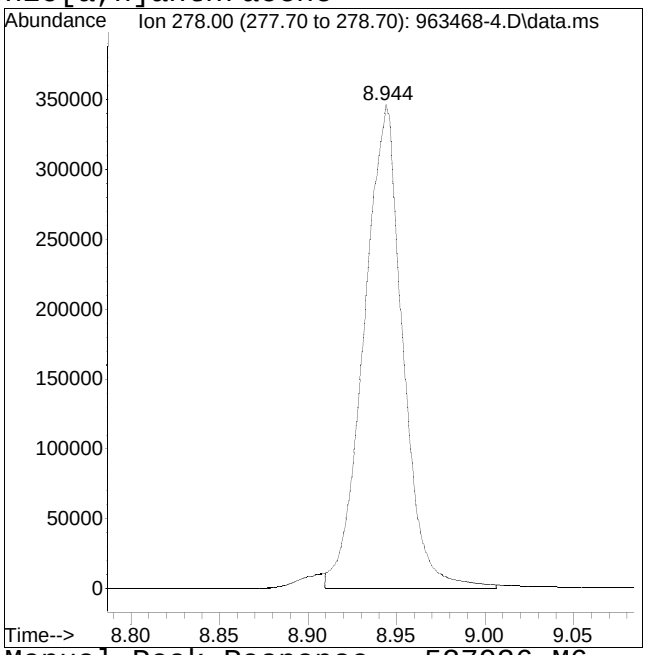
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 963468-4.D
Date Inj'd : 8/25/2024 7:17 pm
Sample : WG1963468-4,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 7:31 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 539337



Manual Peak Response = 527936 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-5.D
Acq On : 25 Aug 2024 07:33 pm
Operator : sv119:jjw
Sample : WG1963468-5,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 27 13:29:45 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.301	152	213559	4000.000	ng/ml	0.00
Standard Area 1 = 292472			Recovery = 73.02%			
8) Naphthalene-d8	2.959	136	799228	4000.000	ng/ml	0.00
Standard Area 1 = 1019441			Recovery = 78.40%			
17) Acenaphthene-d10	3.931	164	452993	4000.000	ng/ml	0.00
Standard Area 1 = 567003			Recovery = 79.89%			
22) Phenanthrene-d10	4.772	188	954862	4000.000	ng/ml	0.00
Standard Area 1 = 1214066			Recovery = 78.65%			
31) Chrysene-d12	6.398	240	888259	4000.000	ng/ml	0.00
Standard Area 1 = 1114425			Recovery = 79.71%			
36) Perylene-d12	7.656	264	940415	4000.000	ng/ml	0.00
Standard Area 1 = 1176794			Recovery = 79.91%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.729	112	25874	343.458	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 17.17%			
3) Phenol-d6	2.117	99	40764	429.028	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 21.45%			
7) Nitrobenzene-d5	2.579	82	57815	693.689	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.37%			
13) 2-Fluorobiphenyl	3.551	172	154045	745.544	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.55%			
21) 2,4,6-Tribromophenol	4.376	330	20482	647.574	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 32.38%			
30) 4-Terphenyl-d14	5.716	244	201189	762.177	ng/ml	0.00
Spiked Amount 2000.000	Range 30 - 130		Recovery = 38.11%			
Target Compounds						Qvalue
6) Hexachloroethane	2.556	117	37105	1047.228	ng/ml	91
9) Naphthalene	2.970	128	289417	1311.631	ng/ml	100
10) Hexachlorobutadiene	3.039	225	56014	1130.938	ng/ml	100
11) 2-Methylnaphthalene	3.348	142	220238	1328.112	ng/ml	98
14) 2-Chloronaphthalene	3.616	162	248539	1391.120	ng/ml	99
16) Acenaphthylene	3.849	152	386138	1352.793	ng/ml	100
18) Acenaphthene	3.948	153	243746	1541.515	ng/ml	100
20) Fluorene	4.238	166	311692	1495.575	ng/ml	99
24) Hexachlorobenzene	4.557	284	122430	1867.345	ng/ml	93
25) Pentachlorophenol	4.669	266	4268	112.781	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-5.D
Acq On : 25 Aug 2024 07:33 pm
Operator : sv119:jjw
Sample : WG1963468-5,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 27 13:29:45 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\240825RVT\ccv0825.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Phenanthrene	4.784	178	454831	1638.476	ng/ml	99
27) Anthracene	4.813	178	480425	1675.065	ng/ml	99
28) Fluoranthene	5.483	202	588411	1543.711	ng/ml	98
29) Pyrene	5.621	202	603447	1527.777	ng/ml	99
32) Benzo[a]anthracene	6.390	228	566269	1690.423	ng/ml	100
34) Chrysene	6.415	228	527339	1595.130	ng/ml	98
37) Benzo[b]fluoranthene	7.266	252	571512	1467.301	ng/ml	98
38) Benzo[k]fluoranthene	7.292	252	555172	1542.847	ng/ml	98
39) Benzo[a]pyrene	7.589	252	510365	1479.456	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.911	276	658843	1889.293	ng/ml	99
41) Dibenzo[a,h]anthracene	8.946	278	549853M6	1770.061	ng/ml	
42) Benzo[g,h,i]perylene	9.261	276	607026	1769.701	ng/ml	99

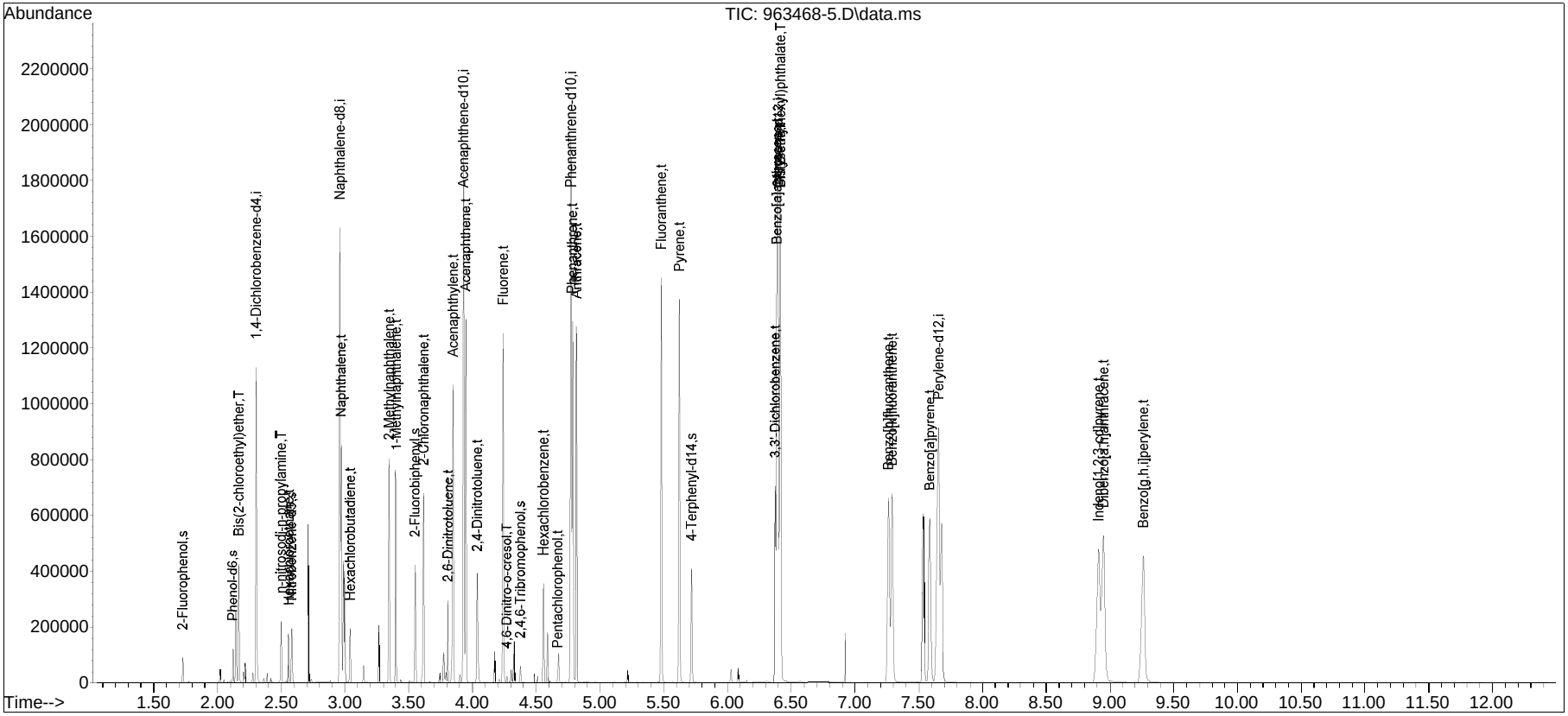
(#) = qualifier out of range (m) = manual integration (+) = signals summed

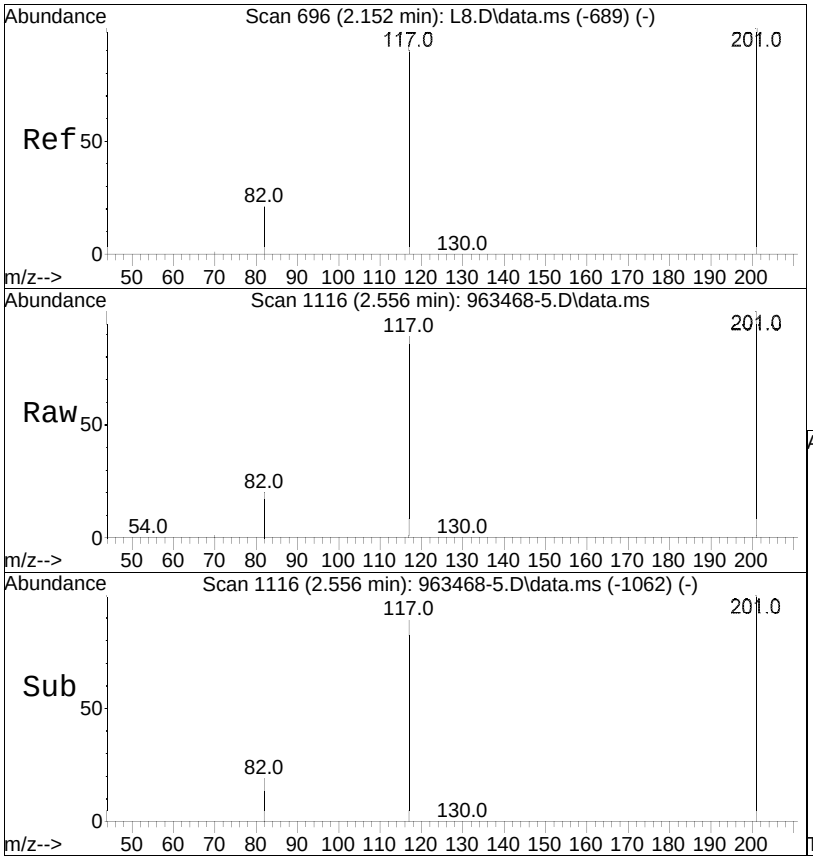
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\240825RVT\
Data File : 963468-5.D
Acq On : 25 Aug 2024 07:33 pm
Operator : sv119:jjw
Sample : WG1963468-5,32,,jjw
Misc : WG1963571,WG1963468,ical21236
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Aug 27 13:29:45 2024
Quant Method : I:\8270sim\sv119\240825RVT\SIM-RVT_240621_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Aug 25 11:26:31 2024
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0825.D•

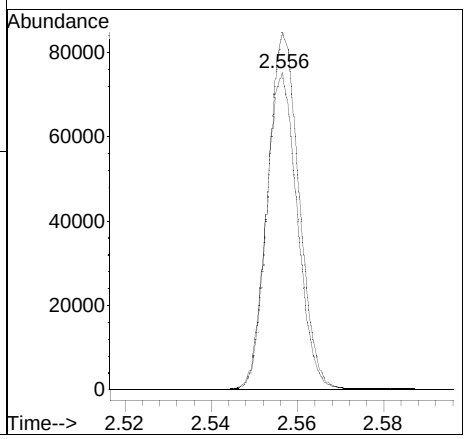


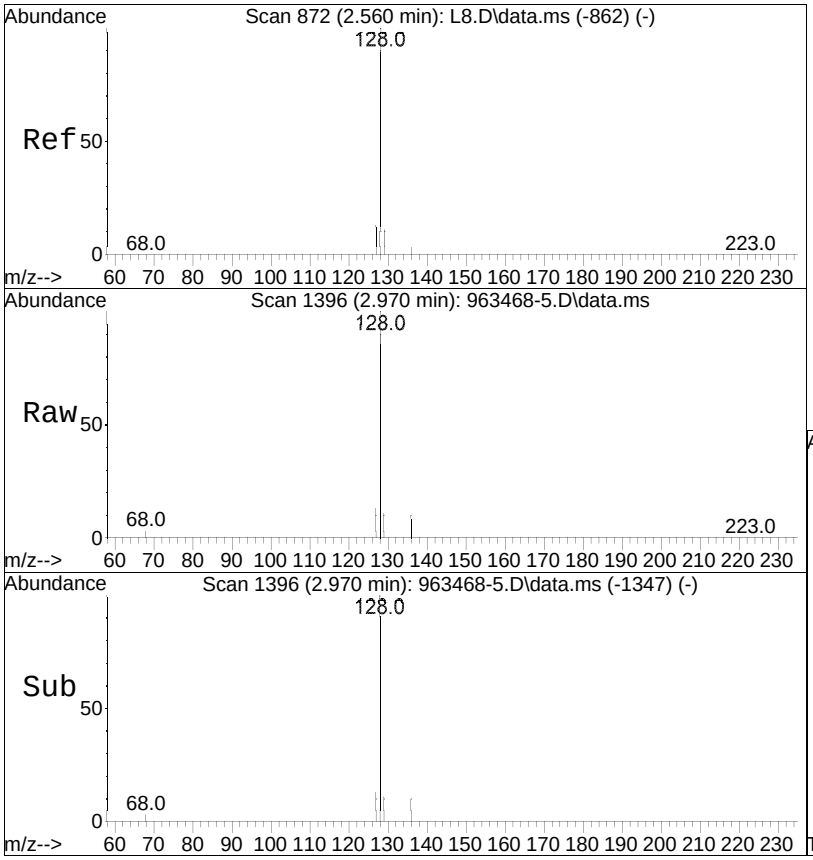


#6
Hexachloroethane
Concen: 1047.23 ng/ml
RT: 2.556 min Scan# 1116
Delta R.T. -0.003 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:117 Resp: 37105

Ion	Ratio	Lower	Upper
117	100		
201	112.9	83.0	124.6

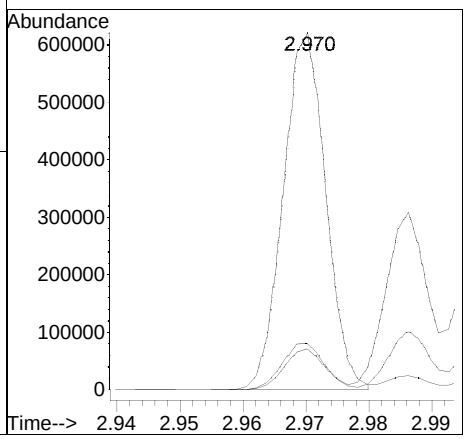


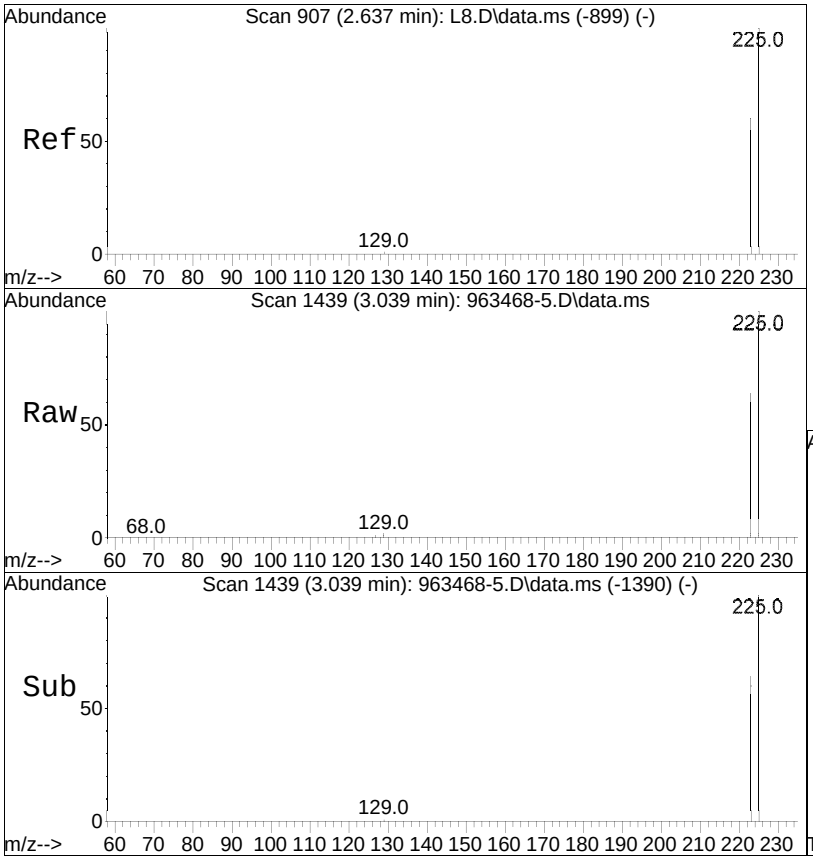


#9
Naphthalene
Concen: 1311.63 ng/ml
RT: 2.970 min Scan# 1396
Delta R.T. -0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:128 Resp: 289417

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.1	10.6	15.8

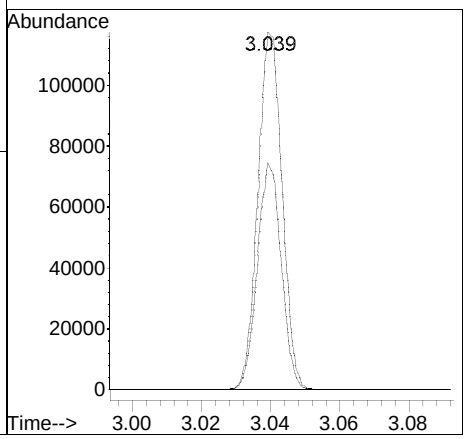


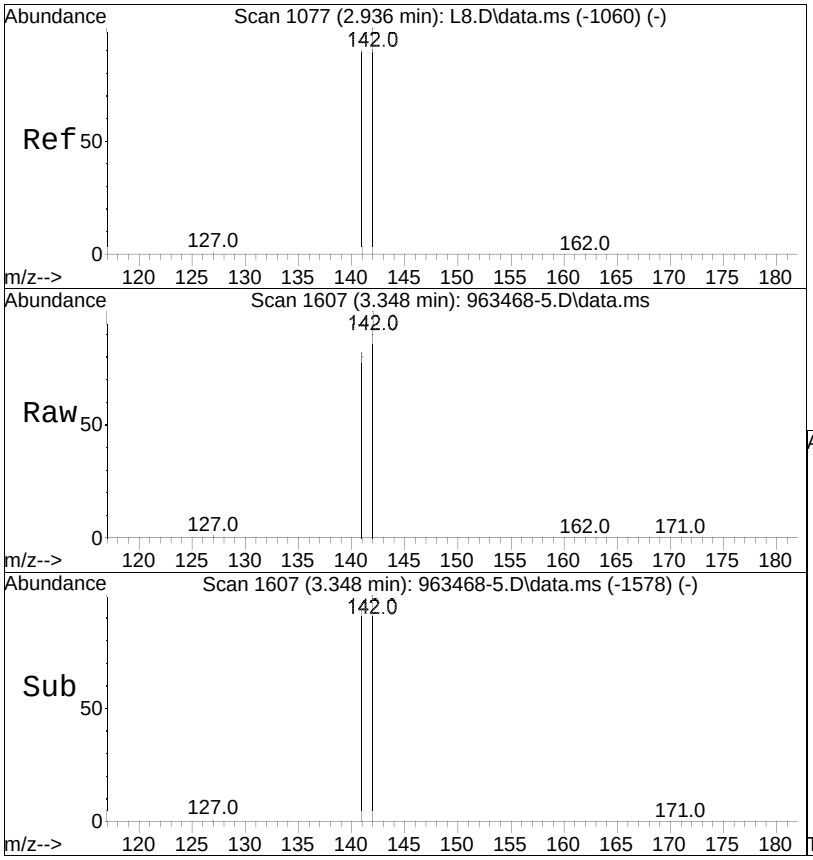


#10
Hexachlorobutadiene
Concen: 1130.94 ng/ml
RT: 3.039 min Scan# 1439
Delta R.T. -0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:225 Resp: 56014

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

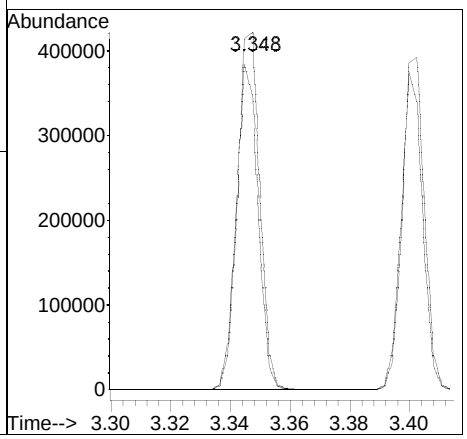


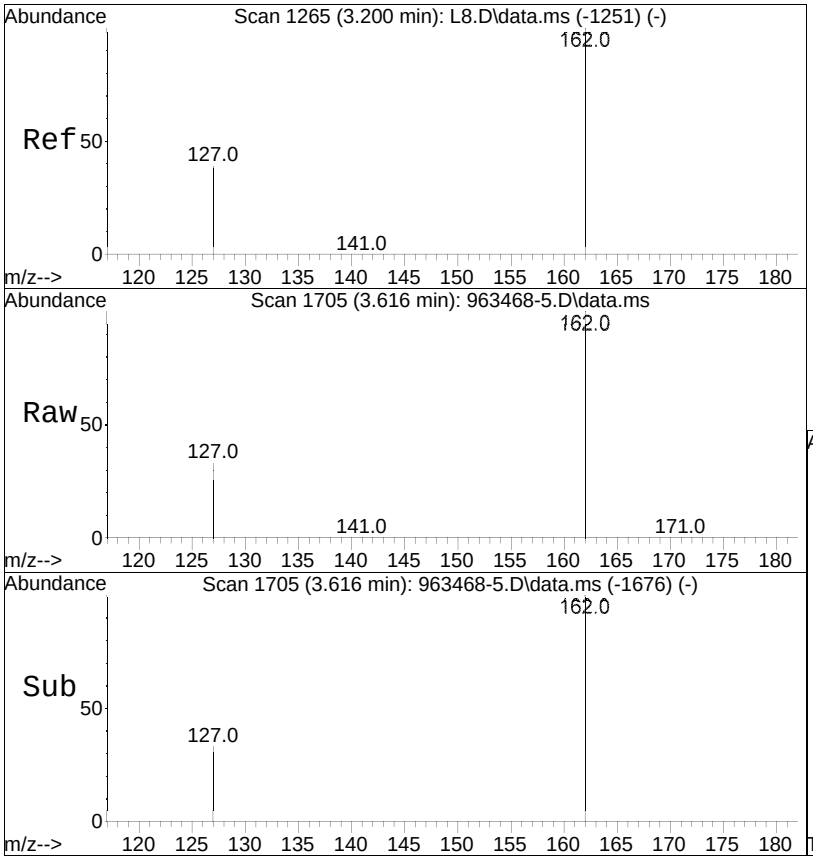


#11
2-Methylnaphthalene
Concen: 1328.11 ng/ml
RT: 3.348 min Scan# 1607
Delta R.T. -0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:142 Resp: 220238

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.3	108.5

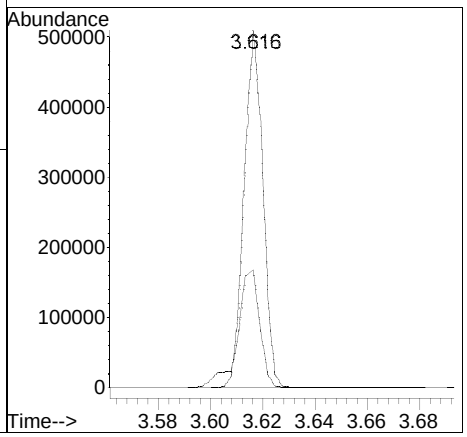


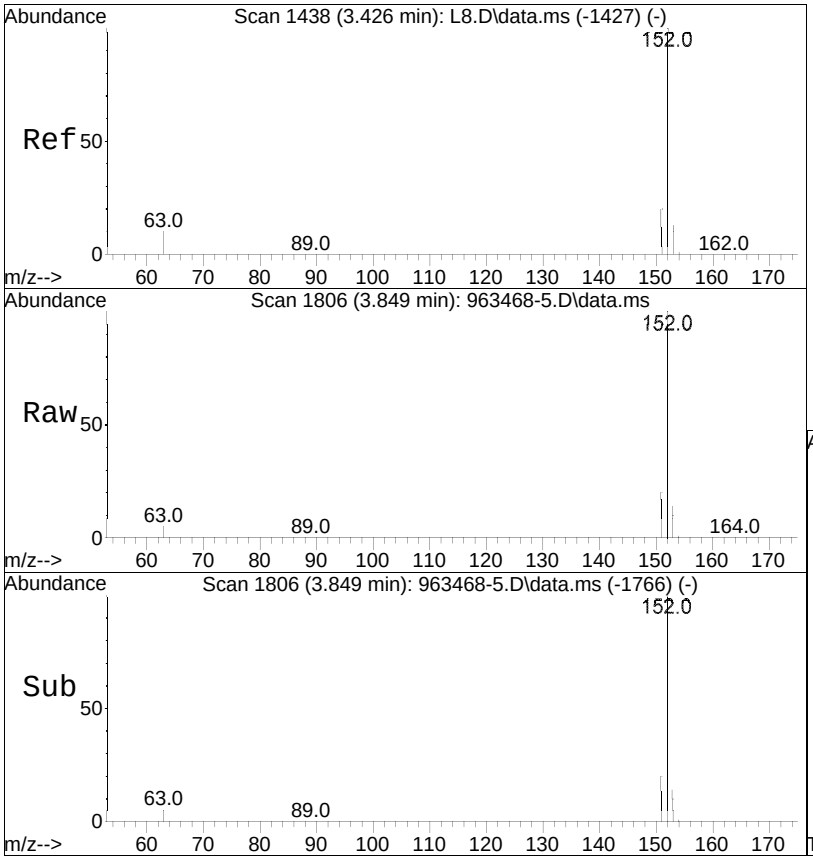


#14
2-Chloronaphthalene
Concen: 1391.12 ng/ml
RT: 3.616 min Scan# 1705
Delta R.T. -0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:162 Resp: 248539

Ion	Ratio	Lower	Upper
162	100		
127	39.3	32.0	48.0

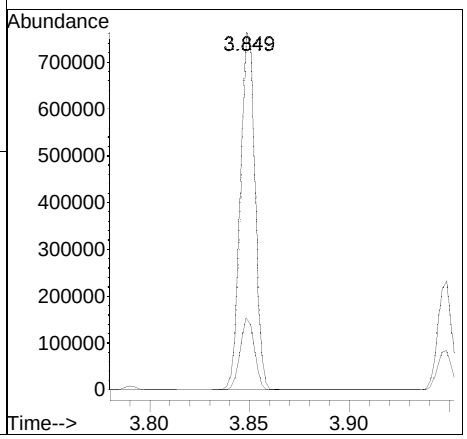


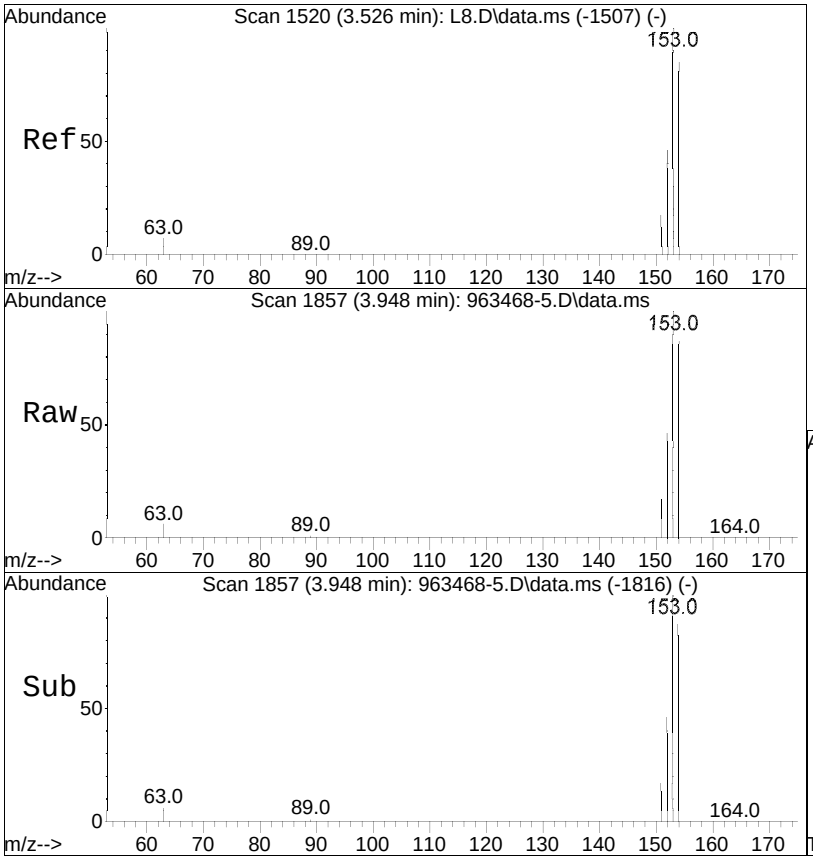


#16
Acenaphthylene
Concen: 1352.79 ng/ml
RT: 3.849 min Scan# 1806
Delta R.T. -0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:152 Resp: 386138

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

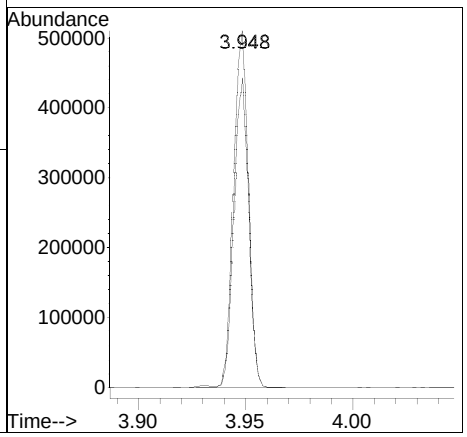


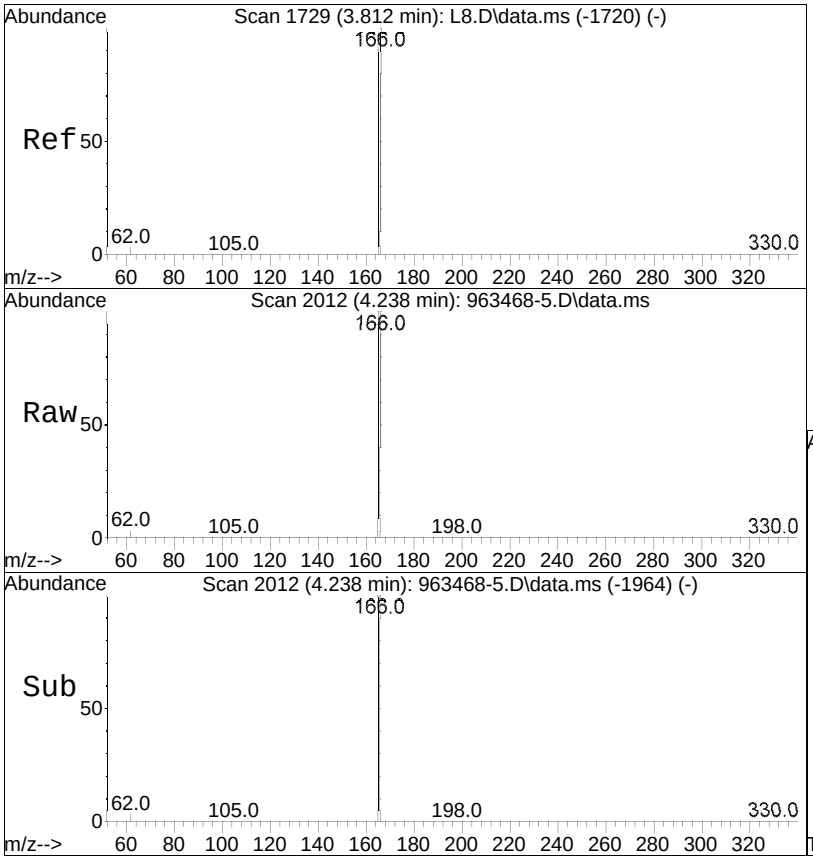


#18
Acenaphthene
Concen: 1541.52 ng/ml
RT: 3.948 min Scan# 1857
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:153 Resp: 243746

Ion	Ratio	Lower	Upper
153	100		
154	85.5	68.1	102.1

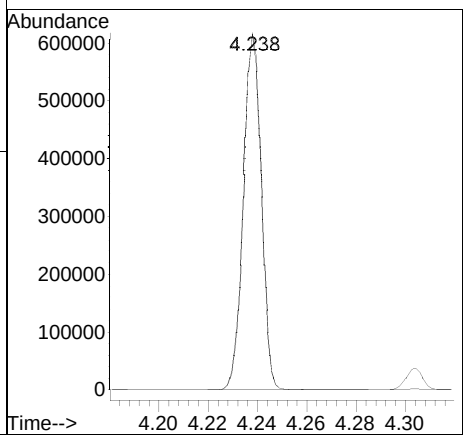


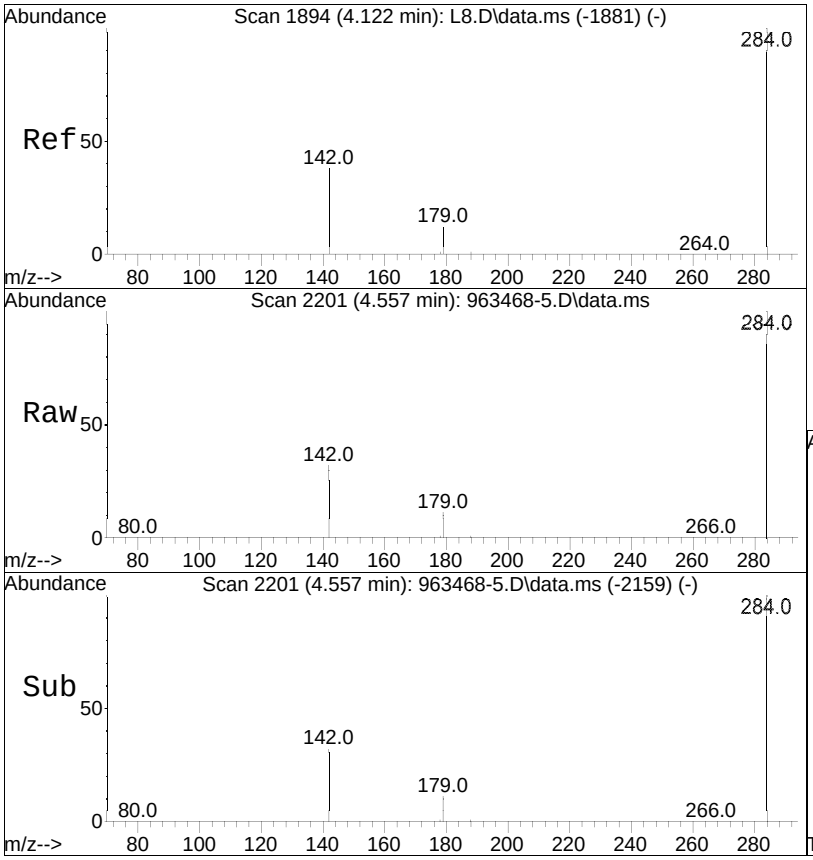


#20
Fluorene
Concen: 1495.57 ng/ml
RT: 4.238 min Scan# 2012
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:166 Resp: 311692

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.3	118.9

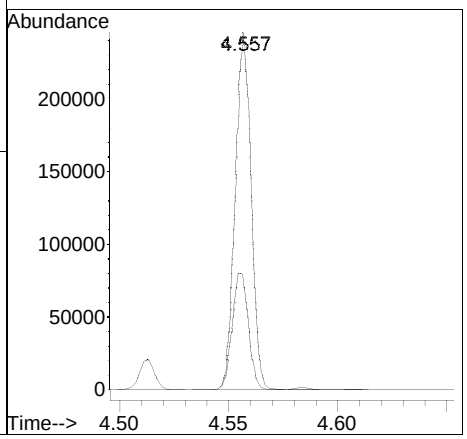


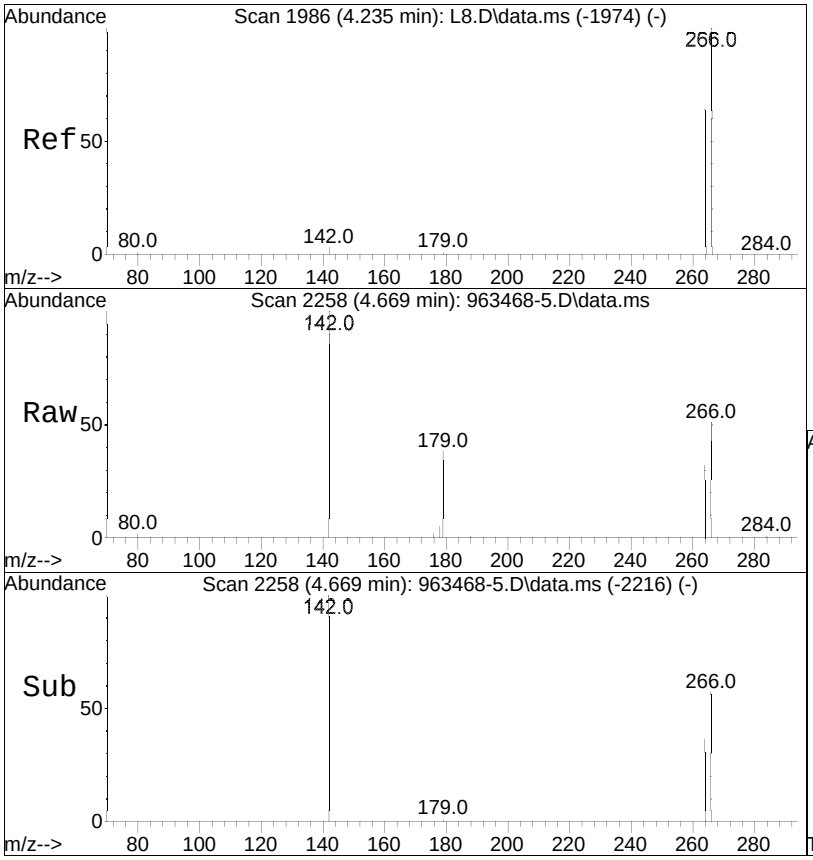


#24
Hexachlorobenzene
Concen: 1867.34 ng/ml
RT: 4.557 min Scan# 2201
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:284 Resp: 122430

Ion	Ratio	Lower	Upper
284	100		
142	33.6	30.0	45.0

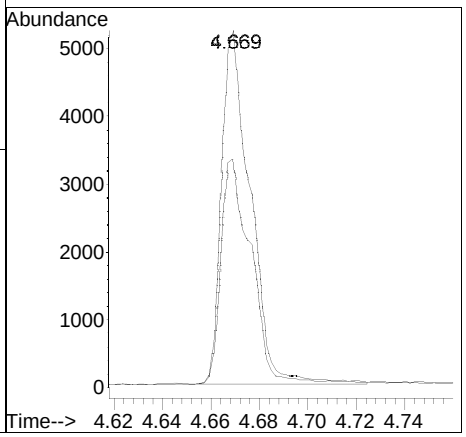


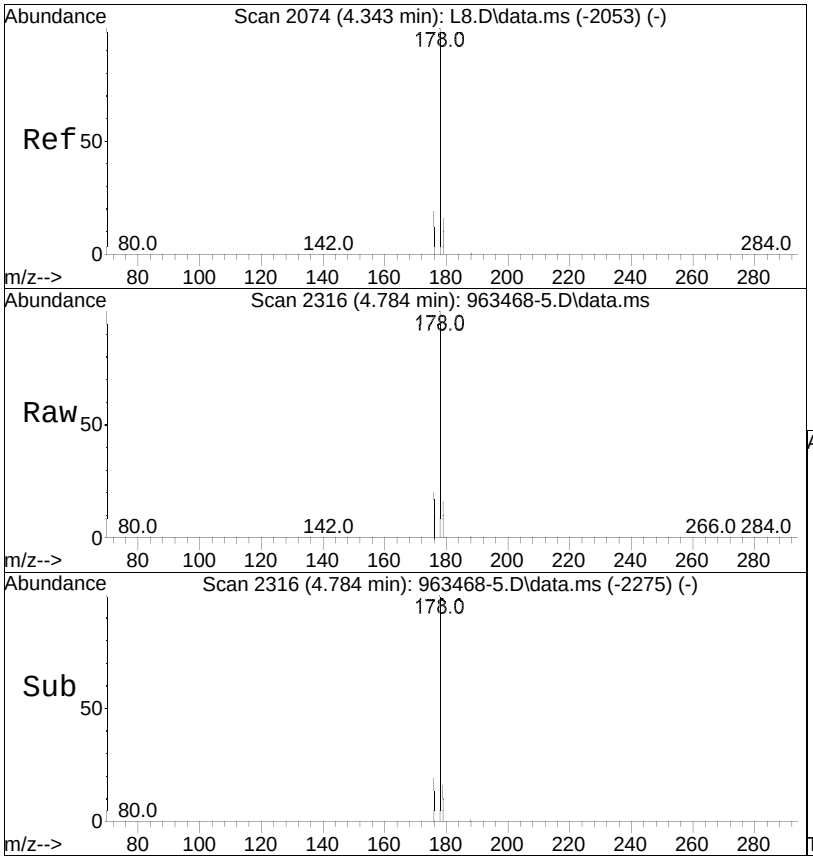


#25
Pentachlorophenol
Concen: 112.78 ng/ml
RT: 4.669 min Scan# 2258
Delta R.T. 0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:266 Resp: 4268

Ion	Ratio	Lower	Upper
266	100		
264	66.3	49.9	74.9

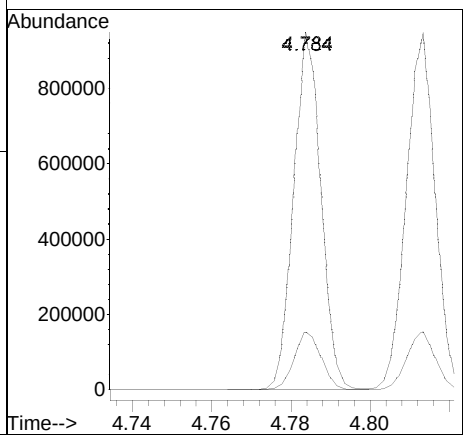


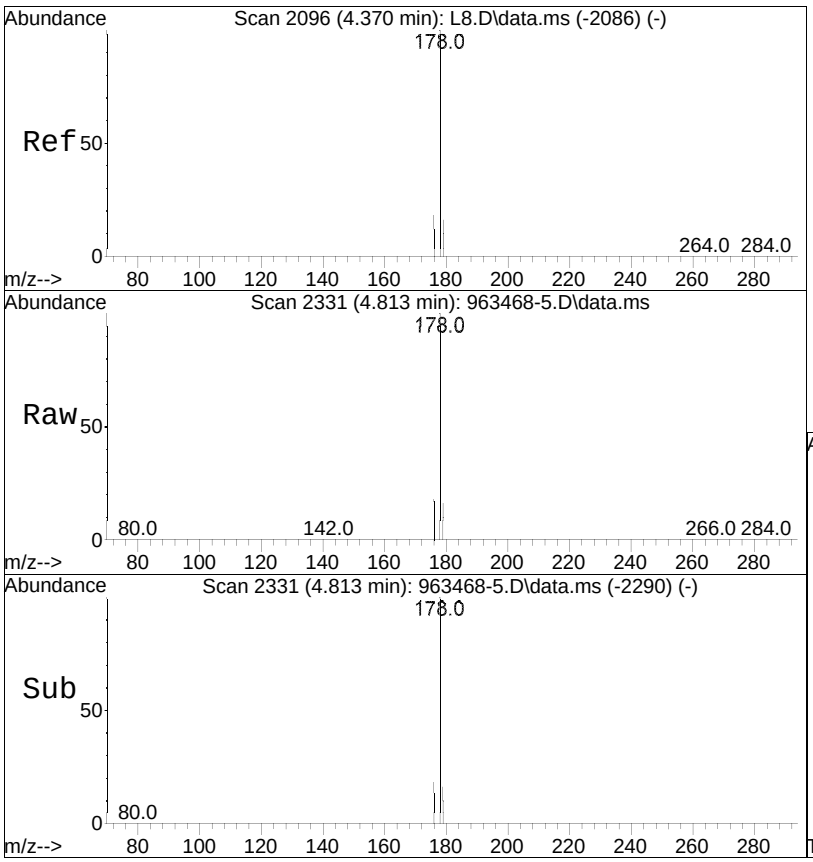


#26
Phenanthrene
Concen: 1638.48 ng/ml
RT: 4.784 min Scan# 2316
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:178 Resp: 454831

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	18.8

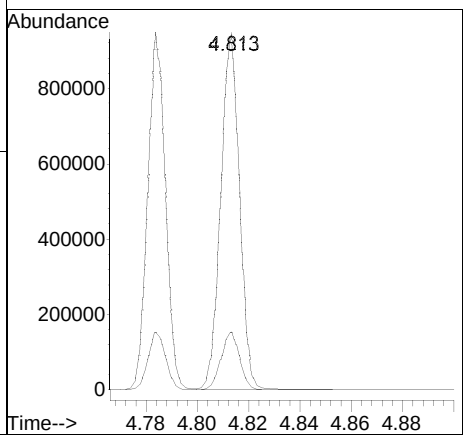


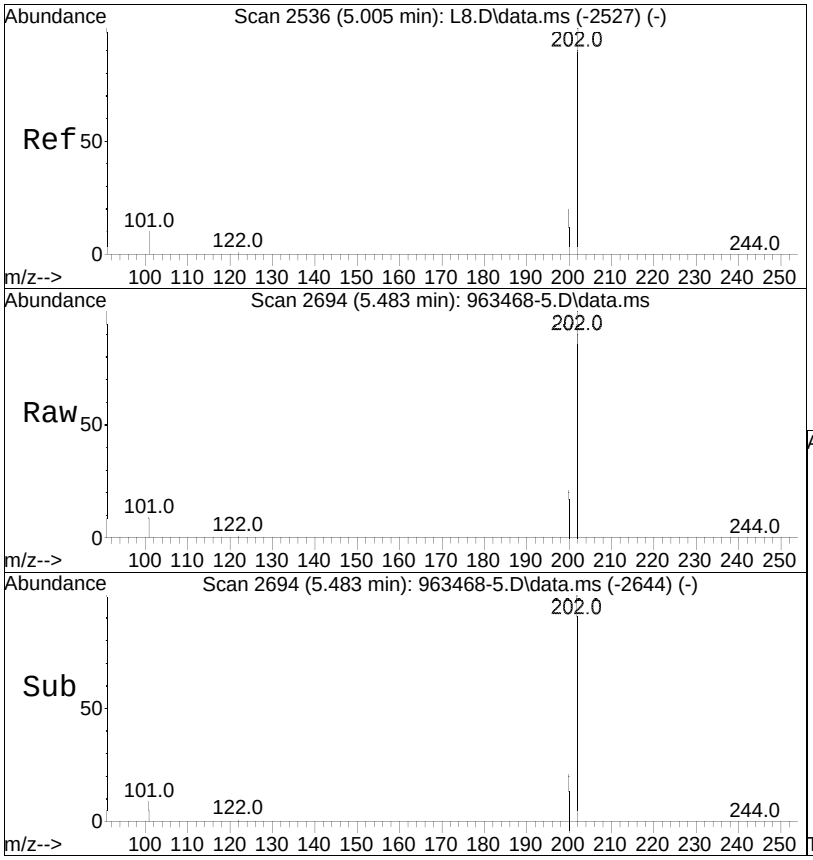


#27
Anthracene
Concen: 1675.07 ng/ml
RT: 4.813 min Scan# 2331
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:178 Resp: 480425

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.4	18.6

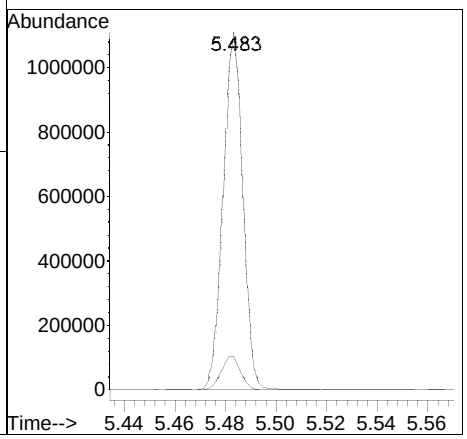


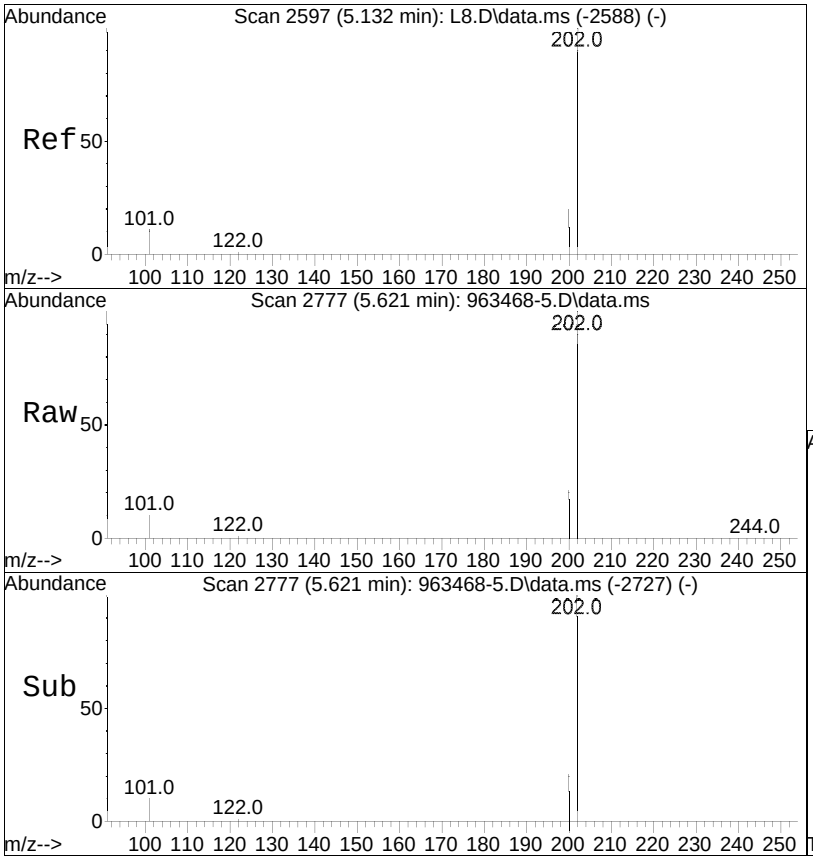


#28
Fluoranthene
Concen: 1543.71 ng/ml
RT: 5.483 min Scan# 2694
Delta R.T. 0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:202 Resp: 588411

Ion	Ratio	Lower	Upper
202	100		
101	9.4	8.1	12.1

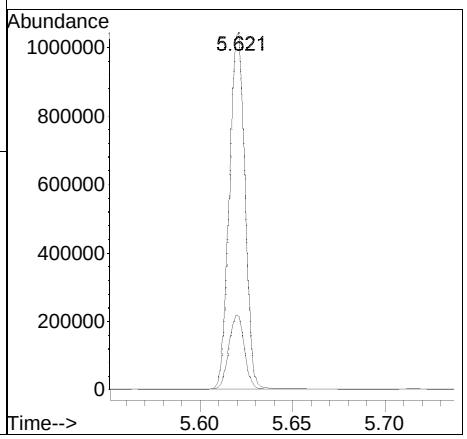


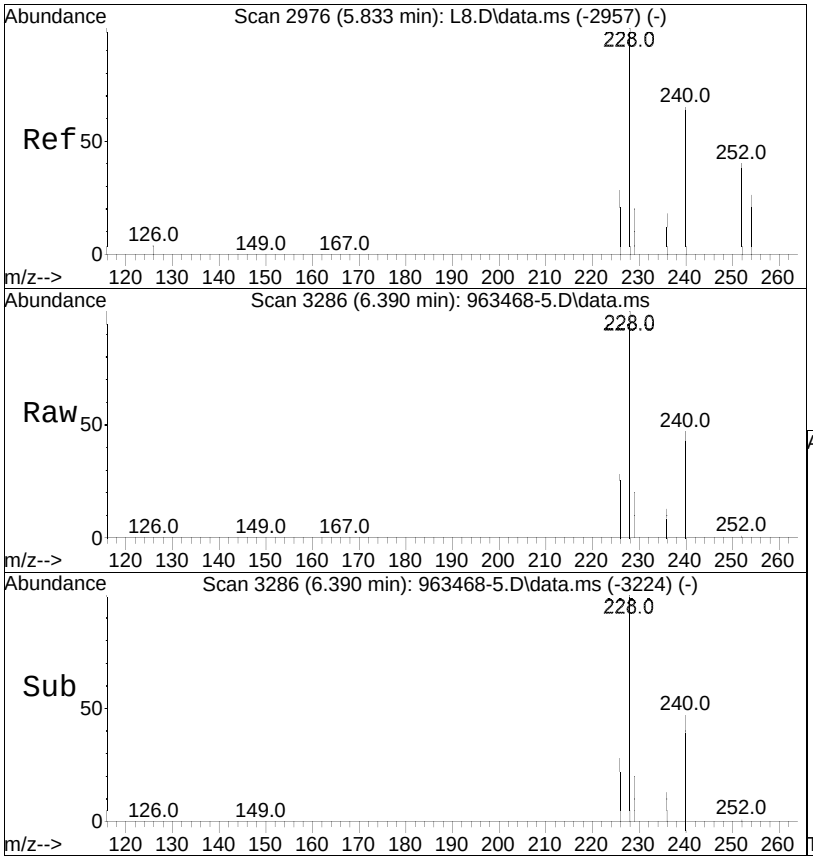


#29
Pyrene
Concen: 1527.78 ng/ml
RT: 5.621 min Scan# 2777
Delta R.T. 0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:202 Resp: 603447

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7

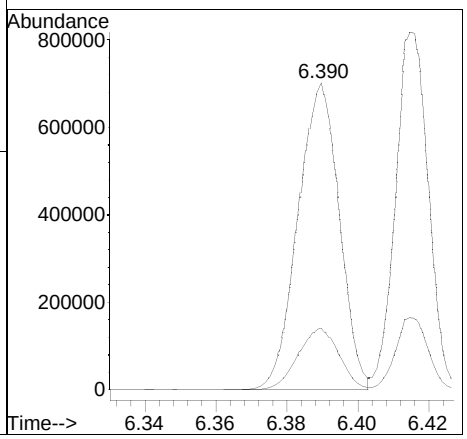


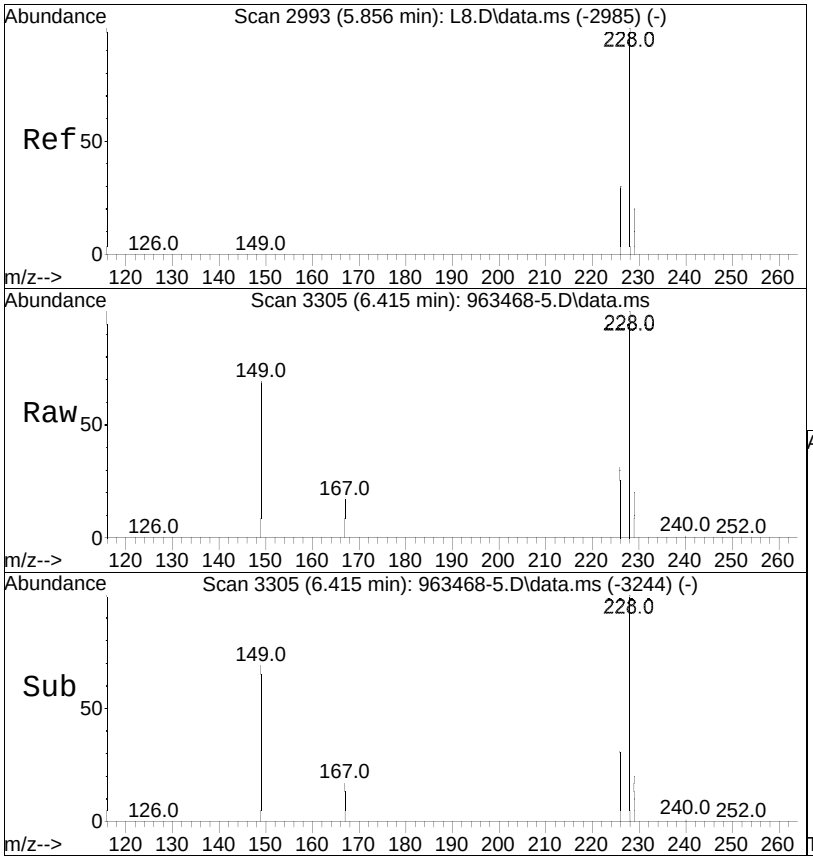


#32
Benzo[a]anthracene
Concen: 1690.42 ng/ml
RT: 6.390 min Scan# 3286
Delta R.T. 0.002 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:228 Resp: 566269

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.8

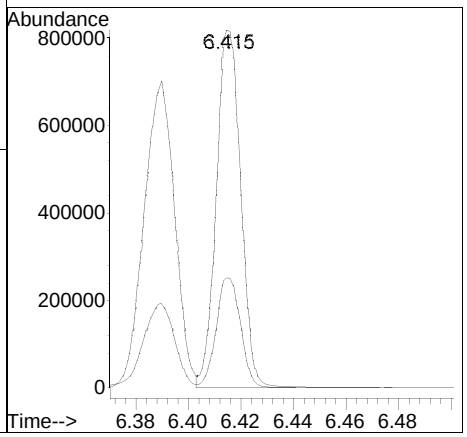


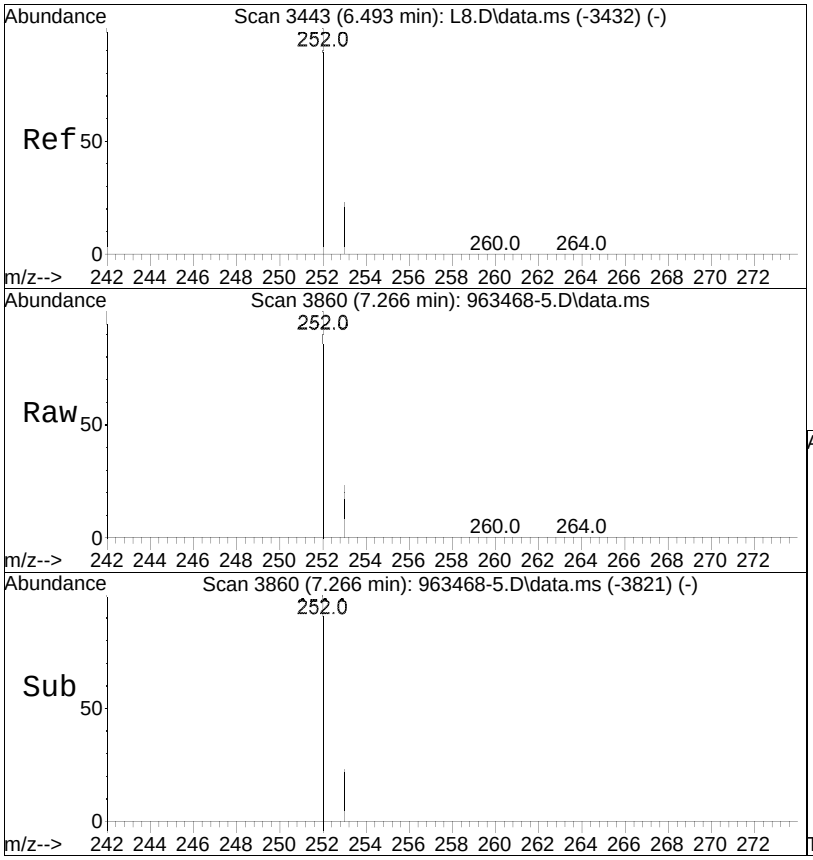


#34
Chrysene
Concen: 1595.13 ng/ml
RT: 6.415 min Scan# 3305
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:228 Resp: 527339

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9

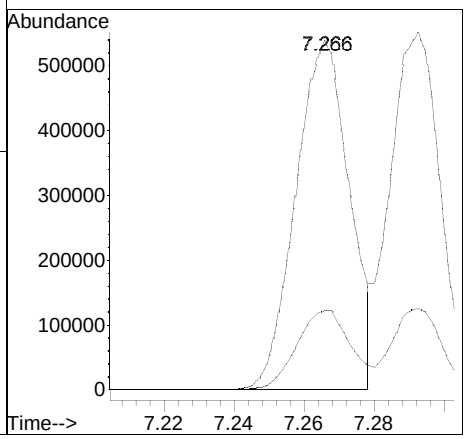


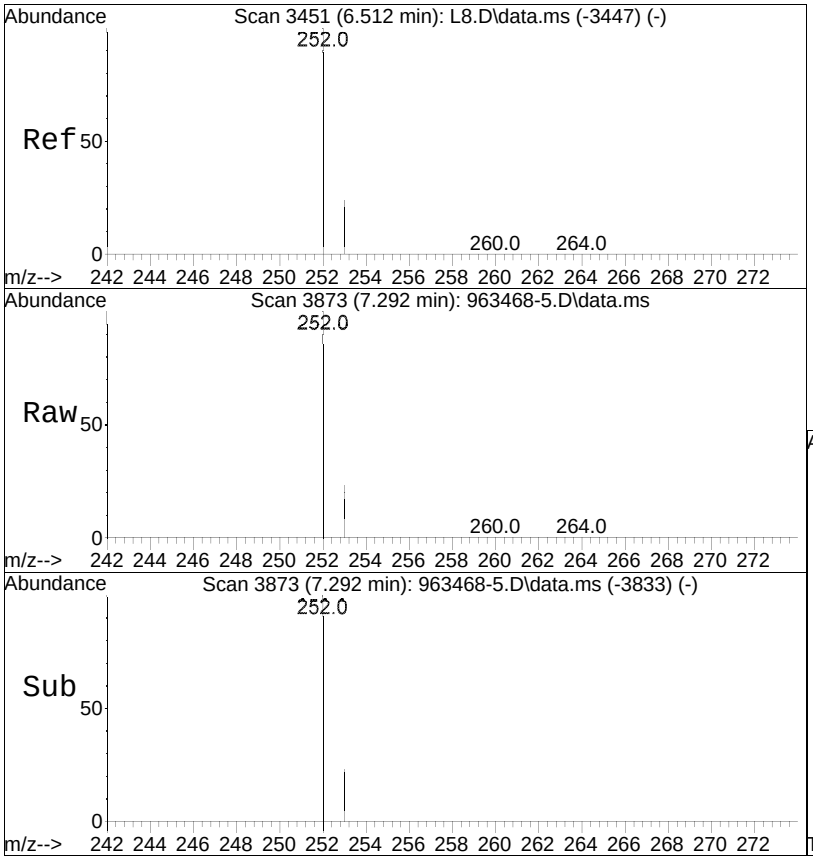


#37
Benzo[b]fluoranthene
Concen: 1467.30 ng/ml
RT: 7.266 min Scan# 3860
Delta R.T. 0.001 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:252 Resp: 571512

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0

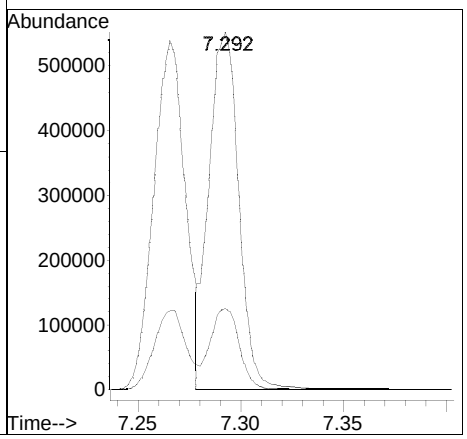


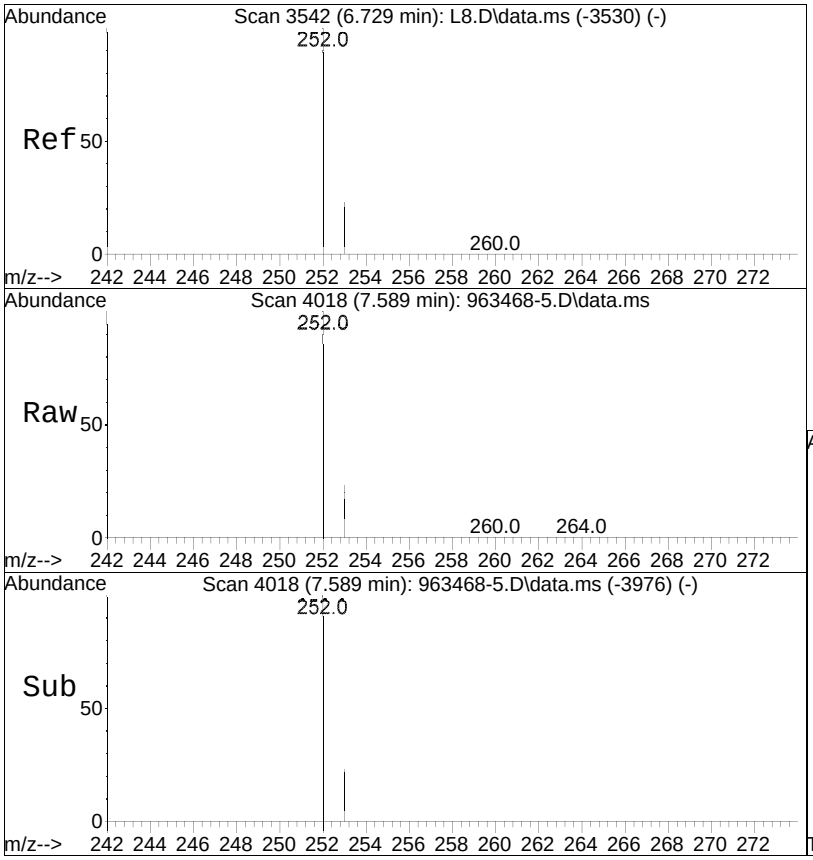


#38
Benzo[k]fluoranthene
Concen: 1542.85 ng/ml
RT: 7.292 min Scan# 3873
Delta R.T. 0.003 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:252 Resp: 555172

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.3	27.5

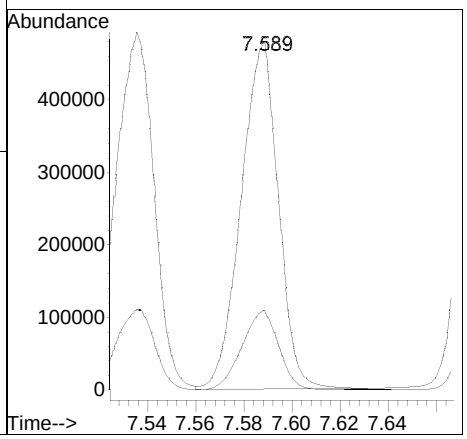


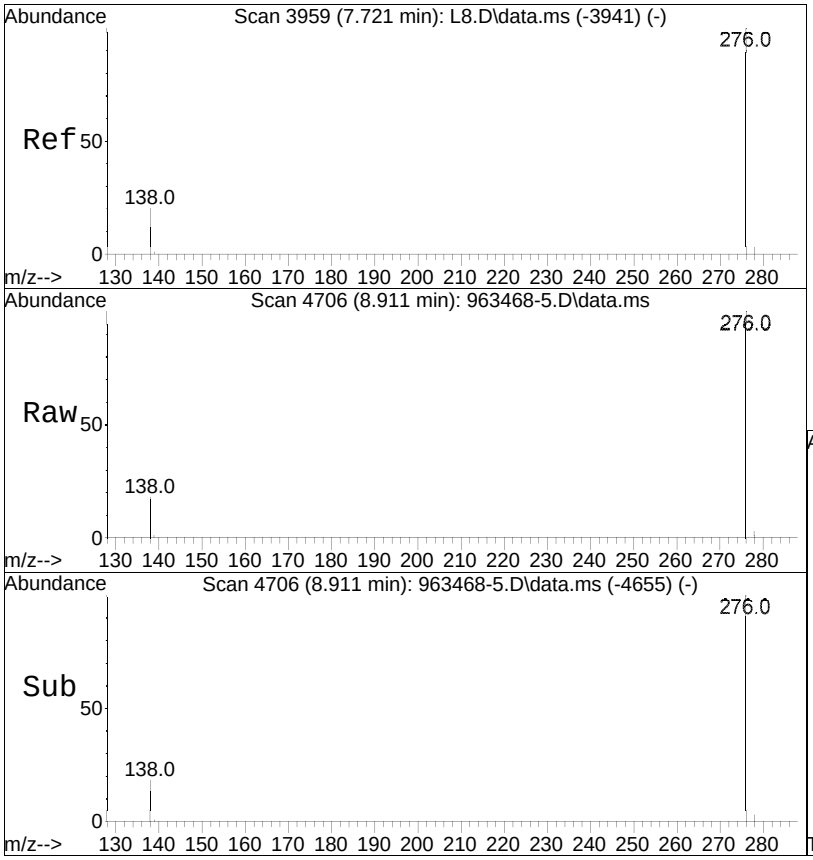


#39
Benzo[a]pyrene
Concen: 1479.46 ng/ml
RT: 7.589 min Scan# 4018
Delta R.T. 0.007 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:252 Resp: 510365

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9

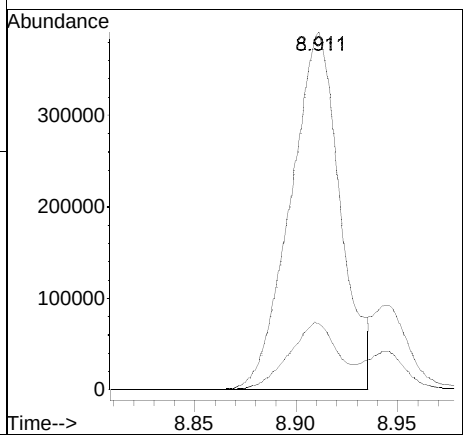


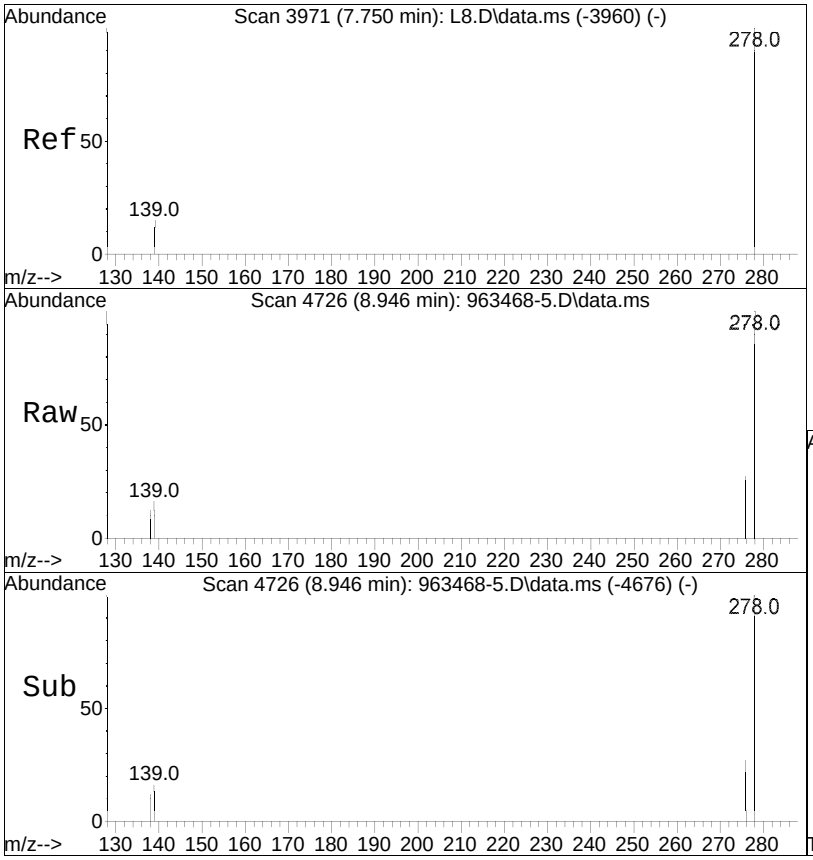


#40
Indeno[1,2,3-cd]pyrene
Concen: 1889.29 ng/ml
RT: 8.911 min Scan# 4706
Delta R.T. 0.009 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:276 Resp: 658843

Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.1	22.7

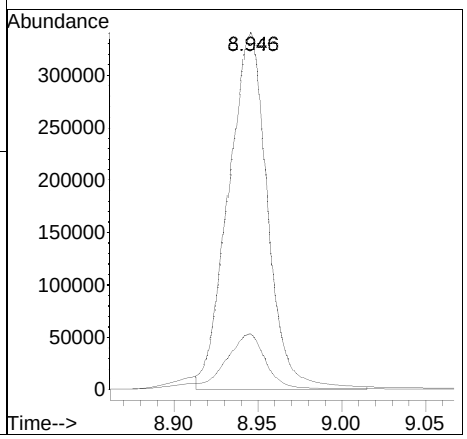


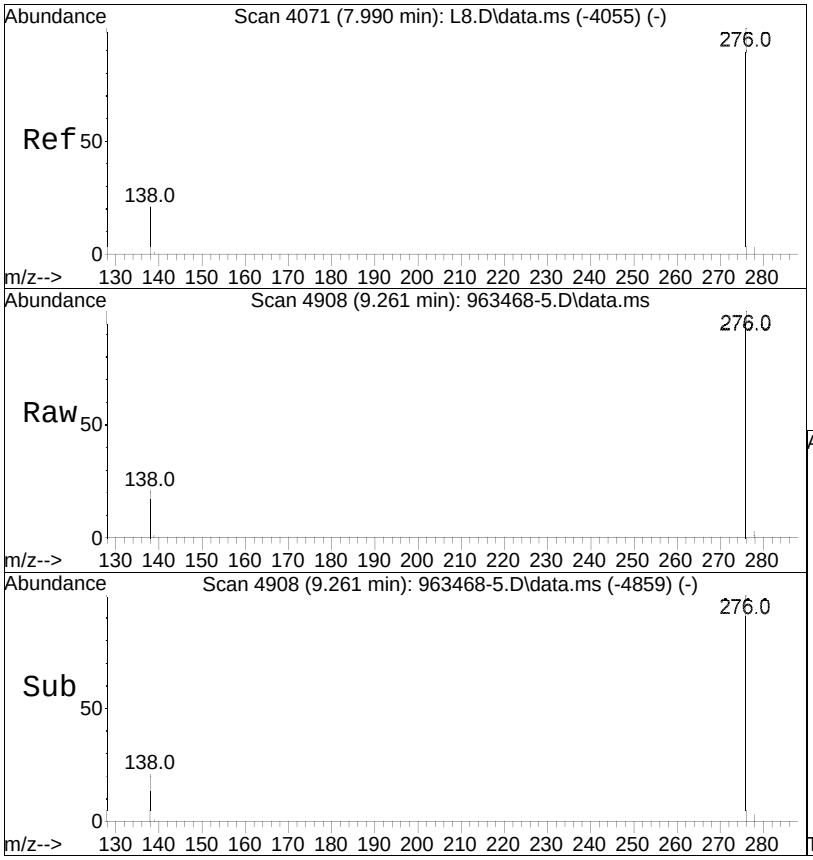


#41
Dibenzo[a,h]anthracene
Concen: 1770.06 ng/ml M6
RT: 8.946 min Scan# 4726
Delta R.T. 0.007 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:278 Resp: 549853

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.3	19.9

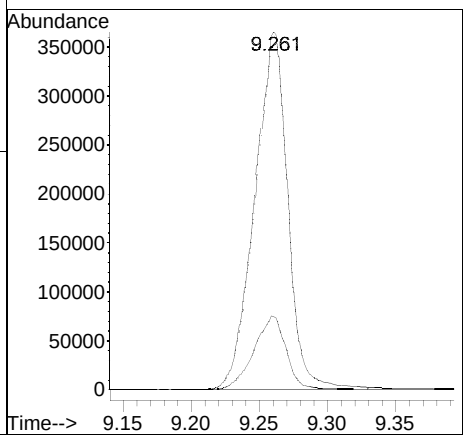




#42
Benzo[g,h,i]perylene
Concen: 1769.70 ng/ml
RT: 9.261 min Scan# 4908
Delta R.T. 0.006 min
Lab File: 963468-5.D
Acq: 25 Aug 2024 07:33 pm

Tgt Ion:276 Resp: 607026

Ion	Ratio	Lower	Upper
276	100		
138	20.4	16.9	25.3

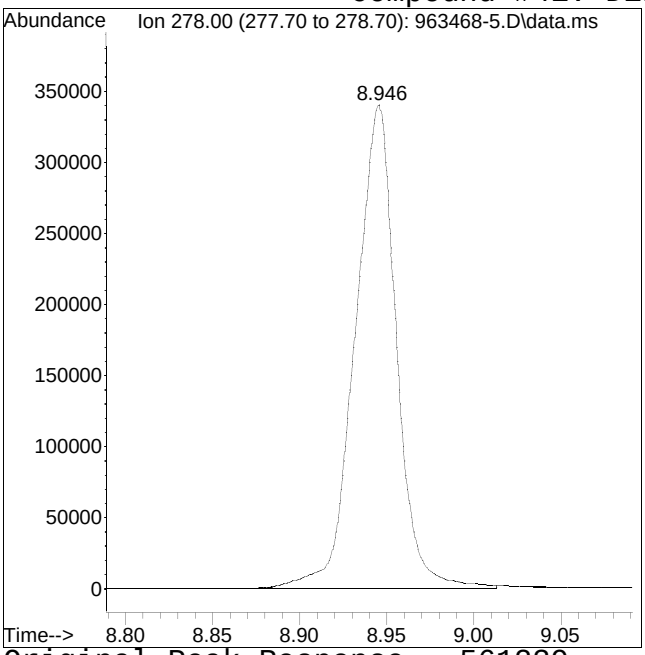


Manual Integration Report

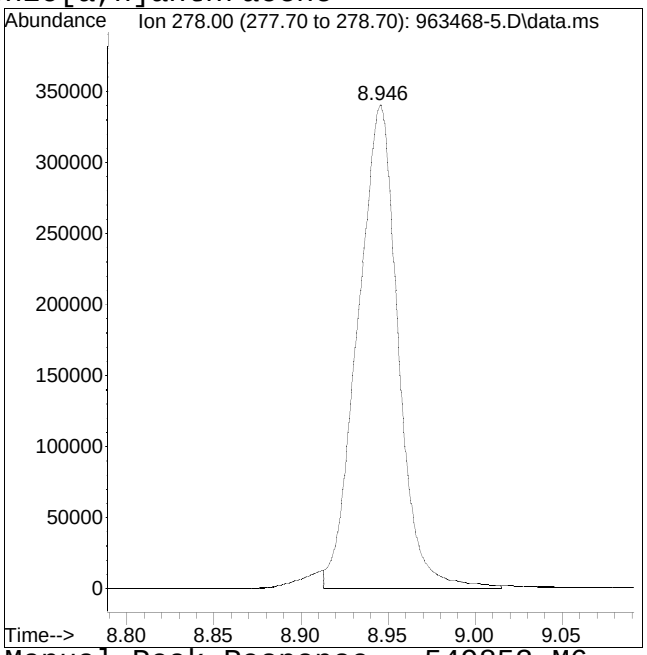
Data Path : I:\8270SIM\sv119\240825RVTQ
Data File : 963468-5.D
Date Inj'd : 8/25/2024 7:33 pm
Sample : WG1963468-5,32,,jjw

Method : SIM-RVT_240621_sv119.M
Operator : sv119:jjw
Instrument : SV119
Quant Date : 8/25/2024 7:47 pm

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 561239



Manual Peak Response = 549853 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 09:11 pm

Work Group: WG1963468 for Department: 2 Organic Preparation

Created: 24-AUG-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447470-01	MW-2A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447501-01	GW-06-20240820	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447501-02	GW-07-20240820	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-01	MW-1S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-03	MW-3S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-04	MW-4D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-05	MW-5S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-06	MW-6D	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-07	MW-7S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0826	0827	S0	Amber-A.1
L2447503-08	MW-8S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-09	DUP	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-10	FIELD BLANK	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-11	EQUIPMENT BLANK	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-02	HRP-MW5A-082024	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-03	HRP-MW1-082024	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447507-01	MAHWAH RO-TYPE II	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	NC	Amber-A.1
WG1963468-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1963468-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1963468-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1963468-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1963468-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG1963468-3	WG1963468-2
WG1963468-4	L2447503-07
WG1963468-5	L2447503-07

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 09:11 pm

Work Group: WG1964121 for Department: 2 Organic Preparation

Created: 26-AUG-24 Due: Operator: ARP

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447470-02	MW-7A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447503-02	MW-2S	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447506-01	HRP-MW3-082024	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0827	0827	S0	Amber-A.1
L2447813-01	HRP-MW-5B 082124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-02	MW-21A 082124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-03	MW-21B 082124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-04	MW-19A 082124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447813-05	MW-19B 082124	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-01	MW-3A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-06	MW-7B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-07	MW-7C	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-08	MW-8A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-09	MW-8B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-10	MW-8C2	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
L2447890-11	MW-9B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0828	0828	S0	Amber-A.1
WG1964121-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1964121-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG1964121-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG1964121-3 WG1964121-2

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\sv119\240621RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1939716,,ical	6/21/2024 2:09 pm
2	L10.D	SIM-RVT.M	IL10,32,, #10462 5000 n	WG1939716,,ical	6/21/2024 2:50 pm
3	L9.D	SIM-RVT.M	IL9,32,, #10755 2500 ng	WG1939716,,ical	6/21/2024 3:06 pm
4	L8.D	SIM-RVT.M	IL8,32,, #10463 1000 ng	WG1939716,,ical	6/21/2024 3:23 pm
5	L7.D	SIM-RVT.M	IL7,32,, #10756 500 ng/	WG1939716,,ical	6/21/2024 3:39 pm
6	L6.D	SIM-RVT.M	IL6,32,, #10465 100 ng/	WG1939716,,ical	6/21/2024 3:55 pm
7	L5.D	SIM-RVT.M	IL5,32,, #10757 40 ng/m	WG1939716,,ical	6/21/2024 4:12 pm
8	L4.D	SIM-RVT.M	IL4,32,, #10468 10 ng/m	WG1939716,,ical	6/21/2024 4:28 pm
9	L3.D	SIM-RVT.M	IL3,32,, #10469 5 ng/ml	WG1939716,,ical	6/21/2024 4:44 pm
10	L2.D	SIM-RVT.M	IL2,32,, #10758 2 ng/ml	WG1939716,,ical	6/21/2024 5:01 pm
11	L1.D	SIM-RVT.M	IL1,32,, #10759 1 ng/ml	WG1939716,,ical	6/21/2024 5:17 pm
12	ICV.D	SIM-RVT.M	CQICV,32,, #10475 1000	WG1939716,,ical	6/21/2024 5:33 pm
13	instblk.D	SIM-RVT.M			6/21/2024 5:50 pm

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\sv120\240728RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRVT.M	TUNE	WG1955532,,ical	7/28/2024 4:34 pm
2	IL10.D	fast-SIM-RVT	IL10,32,,5000.0ng/mL lo	WG1955532,,ical	7/28/2024 4:50 pm
3	IL9.D	fast-SIM-RVT	IL9,32,,2500.0ng/mL lot	WG1955532,,ical	7/28/2024 5:07 pm
4	IL8.D	fast-SIM-RVT	IL8,32,,1000.0ng/mL lot	WG1955532,,ical	7/28/2024 5:23 pm
5	IL7.D	fast-SIM-RVT	IL7,32,,500.0ng/mL lot#	WG1955532,,ical	7/28/2024 5:39 pm
6	IL6.D	fast-SIM-RVT	IL6,32,,100.0ng/mL lot#	WG1955532,,ical	7/28/2024 5:55 pm
7	IL5.D	fast-SIM-RVT	IL5,32,,40.0ng/mL lot#	WG1955532,,ical	7/28/2024 6:11 pm
8	IL4.D	fast-SIM-RVT	IL4,32,,10.0ng/mL lot#1	WG1955532,,ical	7/28/2024 6:27 pm
9	IL3.D	fast-SIM-RVT	IL3,32,,5.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 6:43 pm
10	IL2.D	fast-SIM-RVT	IL2,32,,2.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 6:59 pm
11	IL1.D	fast-SIM-RVT	IL1,32,,1.0ng/mL lot# 1	WG1955532,,ical	7/28/2024 7:15 pm
12	ICV.D	fast-SIM-RVT	CQICV,32,,1000.0ng/mL l	WG1955532,,ical	7/28/2024 7:31 pm
13	insblk.D	fast-SIM-RVT			7/28/2024 7:47 pm

Dep.: GCMS
Inst: SV119
Date: **08/25/24**
Run:

Method
GC: SIM RVT

Seq: WG1963571
ICAL: 21236

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0825	wg-1,32,,dftpp SV119 lot# 10983				08/25 RAP
49	ccv0825	wg-3,32,,ICV lot 10884 (0806a)	Full list			08/25 RAP
50	blank0825	instrument blank				
1	48492-01	L2448492-01,32,,R3A,jjw				08/25 RAP
2	48492-02	L2448492-02,32,,R3A,jjw				08/25 RAP
3	48492-03	L2448492-03,32,,R3A,jjw				08/25 RAP
4	48492-04	L2448492-04,32,,R3A,jjw				08/25 RAP
5	48492-05	L2448492-05,32,,R3A,jjw				08/25 RAP
6	48492-07	L2448492-07,32,,R3A,jjw				08/25 RAP
7	47090-01	L2447090-01,32,,jjw				08/25 RAP
8	963468-2	WG1963468-2,32,,jjw				08/27 JJW
9	963468-3	WG1963468-3,32,,jjw				08/27 JJW
10	963468-1	WG1963468-1,32,,jjw				08/27 JJW
11	47470-01	L2447470-01,32,,jjw				08/27 JJW
12	47470-02	L2447470-02,32,,jjw	RX - surr <10%			
13	47470-03	L2447470-03,32,,jjw	RX - surr <10%			
14	47501-01	L2447501-01,32,,jjw				08/27 JJW
15	47501-02	L2447501-02,32,,jjw				08/27 JJW
16	47503-01	L2447503-01,32,,jjw				08/27 JJW
17	47503-02	L2447503-02,32,,jjw	RX - surrs fail low			
18	47503-03	L2447503-03,32,,jjw				08/27 JJW
19	47503-04	L2447503-04,32,,jjw				08/27 JJW
20	963403-1	WG1963403-1,32,,RV,jjw	confirmed contamination		SV-RAP	
21	47503-05	L2447503-05,32,,jjw				08/27 JJW
22	47503-06	L2447503-06,32,,jjw				08/27 JJW
23	47503-08	L2447503-08,32,,jjw				08/27 JJW
24	47503-09	L2447503-09,32,,jjw				08/27 JJW
25	47503-10	L2447503-10,32,,jjw				08/27 JJW
26	47503-11	L2447503-11,32,,jjw				08/27 JJW
27	47503-07	L2447503-07,32,,jjw				08/27 JJW
28	963468-4	WG1963468-4,32,,jjw				08/27 JJW
29	963468-5	WG1963468-5,32,,jjw				08/27 JJW
30	47506-01	L2447506-01,32,,jjw	RX - surr <10%			08/27 JJW
31	47506-02	L2447506-02,32,,jjw				08/27 JJW
32	47506-03	L2447506-03,32,,jjw				08/27 JJW
33	47507-01	L2447507-01,32,,jjw				08/27 JJW
34	963550-2	WG1963550-2,32,,jjw				08/26 RAP
35	963550-3	WG1963550-3,32,,jjw				08/26 RAP
36	963550-1	WG1963550-1,32,,jjw	RV - Nap hit			08/26 RAP
37	47156-02	L2447156-02,32,,RE,jjw				08/26 RAP
38	091-01d1	L2448091-01d,32,10,FV=4,jjw			JJW	
					sv-kmh	

Dep.: GCMS
Inst: SV120
Date: **08/27/24**
Run:

Method
GC: SIM RVT

Seq: WG1964292
ICAL: 21368

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0827	wg-1,32,, dftpp SV120 lot#10983				08/27 RAP
49	ccv0827	wg-3,32,, ICV10884 (0806a)	Full list			08/27 RAP
50	blk0827	instrument Blank				
1	964121-1	WG1964121/3-1,32,,kmh				08/27 RAP
2	964121-2	WG1964121/3-2,32,,kmh				08/27 RAP
3	964121-3	WG1964121/3-3,32,,kmh				08/27 RAP
4	48248-01	L2448248-01,32,,R3B,kmh				08/27 RAP
5	47503-02	L2447503-02,32,,kmh				08/27 RAP
6	47470-03	L2447470-03,32,,kmh				08/27 RAP
7	47498-24	L2447498-24,32,,kmh	RR - wrong product			
8	963738-2	WG1963738/3-2,32,,kmh				08/27 RAP
9	963738-3	WG1963738/3-3,32,,kmh				08/27 RAP
10	963738-1	WG1963738/3-1,32,,kmh				08/27 RAP
11	47306-01	L2447306-01,32,,kmh	RR - wrong product			
12	47479-01	L2447479-01,32,,kmh				08/27 RAP
13	47890-02	L2447890-02,32,,kmh				
14	47890-03	L2447890-03,32,,kmh				
15	47890-04	L2447890-04,32,,kmh				
16	47890-05	L2447890-05,32,,kmh				
17	963738-4	WG1963738-4,32,,kmh				
18	963738-5	WG1963738-5,32,,kmh				
19	964039-2	WG1964039-2,32,,kmh				
20	964039-3	WG1964039-3,32,,kmh				
21	964039-1	WG1964039-1,32,,kmh				
22	47700-04	L2447700-04,32,,kmh				
23	48509-13	L2448509-13,32,,R3A,kmh			kmh	08/27 RAP
24	963083-1	WG1963083-1,32,,RR(con),jjw			JJW	08/27 RAP
					SV-RAP	

ORGANIC ELN REPORT

Workgroup: WG1963468

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: ABN **Lot #:** 10904ak,01/16/2025,
Spike Type: ABN-SIM **Lot #:** 10948ad,02/03/2025,10949bd,0
Spike Verify by: YDA
Lims Spikelot: 8270-RVT

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH072424

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447470-01 WATER	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447470-02	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447470-03	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447501-01 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447501-02 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-01 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1963468

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-02 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-03 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-04 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-05 SAMP	08/24/24 14:32	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-06 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-07 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-08 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-09 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1963468

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-10 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447503-11 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447506-01 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447506-02 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447506-03 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
L2447507-01 SAMP	08/24/24 14:37	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
WG1963468-1 BLANK	08/24/24 14:32 **WG1963467**	Yaw Adu	100	<2,>12	.1		08/25/24 02:07	Alaina Ohara-Cruz	1	K
WG1963468-2 LCS	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:07	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1963468

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1963468-3 LCSD	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:07	Alaina Ohara-Cruz	1	K
WG1963468-4 MS	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:07	Alaina Ohara-Cruz	1	K
WG1963468-5 MSD	08/24/24 14:32	Yaw Adu	100	<2,>12	.1	.1	08/25/24 02:07	Alaina Ohara-Cruz	1	K

ORGANIC ELN REPORT

Workgroup: WG1964121

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: ARP/DLP
Lims Spikelot: 8270-RVT

Lot #: EJ049
Lot #: 10904-AB[01/16/25]
Lot #: 10948-AD[02/03/25]; 10738-BD

Additional Reagents/Stds

H2SO4	A072424
Na2SO4	23K2961078
NaOH	10NNaOH072424

Conc.Method: Buchi
Solvent Type: DCM
Lot #: EJ049

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447470-02 WATER	08/27/24 14:22	Dayle Parsons	100	<2, >12	.1		08/27/24 14:55	Grace Tran	1	K
L2447503-02 SAMP	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1		08/27/24 02:38	Shaylee Amidon	1	K
L2447506-01 SAMP	08/27/24 14:22	Dayle Parsons	100	<2, >12	.1		08/27/24 14:55	Grace Tran	1	K
L2447813-01 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-02 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-03 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447813-04 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K

Reported: 27-AUG-24 09:11 PM

ORGANIC ELN REPORT

Workgroup: WG1964121

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447813-05 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-01 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-06 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-07 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-08 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-09 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-10 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
L2447890-11 SAMP	08/27/24 08:14	Dayle Parsons	100	<2, >12	.1		08/27/24 14:10	Grace Tran	1	K
WG1964121-1 BLANK	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1		08/27/24 02:38	Shaylee Amidon	1	K
	WG1964120; WG1964122; WG1964123									
WG1964121-2 LCS	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1	.1	08/27/24 02:38	Shaylee Amidon	1	K

ORGANIC ELN REPORT

Workgroup: WG1964121

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1964121-3 LCSD	08/26/24 23:15	Amanda Patterson	100	<2, >12	.1	.1	08/27/24 02:38	Shaylee Amidon	1	K

Reported: 27-AUG-24 09:11 PM

GCMS Extractables 1,4-Dioxane By SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 ()	S2 ()	S3 ()	S4 ()	S5 ()	S6 ()	TOT OUT
MW-1S (L2447503-01)	46	--	--	--	--	--	0
MW-5S (L2447503-05)	46	--	--	--	--	--	0
MW-7S (L2447503-07)	46	--	--	--	--	--	0
MW-8S (L2447503-08)	50	--	--	--	--	--	0
DUP (L2447503-09)	49	--	--	--	--	--	0
FIELD BLANK (L2447503-10)	49	--	--	--	--	--	0
EQUIPMENT BLANK (L2447503-11)	47	--	--	--	--	--	0
WG1963994-1BLANK	48	--	--	--	--	--	0
WG1963994-2LCS	51	--	--	--	--	--	0
WG1963994-3LCSD	52	--	--	--	--	--	0
MW-7SMS	47	--	--	--	--	--	0
MW-7SMSD	46	--	--	--	--	--	0
WG1964624-1BLANK	54	--	--	--	--	--	0
WG1964624-2LCS	51	--	--	--	--	--	0
WG1964624-3LCSD	51	--	--	--	--	--	0

QC LIMITS
(15-110) S1 = 1,4-DIOXANE-D8

*** Values outside of QC limits**

FORM II A2-1,4-DIOXANE-SIM

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963994-2 **Analysis Date** : 08/27/24 09:36	**File ID**	: F508272404
LCSD Sample ID	: WG1963994-3 **Analysis Date** : 08/27/24 10:03	**File ID**	: F508272405

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	5000	5420	108	5000	5490	110	2	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964624-2 **Analysis Date** : 08/28/24 09:47	**File ID**	: F508282404
LCSD Sample ID	: WG1964624-3 **Analysis Date** : 08/28/24 10:14	**File ID**	: F508282405

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ng/l)	Found (ng/l)	%R	True (ng/l)	Found (ng/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	5000	5280	106	5000	5320	106	0	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/27/24 13:58
Matrix Spike	: WG1963994-6	**MS Analysis Date**	: 08/27/24 14:23
Matrix Spike Dup	: WG1963994-7	**MSD Analysis Date**	: 08/27/24 14:50

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ng/l)	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	Spike Added (ng/l)	Spike Conc. (ng/l)	%R	RPD	Recovery Limits	RPD Limit
1,4-Dioxane	ND	4540	5080	112	4540	5100	112	0	40-140	30

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963994-1	**Lab File ID**	: F508272403
Instrument ID	: PAH5	**Extraction Date**	: 08/26/24
Matrix	: WATER	**Analysis Date**	: 08/27/24 09:12
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1963994-2LCS	WG1963994-2	08/27/24 09:36
WG1963994-3LCSD	WG1963994-3	08/27/24 10:03
MW-1S	L2447503-01	08/27/24 13:30
MW-7S	L2447503-07	08/27/24 13:58
MW-7SMS	WG1963994-6	08/27/24 14:23
MW-7SMSD	WG1963994-7	08/27/24 14:50

Method Blank Summary
Form 4
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1964624-1	**Lab File ID**	: F508282403
Instrument ID	: PAH5	**Extraction Date**	: 08/27/24
Matrix	: WATER	**Analysis Date**	: 08/28/24 09:22
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG1964624-2LCS	WG1964624-2	08/28/24 09:47
WG1964624-3LCSD	WG1964624-3	08/28/24 10:14
MW-5S	L2447503-05	08/28/24 13:02
MW-8S	L2447503-08	08/28/24 13:31
DUP	L2447503-09	08/28/24 14:00
FIELD BLANK	L2447503-10	08/28/24 14:28
EQUIPMENT BLANK	L2447503-11	08/28/24 14:57

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PAH5	**Analysis Date**	: 07/17/24 15:18
Tune Standard	: R1854170-1	**Tune File ID**	: F507172401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30.5
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.1
365	Greater than 1.0% of mass 198	3.2
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	93.4
443	15.0 - 24.0% of mass 442	17.6 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R1854170-2	F507172402	07/17/24 15:53
STD 50	R1854170-3	F507172403	07/17/24 16:24
STD 100	R1854170-4	F507172404	07/17/24 16:46
STD 500	R1854170-5	F507172405	07/17/24 17:07
STD 1000	R1854170-6	F507172406	07/17/24 17:29
STD 5000	R1854170-7	F507172407	07/17/24 17:50
STD 10000	R1854170-8	F507172408	07/17/24 18:11
ICV QUANT REPORT	R1854170-9	F507172409	07/17/24 18:33

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PAH5	**Analysis Date**	: 08/27/24 07:22
Tune Standard	: WG1964298-1	**Tune File ID**	: F508272401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	30.8
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.6
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	15.8 (18.7)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1964298-2CCAL	WG1964298-2	F508272402	08/27/24 08:04
WG1963994-1BLANK	WG1963994-1	F508272403	08/27/24 09:12
WG1963994-2LCS	WG1963994-2	F508272404	08/27/24 09:36
WG1963994-3LCSD	WG1963994-3	F508272405	08/27/24 10:03
MW-1S	L2447503-01	F508272413	08/27/24 13:30
MW-7S	L2447503-07	F508272414	08/27/24 13:58
WG1963994-6MS	WG1963994-6	F508272415	08/27/24 14:23
WG1963994-7MSD	WG1963994-7	F508272416	08/27/24 14:50

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PAH5	**Analysis Date**	: 08/28/24 07:21
Tune Standard	: WG1965023-1	**Tune File ID**	: F508282401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	33.4
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	48.4
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	28
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.5
442	Base Peak, or >50% of mass 198	80.4
443	15.0 - 24.0% of mass 442	15.3 (19)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1965023-2CCAL	WG1965023-2	F508282402	08/28/24 08:02
WG1964624-1BLANK	WG1964624-1	F508282403	08/28/24 09:22
WG1964624-2LCS	WG1964624-2	F508282404	08/28/24 09:47
WG1964624-3LCSD	WG1964624-3	F508282405	08/28/24 10:14

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GCMS6	**Analysis Date**	: 07/29/24 08:40
Tune Standard	: R1858067-1	**Tune File ID**	: F607292401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	23.2
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	40.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	29.8
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	16.4
442	Base Peak, or >50% of mass 198	80.2
443	15.0 - 24.0% of mass 442	15.1 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD 10	R1858067-2	F607292402	07/29/24 09:17
STD 50	R1858067-3	F607292403	07/29/24 09:40
STD100	R1858067-5	F607292404	07/29/24 10:01
STD 500	R1858067-4	F607292405	07/29/24 10:23
STD 1000	R1858067-6	F607292406	07/29/24 10:45
STD 5000	R1858067-7	F607292407	07/29/24 11:07
STD 10000	R1858067-8	F607292408	07/29/24 11:29
ICV QUANT REPORT	R1858067-9	F607292409	07/29/24 11:50

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GCMS6	**Analysis Date**	: 08/28/24 07:18
Tune Standard	: WG1964894-1	**Tune File ID**	: F608282401_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	26.4
68	Less than 2.0% of mass 69	0 (0)1
70	Less than 2.0% of mass 69	0.1 (.5)1
127	10.0 - 80.0% of Base Peak	41.8
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	31
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	16.3
442	Base Peak, or >50% of mass 198	80.9
443	15.0 - 24.0% of mass 442	15.3 (18.9)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG1964894-2CCAL	WG1964894-2	F608282402	08/28/24 07:57
MW-5S	L2447503-05	F608282411	08/28/24 13:02
MW-8S	L2447503-08	F608282412	08/28/24 13:31
DUP	L2447503-09	F608282413	08/28/24 14:00
FIELD BLANK	L2447503-10	F608282414	08/28/24 14:28
EQUIPMENT BLANK	L2447503-11	F608282415	08/28/24 14:57

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PAH5	**Analysis Date**	: 08/27/24 08:04:00
Sample No	: WG1964298-2	**Lab File ID**	: F508272402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1964298-2	28175	7.76				
Upper Limit	56350	8.26				
Lower Limit	14088	7.26				
Sample ID						
WG1963994-1 BLANK	23991	7.77				
WG1963994-2 LCS	23728	7.76				
WG1963994-3 LCSD	23482	7.76				
MW-1S	23539	7.77				
MW-7S	23750	7.78				
MW-7S MS	23064	7.77				
MW-7S MSD	23617	7.77				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: GCMS6	**Analysis Date**	: 08/28/24 07:57:00
Sample No	: WG1964894-2	**Lab File ID**	: F608282402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1964894-2	146667	8.77				
Upper Limit	293334	9.27				
Lower Limit	73334	8.27				
Sample ID						
MW-5S	122239	8.79				
MW-8S	122667	8.78				
DUP	122561	8.78				
FIELD BLANK	124344	8.78				
EQUIPMENT BLANK	125302	8.78				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PAH5	**Analysis Date**	: 08/28/24 08:02:00
Sample No	: WG1965023-2	**Lab File ID**	: F508282402

	1,4-Dichlorobenzene-d4					
	Area	RT	Area	RT	Area	RT
WG1965023-2	29548	7.76				
Upper Limit	59096	8.26				
Lower Limit	14774	7.26				
Sample ID						
WG1964624-1 BLANK	23852	7.78				
WG1964624-2 LCS	24636	7.77				
WG1964624-3 LCSD	23934	7.77				

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12115-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 250ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	150	33.9	ng/l	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ng/l								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/21/22
Created By: Jason Hebert
File: PM12118-1
Page: 1

1,4 Dioxane via EPA 8270D-SIM (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
1,4-Dioxane	123-91-1	8	2.04	ug/kg	40-140	30	40-140	30	30			
1,4-Dioxane-d8	*17647-74-4*									*15-110*		
1,4-Dioxane-d8 (IS)	17647-74-4			ug/kg								

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Semivolatile Sample Data

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:30
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508272413	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	68.9	150	33.9	J

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:02
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282411	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:58
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508272414	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:31
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282412	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:00
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282413	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:28
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282414	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 14:57
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F608282415	**Analyst**	: GRS
Sample Amount	: 260 ml	**Instrument ID**	: GCMS6
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	144	32.6	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963994-1	**Date Collected**	: NA
Client ID	: WG1963994-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 09:12
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508272403	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Results Summary
Form 1
1,4 Dioxane by 8270E-SIM

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964624-1	**Date Collected**	: NA
Client ID	: WG1964624-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 09:22
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: F508282403	**Analyst**	: GRS
Sample Amount	: 250 ml	**Instrument ID**	: PAH5
Extraction Method	: EPA 3510C	**GC Column**	: RTX-5
Extract Volume	: 2500 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ng/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
123-91-1	1,4-Dioxane	ND	150	33.9	U

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272413.D
Acq On : 27 Aug 2024 1:30 pm
Operator : PAH5:GRS
Sample : L2447503-01,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 10:19:00 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.247	64	2746	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	7.769	152	23539	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.247	64	2746	229.399	ng/mL	0.02
Spiked Amount 500.000	Range 15 - 115		Recovery = 45.88%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.302	88	68M7	6.894	ng/mL	

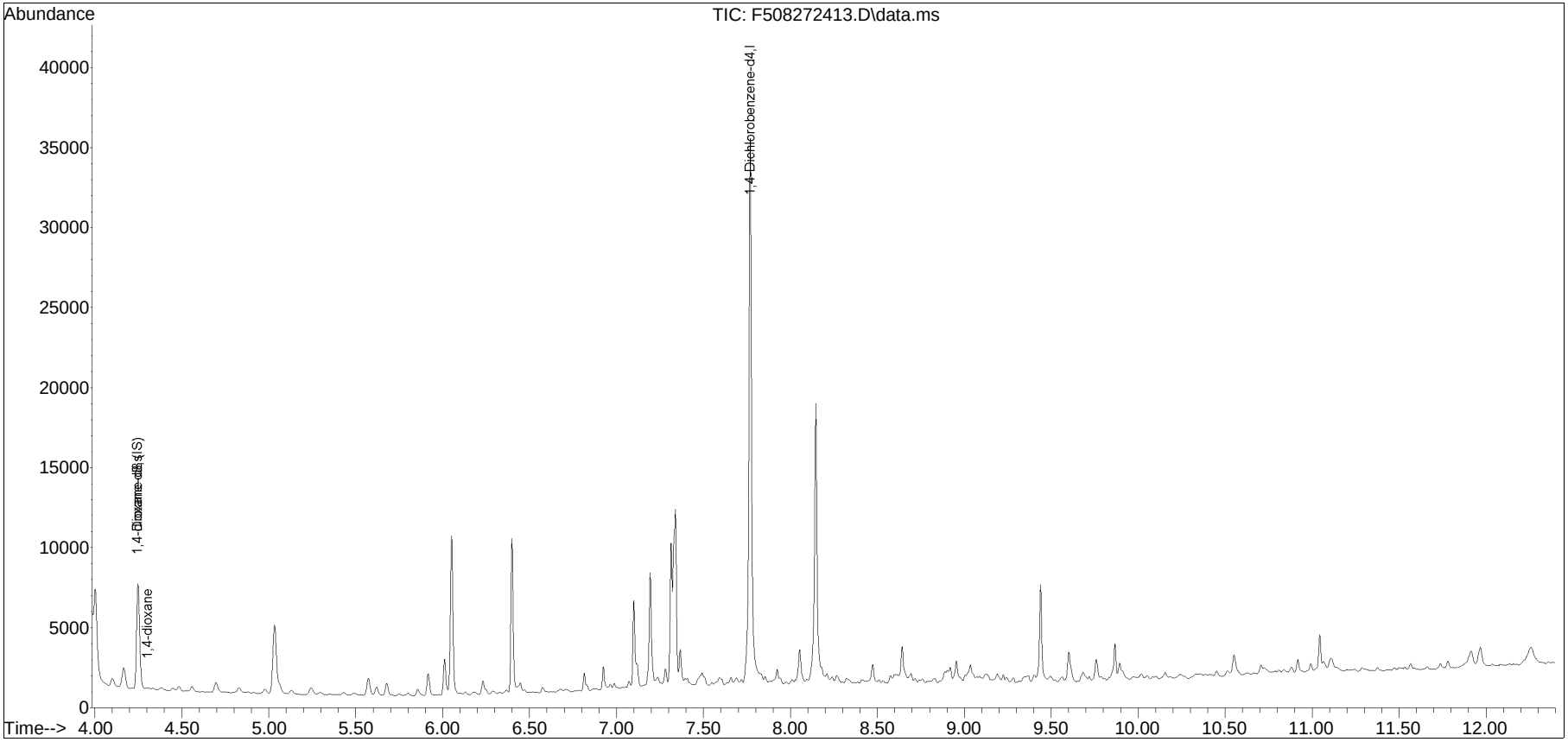
(#) = qualifier out of range (m) = manual integration (+) = signals summed

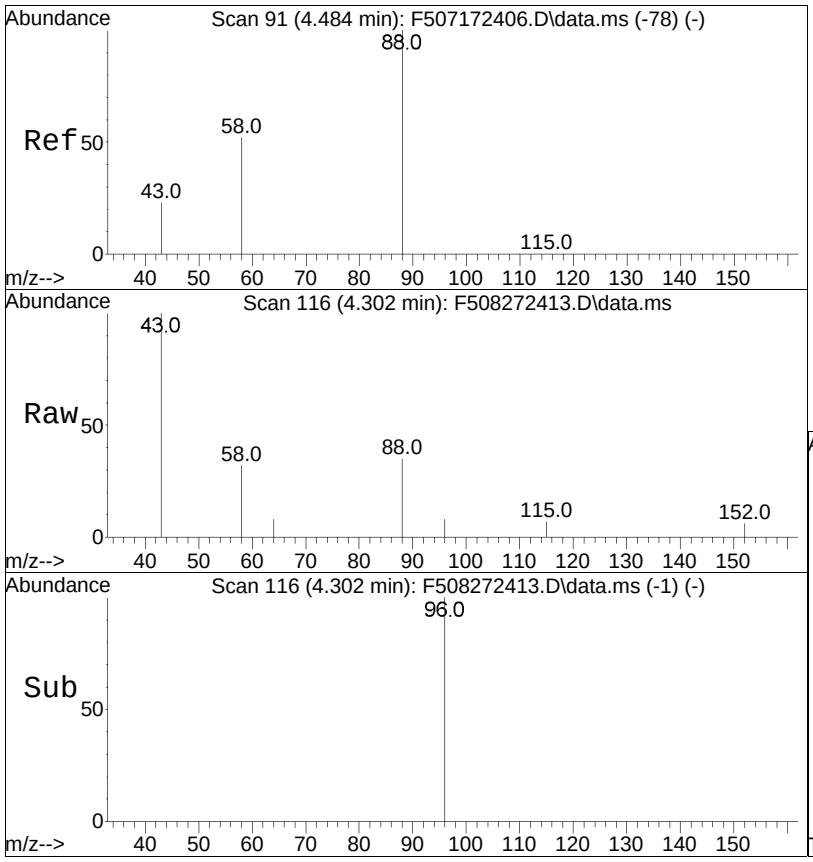
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272413.D
Acq On : 27 Aug 2024 1:30 pm
Operator : PAH5:GRS
Sample : L2447503-01,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 28 10:19:00 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

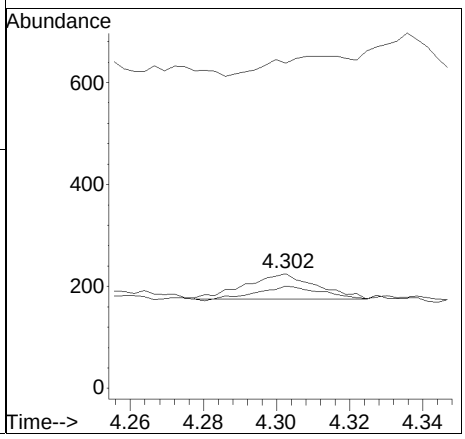




#2
1,4-dioxane
Concen: 6.89 ng/mL M7
RT: 4.302 min Scan# 116
Delta R.T. 0.033 min
Lab File: F508272413.D
Acq: 27 Aug 2024 1:30 pm

Tgt Ion: 88 Resp: 68

Ion	Ratio	Lower	Upper
88	100		
58	57.4	41.5	62.3
43	27.9	19.0	28.6

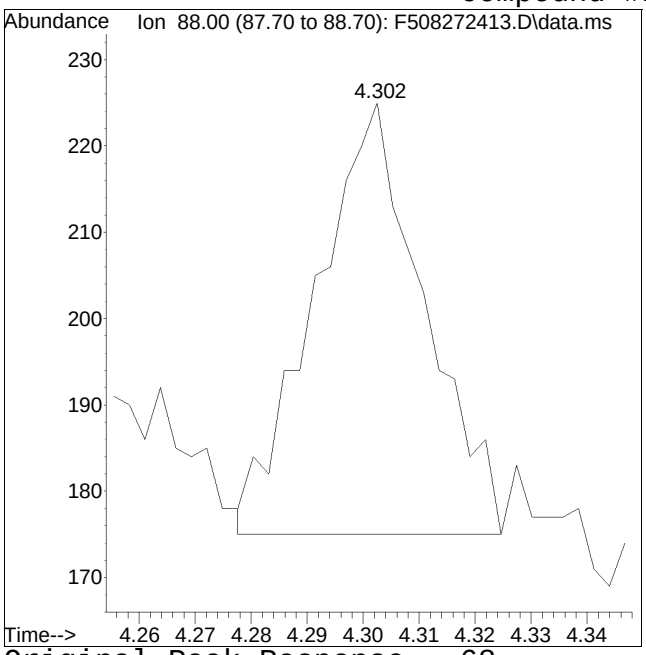


Manual Integration/Negative Proof Report

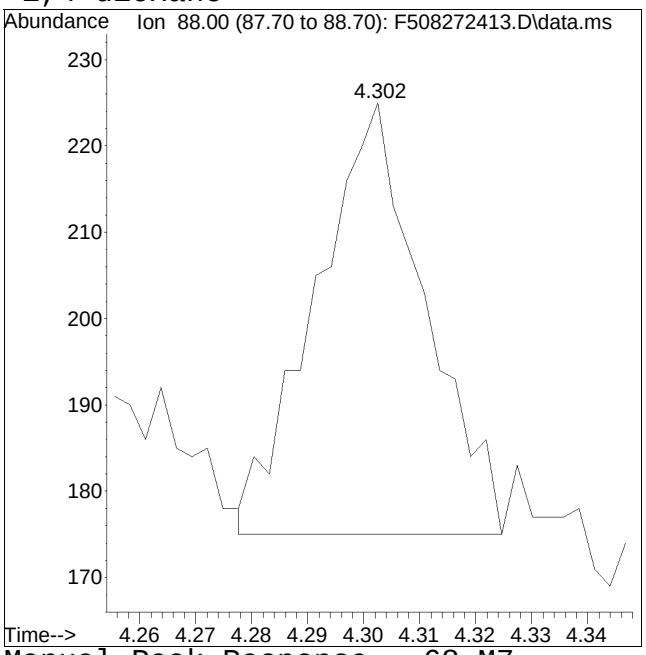
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F508272413.D
Date Inj'd : 8/27/2024 1:30 pm
Sample : L2447503-01,32

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:GRS
Instrument : PAH 5
Quant Date : 8/28/2024 9:30 am

Compound #2: 1,4-dioxane



Original Peak Response = 68



Manual Peak Response = 68 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272414.D
Acq On : 27 Aug 2024 1:58 pm
Operator : PAH5:GRS
Sample : L2447503-07,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 10:19:13 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.250	64	2768	500.000	ng/mL	0.03
3) 1,4-Dichlorobenzene-d4	7.775	152	23750	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.250	64	2768	229.182	ng/mL	0.03
Spiked Amount 500.000	Range 15 - 115		Recovery = 45.84%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

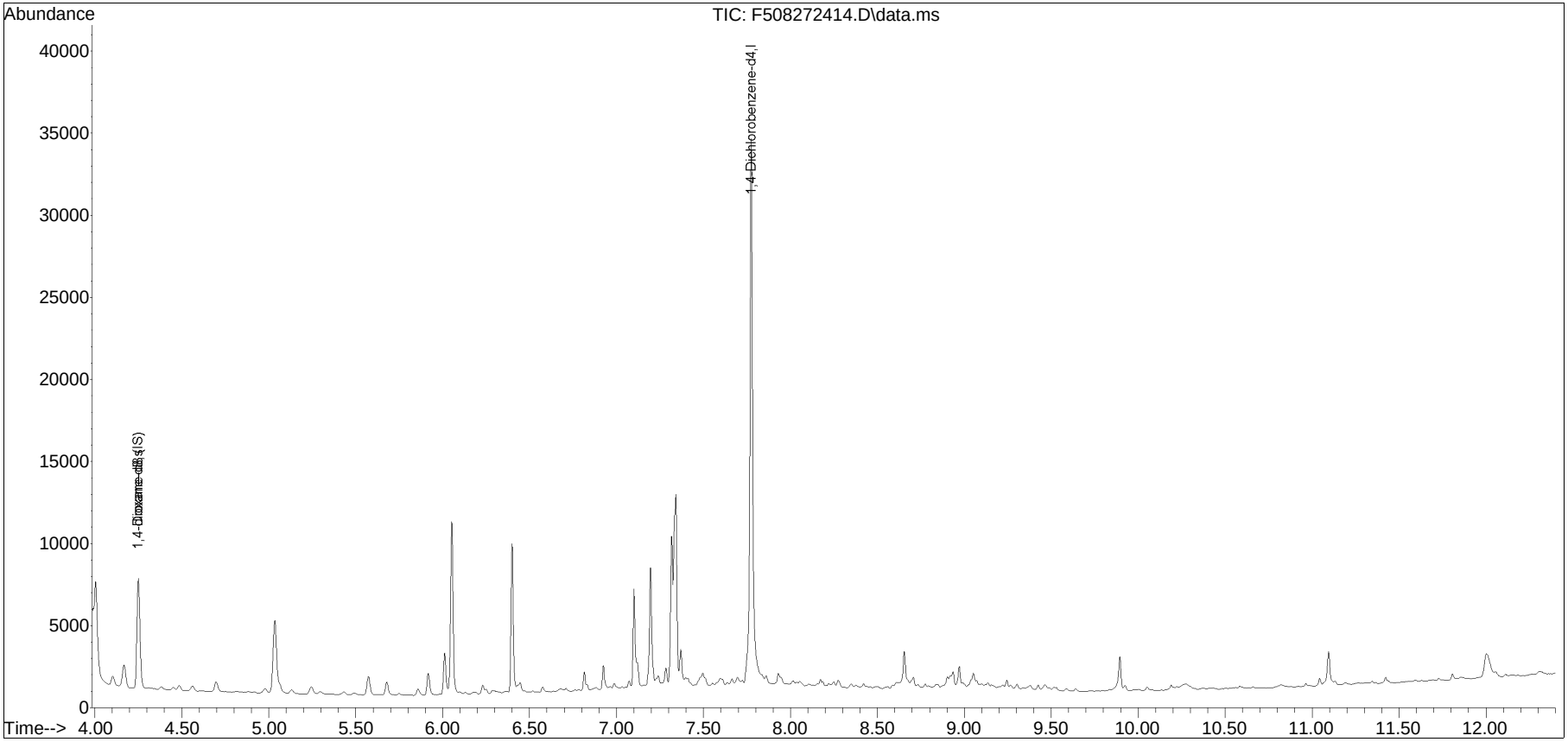
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272414.D
Acq On : 27 Aug 2024 1:58 pm
Operator : PAH5:GRS
Sample : L2447503-07,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 28 10:19:13 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272414.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 1:58 pm	Instrument	: PAH 5
Sample	: L2447503-07,32	Quant Date	: 8/28/2024 9:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282411.D
Acq On : 28 Aug 2024 1:02 pm
Operator : GCMS6:GRS
Sample : L2447503-05,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 10:12:36 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.100	64	18031	500.000	ng/mL	-0.01
3) 1,4-Dichlorobenzene-d4	8.786	152	122239M2	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.100	64	18031	232.277	ng/mL	-0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 46.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

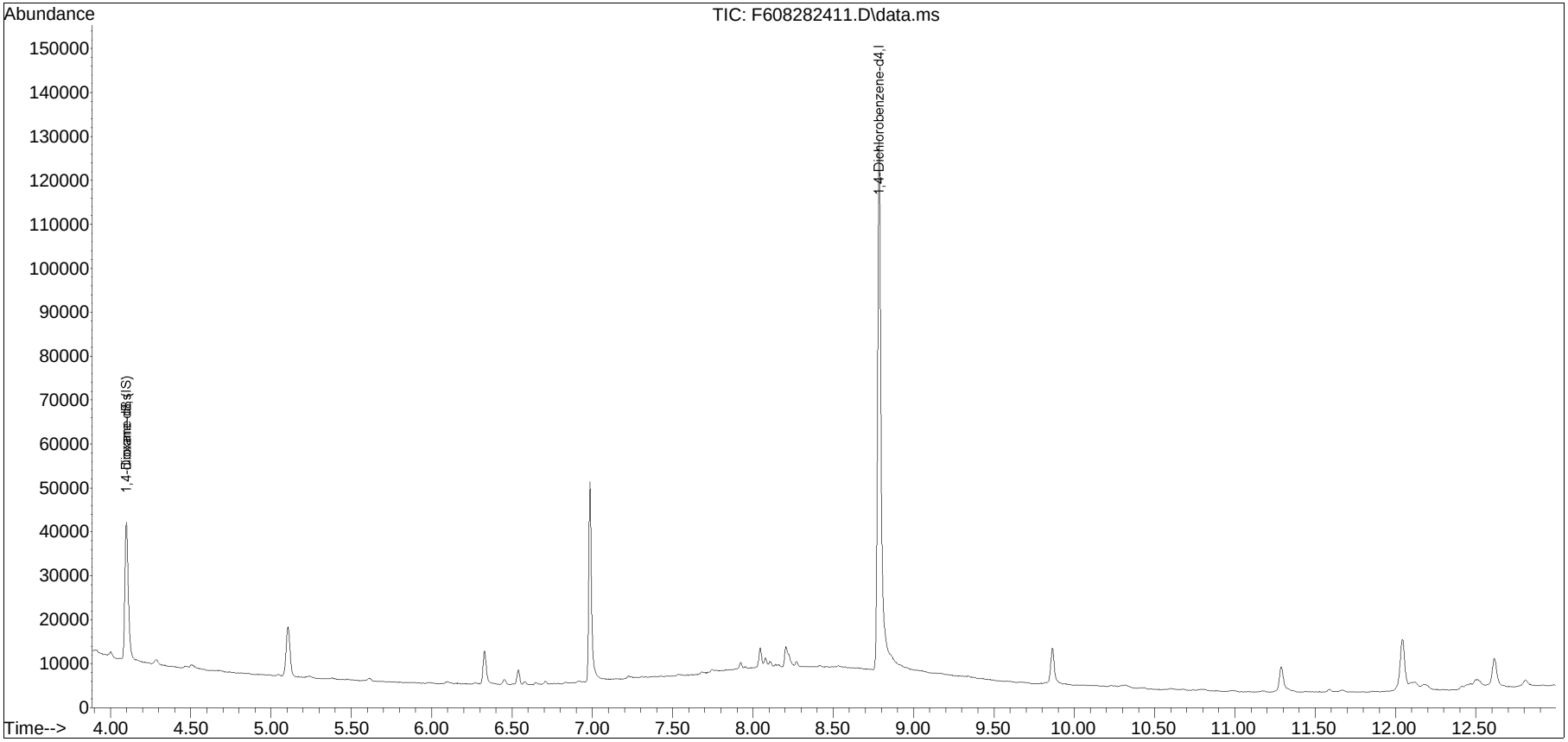
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282411.D
Acq On : 28 Aug 2024 1:02 pm
Operator : GCMS6:GRS
Sample : L2447503-05,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 29 10:12:36 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

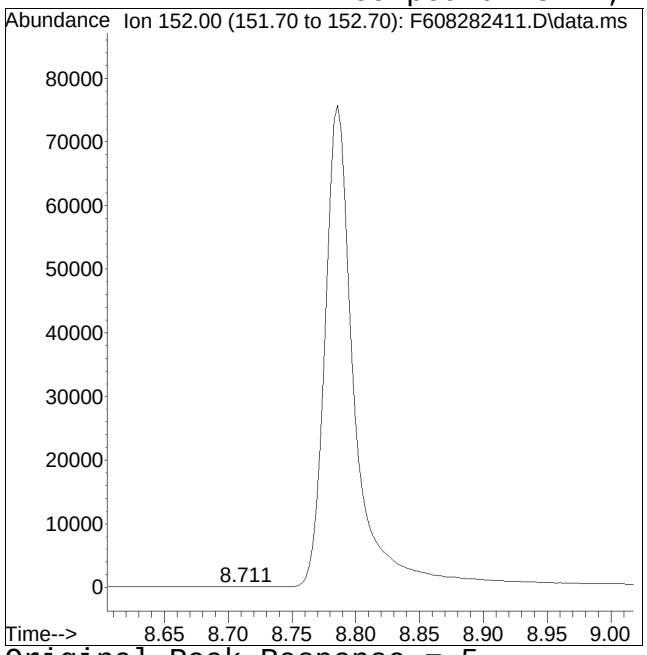


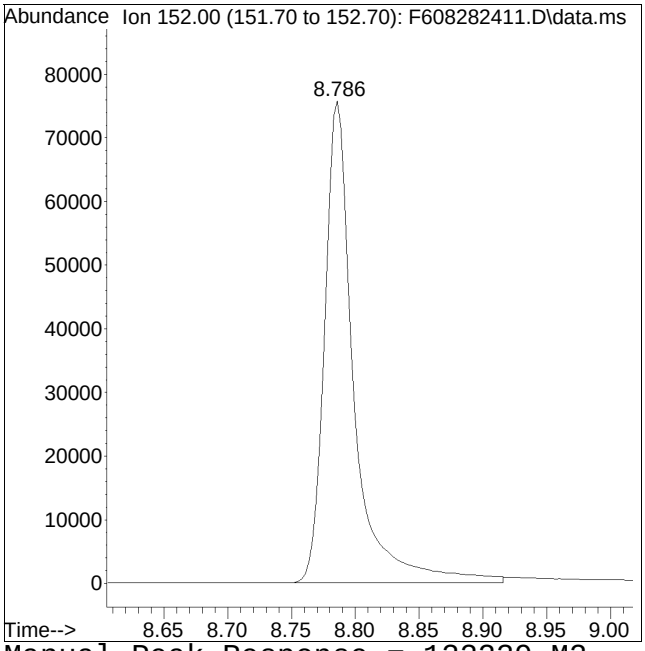
Manual Integration/Negative Proof Report

Data Path : O:\Organics\DATA\GCMS6\2024Q
Data File : F608282411.D
Date Inj'd : 8/28/2024 1:02 pm
Sample : L2447503-05,32,,

Method : 14DIOX0729GCMS6.M
Operator : GCMS6:GRS
Instrument : GCMS 6
Quant Date : 8/29/2024 10:06 am

Compound #3: 1,4-Dichlorobenzene-d4





Original Peak Response = 5 Manual Peak Response = 122239 M2
M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282412.D
Acq On : 28 Aug 2024 1:31 pm
Operator : GCMS6:GRS
Sample : L2447503-08,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 29 10:09:44 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.100	64	19283	500.000	ng/mL	-0.01
3) 1,4-Dichlorobenzene-d4	8.780	152	122667	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.100	64	19283	247.539	ng/mL	-0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.51%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

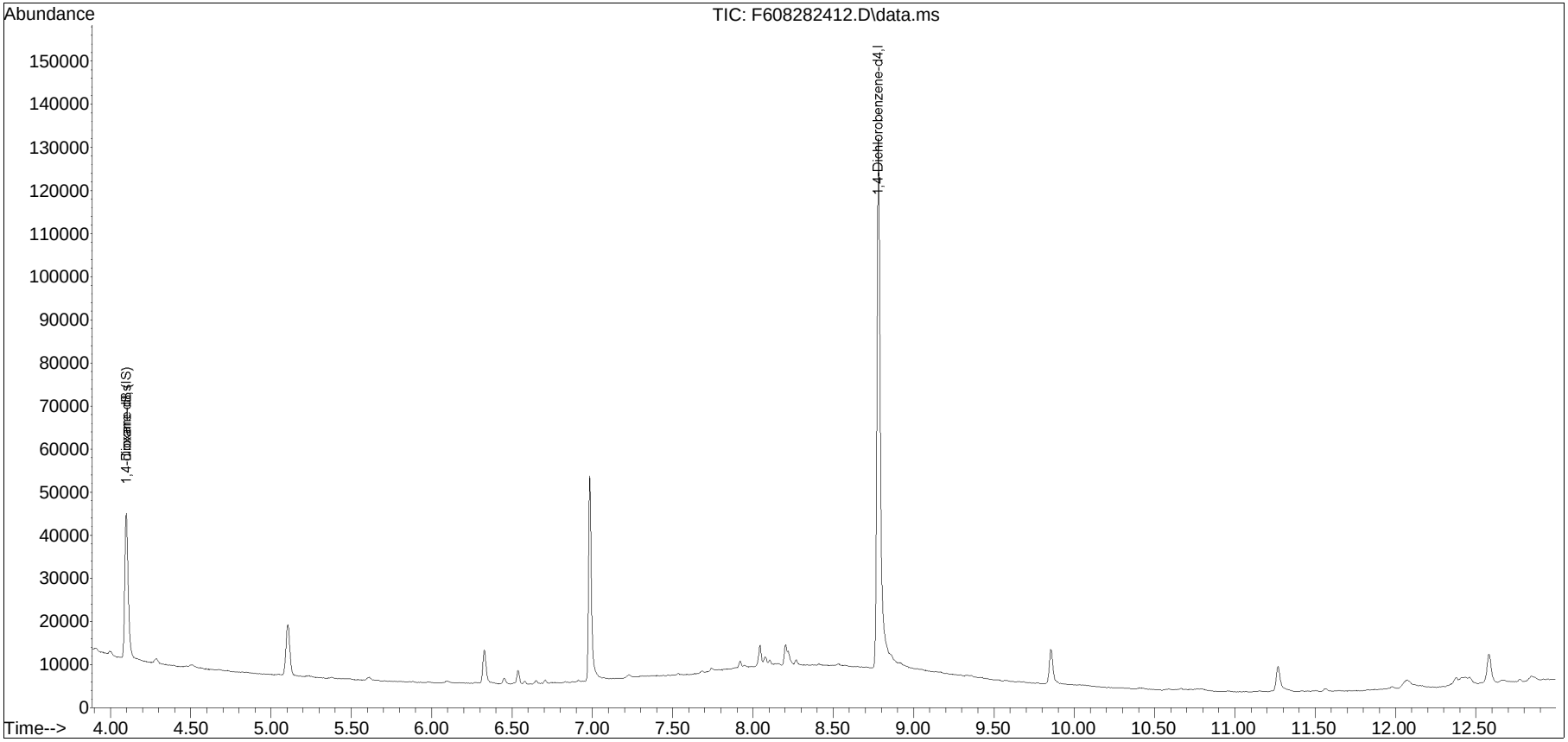
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282412.D
Acq On : 28 Aug 2024 1:31 pm
Operator : GCMS6:GRS
Sample : L2447503-08,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 29 10:09:44 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282412.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 1:31 pm	Instrument	: GCMS 6
Sample	: L2447503-08,32,,	Quant Date	: 8/29/2024 10:06 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282413.D
Acq On : 28 Aug 2024 2:00 pm
Operator : GCMS6:GRS
Sample : L2447503-09,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 10:09:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.105	64	19099	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.777	152	122561	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.105	64	19099	245.389	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.08%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

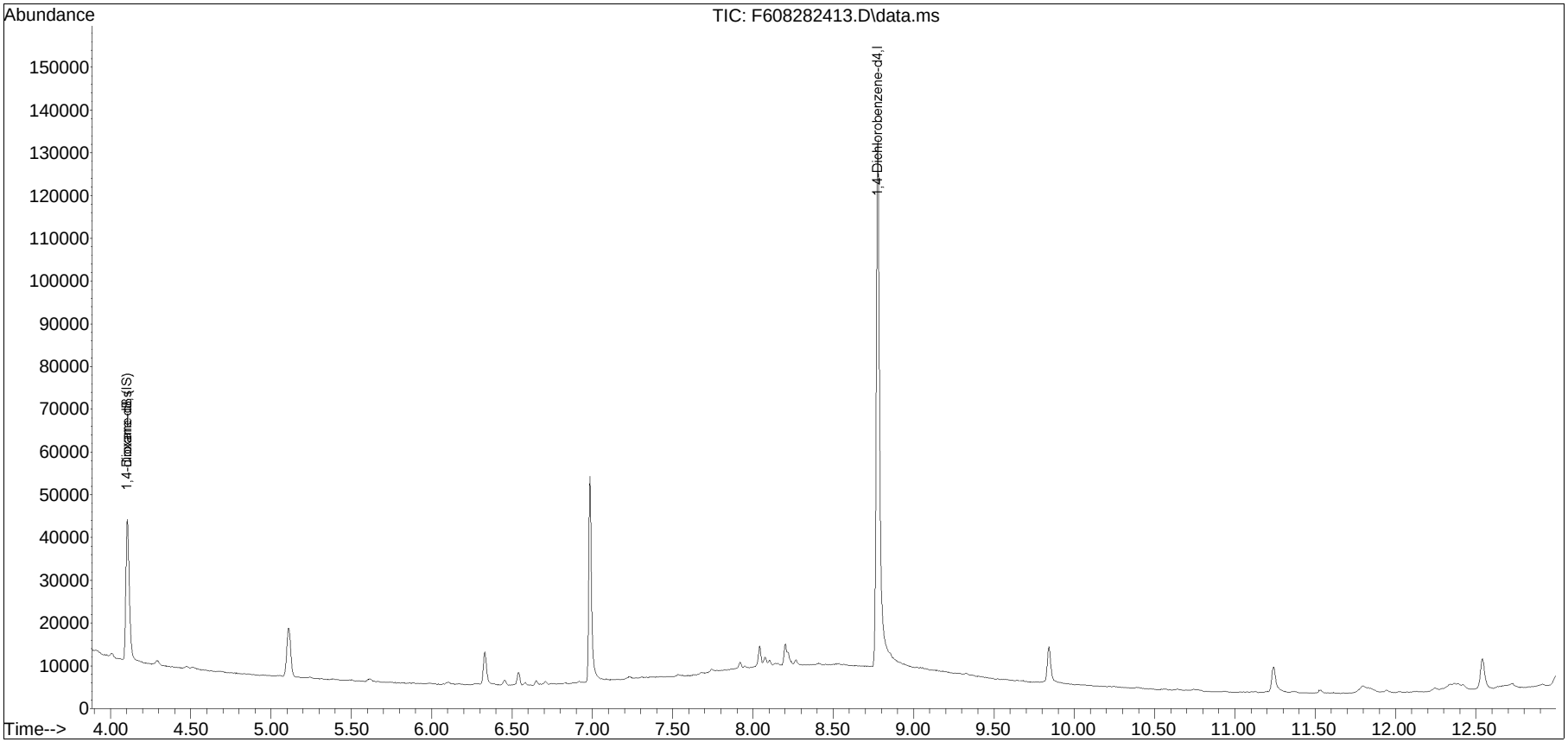
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282413.D
Acq On : 28 Aug 2024 2:00 pm
Operator : GCMS6:GRS
Sample : L2447503-09,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 29 10:09:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282413.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 2:00 pm	Instrument	: GCMS 6
Sample	: L2447503-09,32,,	Quant Date	: 8/29/2024 10:06 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282414.D
Acq On : 28 Aug 2024 2:28 pm
Operator : GCMS6:GRS
Sample : L2447503-10,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 10:10:01 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.100	64	19380	500.000	ng/mL	-0.01
3) 1,4-Dichlorobenzene-d4	8.778	152	124344	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.100	64	19380	245.429	ng/mL	-0.01
Spiked Amount 500.000	Range 15 - 115		Recovery = 49.09%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

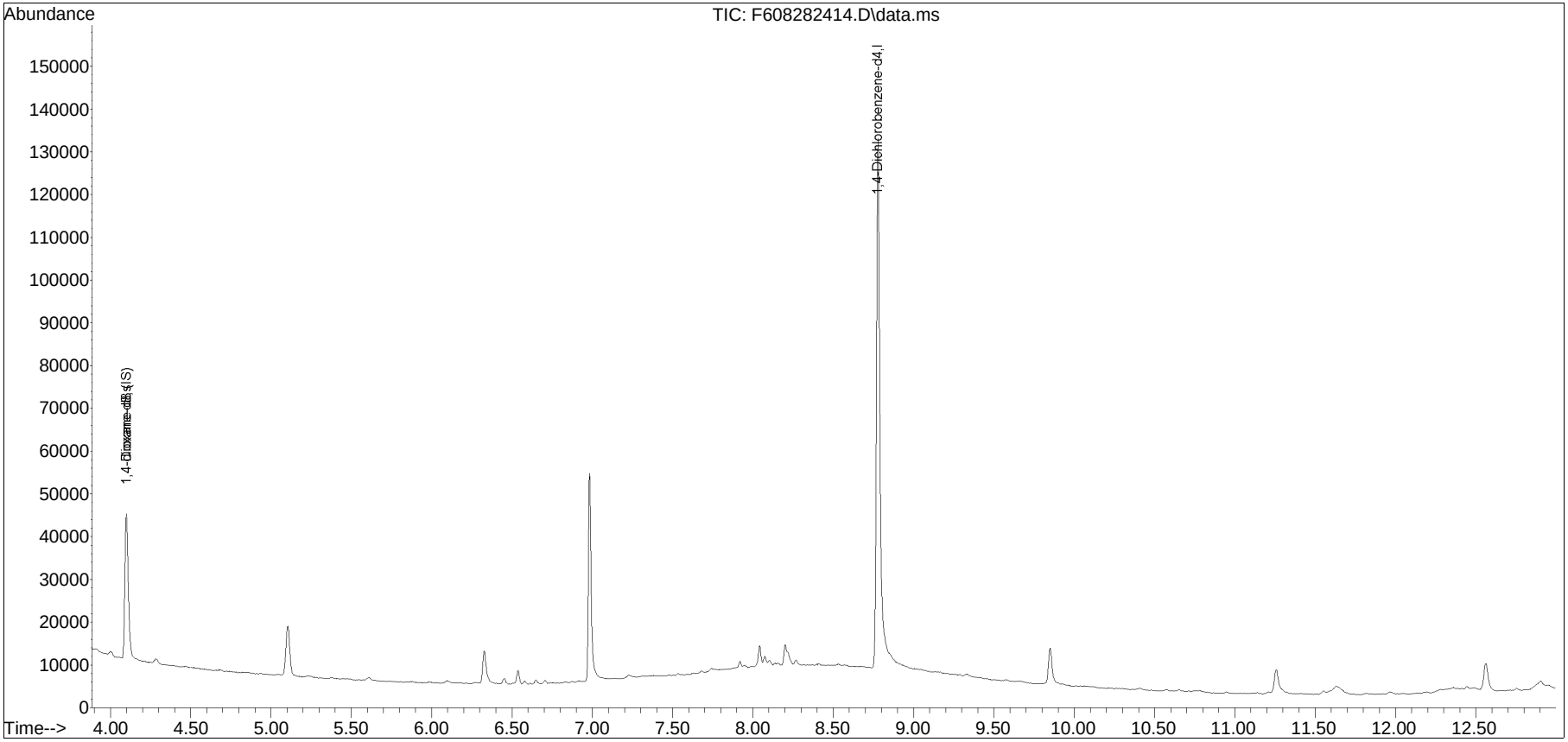
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282414.D
Acq On : 28 Aug 2024 2:28 pm
Operator : GCMS6:GRS
Sample : L2447503-10,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 29 10:10:01 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282414.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 2:28 pm	Instrument	: GCMS 6
Sample	: L2447503-10,32,,	Quant Date	: 8/29/2024 10:06 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282415.D
Acq On : 28 Aug 2024 2:57 pm
Operator : GCMS6:GRS
Sample : L2447503-11,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 10:10:05 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.108	64	18882	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.783	152	125302	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.108	64	18882	237.294	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 47.46%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

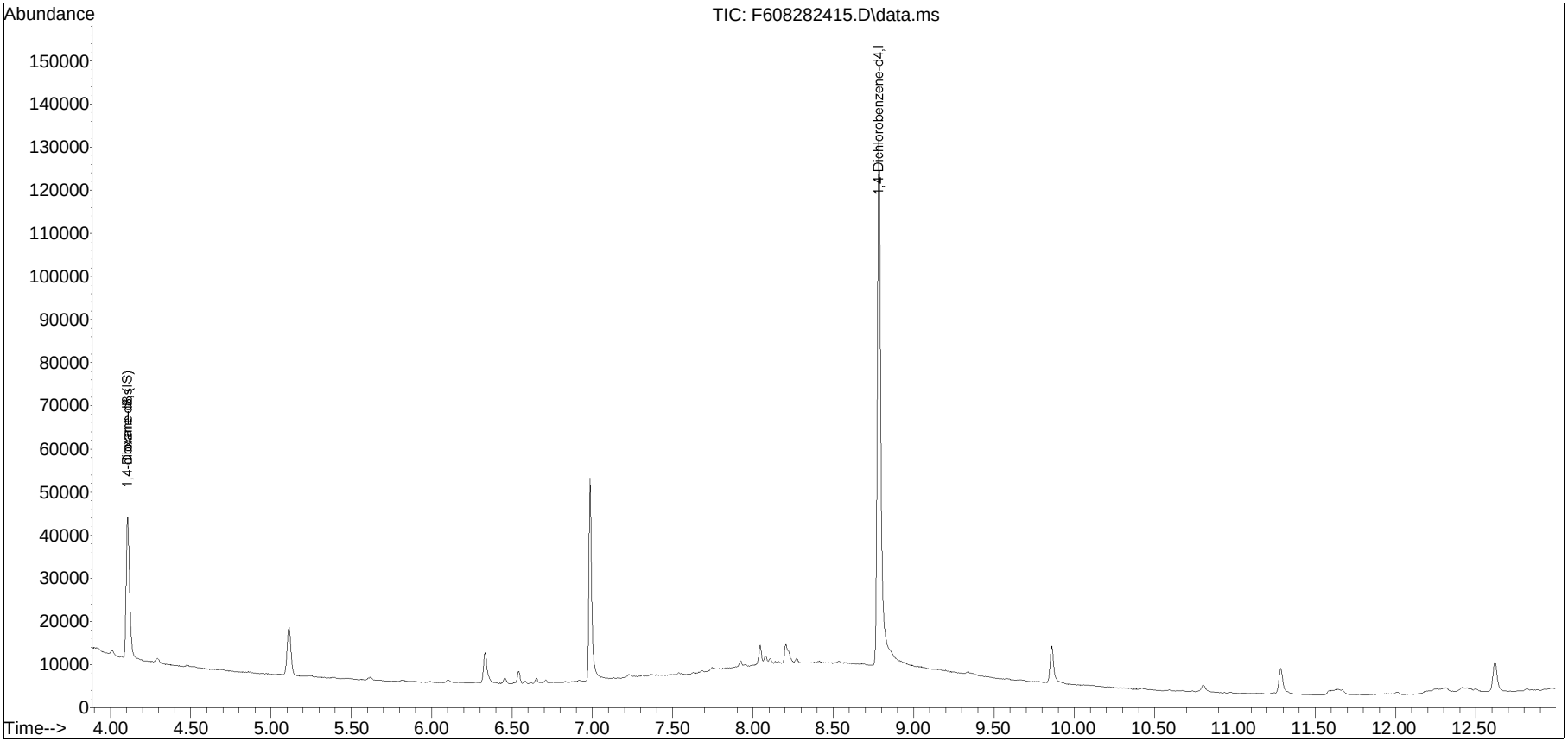
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282415.D
Acq On : 28 Aug 2024 2:57 pm
Operator : GCMS6:GRS
Sample : L2447503-11,32,,
Misc : WG1964894,WG1964624,ICAL21343
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 29 10:10:05 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Aug 29 09:25:39 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282415.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 2:57 pm	Instrument	: GCMS 6
Sample	: L2447503-11,32,,	Quant Date	: 8/29/2024 10:06 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PAH5**	**Ical Ref**	**: ICAL21302**
Calibration dates	**: 07/17/24 15:53 07/17/24 18:11**		

Calibration Files
10 =F507172402.D 50 =F507172403.D 100 =F507172404.D 500 =F507172405.D 1000=F507172406.D
5000=F507172407.D 1e04=F507172408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.910	1.754	1.785	1.781	1.838	1.751	1.753	1.796	3.27
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.258	0.261	0.256	0.255	0.251	0.250	0.249	0.254	1.87

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: GCMS6**	**Ical Ref**	**: ICAL21343**
Calibration dates	**: 07/29/24 09:17 07/29/24 11:29**		

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	----------ISTD----------								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	----------ISTD----------								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

Response Factor Report PAH 5

Method Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Method File : 14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Thu Jul 18 08:20:01 2024
Response Via : Initial Calibration

Calibration Files
10 =F507172402.D 50 =F507172403.D 100 =F507172404.D 500 =F507172405.D 1000=F507172406.D
5000=F507172407.D 1e04=F507172408.D

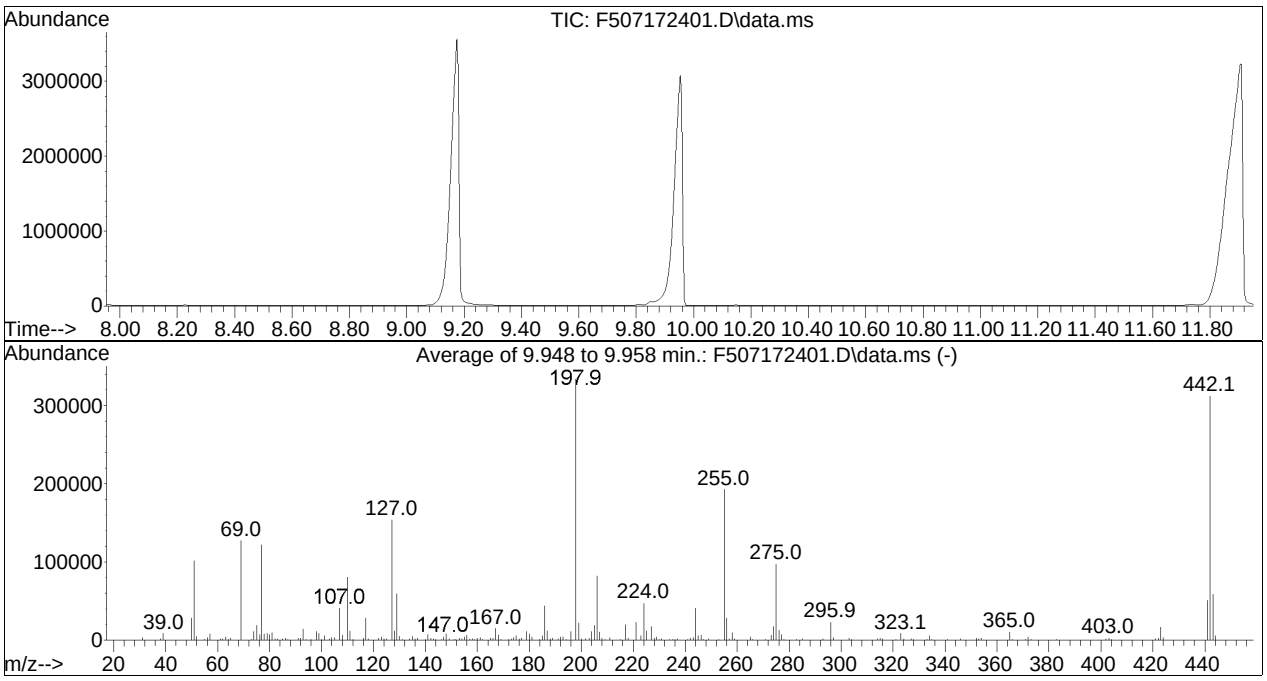
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.910	1.754	1.785	1.781	1.838	1.751	1.753	1.796	3.27
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.258	0.261	0.256	0.255	0.251	0.250	0.249	0.254	1.87

(#) = Out of Range

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172401.D
Acq On : 17 Jul 2024 3:18 pm
Operator : PAH5:CSP
Sample : T507172401
Misc : WG1948411,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Thu Jul 18 08:20:01 2024



Spectrum Information: Average of 9.948 to 9.958 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.5	101797	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	676	PASS
127	198	10	80	46.1	153843	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	334022	PASS
199	198	5	9	6.7	22394	PASS
275	198	10	60	29.1	97156	PASS
365	198	1	100	3.2	10753	PASS
441	442	0.01	24	16.3	50778	PASS
442	198	50	100	93.4	311864	PASS
443	442	15	24	18.9	58884	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172402.D
Acq On : 17 Jul 2024 3:53 pm
Operator : PAH5:CSP
Sample : I507172401
Misc : WG1948411,MSBT54
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 08:20:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.439	64	6834	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.873	152	26478	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.439	64	6834	507.538	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.51%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.494	88	261M4	10.633	ng/mL	

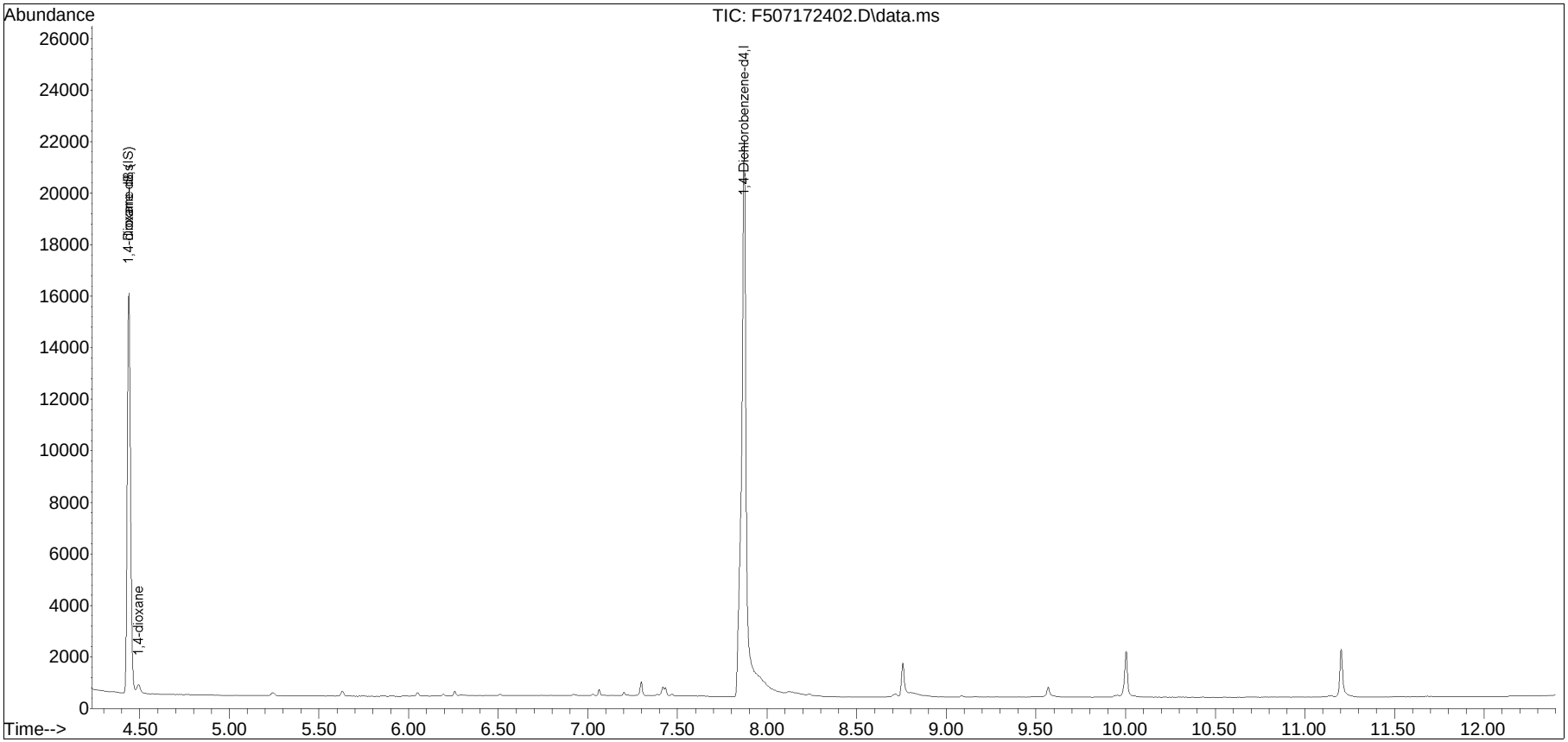
(#) = qualifier out of range (m) = manual integration (+) = signals summed

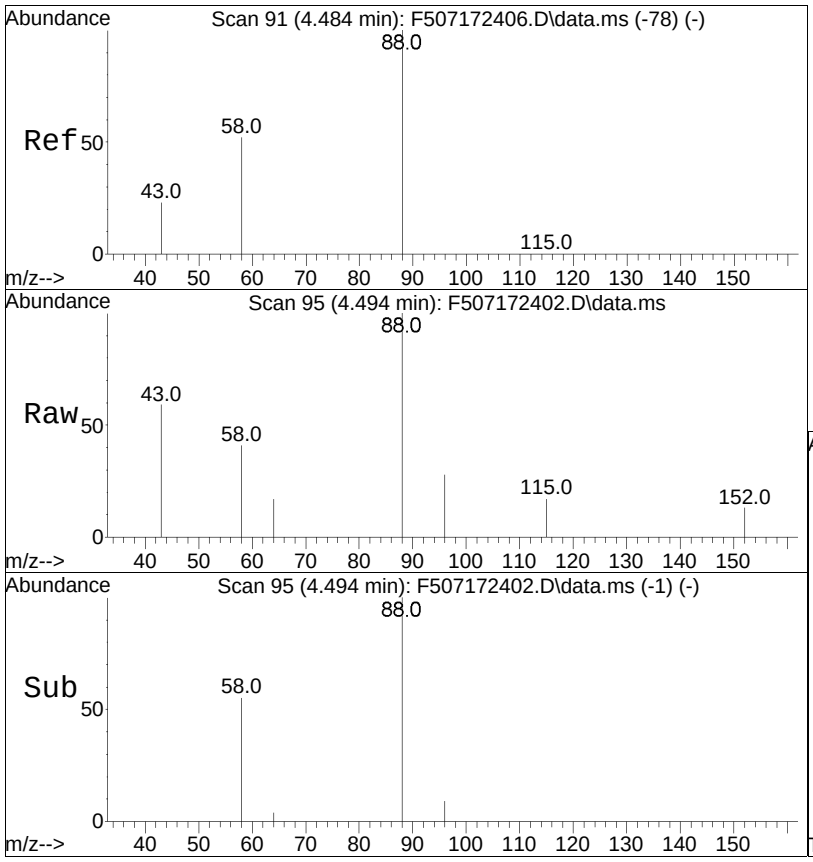
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172402.D
Acq On : 17 Jul 2024 3:53 pm
Operator : PAH5:CSP
Sample : I507172401
Misc : WG1948411,MSBT54
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 08:20:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

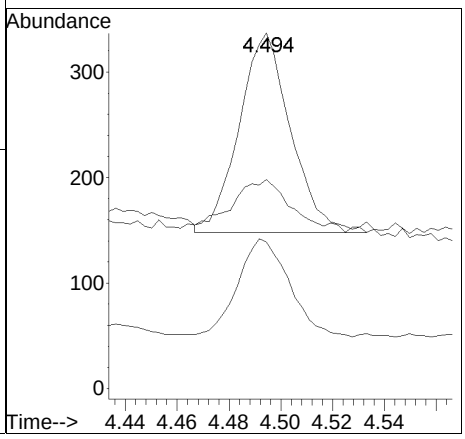




#2
1,4-dioxane
Concen: 10.63 ng/mL M4
RT: 4.494 min Scan# 95
Delta R.T. 0.011 min
Lab File: F507172402.D
Acq: 17 Jul 2024 3:53 pm

Tgt Ion: 88 Resp: 261

Ion	Ratio	Lower	Upper
88	100		
58	49.4	41.5	62.3
43	0.0	19.0	28.6#

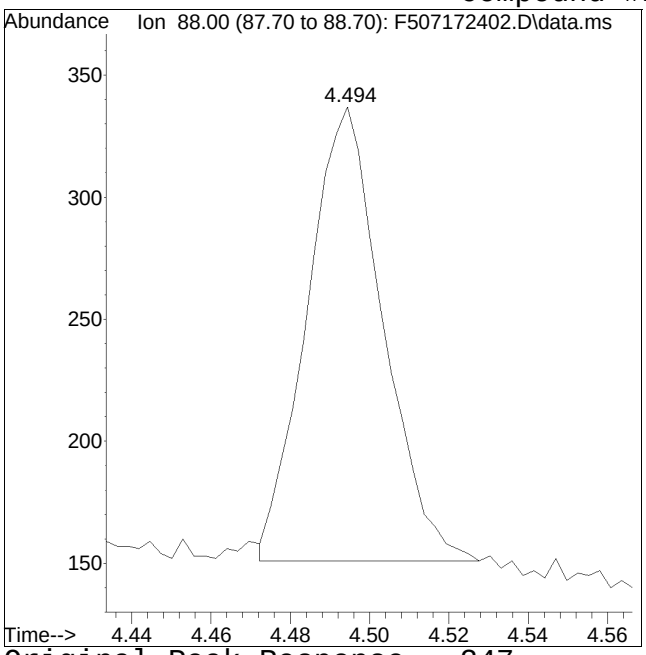


Manual Integration/Negative Proof Report

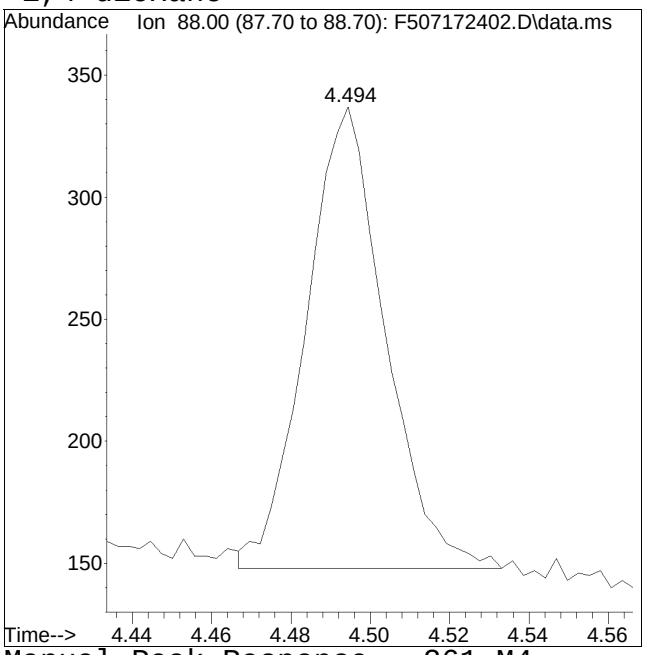
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172402.D
Date Inj'd : 7/17/2024 3:53 pm
Sample : I507172401

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #2: 1,4-dioxane



Original Peak Response = 247



Manual Peak Response = 261 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172403.D
Acq On : 17 Jul 2024 4:24 pm
Operator : PAH5:CSP
Sample : I507172402
Misc : WG1948411,MSBT55
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 08:20:35 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6960	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.879	152	26623	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6960	514.080	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 102.82%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.486	88	1221	48.843	ng/mL	99

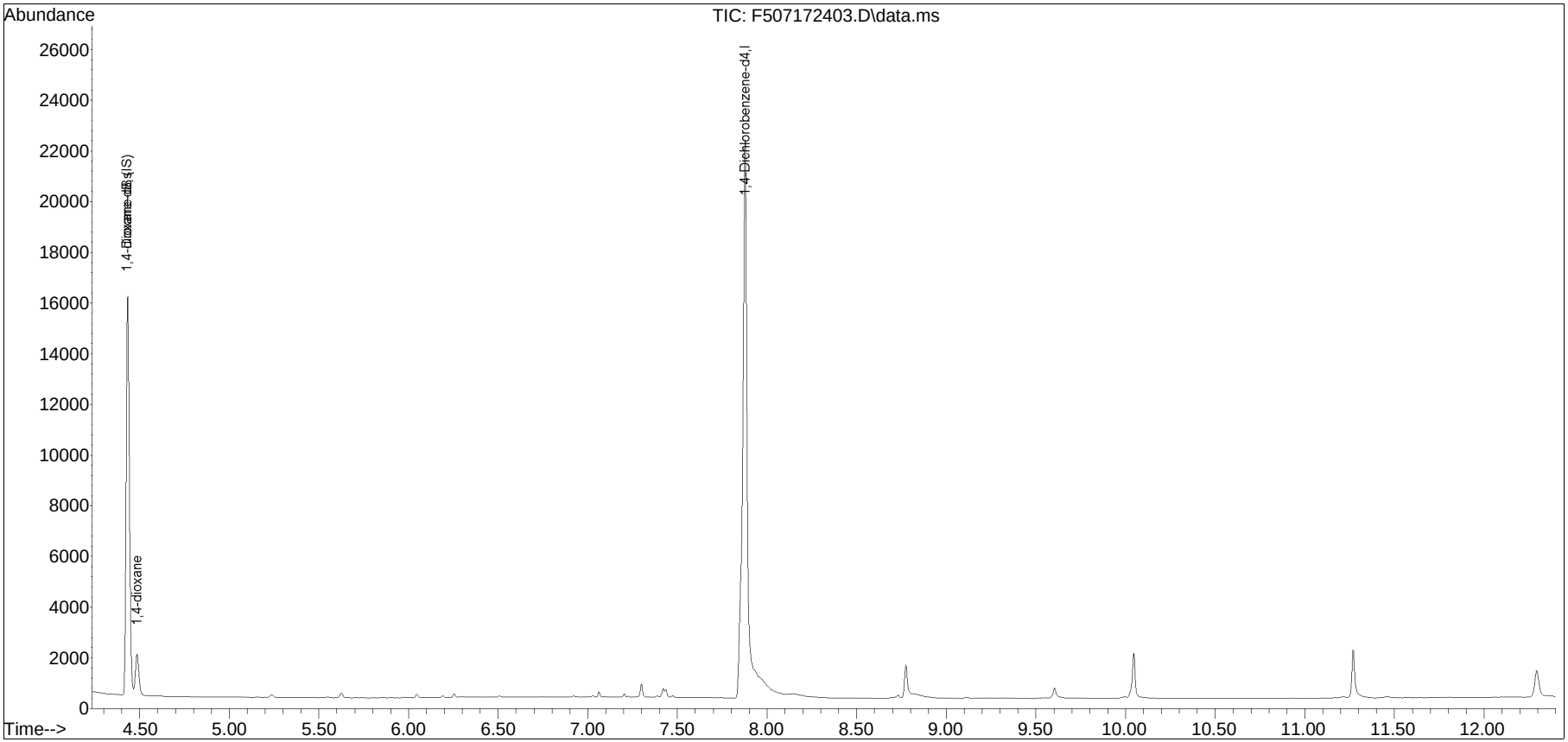
(#) = qualifier out of range (m) = manual integration (+) = signals summed

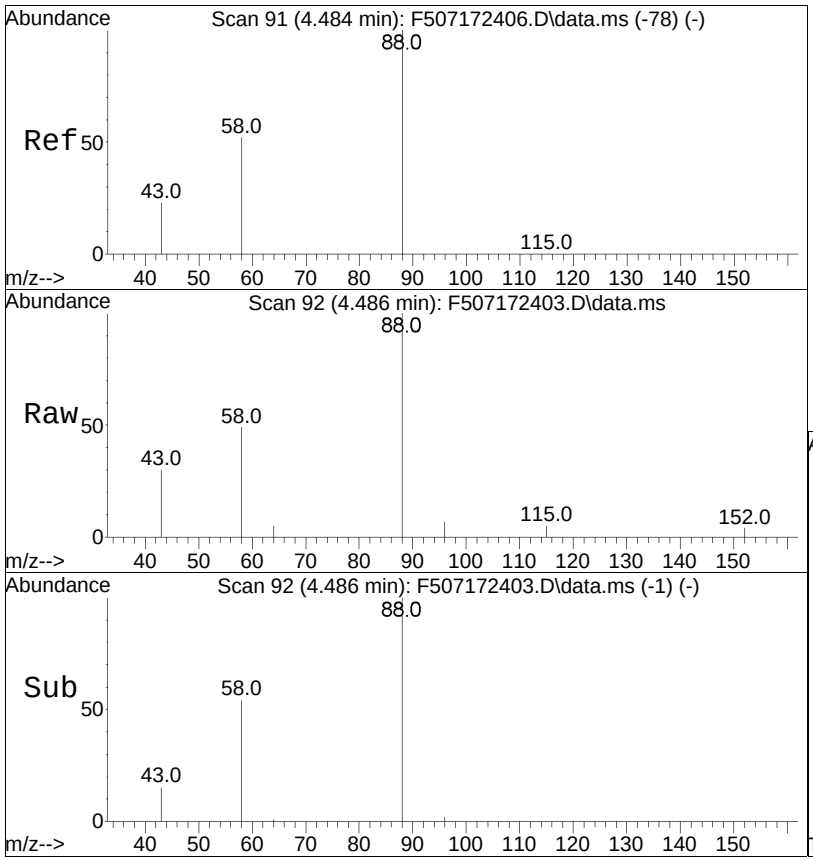
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172403.D
Acq On : 17 Jul 2024 4:24 pm
Operator : PAH5:CSP
Sample : I507172402
Misc : WG1948411,MSBT55
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 08:20:35 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

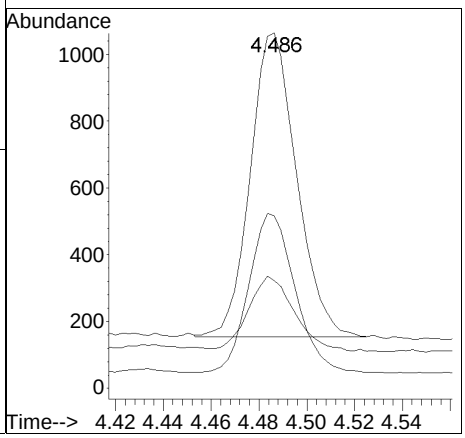




#2
1,4-dioxane
Concen: 48.84 ng/mL
RT: 4.486 min Scan# 92
Delta R.T. 0.003 min
Lab File: F507172403.D
Acq: 17 Jul 2024 4:24 pm

Tgt Ion: 88 Resp: 1221

Ion	Ratio	Lower	Upper
88	100		
58	52.3	41.5	62.3
43	24.3	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172403.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 4:24 pm	Instrument	: PAH 5
Sample	: I507172402	Quant Date	: 7/18/2024 8:20 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172404.D
Acq On : 17 Jul 2024 4:46 pm
Operator : PAH5:CSP
Sample : I507172403
Misc : WG1948411,MSBU56
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 08:20:38 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.436	64	6873	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.876	152	26805M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.436	64	6873	504.207	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.84%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.489	88	2453	99.367	ng/mL	99

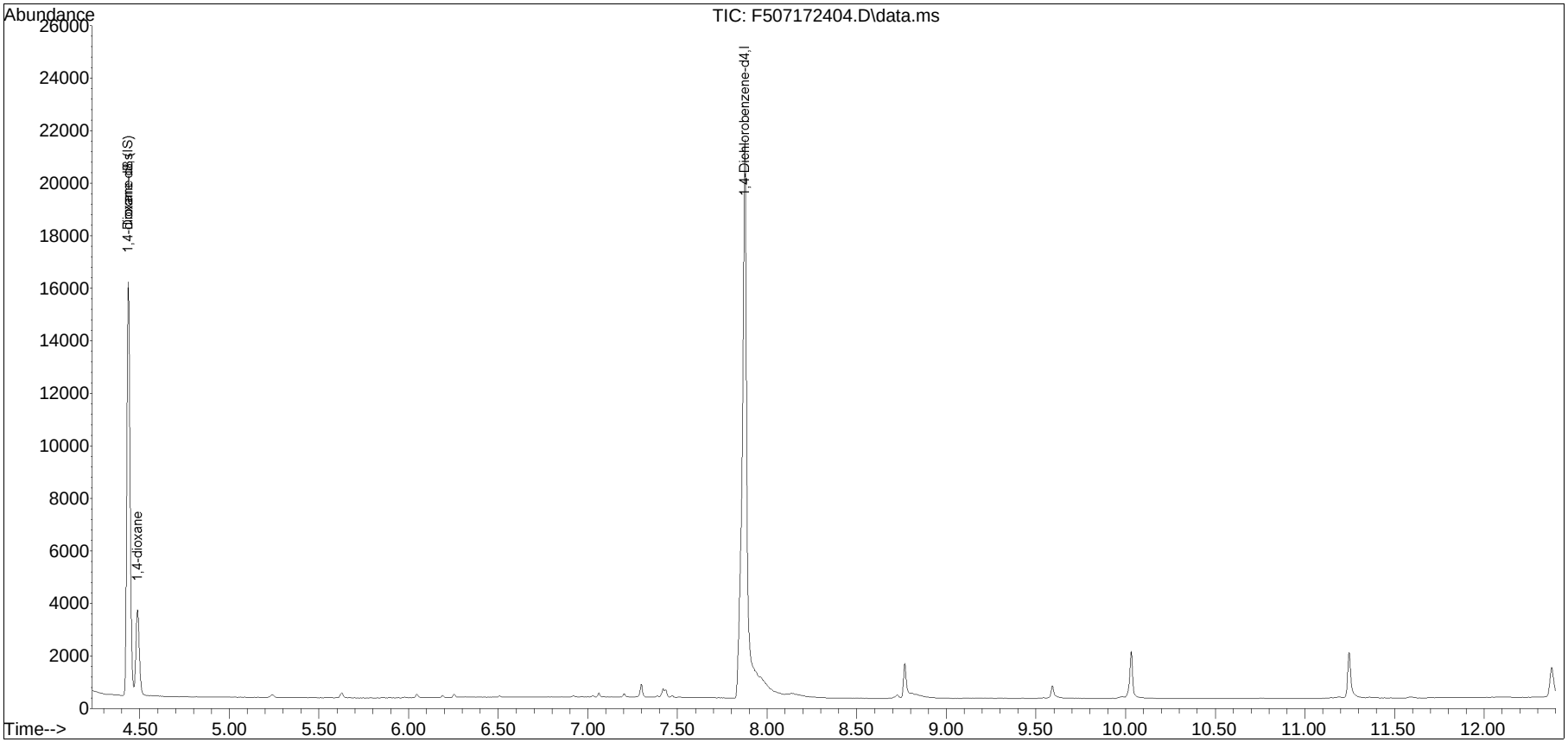
(#) = qualifier out of range (m) = manual integration (+) = signals summed

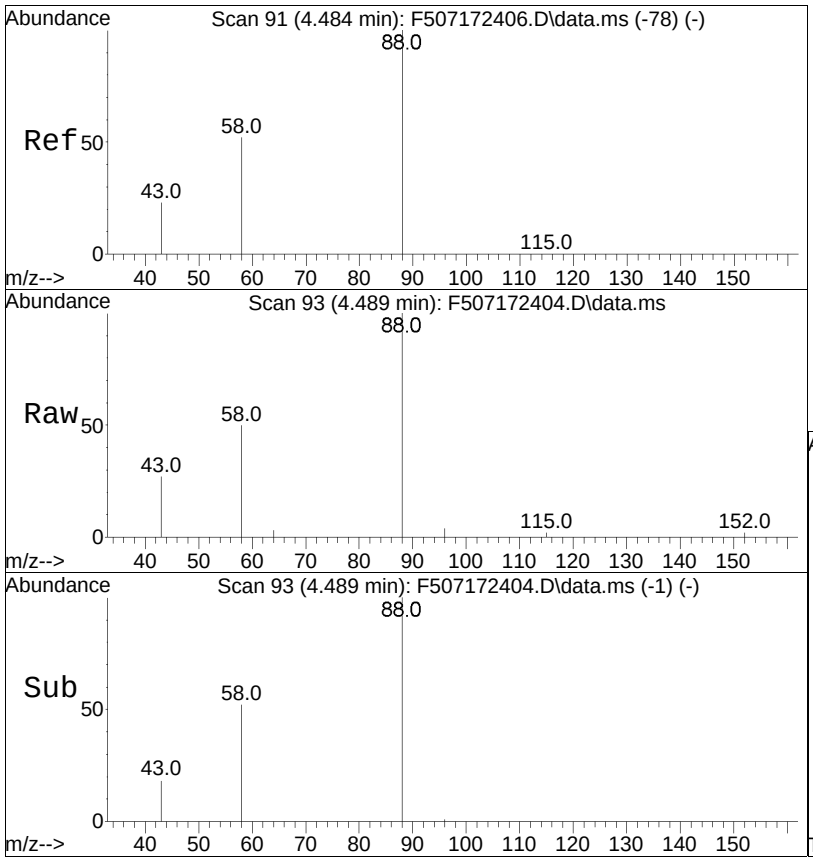
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172404.D
Acq On : 17 Jul 2024 4:46 pm
Operator : PAH5:CSP
Sample : I507172403
Misc : WG1948411,MSBU56
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 08:20:38 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

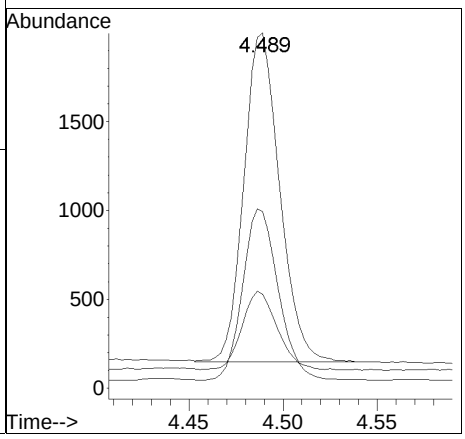




#2
1,4-dioxane
Concen: 99.37 ng/mL
RT: 4.489 min Scan# 93
Delta R.T. 0.005 min
Lab File: F507172404.D
Acq: 17 Jul 2024 4:46 pm

Tgt Ion: 88 Resp: 2453

Ion	Ratio	Lower	Upper
88	100		
58	51.7	41.5	62.3
43	23.2	19.0	28.6

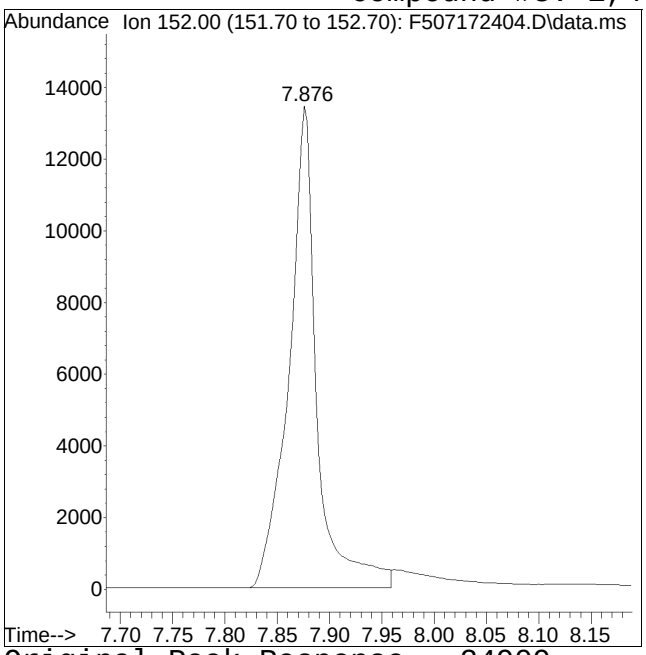


Manual Integration/Negative Proof Report

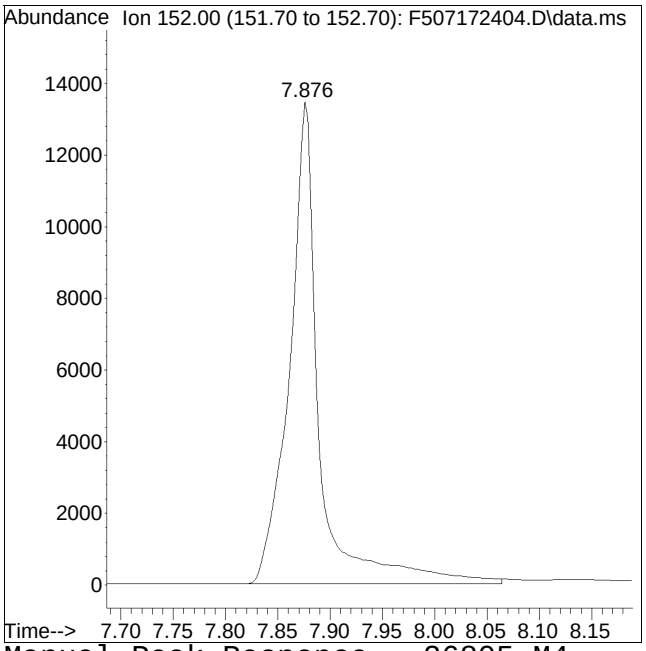
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172404.D
Date Inj'd : 7/17/2024 4:46 pm
Sample : I507172403

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 24909



Manual Peak Response = 26805 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172405.D
Acq On : 17 Jul 2024 5:07 pm
Operator : PAH5:CSP
Sample : I507172404
Misc : WG1948411,MSBU57
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 08:20:40 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6707	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.870	152	26326	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6707	500.982	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.20%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.484	88	11942	495.726	ng/mL	100

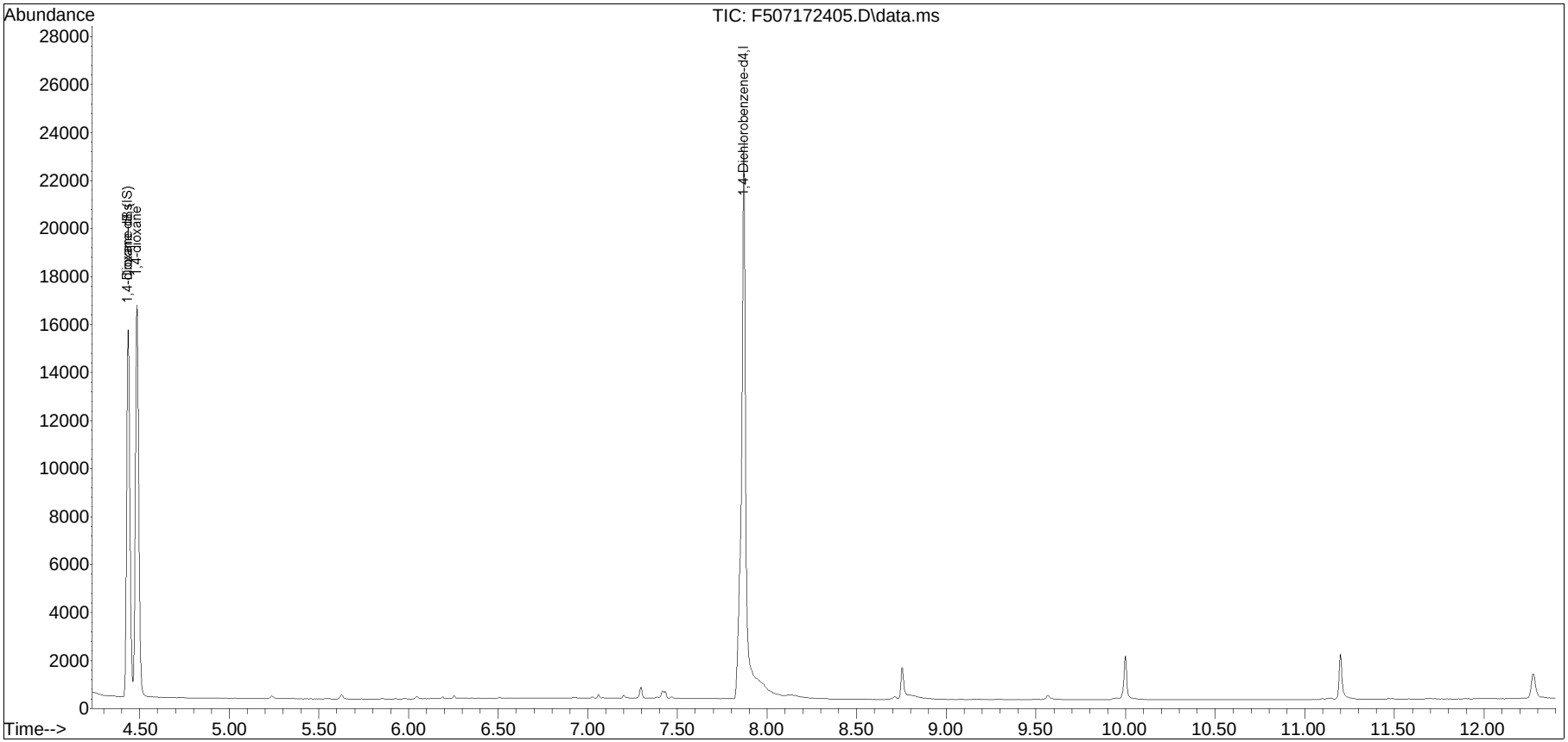
(#) = qualifier out of range (m) = manual integration (+) = signals summed

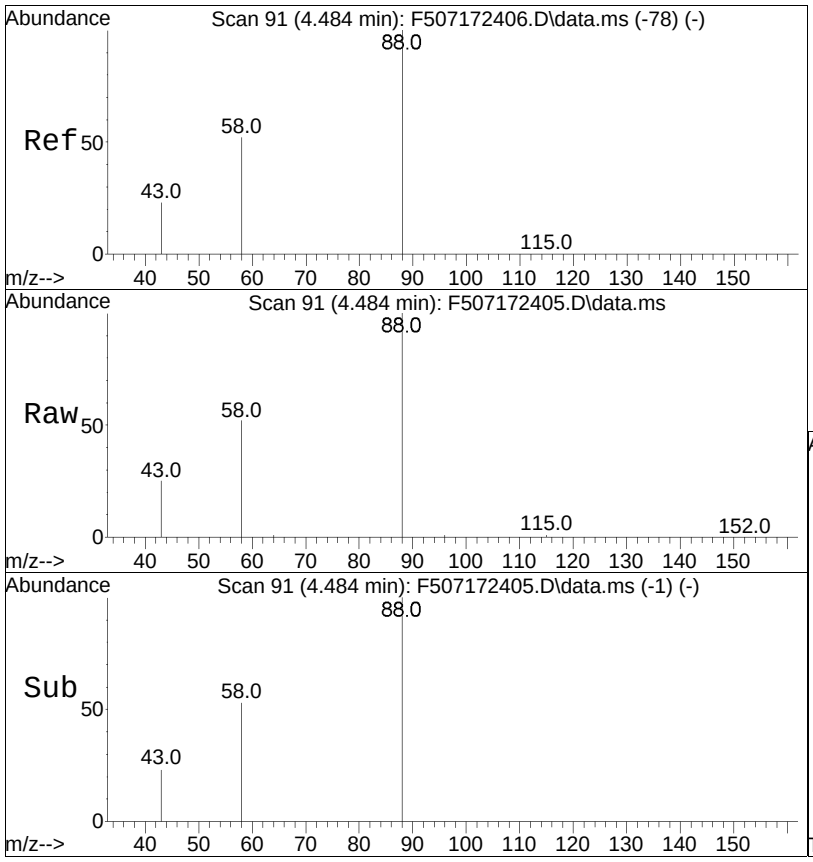
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172405.D
Acq On : 17 Jul 2024 5:07 pm
Operator : PAH5:CSP
Sample : I507172404
Misc : WG1948411,MSBU57
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 08:20:40 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

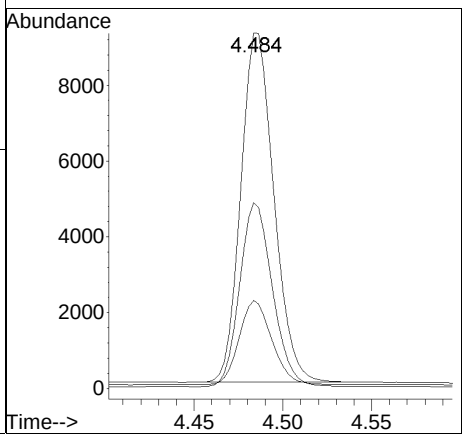




#2
1,4-dioxane
Concen: 495.73 ng/mL
RT: 4.484 min Scan# 91
Delta R.T. 0.000 min
Lab File: F507172405.D
Acq: 17 Jul 2024 5:07 pm

Tgt Ion: 88 Resp: 11942

Ion	Ratio	Lower	Upper
88	100		
58	52.1	41.5	62.3
43	23.6	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172405.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 5:07 pm	Instrument	: PAH 5
Sample	: I507172404	Quant Date	: 7/18/2024 8:20 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172406.D
Acq On : 17 Jul 2024 5:29 pm
Operator : PAH5:CSP
Sample : I507172405
Misc : WG1948411,MSBU37
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 08:20:43 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6647	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.868	152	26484	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6647	493.538	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.71%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.484	88	24437	1023.564	ng/mL	100

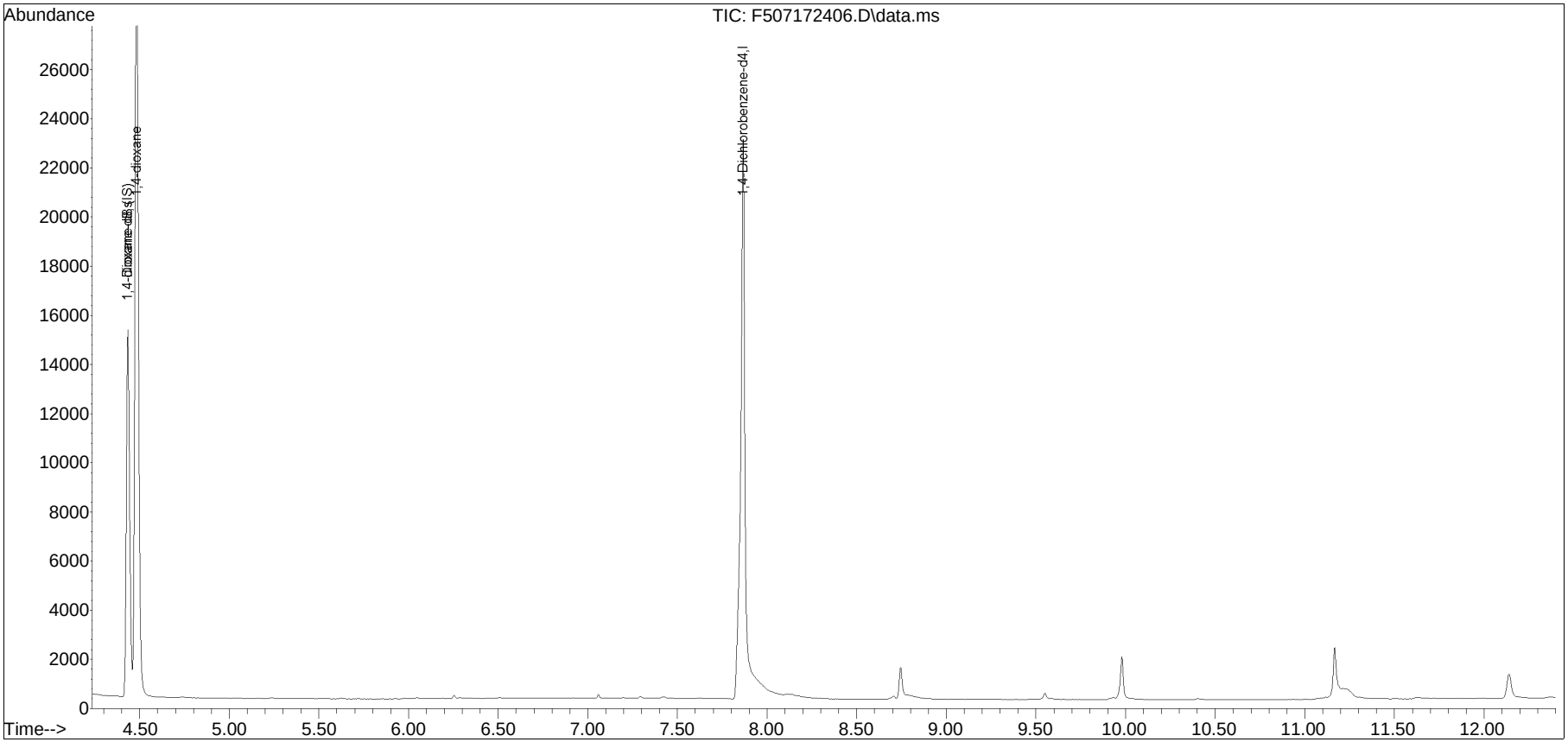
(#) = qualifier out of range (m) = manual integration (+) = signals summed

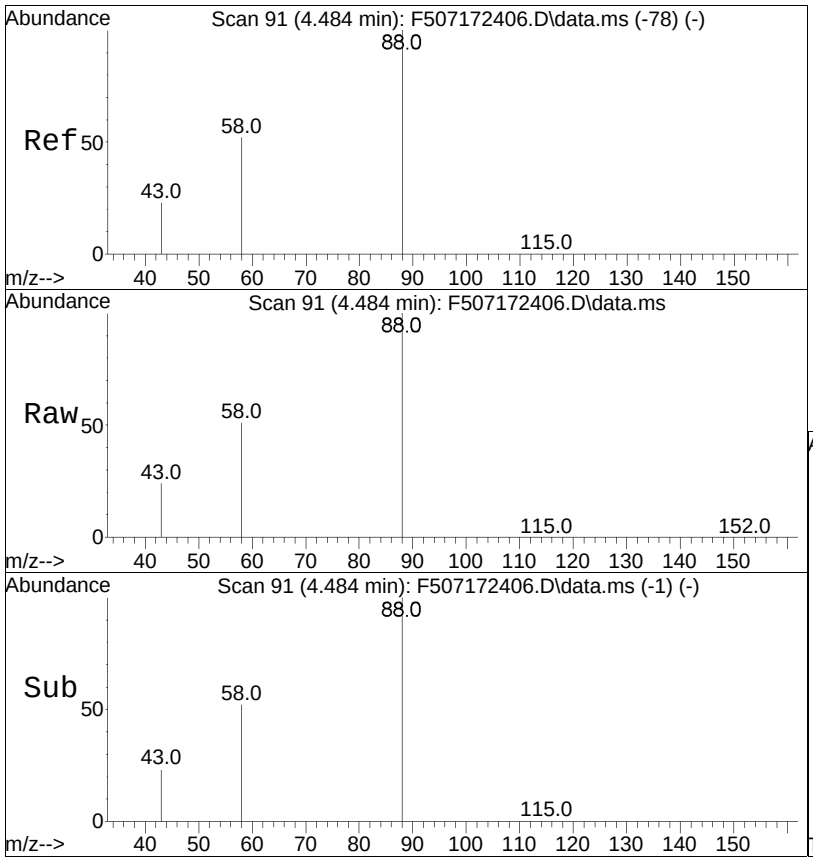
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172406.D
Acq On : 17 Jul 2024 5:29 pm
Operator : PAH5:CSP
Sample : I507172405
Misc : WG1948411,MSBU37
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 08:20:43 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

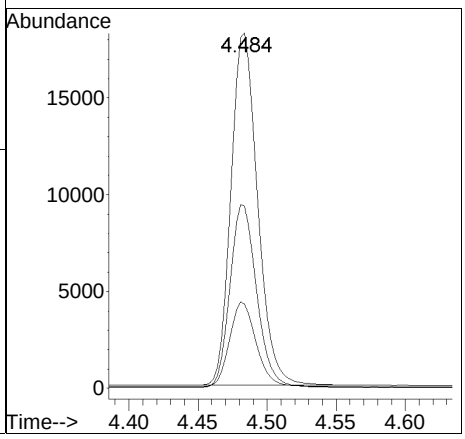




#2
1,4-dioxane
Concen: 1023.56 ng/mL
RT: 4.484 min Scan# 91
Delta R.T. 0.000 min
Lab File: F507172406.D
Acq: 17 Jul 2024 5:29 pm

Tgt Ion: 88 Resp: 24437

Ion	Ratio	Lower	Upper
88	100		
58	51.9	41.5	62.3
43	23.8	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F507172406.D	Operator	: PAH5:CSP
Date Inj'd	: 7/17/2024 5:29 pm	Instrument	: PAH 5
Sample	: I507172405	Quant Date	: 7/18/2024 8:20 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172407.D
Acq On : 17 Jul 2024 5:50 pm
Operator : PAH5:CSP
Sample : I507172406
Misc : WG1948411,MSBT59
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 18 08:20:46 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6552	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.865	152	26260M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6552	490.634	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.13%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.481	88	114722	4874.900	ng/mL	100

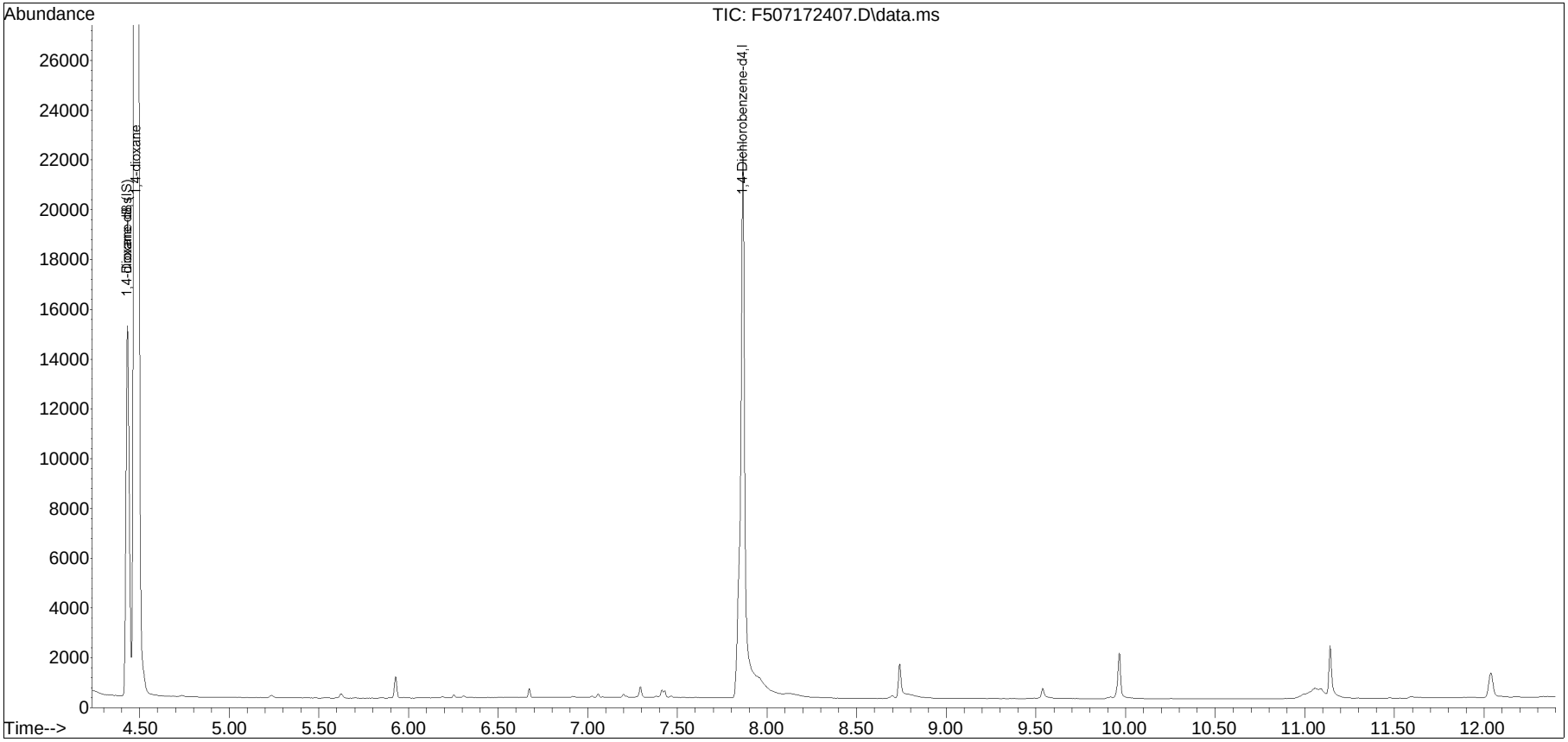
(#) = qualifier out of range (m) = manual integration (+) = signals summed

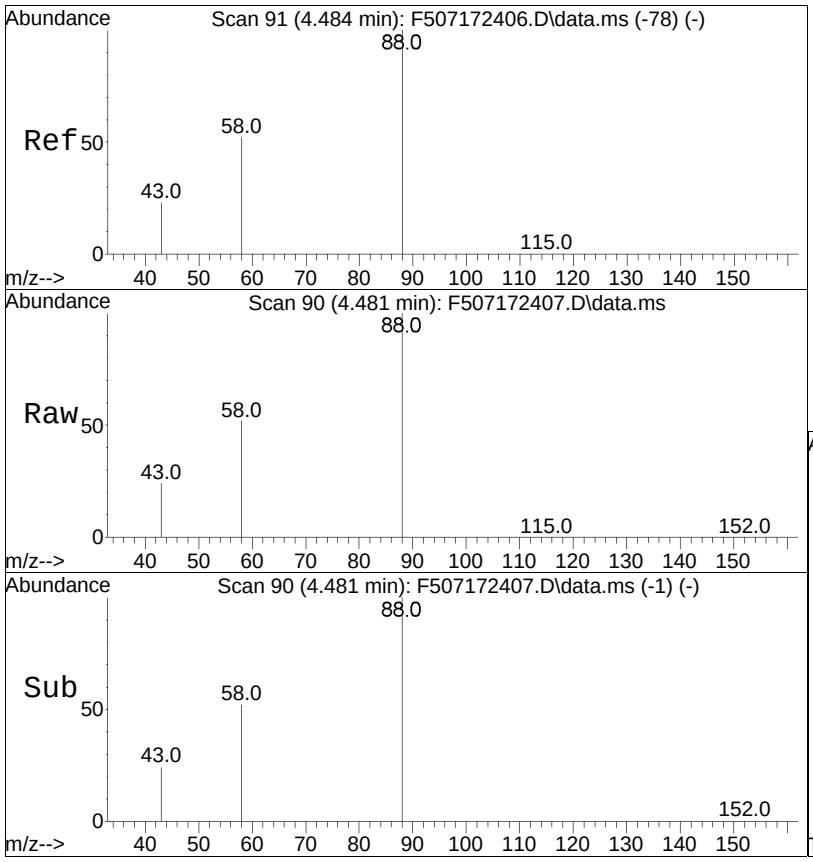
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172407.D
Acq On : 17 Jul 2024 5:50 pm
Operator : PAH5:CSP
Sample : I507172406
Misc : WG1948411,MSBT59
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 18 08:20:46 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

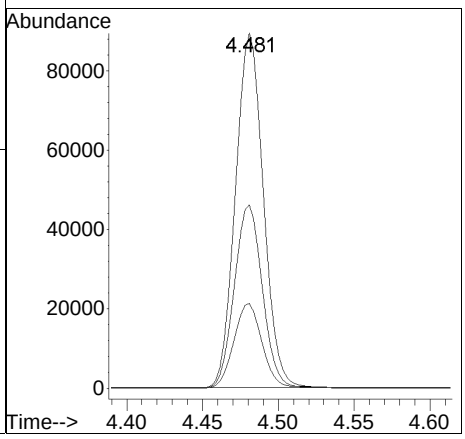




#2
1,4-dioxane
Concen: 4874.90 ng/mL
RT: 4.481 min Scan# 90
Delta R.T. -0.003 min
Lab File: F507172407.D
Acq: 17 Jul 2024 5:50 pm

Tgt Ion: 88 Resp: 114722

Ion	Ratio	Lower	Upper
88	100		
58	52.1	41.5	62.3
43	23.9	19.0	28.6

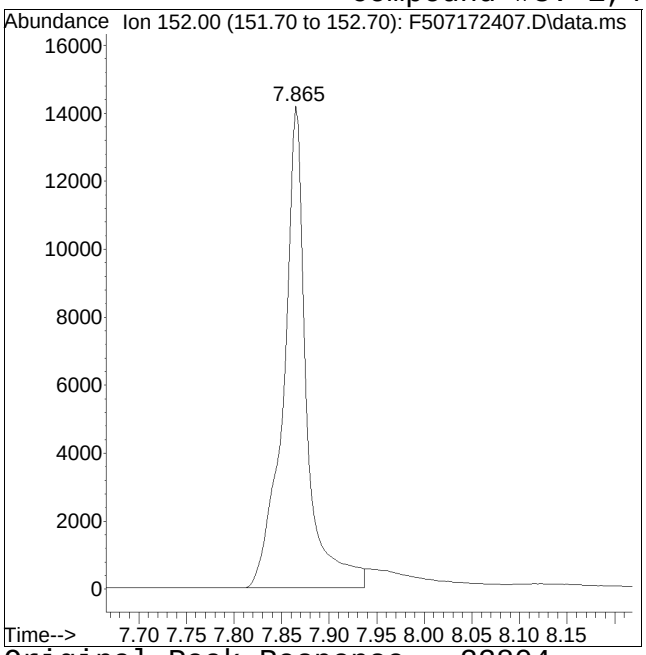


Manual Integration/Negative Proof Report

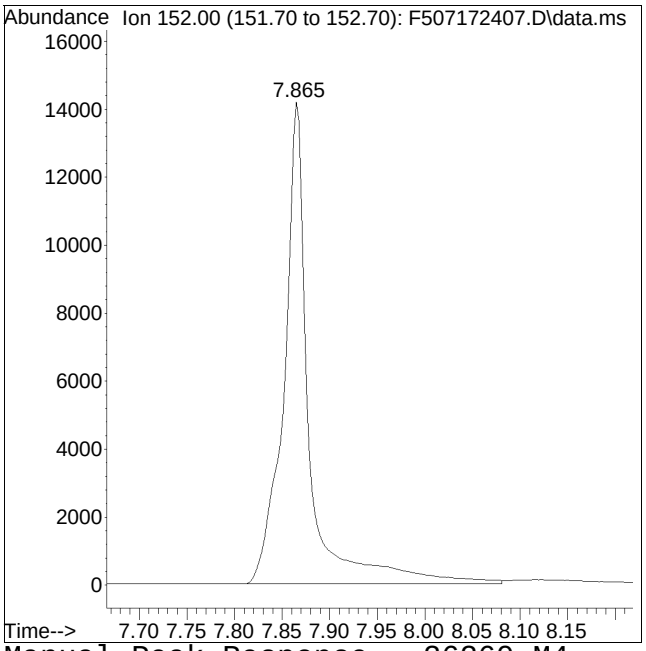
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172407.D
Date Inj'd : 7/17/2024 5:50 pm
Sample : I507172406

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 23804



Manual Peak Response = 26260 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172408.D
Acq On : 17 Jul 2024 6:11 pm
Operator : PAH5:CSP
Sample : I507172407
Misc : WG1948411,MSBT53
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 18 08:20:49 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.434	64	6520	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.859	152	26218M4	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.434	64	6520	489.020	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 97.80%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.486	88	228602	9761.697	ng/mL	99

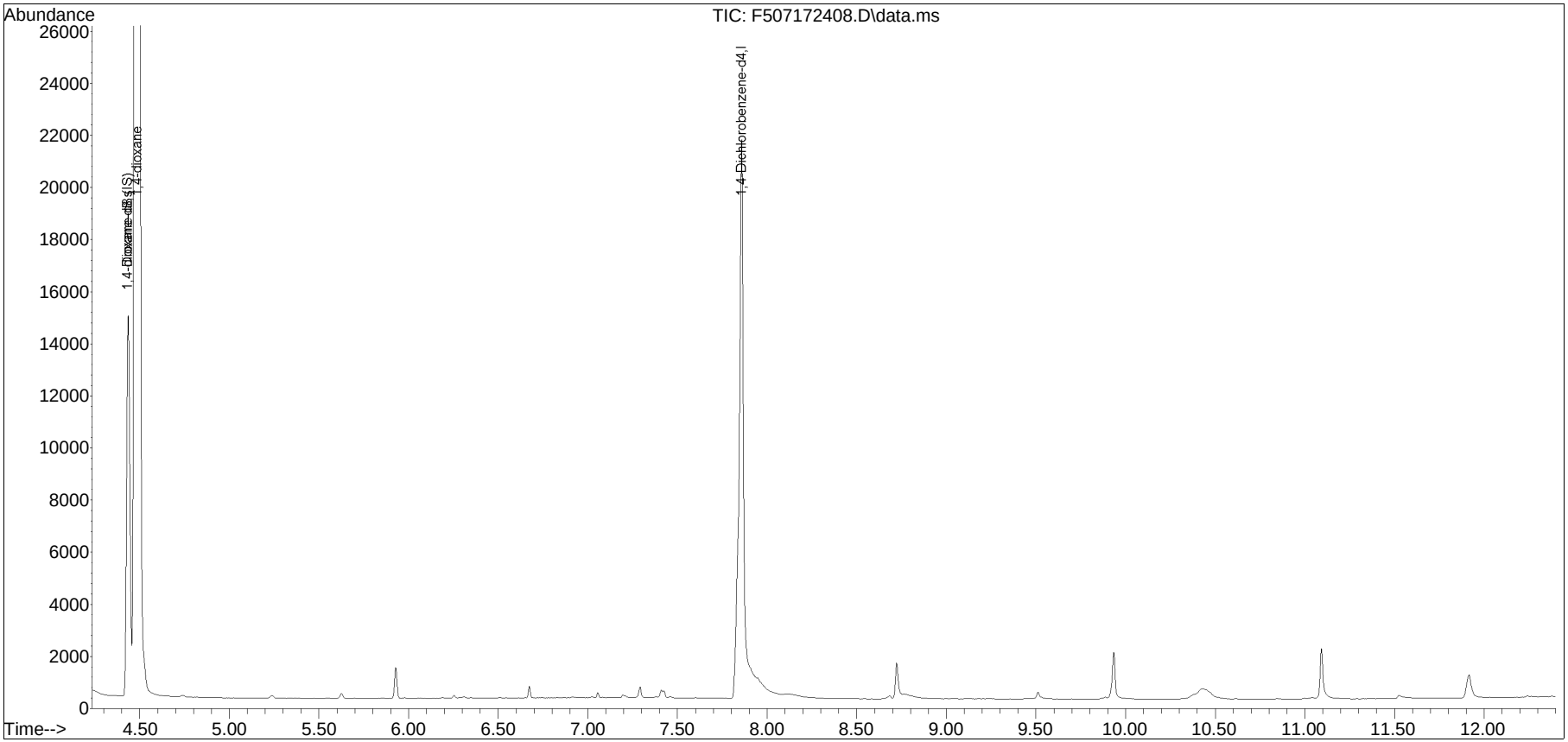
(#) = qualifier out of range (m) = manual integration (+) = signals summed

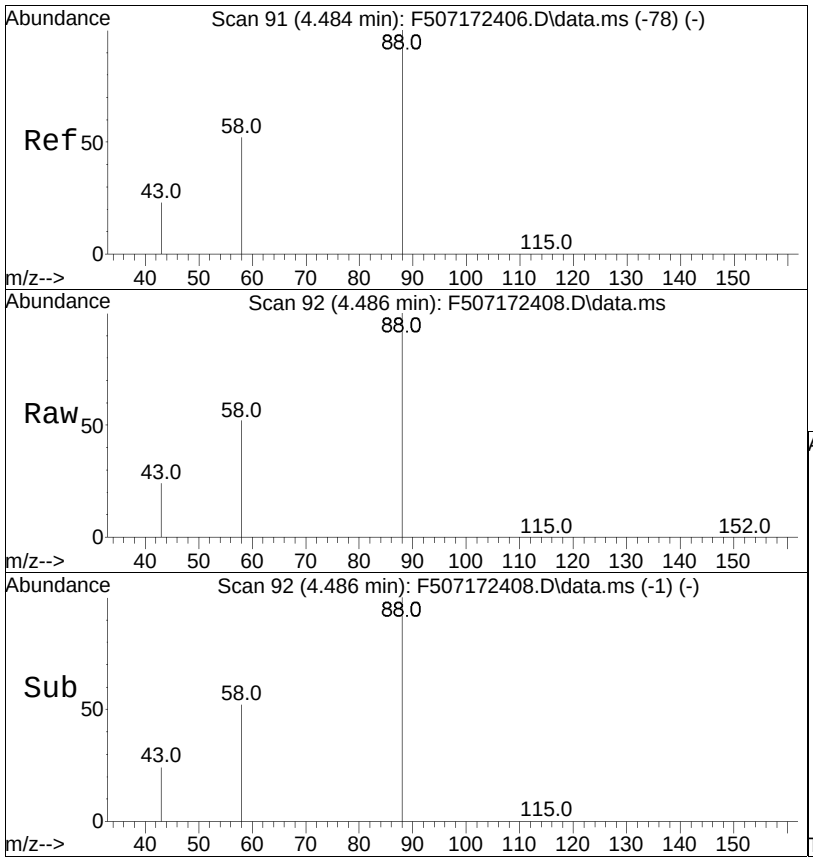
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172408.D
Acq On : 17 Jul 2024 6:11 pm
Operator : PAH5:CSP
Sample : I507172407
Misc : WG1948411,MSBT53
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 18 08:20:49 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

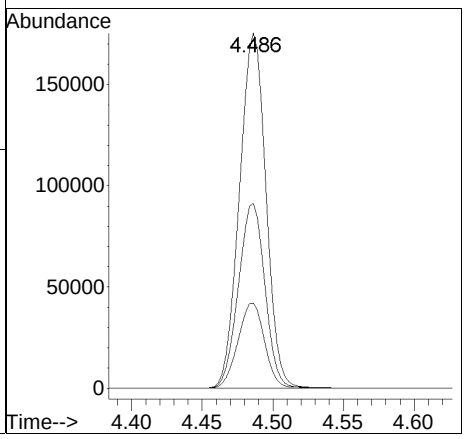




#2
1,4-dioxane
Concen: 9761.70 ng/mL
RT: 4.486 min Scan# 92
Delta R.T. 0.003 min
Lab File: F507172408.D
Acq: 17 Jul 2024 6:11 pm

Tgt Ion: 88 Resp: 228602

Ion	Ratio	Lower	Upper
88	100		
58	52.3	41.5	62.3
43	24.1	19.0	28.6

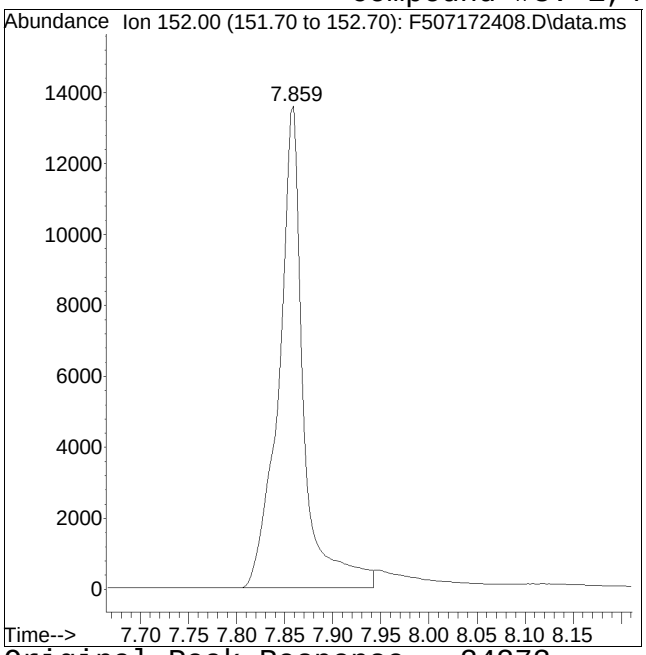


Manual Integration/Negative Proof Report

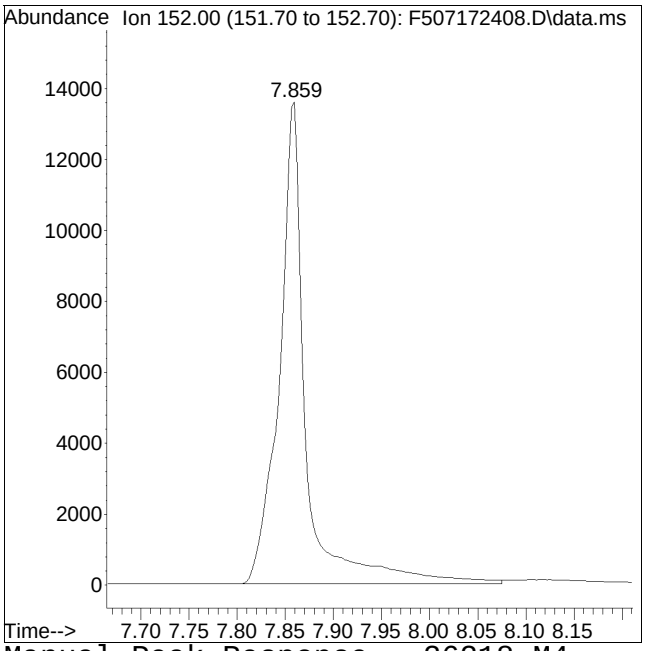
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172408.D
Date Inj'd : 7/17/2024 6:11 pm
Sample : I507172407

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 24273



Manual Peak Response = 26218 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	97	0.00
2	1,4-dioxane	1.796	1.657	7.7	88	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	-0.01
4 s	1,4-dioxane-d8	0.254	0.250	1.6	95	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.431	64	6464	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.856	152	25890M4	500.000	ng/mL	-0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.431	64	6464	490.962	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 98.19%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.478	88	21425	922.810	ng/mL	100

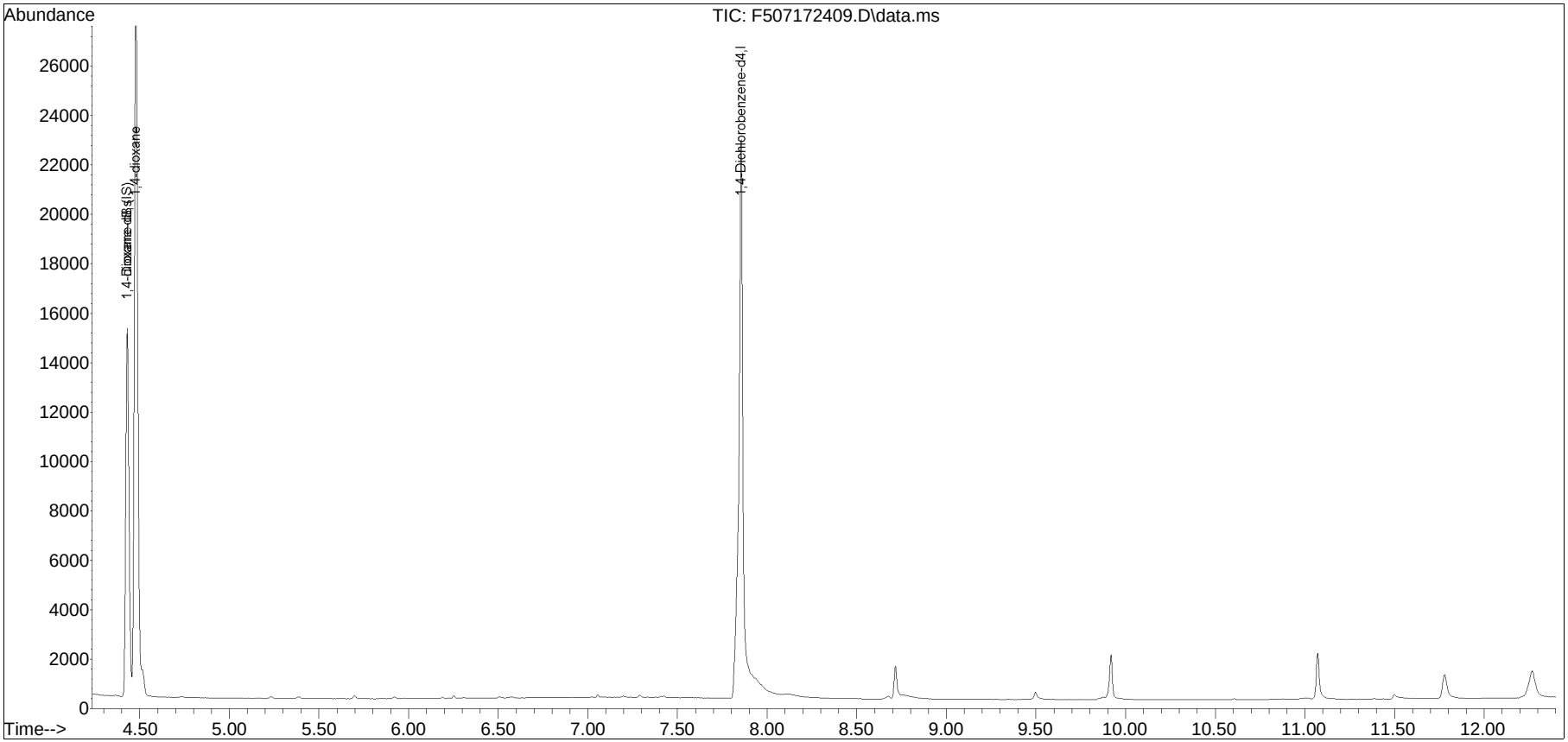
(#) = qualifier out of range (m) = manual integration (+) = signals summed

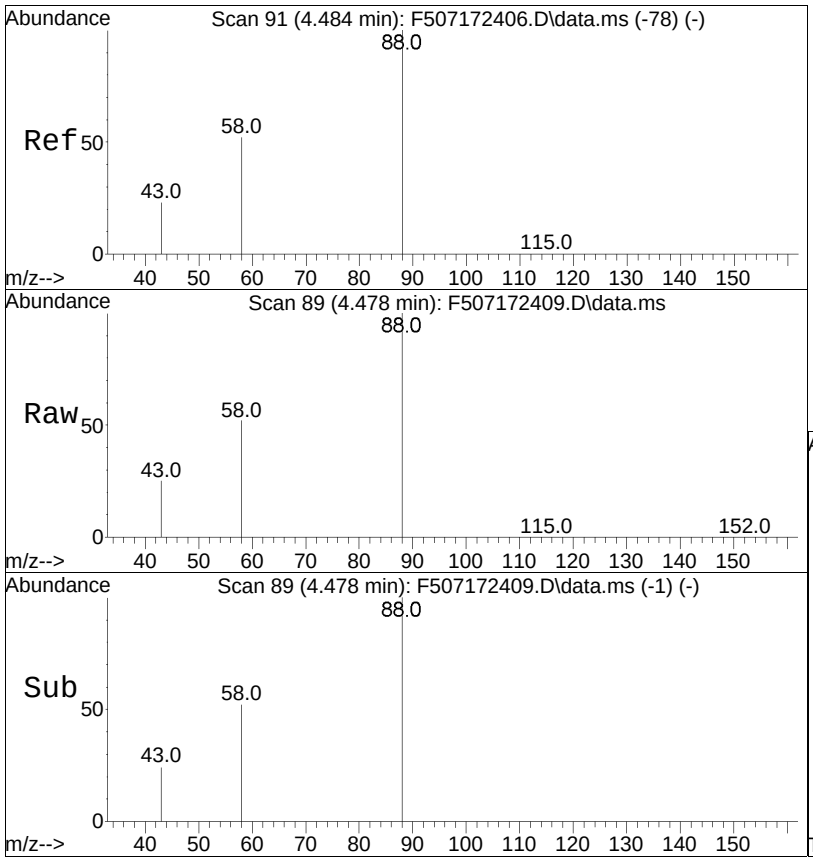
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\
Data File : F507172409.D
Acq On : 17 Jul 2024 6:33 pm
Operator : PAH5:CSP
Sample : CQ507172401
Misc : WG1948411,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 18 08:21:39 2024
Quant Method : O:\Organics\DATA\PAH5\2024\JUL\JUL17A\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Thu Jul 18 08:20:01 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

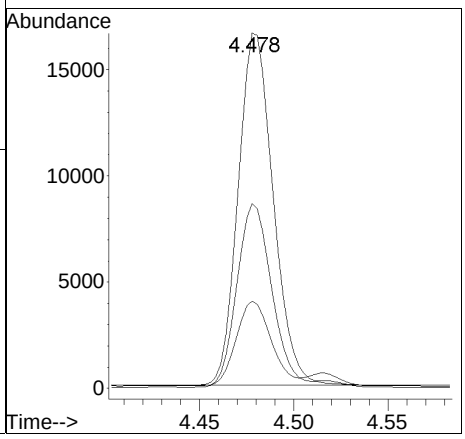




#2
1,4-dioxane
Concen: 922.81 ng/mL
RT: 4.478 min Scan# 89
Delta R.T. -0.006 min
Lab File: F507172409.D
Acq: 17 Jul 2024 6:33 pm

Tgt Ion: 88 Resp: 21425

Ion	Ratio	Lower	Upper
88	100		
58	52.2	41.5	62.3
43	24.2	19.0	28.6

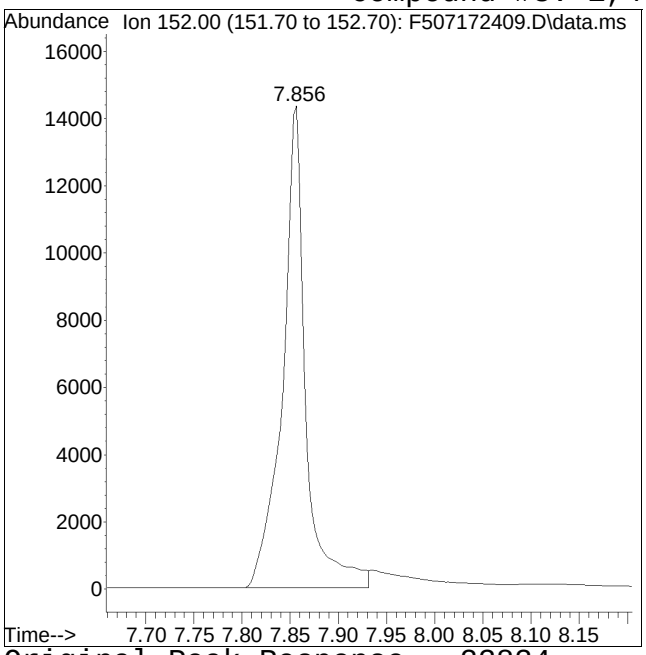


Manual Integration/Negative Proof Report

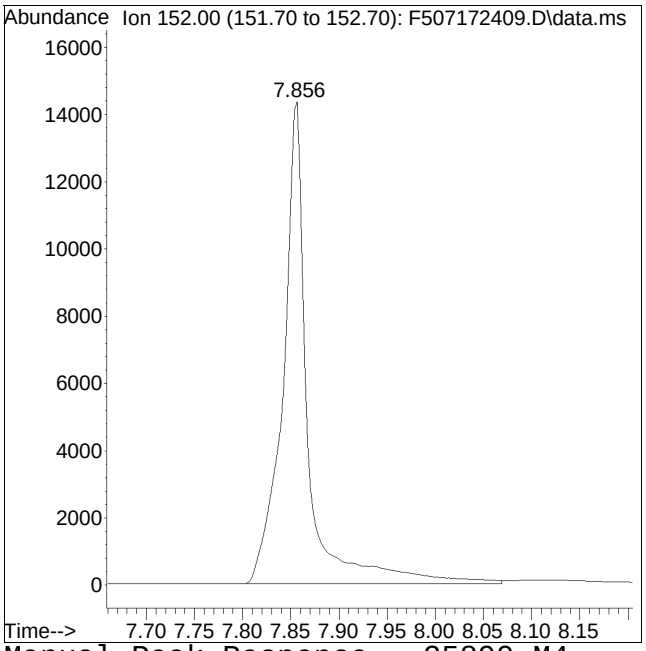
Data Path : O:\Organics\DATA\PAH5\2024\
Data File : F507172409.D
Date Inj'd : 7/17/2024 6:33 pm
Sample : CQ507172401

QMethod : 14DIOX0717PAH5.M
Operator : PAH5:CSP
Instrument : PAH 5
Quant Date : 7/18/2024 8:20 am

Compound #3: 1,4-Dichlorobenzene-d4



Original Peak Response = 23834



Manual Peak Response = 25890 M4

M4 = Poor automated baseline construction.

Response Factor Report GCMS 6

Method Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Method File : 14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024
Response Via : Initial Calibration

Calibration Files
10 =F607292402.D 50 =F607292403.D 100 =F607292404.D 500 =F607292405.D 1000=F607292406.D
5000=F607292407.D 1e04=F607292408.D

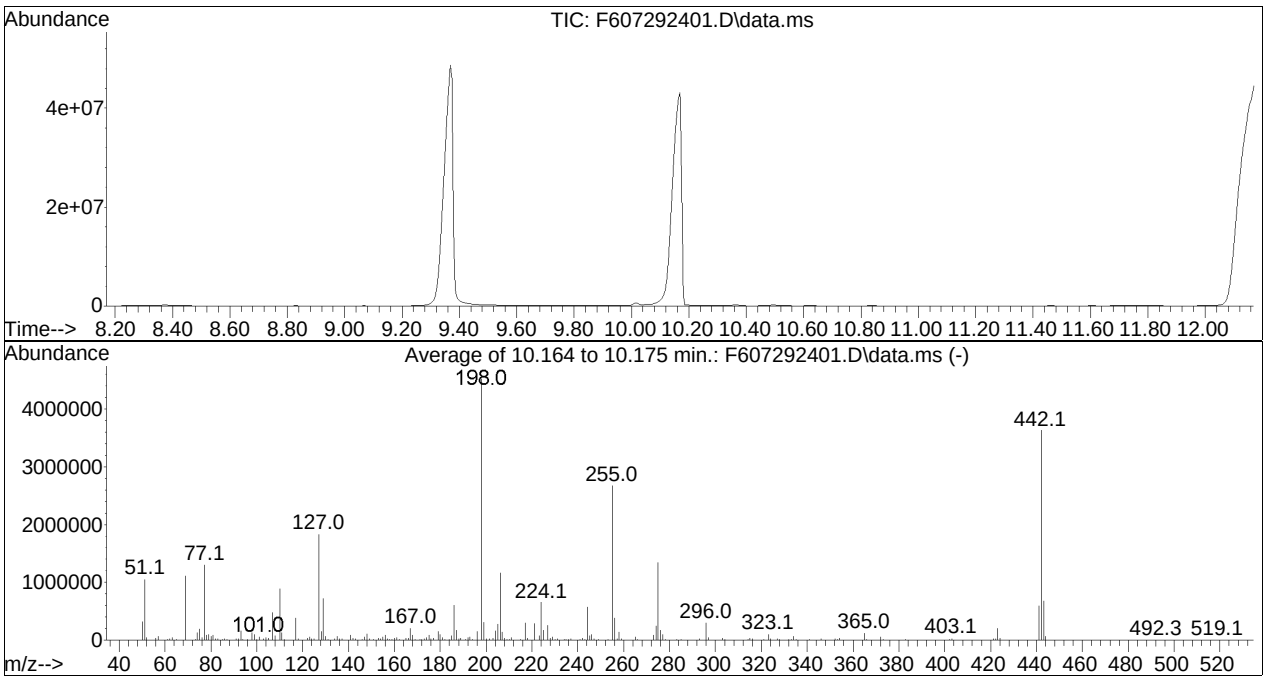
	Compound	10	50	100	500	1000	5000	1e04	Avg	%RSD
1)	1,4-Dioxane-d8 (IS)	ISTD								
2)	1,4-dioxane	1.727	1.480	1.503	1.522	1.537	1.568	1.592	1.561	5.28
3) I	1,4-Dichlorobenzene-d4	ISTD								
4) s	1,4-dioxane-d8	0.305	0.316	0.319	0.323	0.318	0.323	0.318	0.318	1.91

(#) = Out of Range

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292401.D
Acq On : 29 Jul 2024 8:40 am
Operator : GCMS6:CSP
Sample : T607292401
Misc : WG1952684,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Mon Jul 29 12:22:43 2024



Spectrum Information: Average of 10.164 to 10.175 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.2	1052280	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	5260	PASS
127	198	10	80	40.5	1834379	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	4526272	PASS
199	198	5	9	6.7	301864	PASS
275	198	10	60	29.8	1348584	PASS
365	198	1	100	2.7	122733	PASS
441	442	0.01	24	16.4	594690	PASS
442	198	50	100	80.2	3629008	PASS
443	442	15	24	18.8	681507	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	43735	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143395	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	43735	480.277	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 96.06%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.413	88	1511M2	11.064	ng/mL	

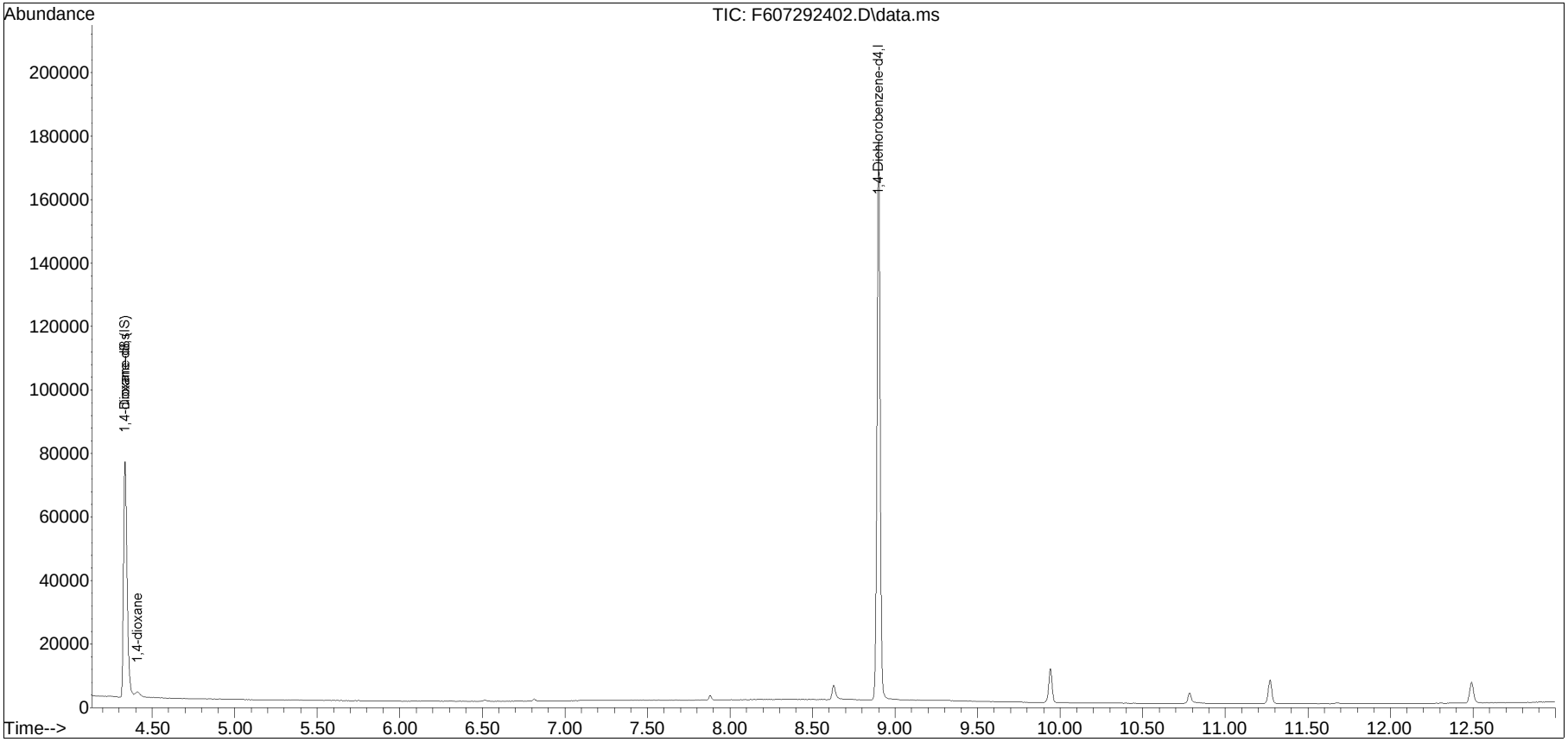
(#) = qualifier out of range (m) = manual integration (+) = signals summed

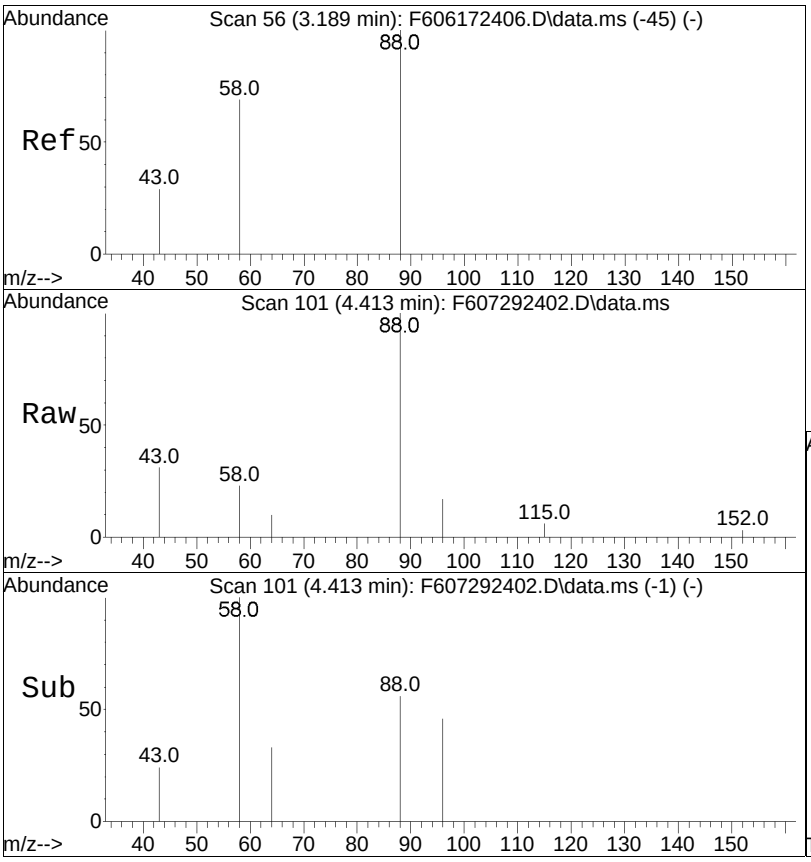
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292402.D
Acq On : 29 Jul 2024 9:17 am
Operator : GCMS6:CSP
Sample : I607292401
Misc : WG1952684,MSBU51
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 29 12:23:02 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

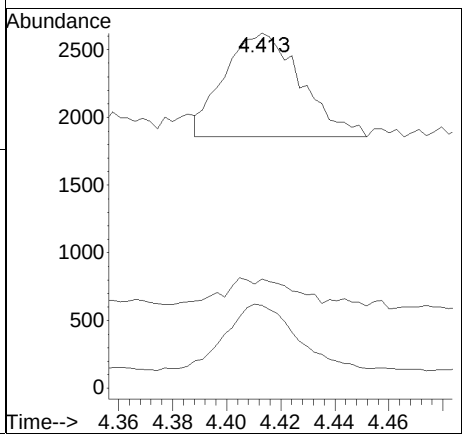




#2
1,4-dioxane
Concen: 11.06 ng/mL M2
RT: 4.413 min Scan# 101
Delta R.T. 0.016 min
Lab File: F607292402.D
Acq: 29 Jul 2024 9:17 am

Tgt Ion: 88 Resp: 1511

Ion	Ratio	Lower	Upper
88	100		
58	0.3	54.0	81.0#
43	3.8	21.4	32.2#

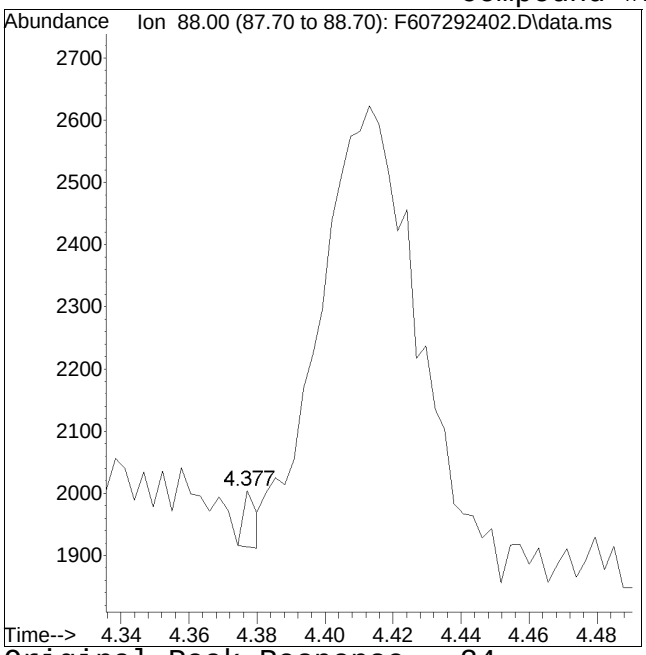


Manual Integration/Negative Proof Report

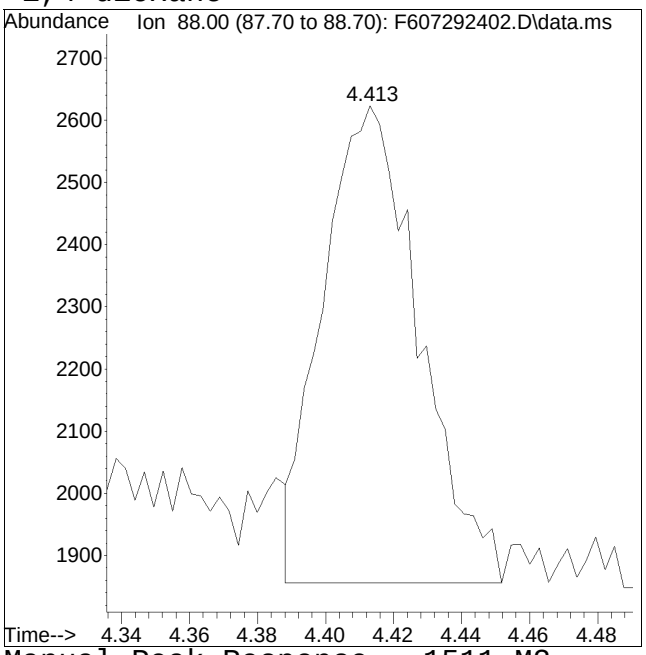
Data Path : O:\Organics\DATA\GCMS6\2024Q
Data File : F607292402.D
Date Inj'd : 7/29/2024 9:17 am
Sample : I607292401

Method : 14DIOX0729GCMS6.M
Operator : GCMS6:CSP
Instrument : GCMS 6
Quant Date : 7/29/2024 12:23 pm

Compound #2: 1,4-dioxane



Original Peak Response = 24



Manual Peak Response = 1511 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.333	64	44160	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	139546	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.333	64	44160	498.320	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.66%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.405	88	6534	47.383	ng/mL	99

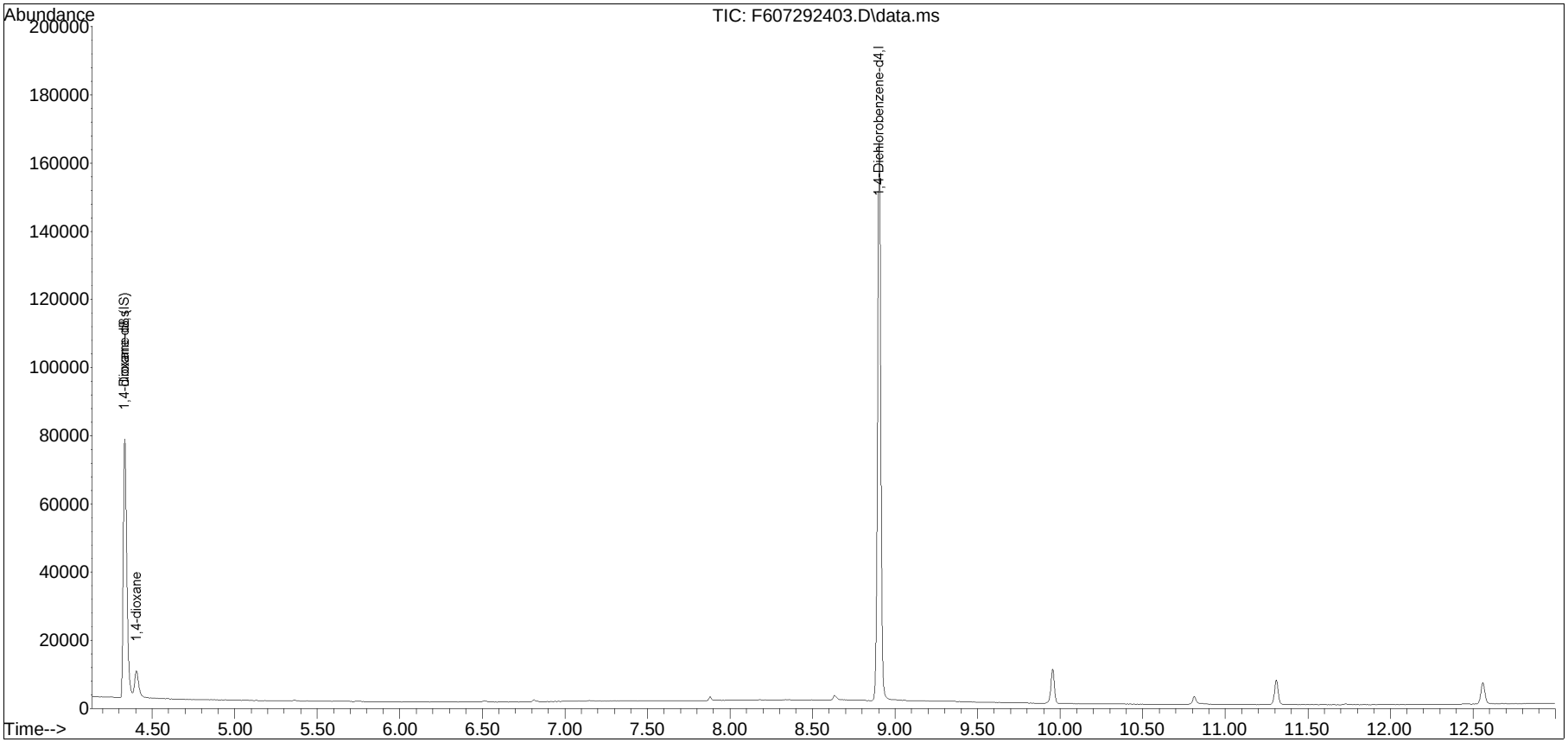
(#) = qualifier out of range (m) = manual integration (+) = signals summed

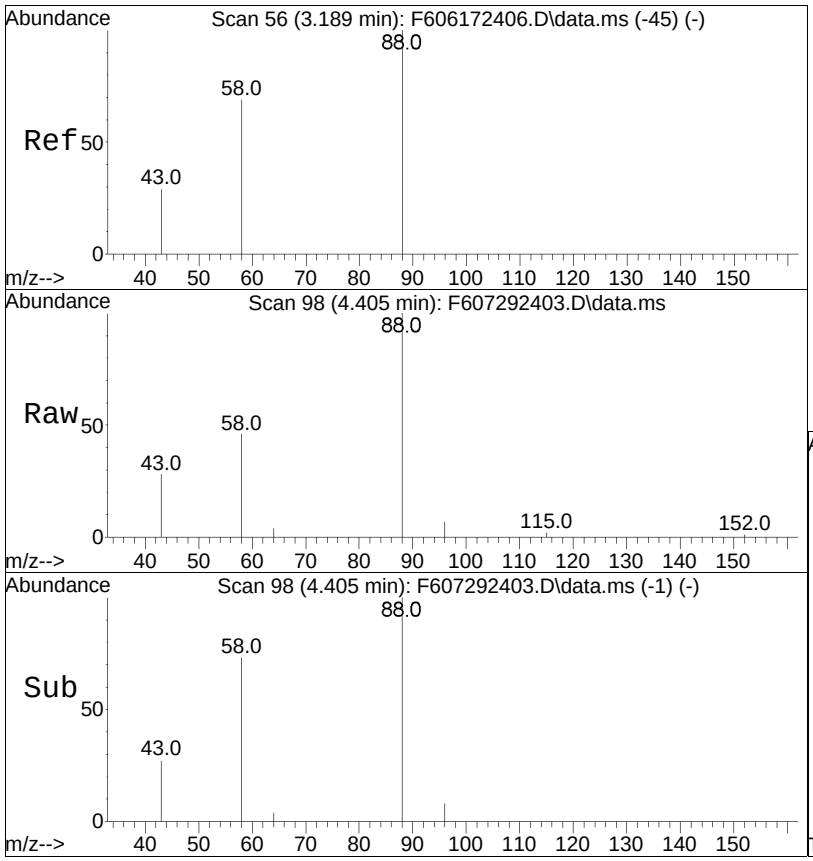
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292403.D
Acq On : 29 Jul 2024 9:40 am
Operator : GCMS6:CSP
Sample : I607292402
Misc : WG1952684,MSBU52
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 29 12:23:04 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

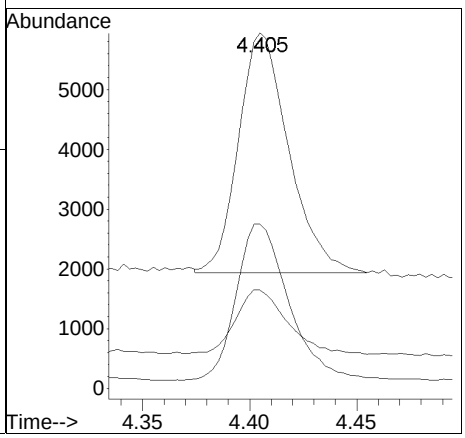




#2
1,4-dioxane
Concen: 47.38 ng/mL
RT: 4.405 min Scan# 98
Delta R.T. 0.008 min
Lab File: F607292403.D
Acq: 29 Jul 2024 9:40 am

Tgt Ion: 88 Resp: 6534

Ion	Ratio	Lower	Upper
88	100		
58	68.6	54.0	81.0
43	27.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292403.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 9:40 am	Instrument	: GCMS 6
Sample	: I607292402	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292403.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:24 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.338	64	45799	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143493	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.338	64	45799	502.599	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.52%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.408	88	13765	96.247	ng/mL	99

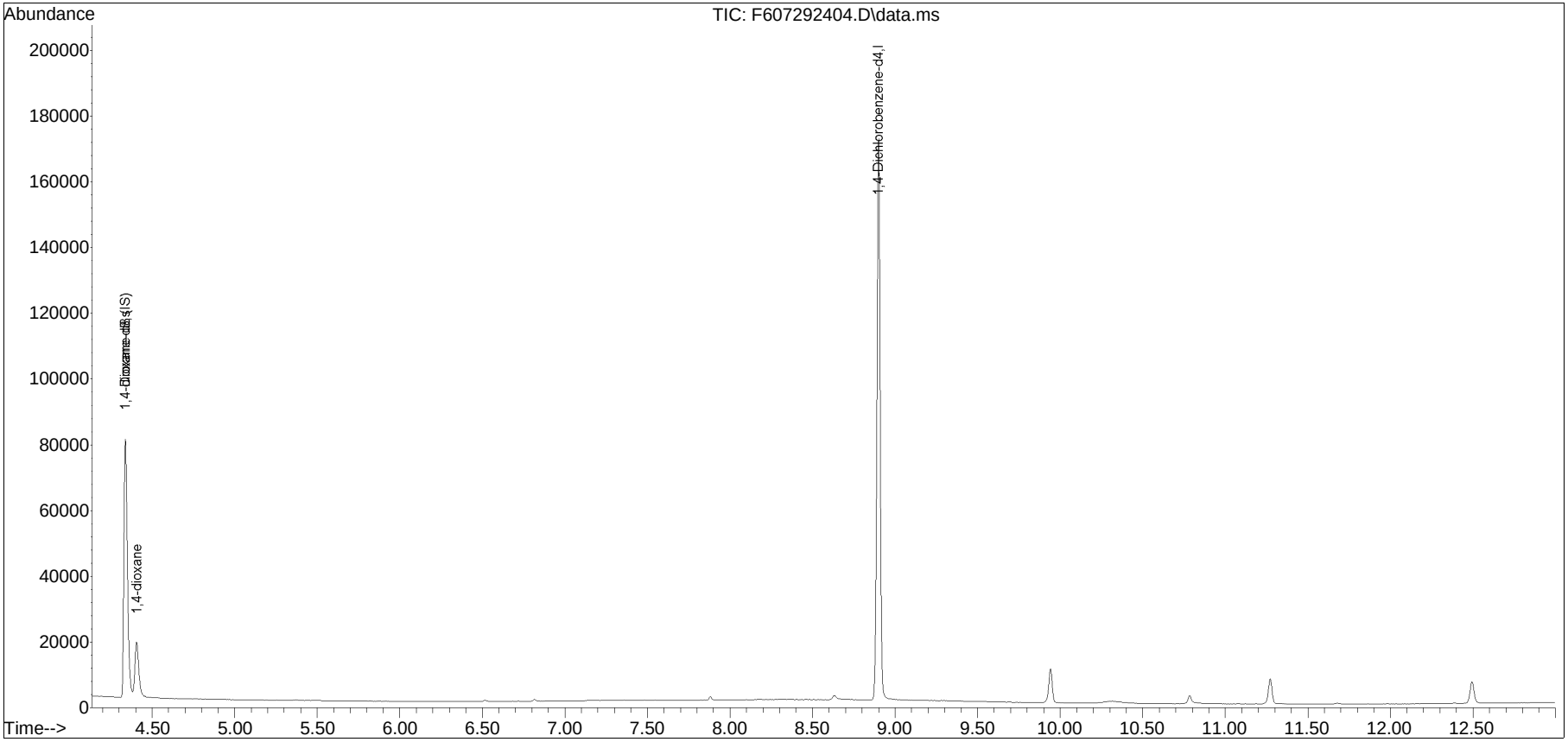
(#) = qualifier out of range (m) = manual integration (+) = signals summed

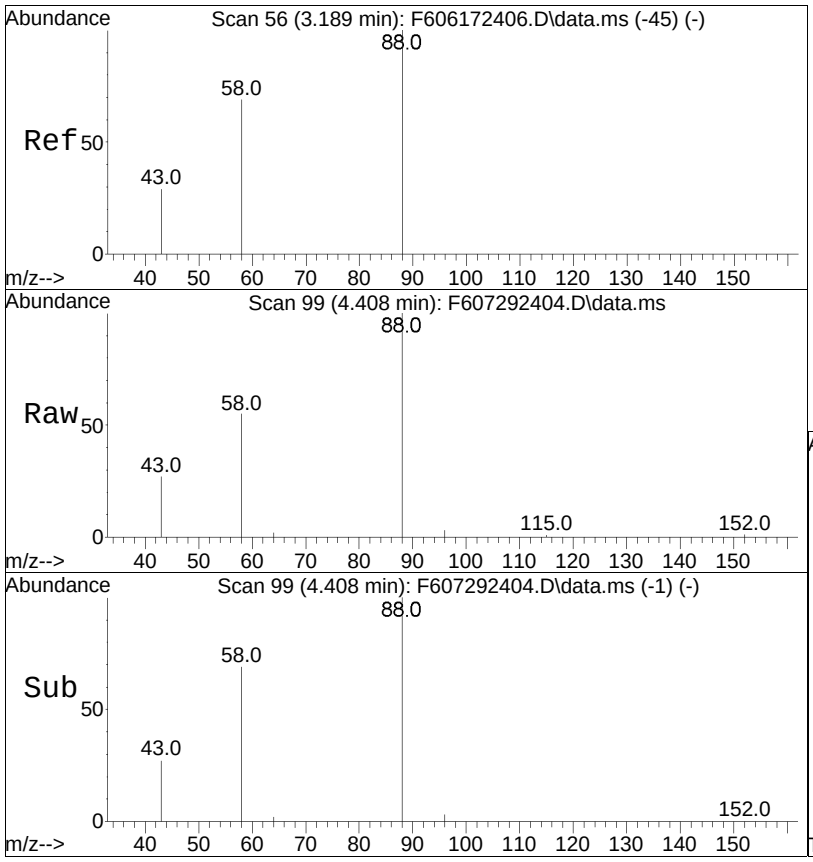
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292404.D
Acq On : 29 Jul 2024 10:01 am
Operator : GCMS6:CSP
Sample : I607292403
Misc : WG1952684,MSBU53
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 29 12:23:07 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

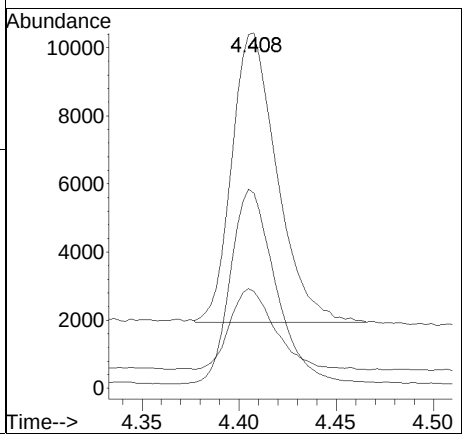




#2
1,4-dioxane
Concen: 96.25 ng/mL
RT: 4.408 min Scan# 99
Delta R.T. 0.011 min
Lab File: F607292404.D
Acq: 29 Jul 2024 10:01 am

Tgt Ion: 88 Resp: 13765

Ion	Ratio	Lower	Upper
88	100		
58	67.9	54.0	81.0
43	28.1	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292404.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:01 am	Instrument	: GCMS 6
Sample	: I607292403	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292404.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:26 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45541	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.898	152	141159	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45541	508.031	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.61%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	69306	487.346	ng/mL	99

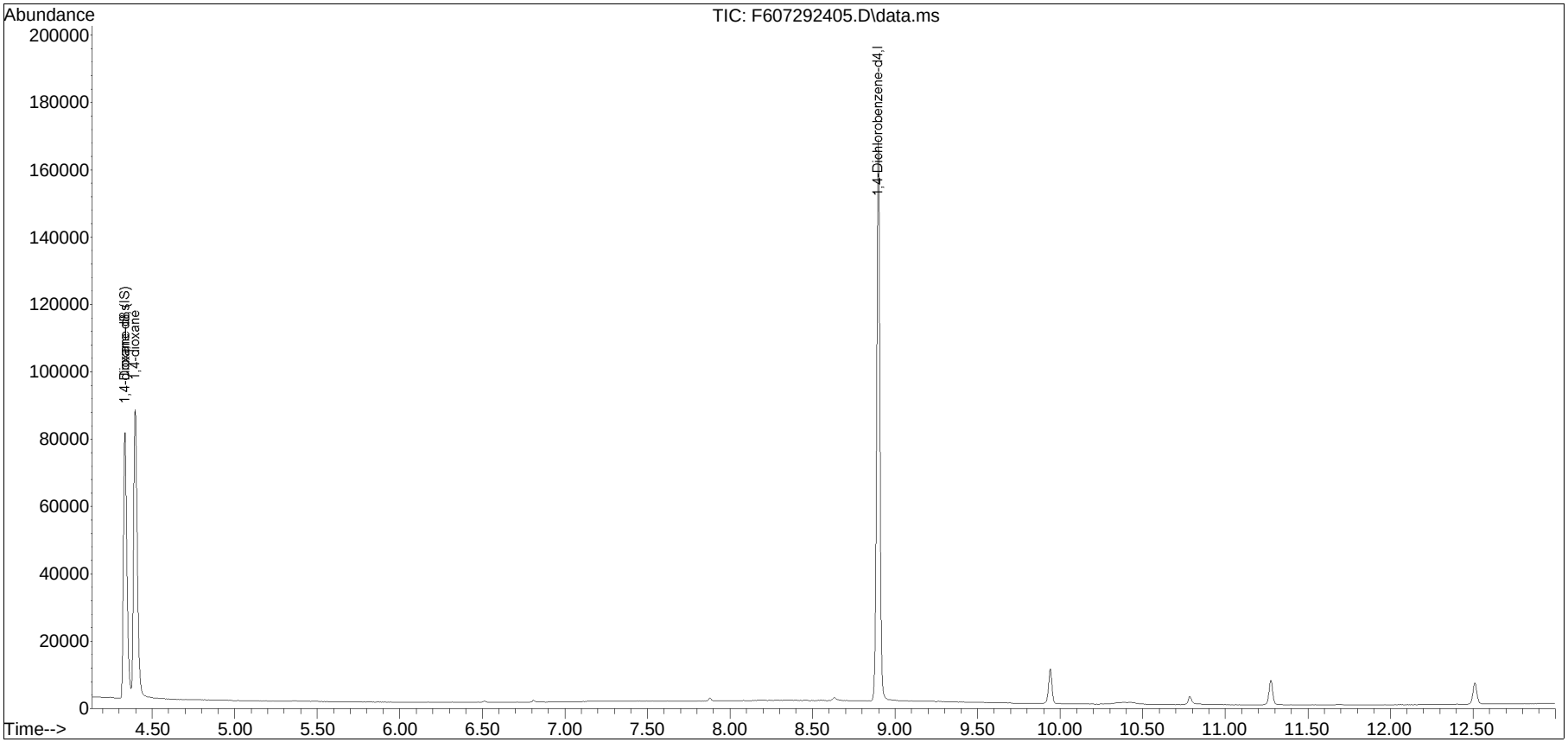
(#) = qualifier out of range (m) = manual integration (+) = signals summed

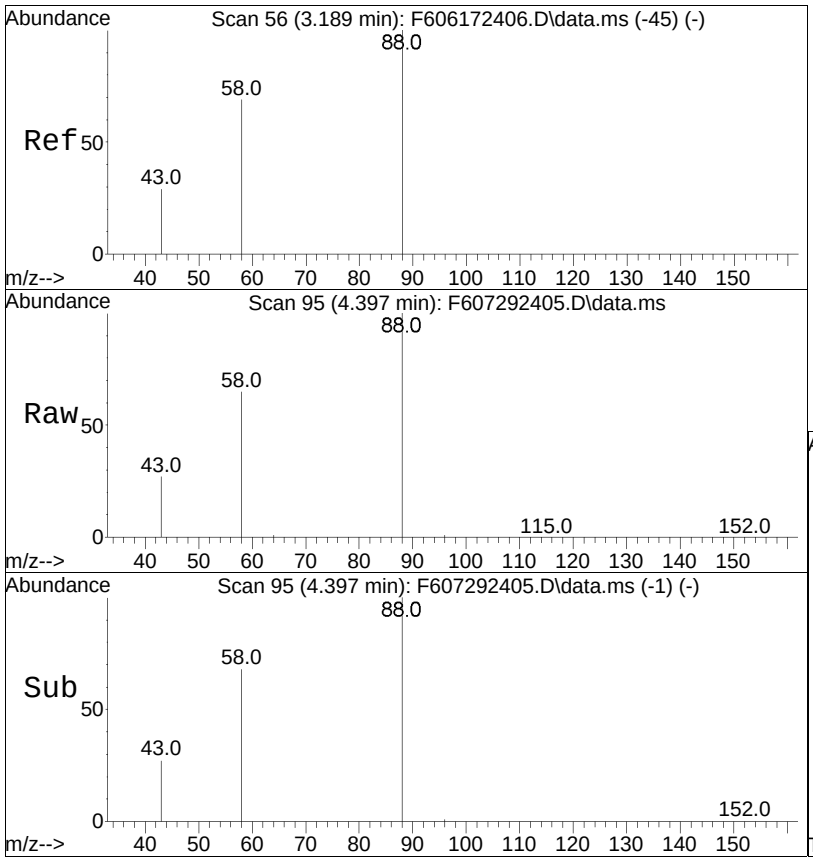
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292405.D
Acq On : 29 Jul 2024 10:23 am
Operator : GCMS6:CSP
Sample : I607292404
Misc : WG1952684,MSBU54
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 29 12:23:10 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

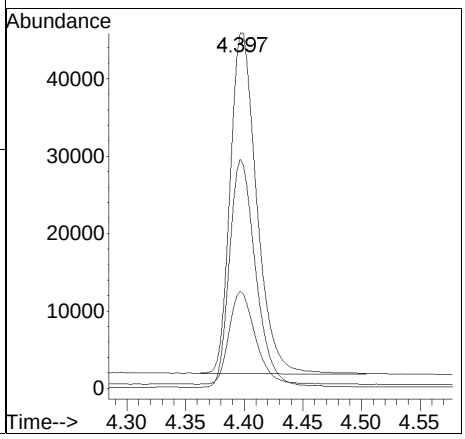




#2
1,4-dioxane
Concen: 487.35 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. -0.000 min
Lab File: F607292405.D
Acq: 29 Jul 2024 10:23 am

Tgt Ion: 88 Resp: 69306

Ion	Ratio	Lower	Upper
88	100		
58	66.5	54.0	81.0
43	26.9	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292405.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:23 am	Instrument	: GCMS 6
Sample	: I607292404	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292405.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:28 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.336	64	45692	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	143704	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.336	64	45692	500.689	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.14%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.397	88	140492	984.646	ng/mL	100

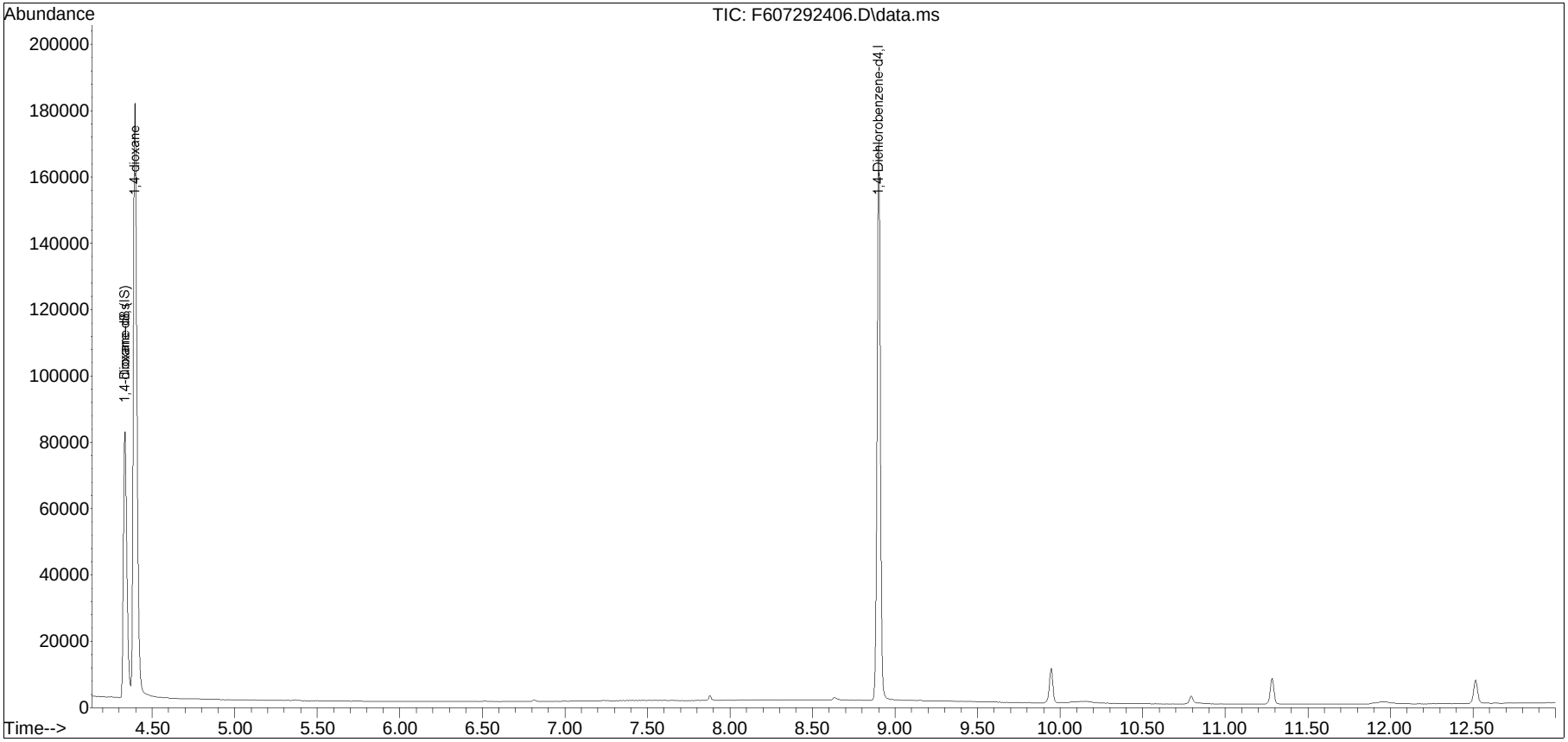
(#) = qualifier out of range (m) = manual integration (+) = signals summed

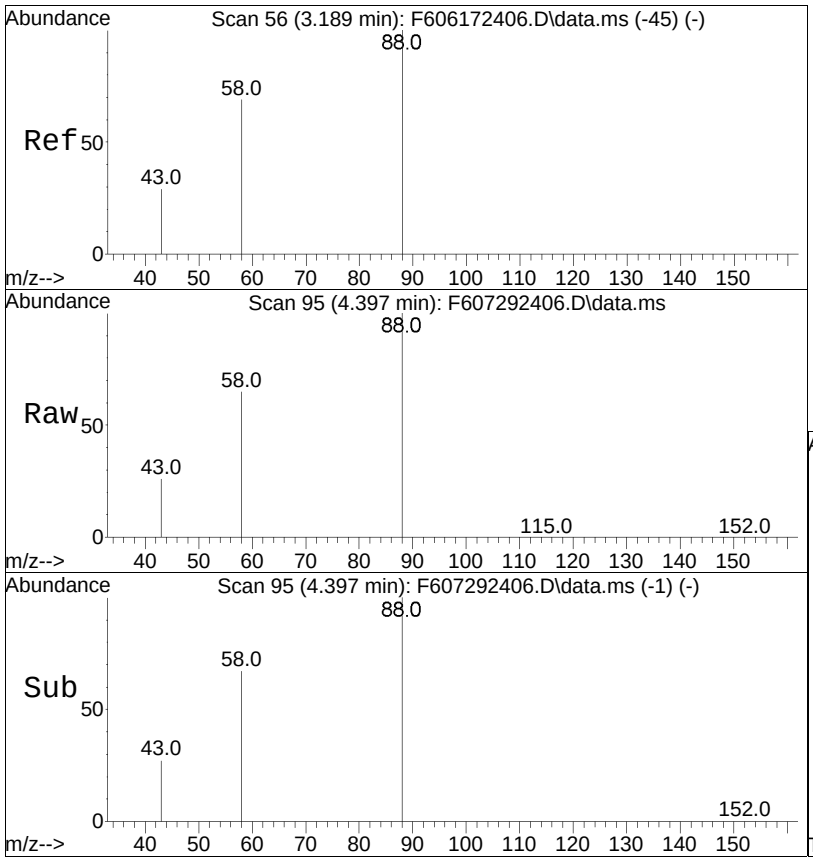
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292406.D
Acq On : 29 Jul 2024 10:45 am
Operator : GCMS6:CSP
Sample : I607292405
Misc : WG1952684,MSBU55
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 29 12:23:13 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

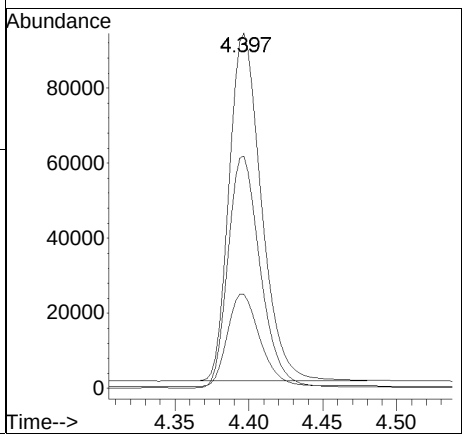




#2
1,4-dioxane
Concen: 984.65 ng/mL
RT: 4.397 min Scan# 95
Delta R.T. 0.000 min
Lab File: F607292406.D
Acq: 29 Jul 2024 10:45 am

Tgt Ion: 88 Resp: 140492

Ion	Ratio	Lower	Upper
88	100		
58	67.5	54.0	81.0
43	26.8	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292406.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 10:45 am	Instrument	: GCMS 6
Sample	: I607292405	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

F607292406.D 14DIOX0729GCMS6.M Mon Jul 29 12:28:30 2024 RePage 1er

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44310	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	137046	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44310	509.134	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 101.83%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.385	88	694776	5021.250	ng/mL	99

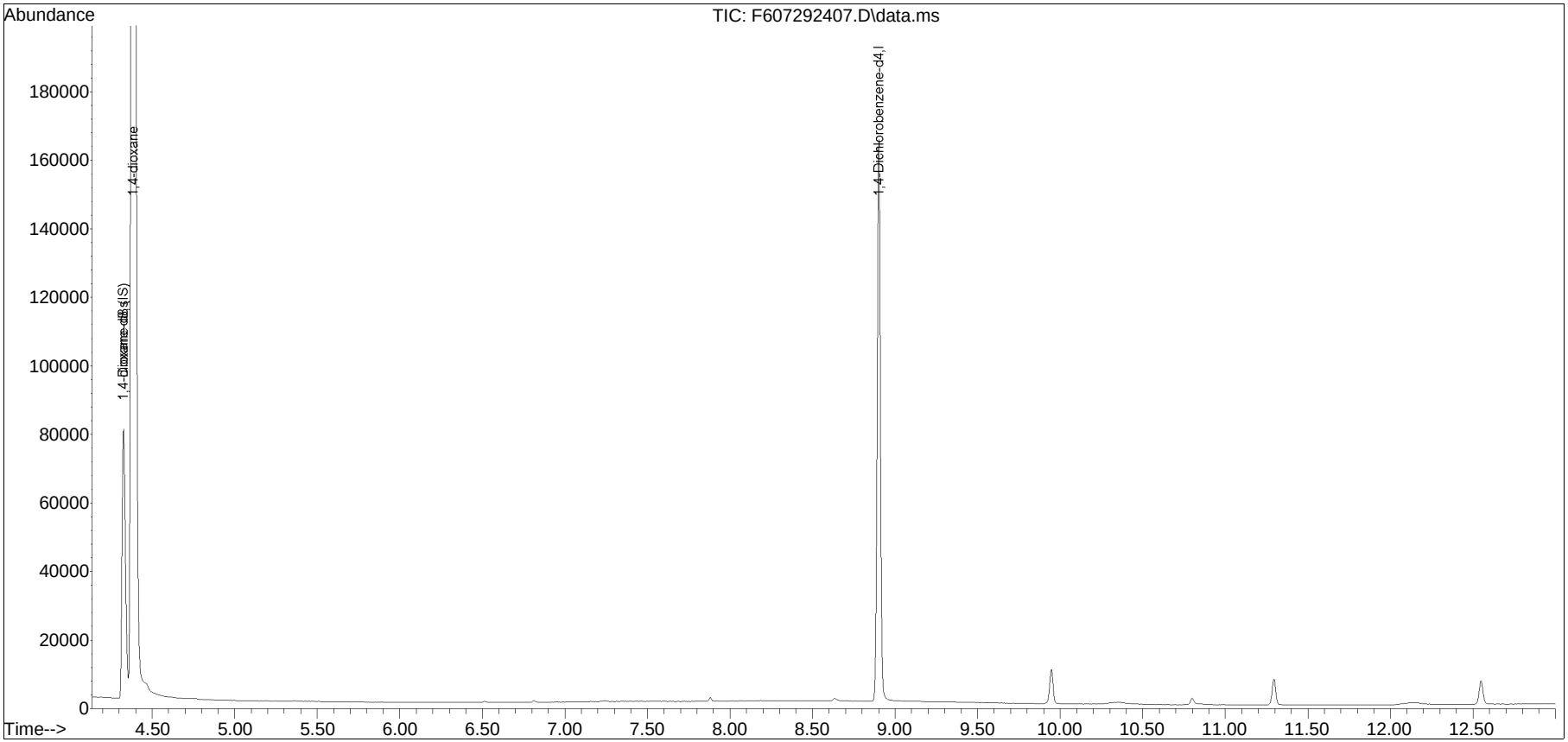
(#) = qualifier out of range (m) = manual integration (+) = signals summed

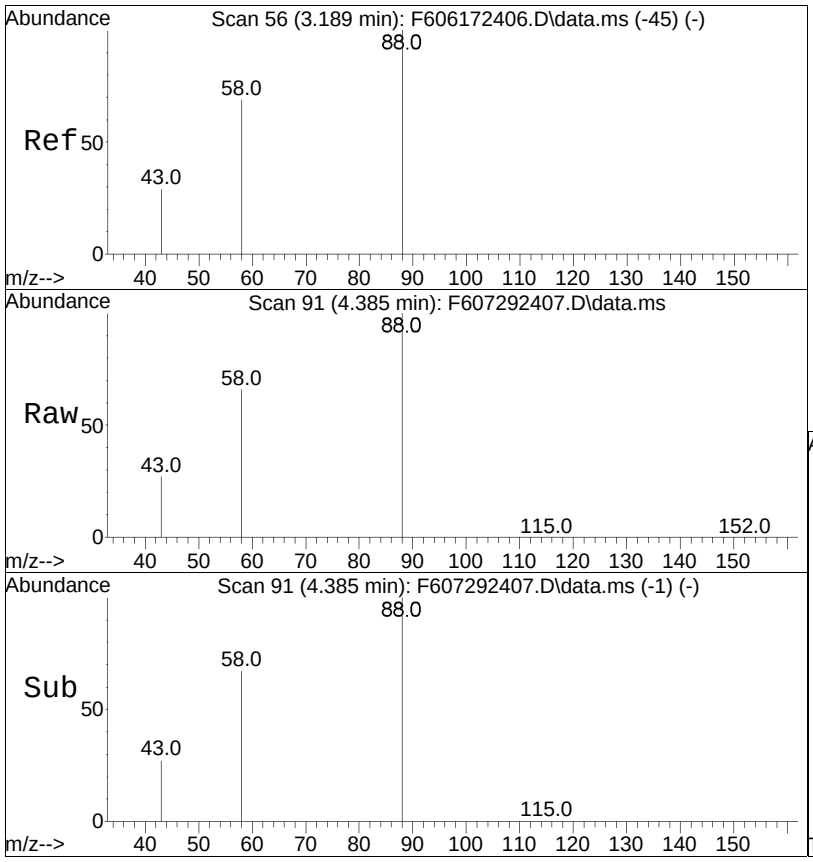
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292407.D
Acq On : 29 Jul 2024 11:07 am
Operator : GCMS6:CSP
Sample : I607292406
Misc : WG1952684,MSBU56
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 29 12:23:16 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

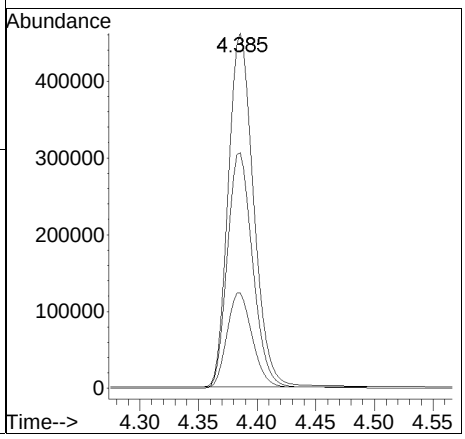




#2
1,4-dioxane
Concen: 5021.25 ng/mL
RT: 4.385 min Scan# 91
Delta R.T. -0.011 min
Lab File: F607292407.D
Acq: 29 Jul 2024 11:07 am

Tgt Ion: 88 Resp: 694776

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292407.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:07 am	Instrument	: GCMS 6
Sample	: I607292406	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.330	64	43979	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.900	152	138244	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.330	64	43979	500.951	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 100.19%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	1400674	10199.069	ng/mL	100

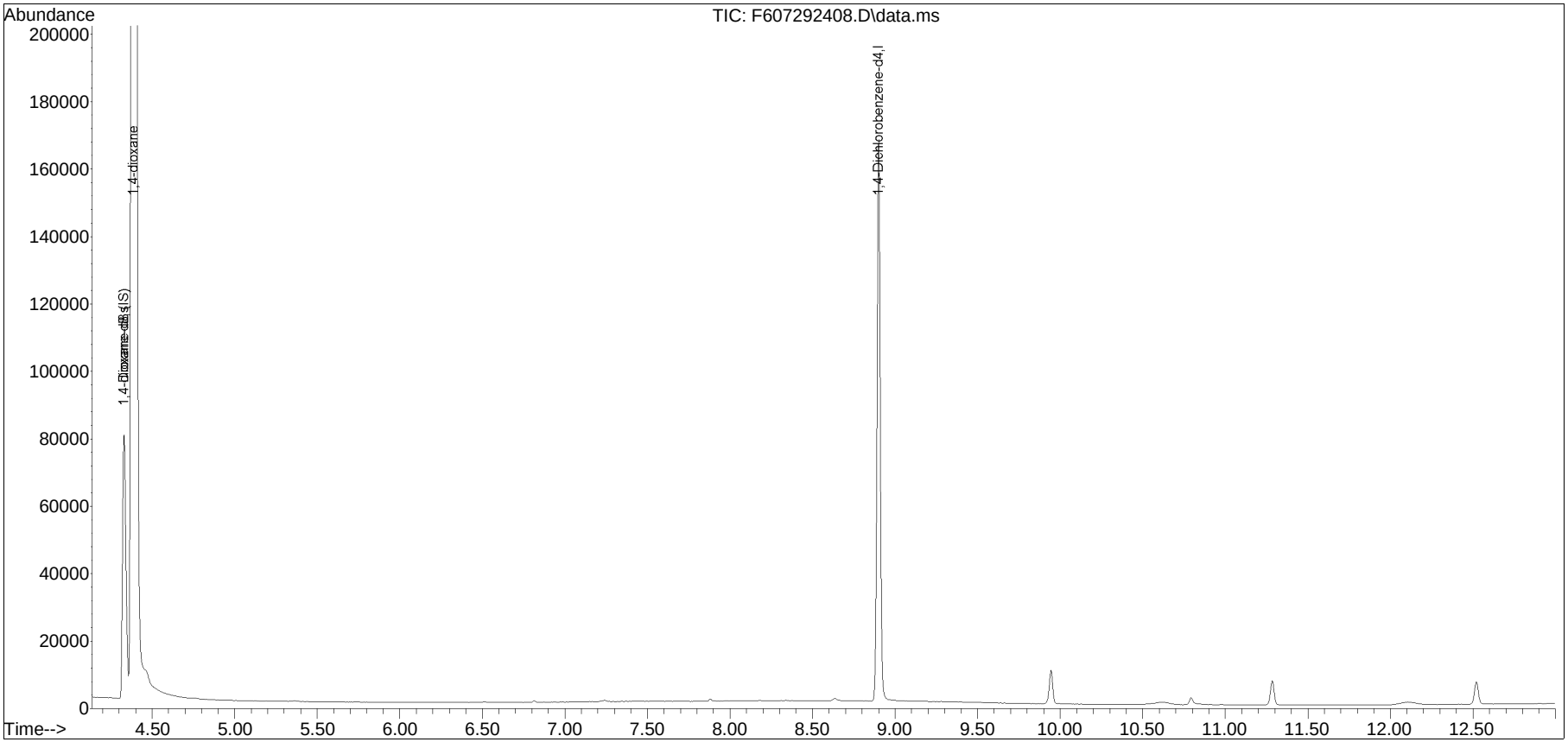
(#) = qualifier out of range (m) = manual integration (+) = signals summed

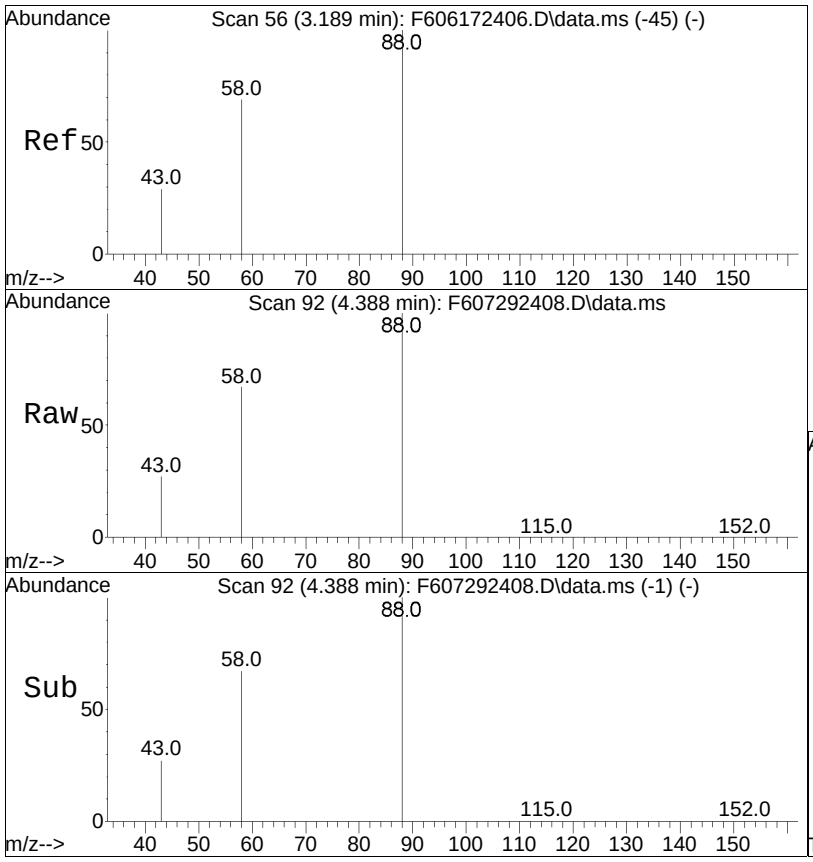
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292408.D
Acq On : 29 Jul 2024 11:29 am
Operator : GCMS6:CSP
Sample : I607292407
Misc : WG1952684,MSBU50
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 29 12:23:19 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

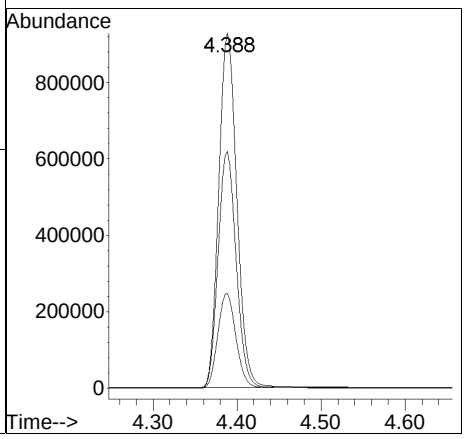




#2
1,4-dioxane
Concen: 10199.07 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292408.D
Acq: 29 Jul 2024 11:29 am

Tgt Ion: 88 Resp: 1400674

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.0	81.0
43	26.7	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292408.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:29 am	Instrument	: GCMS 6
Sample	: I607292407	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	98	0.00
2	1,4-dioxane	1.561	1.461	6.4	93	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
4 s	1,4-dioxane-d8	0.318	0.316	0.6	102	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.327	64	44594	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.903	152	141301	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.327	64	44594	496.967	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 99.39%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.388	88	130346	936.031	ng/mL	99

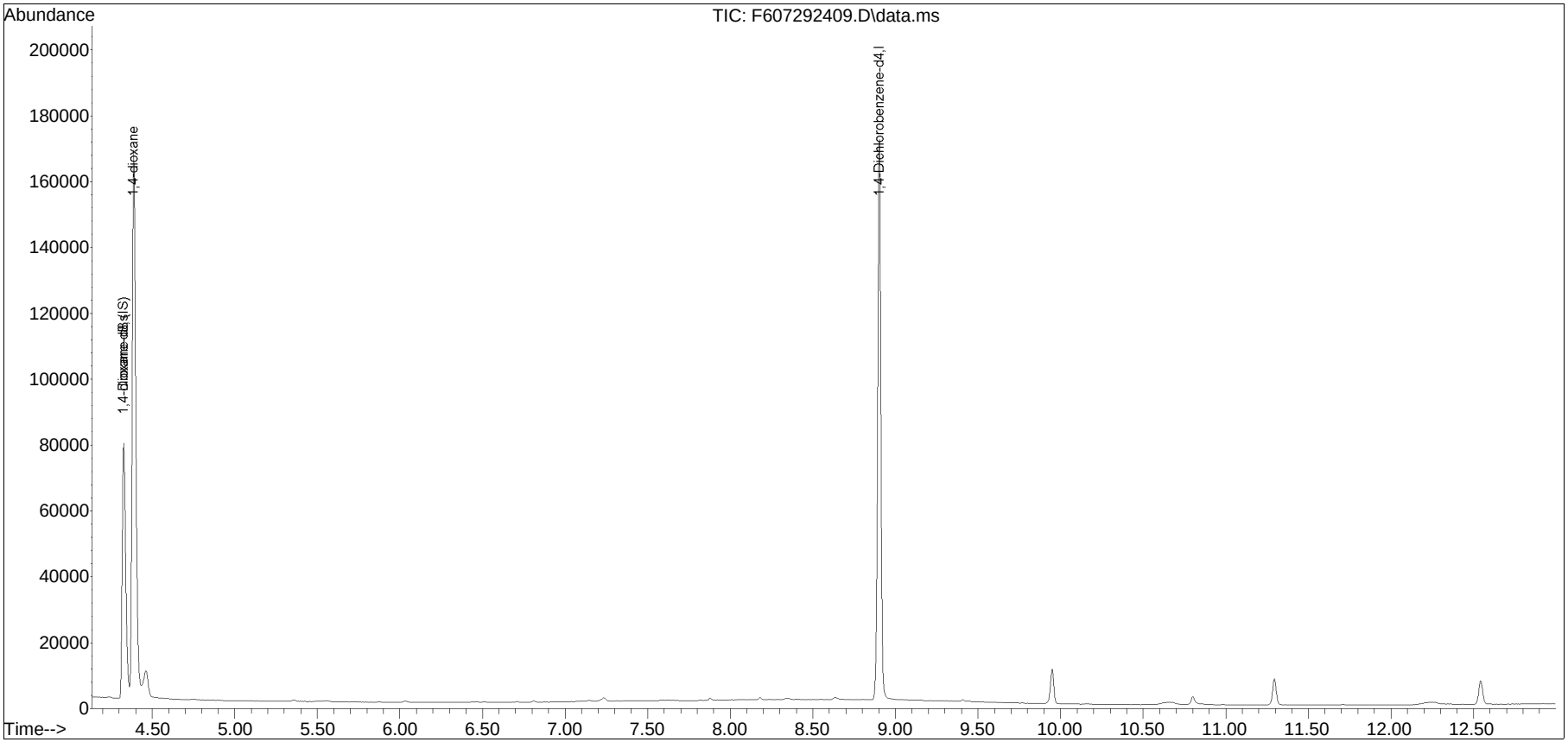
(#) = qualifier out of range (m) = manual integration (+) = signals summed

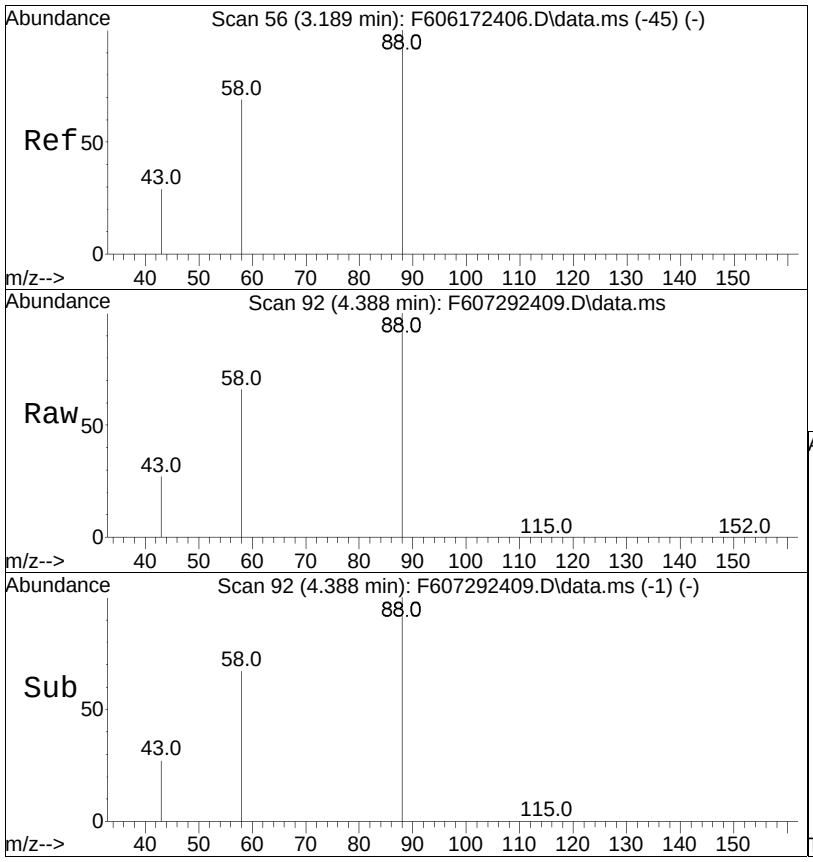
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\
Data File : F607292409.D
Acq On : 29 Jul 2024 11:50 am
Operator : GCMS6:CSP
Sample : CQ607292401
Misc : WG1952684,MSBU02
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 29 12:23:56 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\JUL\JUL29\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Mon Jul 29 12:22:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

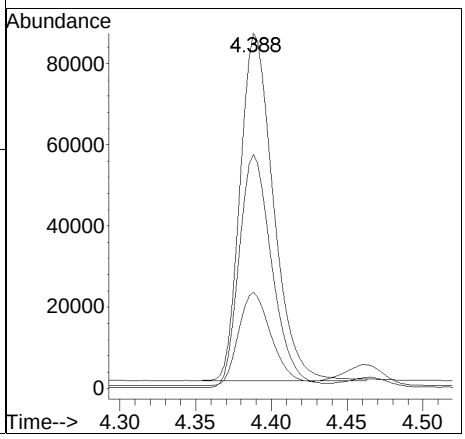




#2
1,4-dioxane
Concen: 936.03 ng/mL
RT: 4.388 min Scan# 92
Delta R.T. -0.008 min
Lab File: F607292409.D
Acq: 29 Jul 2024 11:50 am

Tgt Ion: 88 Resp: 130346

Ion	Ratio	Lower	Upper
88	100		
58	66.9	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F607292409.D	Operator	: GCMS6:CSP
Date Inj'd	: 7/29/2024 11:50 am	Instrument	: GCMS 6
Sample	: CQ607292401	Quant Date	: 7/29/2024 12:23 pm

There are no manual integrations or false positives in this file.

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PAH5		**Calibration Date**	: 08/27/24 08:04	
Lab File ID	: F508272402		**Init. Calib. Date(s)**	: 07/17/24	07/17/24
Sample No	: WG1964298-2		**Init. Calib. Times**	: 15:53	18:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	104	0
1,4-dioxane	1.796	1.73	-	3.7	20	98	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	106	0
1,4-dioxane-d8	0.254	0.245	-	3.5	20	101	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: GCMS6		**Calibration Date**	: 08/28/24 07:57	
Lab File ID	: F608282402		**Init. Calib. Date(s)**	: 07/29/24	07/29/24
Sample No	: WG1964894-2		**Init. Calib. Times**	: 09:17	11:29
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	105	0
1,4-dioxane	1.561	1.564	-	-0.2	20	107	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	102	0
1,4-dioxane-d8	0.318	0.328	-	-3.1	20	110	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PAH5		**Calibration Date**	: 08/28/24 08:02	
Lab File ID	: F508282402		**Init. Calib. Date(s)**	: 07/17/24	07/17/24
Sample No	: WG1965023-2		**Init. Calib. Times**	: 15:53	18:11
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dioxane-d8 (IS)	1	1	-	0	20	108	0
1,4-dioxane	1.796	1.73	-	3.7	20	102	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	112	0
1,4-dioxane-d8	0.254	0.243	-	4.3	20	105	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272402.D
Acq On : 27 Aug 2024 8:04 am
Operator : PAH5:GRS
Sample : WG1964298-2
Misc : WG1964298,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 08:59:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	104	0.00
2	1,4-dioxane	1.796	1.730	3.7	98	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
4 s	1,4-dioxane-d8	0.254	0.245	3.5	101	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272402.D
Acq On : 27 Aug 2024 8:04 am
Operator : PAH5:GRS
Sample : WG1964298-2
Misc : WG1964298,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 08:59:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.222	64	6912	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.758	152	28175	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.222	64	6912	482.412	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 96.48%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.269	88	23919	963.457	ng/mL	99

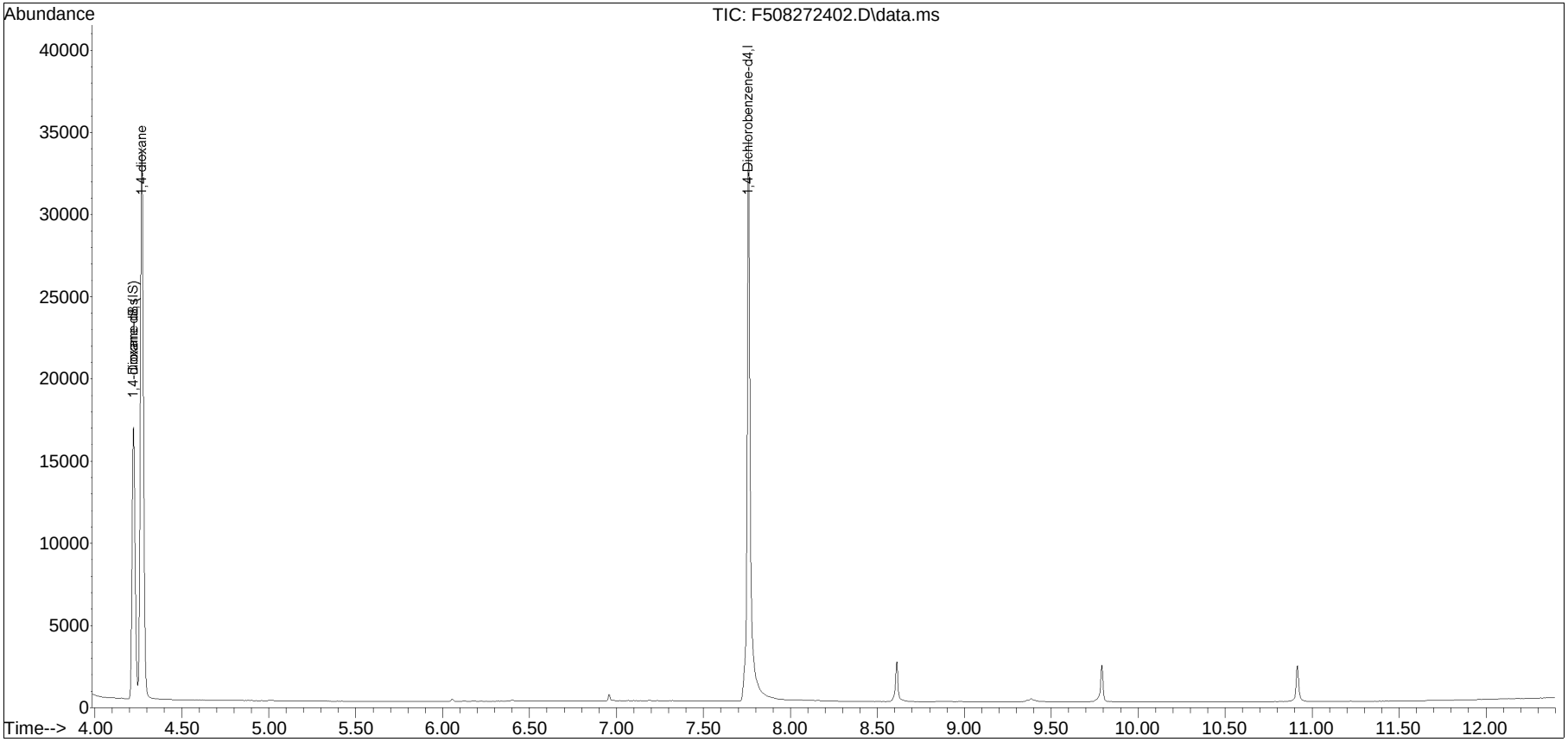
(#) = qualifier out of range (m) = manual integration (+) = signals summed

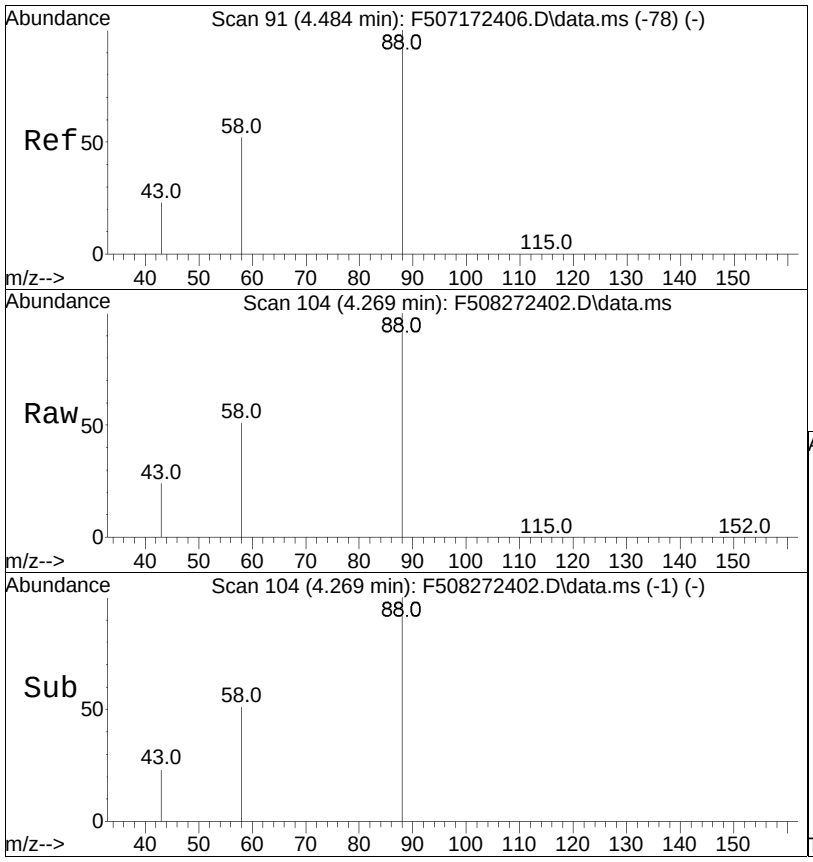
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272402.D
Acq On : 27 Aug 2024 8:04 am
Operator : PAH5:GRS
Sample : WG1964298-2
Misc : WG1964298,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 27 08:59:32 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

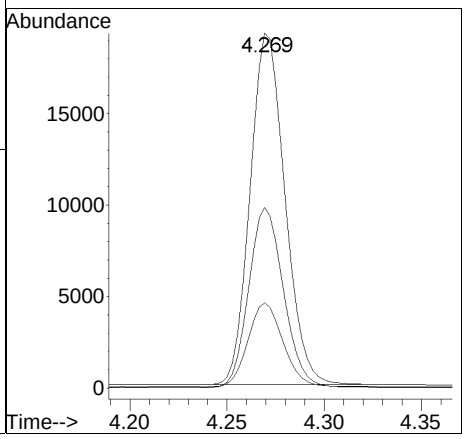




#2
1,4-dioxane
Concen: 963.46 ng/mL
RT: 4.269 min Scan# 104
Delta R.T. 0.000 min
Lab File: F508272402.D
Acq: 27 Aug 2024 8:04 am

Tgt Ion: 88 Resp: 23919

Ion	Ratio	Lower	Upper
88	100		
58	51.2	41.5	62.3
43	23.9	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272402.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 8:04 am	Instrument	: PAH 5
Sample	: WG1964298-2	Quant Date	: 8/27/2024 8:59 am

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	108	0.00
2	1,4-dioxane	1.796	1.730	3.7	102	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00
4 s	1,4-dioxane-d8	0.254	0.243	4.3	105	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.211	64	7186	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.761	152	29548	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.211	64	7186	478.231	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 95.65%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.261	88	24867	963.450	ng/mL	99

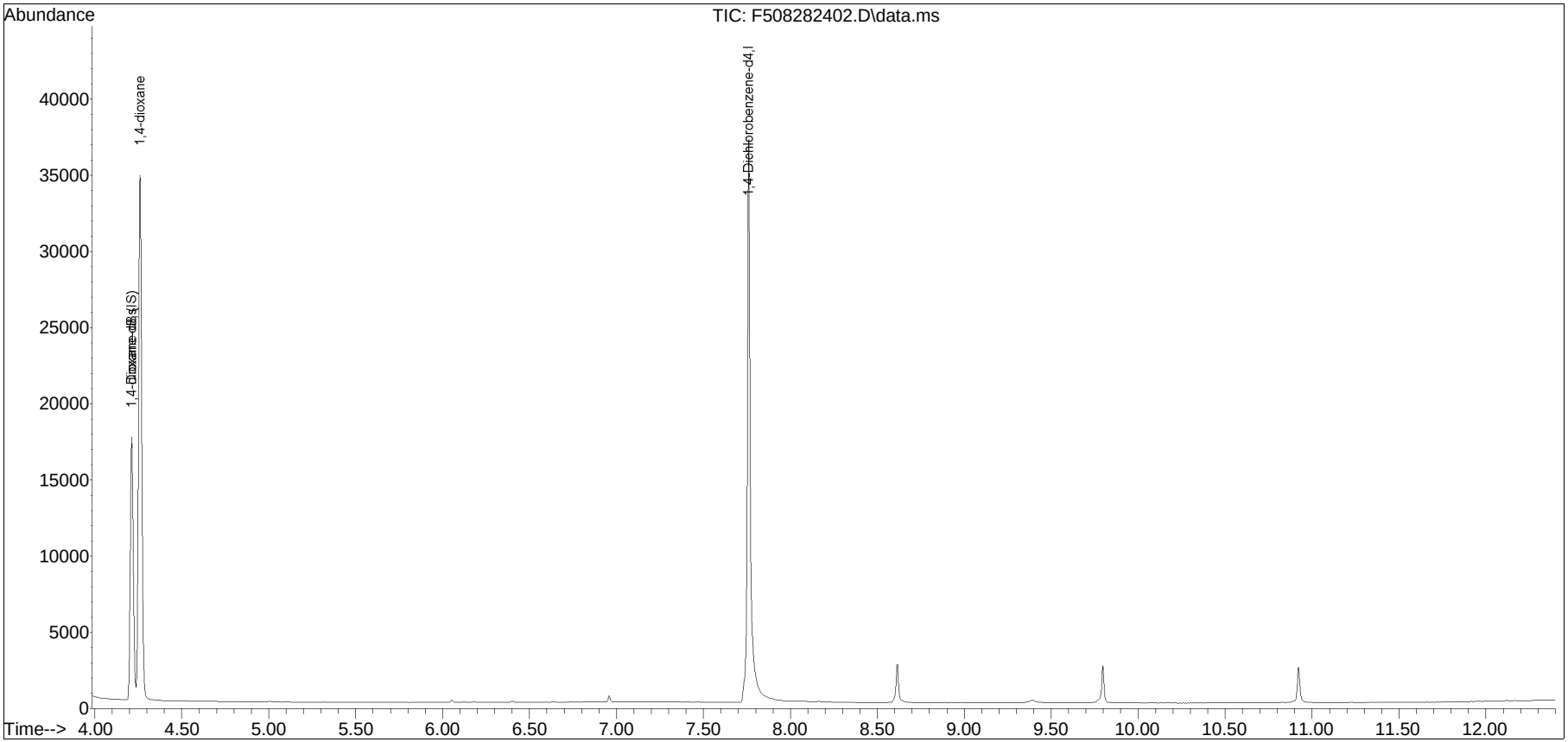
(#) = qualifier out of range (m) = manual integration (+) = signals summed

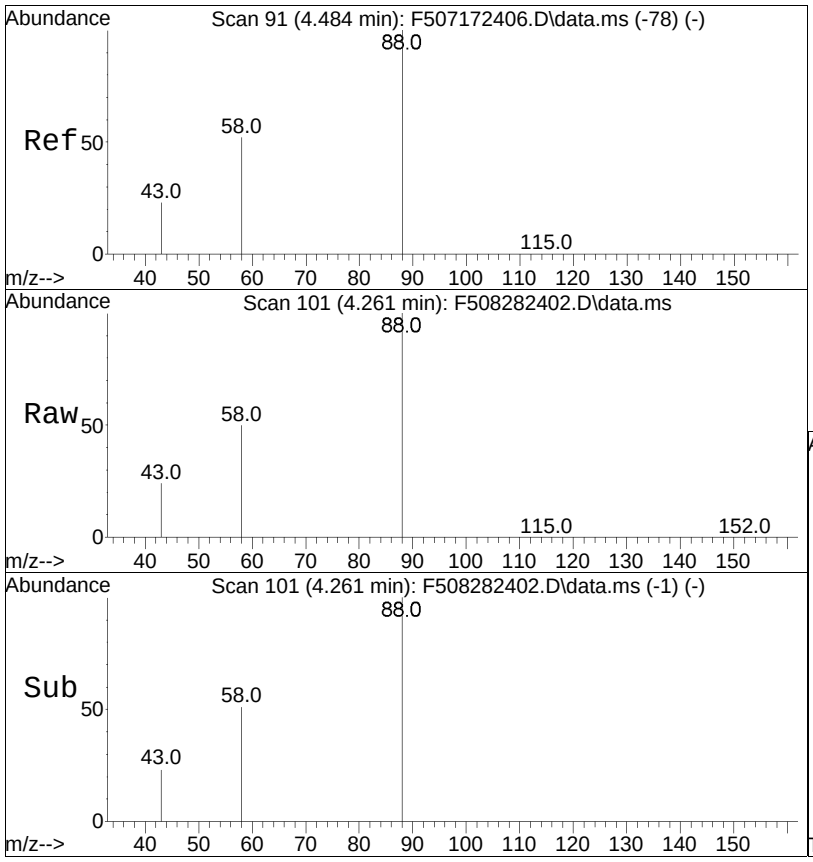
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282402.D
Acq On : 28 Aug 2024 8:02 am
Operator : PAH5:GRS
Sample : WG1965023-2
Misc : WG1965023,,ICAL21302,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 12:40:52 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

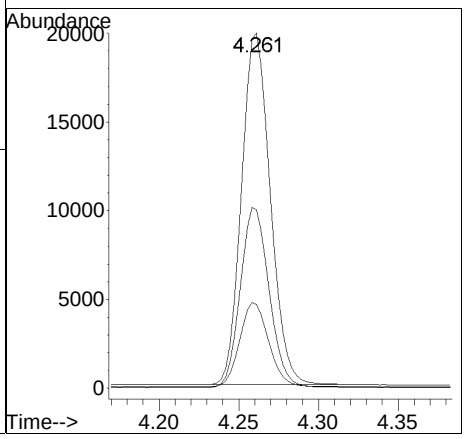




#2
1,4-dioxane
Concen: 963.45 ng/mL
RT: 4.261 min Scan# 101
Delta R.T. 0.000 min
Lab File: F508282402.D
Acq: 28 Aug 2024 8:02 am

Tgt Ion: 88 Resp: 24867

Ion	Ratio	Lower	Upper
88	100		
58	51.3	41.5	62.3
43	23.9	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282402.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 8:02 am	Instrument	: PAH 5
Sample	: WG1965023-2	Quant Date	: 8/28/2024 12:40 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	1,4-Dioxane-d8 (IS)	1.000	1.000	0.0	105	0.00
2	1,4-dioxane	1.561	1.564	-0.2	107	0.00
3 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00
4 s	1,4-dioxane-d8	0.318	0.328	-3.1	110	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.110	64	48060	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	8.769	152	146667	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.110	64	48060	515.998	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 103.20%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.171	88	150331	1001.691	ng/mL	100

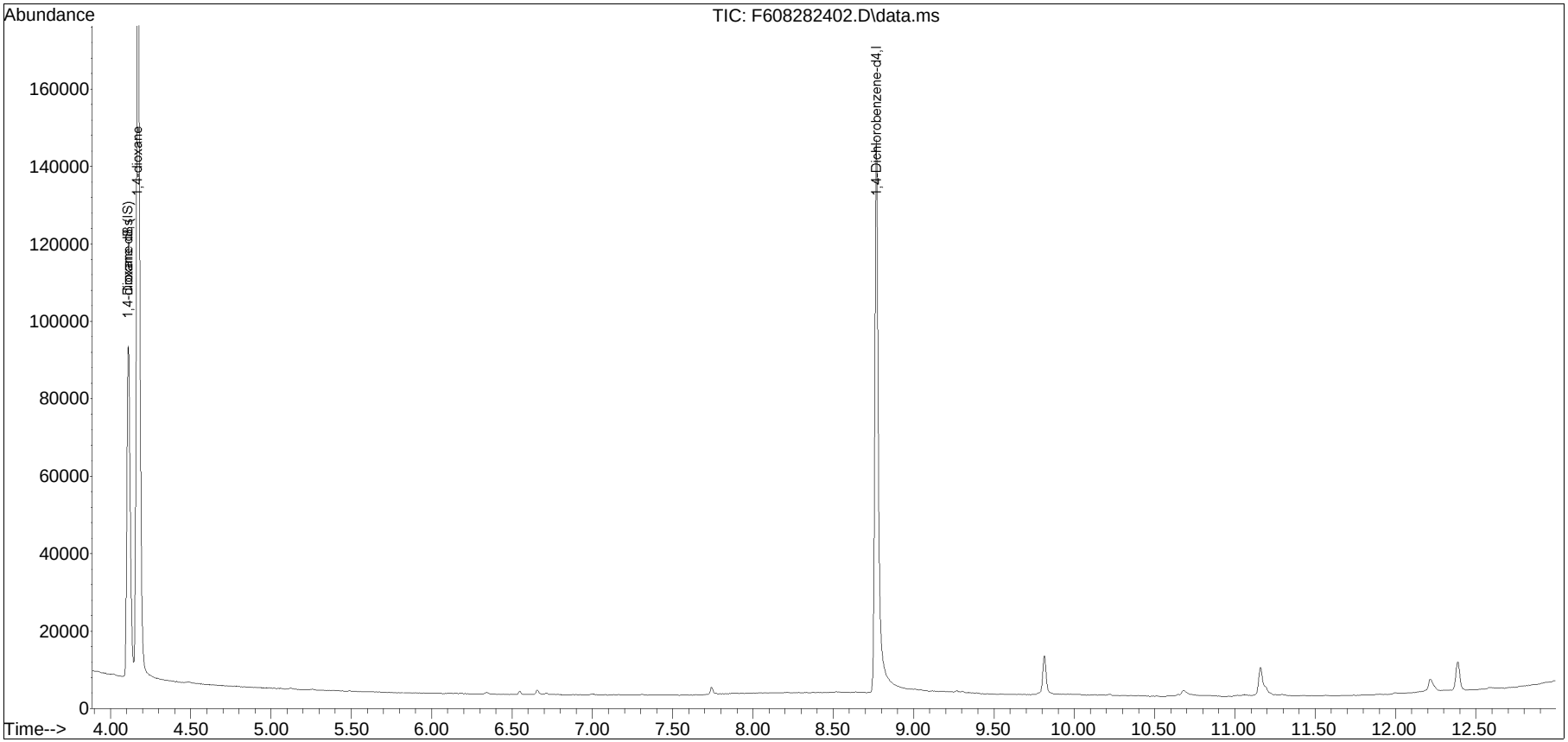
(#) = qualifier out of range (m) = manual integration (+) = signals summed

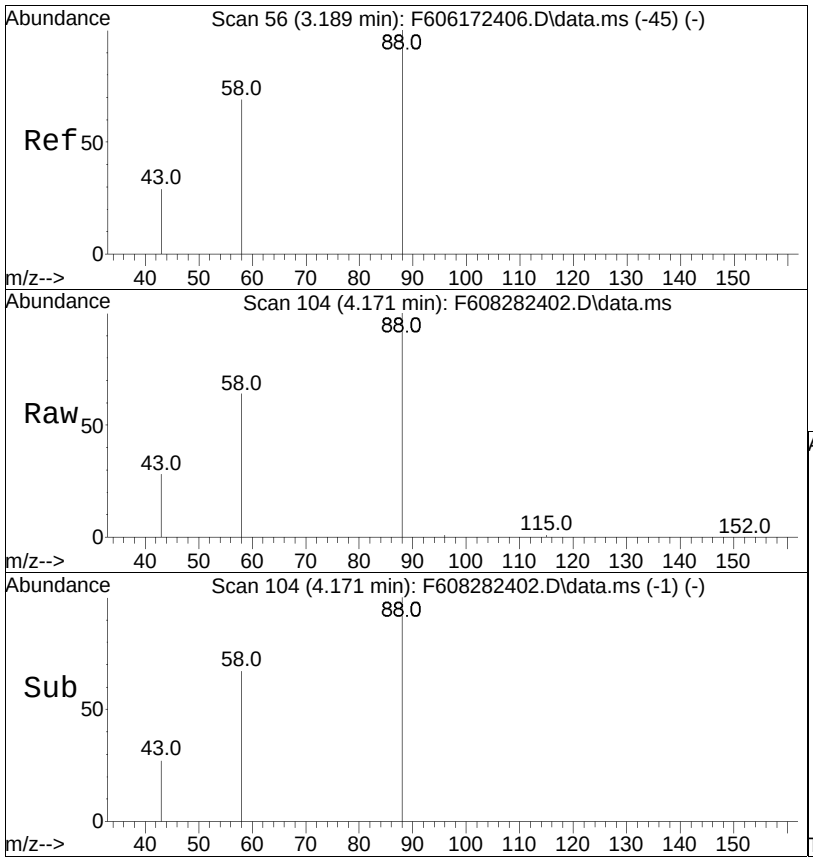
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282402.D
Acq On : 28 Aug 2024 7:57 am
Operator : GCMS6:GRS
Sample : WG1964894-2
Misc : WG1964894,,ICAL21343,MSBU55
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 28 13:08:41 2024
Quant Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 13:08:34 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

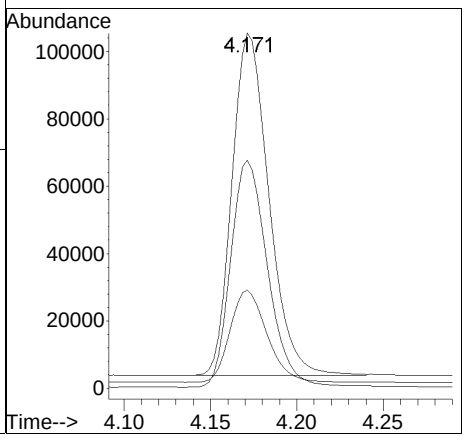




#2
1,4-dioxane
Concen: 1001.69 ng/mL
RT: 4.171 min Scan# 104
Delta R.T. 0.000 min
Lab File: F608282402.D
Acq: 28 Aug 2024 7:57 am

Tgt Ion: 88 Resp: 150331

Ion	Ratio	Lower	Upper
88	100		
58	67.3	54.0	81.0
43	27.0	21.4	32.2



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\GCMS6\2024Q	Method	: 14DIOX0729GCMS6.M
Data File	: F608282402.D	Operator	: GCMS6:GRS
Date Inj'd	: 8/28/2024 7:57 am	Instrument	: GCMS 6
Sample	: WG1964894-2	Quant Date	: 8/28/2024 1:08 pm

There are no manual integrations or false positives in this file.

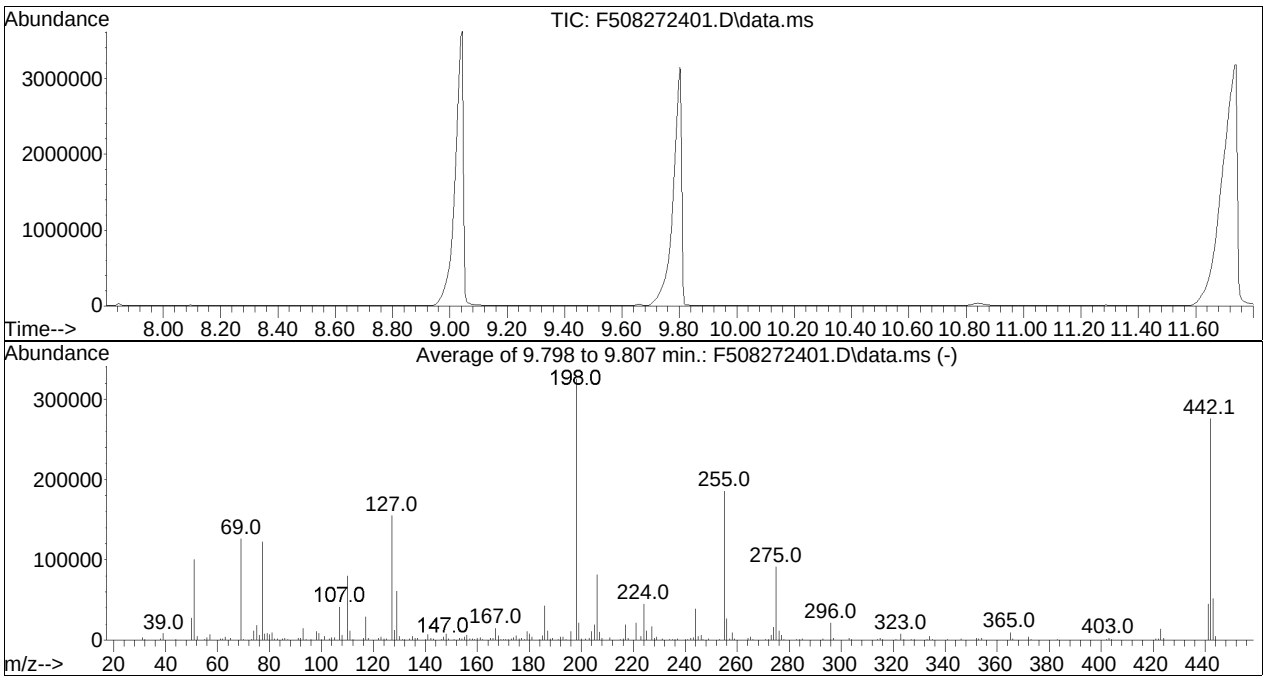
F608282402.D 14DIOX0729GCMS6.M Wed Aug 28 13:29:21 2024 RePage 1er

Semivolatiles Raw QC Data

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272401.D
Acq On : 27 Aug 2024 7:22 am
Operator : PAH5:GRS
Sample : WG1964298-1
Misc : WG1964298,,ICAL21302,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Tue Aug 27 08:59:17 2024



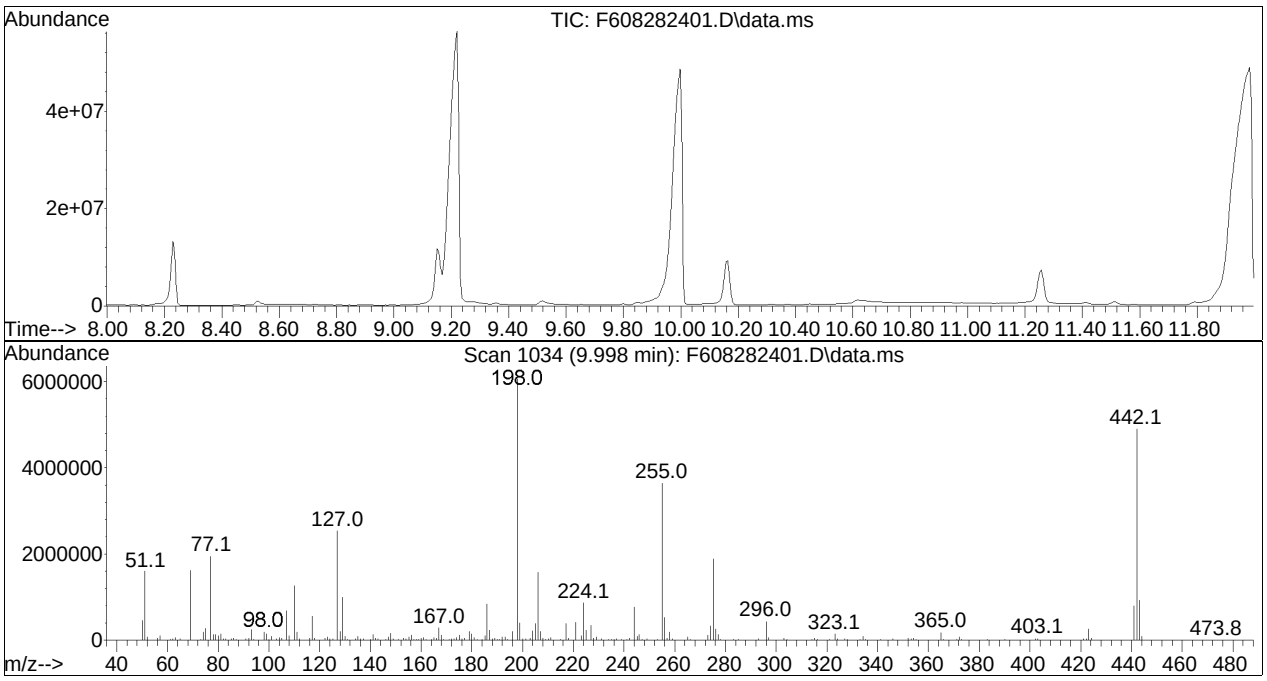
Spectrum Information: Average of 9.798 to 9.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.8	100312	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	618	PASS
127	198	10	80	47.6	155096	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	325547	PASS
199	198	5	9	6.6	21525	PASS
275	198	10	60	28.0	91280	PASS
365	198	1	100	2.8	9216	PASS
441	442	0.01	24	16.3	45048	PASS
442	198	50	100	84.7	275776	PASS
443	442	15	24	18.7	51456	PASS

Data Path : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\
Data File : F608282401.D
Acq On : 28 Aug 2024 7:18 am
Operator : GCMS6:GRS
Sample : WG1964894-1
Misc : WG1964894,,ICAL21343,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\GCMS6\2024\AUG\AUG28\14DIOX0729GCMS6.M
Title : Semivolatiles by GC/MS
Last Update : Wed Aug 28 13:08:34 2024



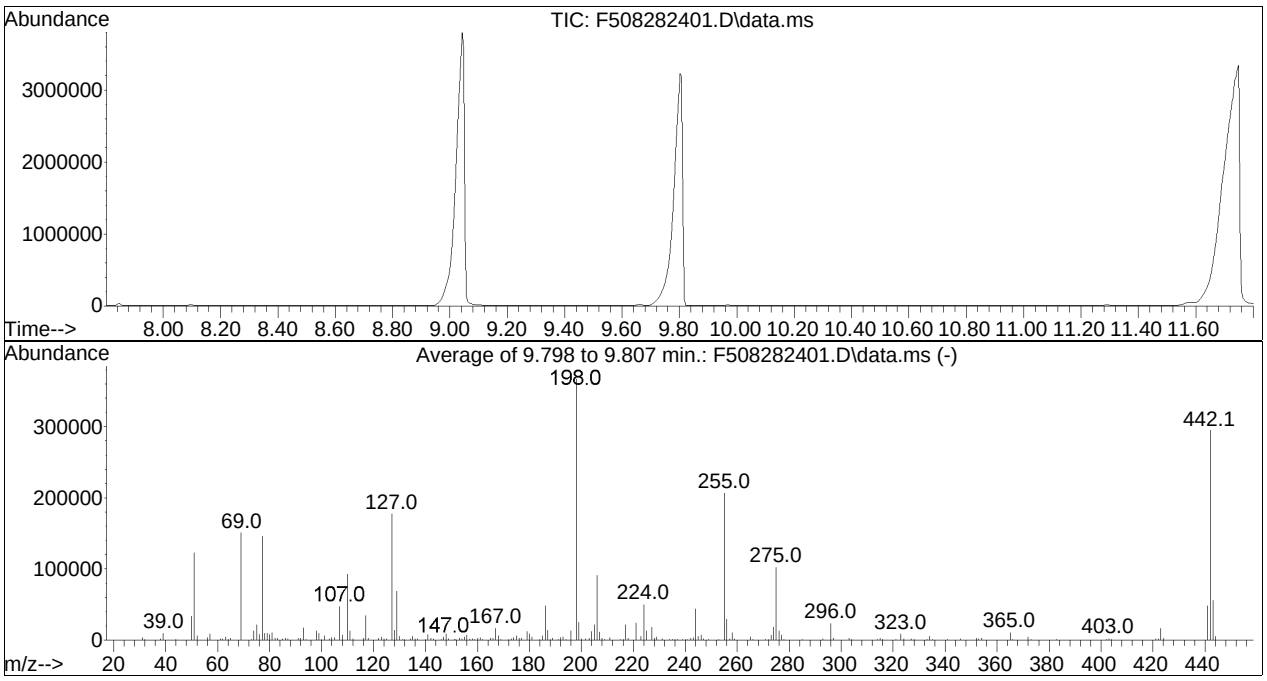
Spectrum Information: Scan 1034

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	26.4	1598464	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	8791	PASS
127	198	10	80	41.8	2537472	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	6066176	PASS
199	198	5	9	6.7	409344	PASS
275	198	10	60	31.0	1883136	PASS
365	198	1	100	2.9	176704	PASS
441	442	0.01	24	16.3	800640	PASS
442	198	50	100	80.9	4904960	PASS
443	442	15	24	18.9	927808	PASS

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282401.D
Acq On : 28 Aug 2024 7:21 am
Operator : PAH5:GRS
Sample : WG1965023-1
Misc : WG1965023,,ICAL21302,MSBU36
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Title : Semivolatiles by GC/MS
Last Update : Wed Aug 28 12:40:43 2024



Spectrum Information: Average of 9.798 to 9.807 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.4	122555	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.5	740	PASS
127	198	10	80	48.4	177856	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	367275	PASS
199	198	5	9	6.7	24683	PASS
275	198	10	60	28.0	102696	PASS
365	198	1	100	2.9	10476	PASS
441	442	0.01	24	16.5	48675	PASS
442	198	50	100	80.4	295168	PASS
443	442	15	24	19.0	56059	PASS

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272403.D
Acq On : 27 Aug 2024 9:12 am
Operator : PAH5:GRS
Sample : WG1963994-1,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 11:32:28 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.228	64	2950	500.000	ng/mL	0.00
3) 1,4-Dichlorobenzene-d4	7.770	152	23991	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.228	64	2950	241.798	ng/mL	0.00
Spiked Amount 500.000	Range 15 - 115		Recovery = 48.36%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

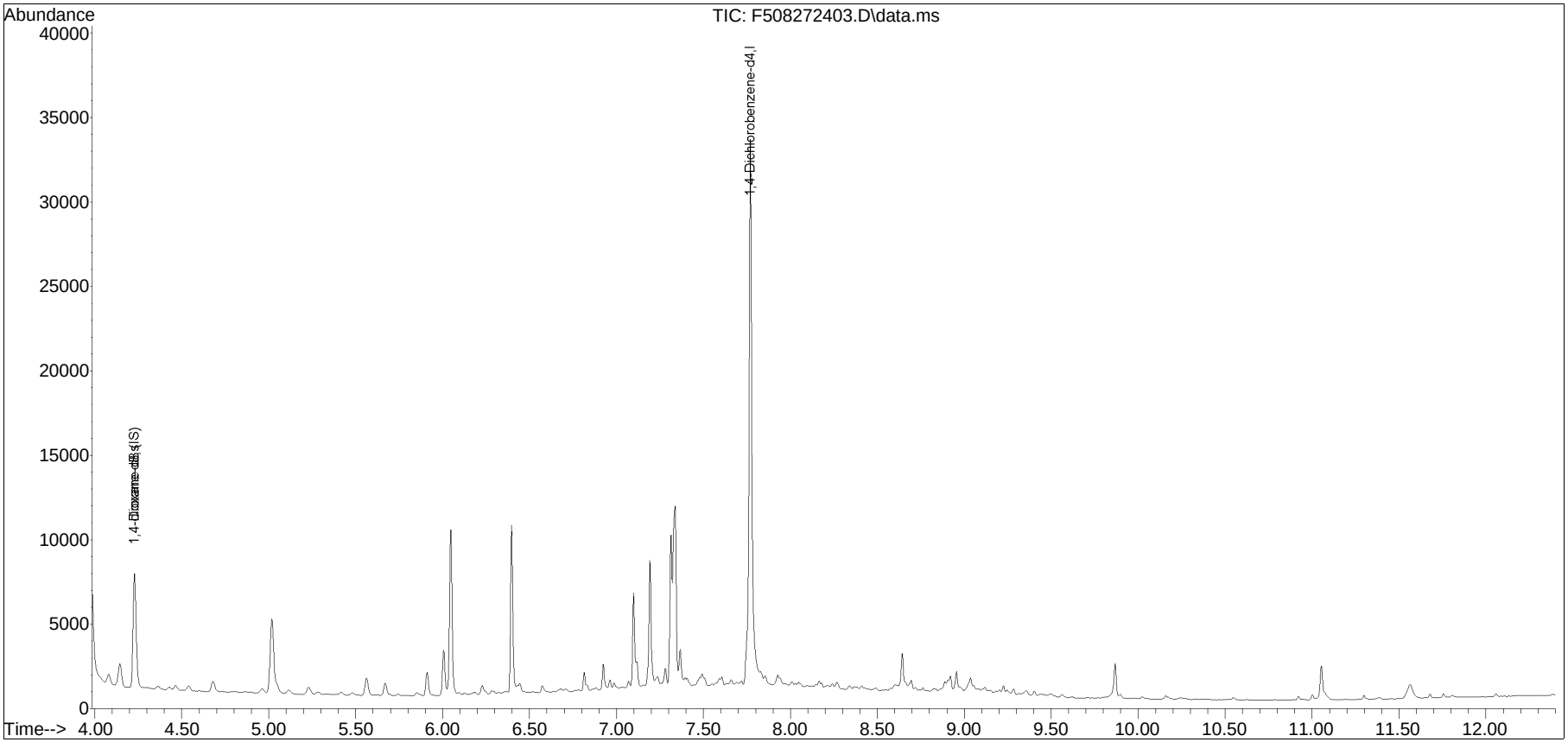
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272403.D
Acq On : 27 Aug 2024 9:12 am
Operator : PAH5:GRS
Sample : WG1963994-1,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 27 11:32:28 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272403.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 9:12 am	Instrument	: PAH 5
Sample	: WG1963994-1,32	Quant Date	: 8/27/2024 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282403.D
Acq On : 28 Aug 2024 9:22 am
Operator : PAH5:GRS
Sample : WG1964624-1,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 12:43:31 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.247	64	3276	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.775	152	23852	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.247	64	3276	270.083	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 54.02%			
Target Compounds						Qvalue
2) 1,4-dioxane	0.000		0	N.D.	d	

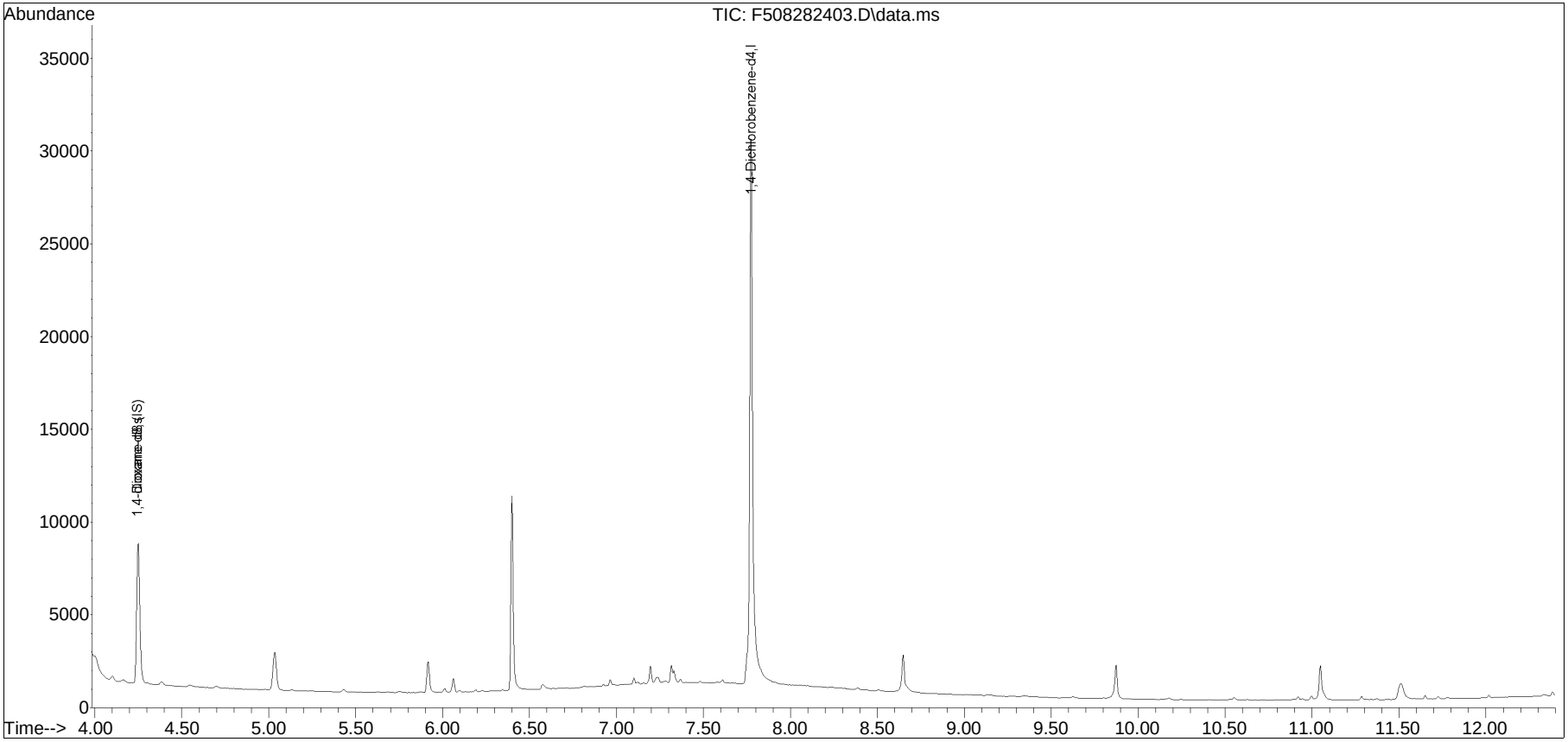
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282403.D
Acq On : 28 Aug 2024 9:22 am
Operator : PAH5:GRS
Sample : WG1964624-1,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 28 12:43:31 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282403.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 9:22 am	Instrument	: PAH 5
Sample	: WG1964624-1,32	Quant Date	: 8/28/2024 12:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272404.D
Acq On : 27 Aug 2024 9:36 am
Operator : PAH5:GRS
Sample : WG1963994-2,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 27 11:31:54 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.267	64	3052	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.764	152	23728	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.267	64	3052	252.931	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 50.59%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.314	88	5945	542.326	ng/mL	99

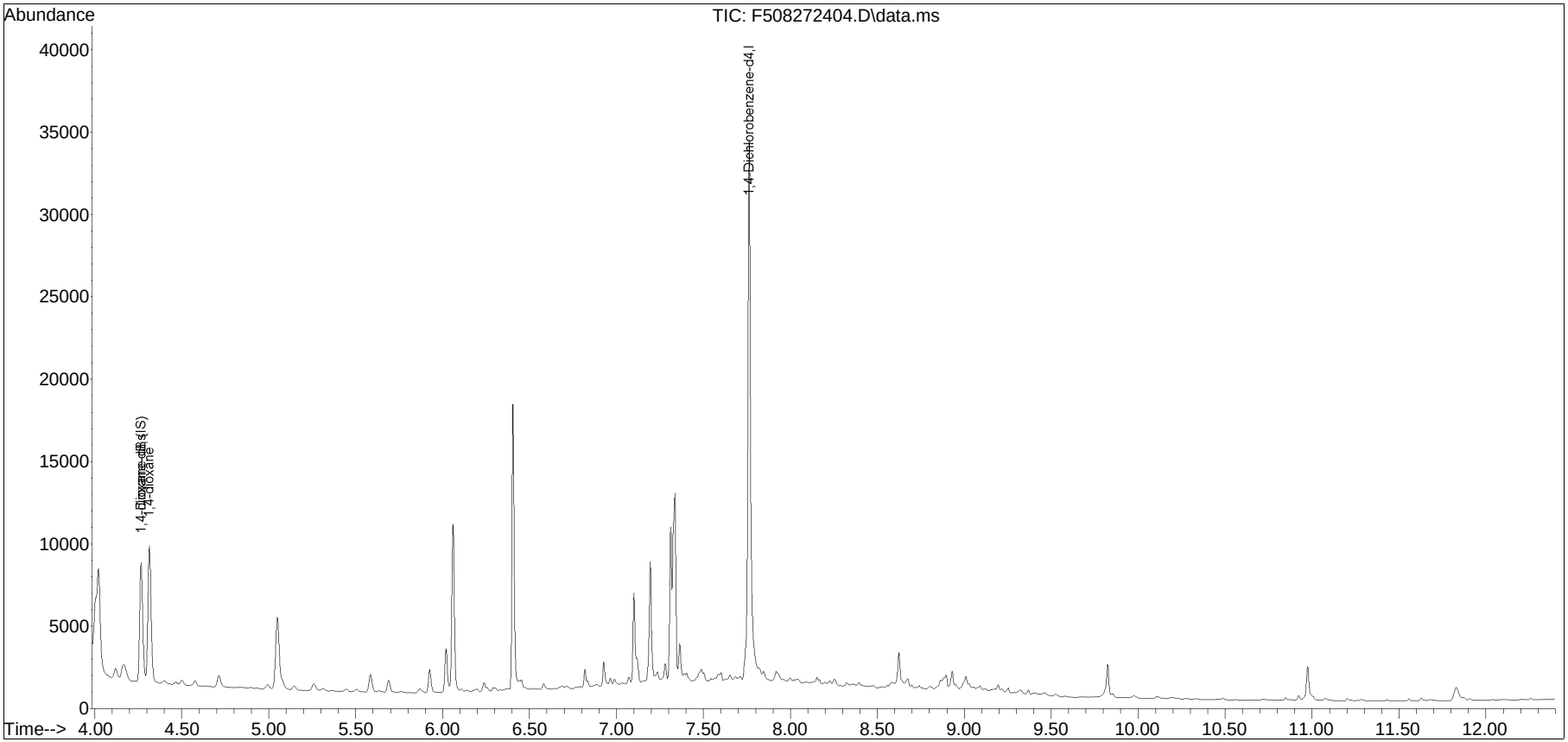
(#) = qualifier out of range (m) = manual integration (+) = signals summed

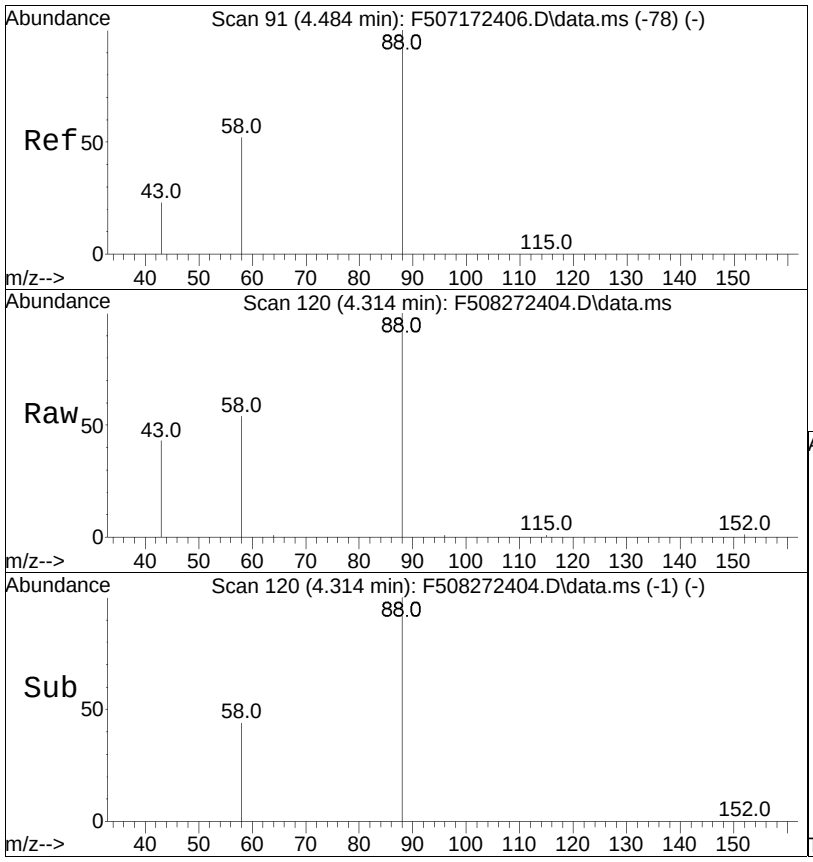
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272404.D
Acq On : 27 Aug 2024 9:36 am
Operator : PAH5:GRS
Sample : WG1963994-2,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 27 11:31:54 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

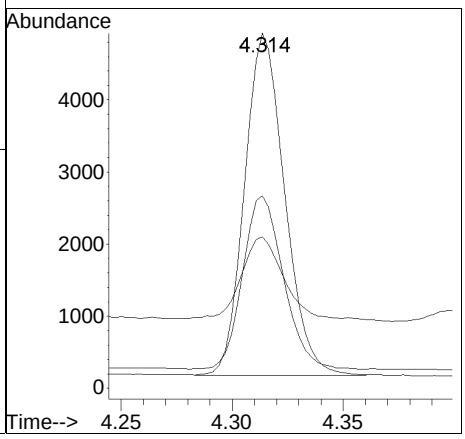




#2
1,4-dioxane
Concen: 542.33 ng/mL
RT: 4.314 min Scan# 120
Delta R.T. 0.044 min
Lab File: F508272404.D
Acq: 27 Aug 2024 9:36 am

Tgt Ion: 88 Resp: 5945

Ion	Ratio	Lower	Upper
88	100		
58	51.3	41.5	62.3
43	24.5	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272404.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 9:36 am	Instrument	: PAH 5
Sample	: WG1963994-2,32	Quant Date	: 8/27/2024 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282404.D
Acq On : 28 Aug 2024 9:47 am
Operator : PAH5:GRS
Sample : WG1964624-2,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:41:08 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.275	64	3195	500.000	ng/mL	0.06
3) 1,4-Dichlorobenzene-d4	7.767	152	24636	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.275	64	3195	255.023	ng/mL	0.06
Spiked Amount 500.000	Range 15 - 115		Recovery = 51.00%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.325	88	6066	528.597	ng/mL	98

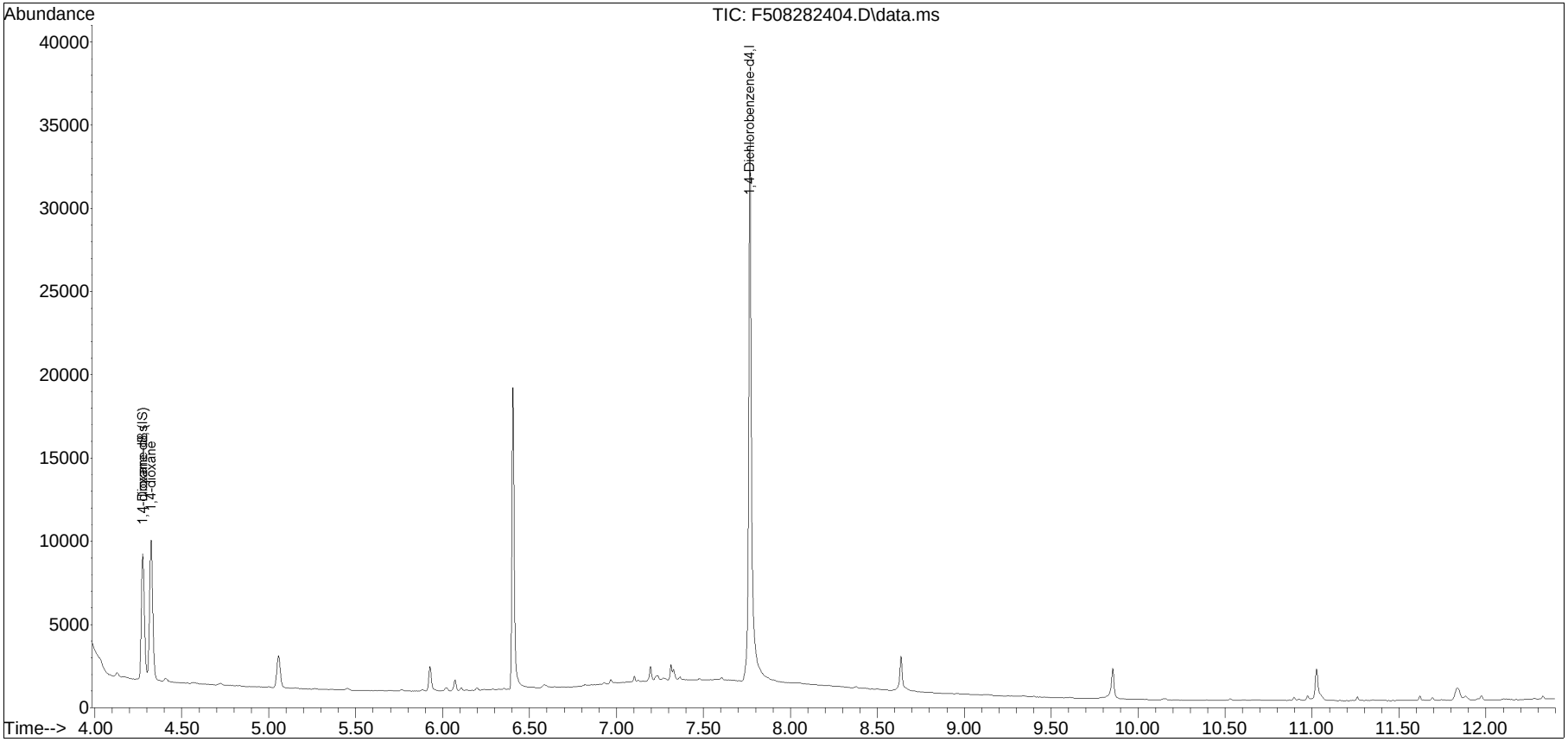
(#) = qualifier out of range (m) = manual integration (+) = signals summed

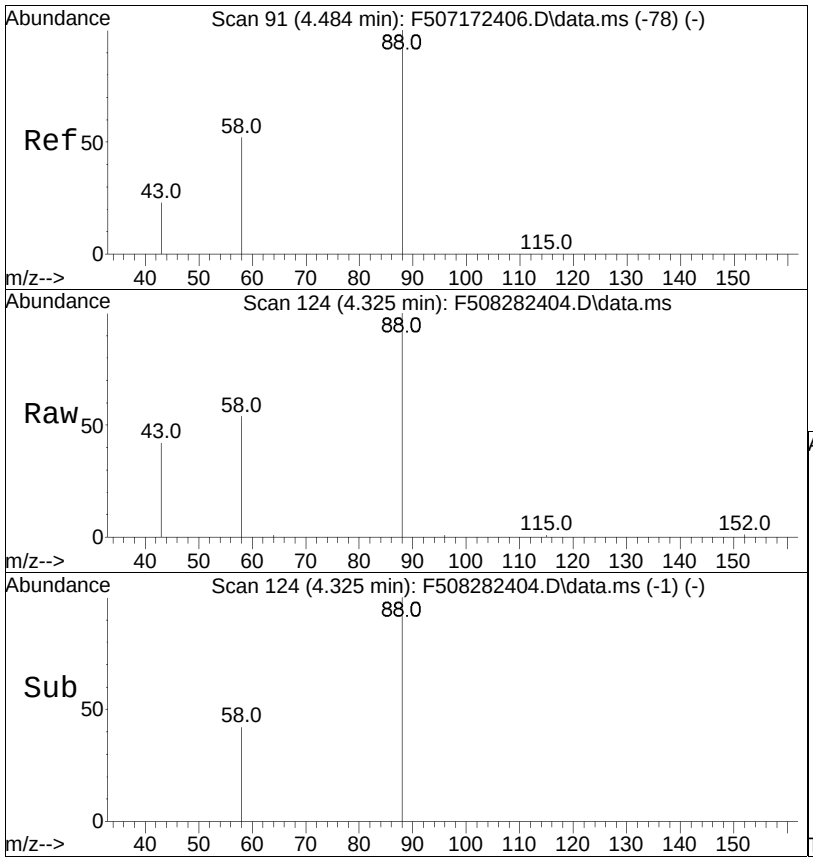
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282404.D
Acq On : 28 Aug 2024 9:47 am
Operator : PAH5:GRS
Sample : WG1964624-2,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 28 12:41:08 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

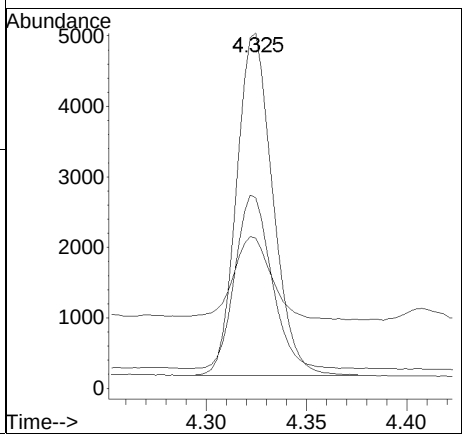




#2
1,4-dioxane
Concen: 528.60 ng/mL
RT: 4.325 min Scan# 124
Delta R.T. 0.064 min
Lab File: F508282404.D
Acq: 28 Aug 2024 9:47 am

Tgt Ion: 88 Resp: 6066

Ion	Ratio	Lower	Upper
88	100		
58	51.1	41.5	62.3
43	25.7	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282404.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 9:47 am	Instrument	: PAH 5
Sample	: WG1964624-2,32	Quant Date	: 8/28/2024 12:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272405.D
Acq On : 27 Aug 2024 10:03 am
Operator : PAH5:GRS
Sample : WG1963994-3,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 11:31:56 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.261	64	3081	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.764	152	23482	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.261	64	3081	258.009	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 51.60%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.308	88	6080	549.420	ng/mL	98

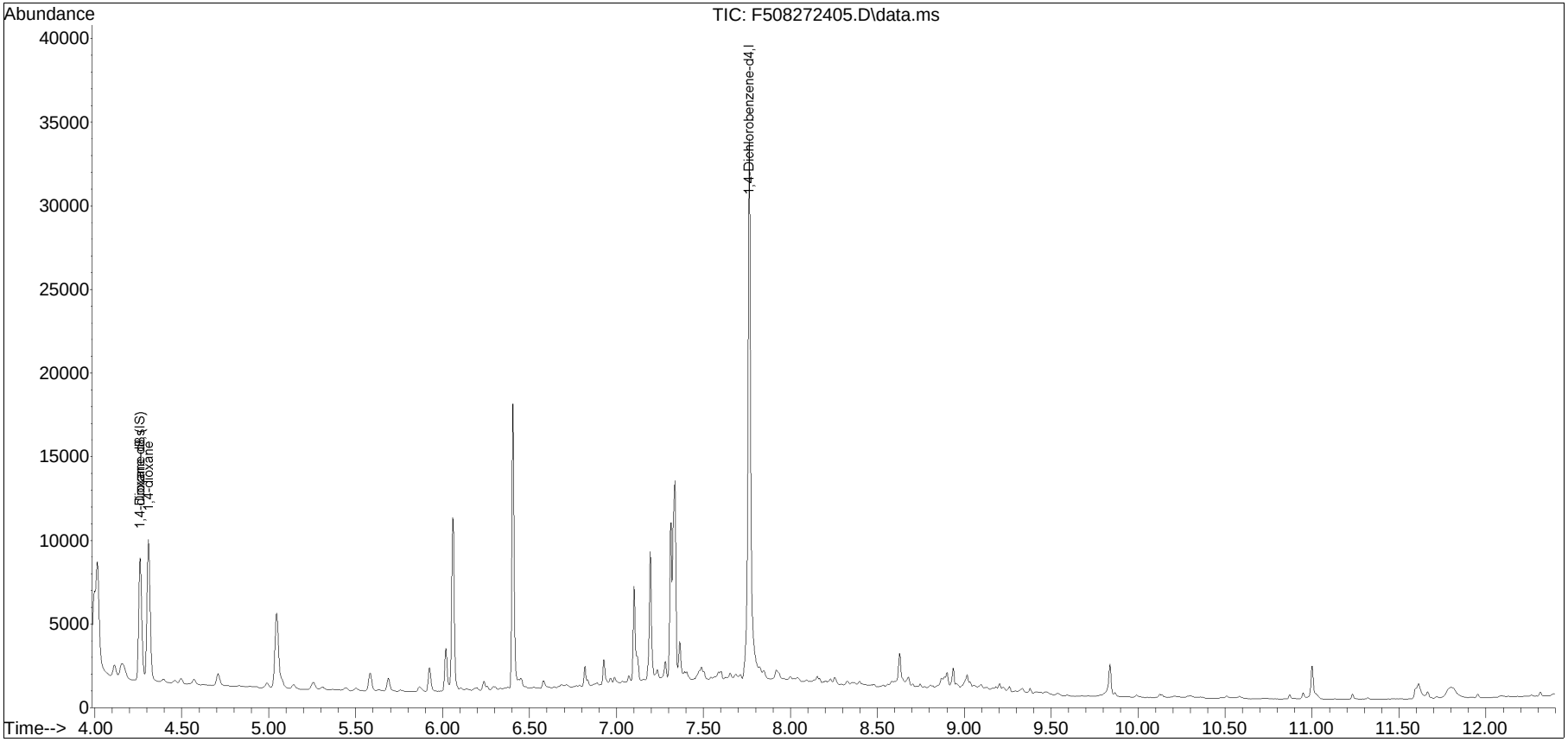
(#) = qualifier out of range (m) = manual integration (+) = signals summed

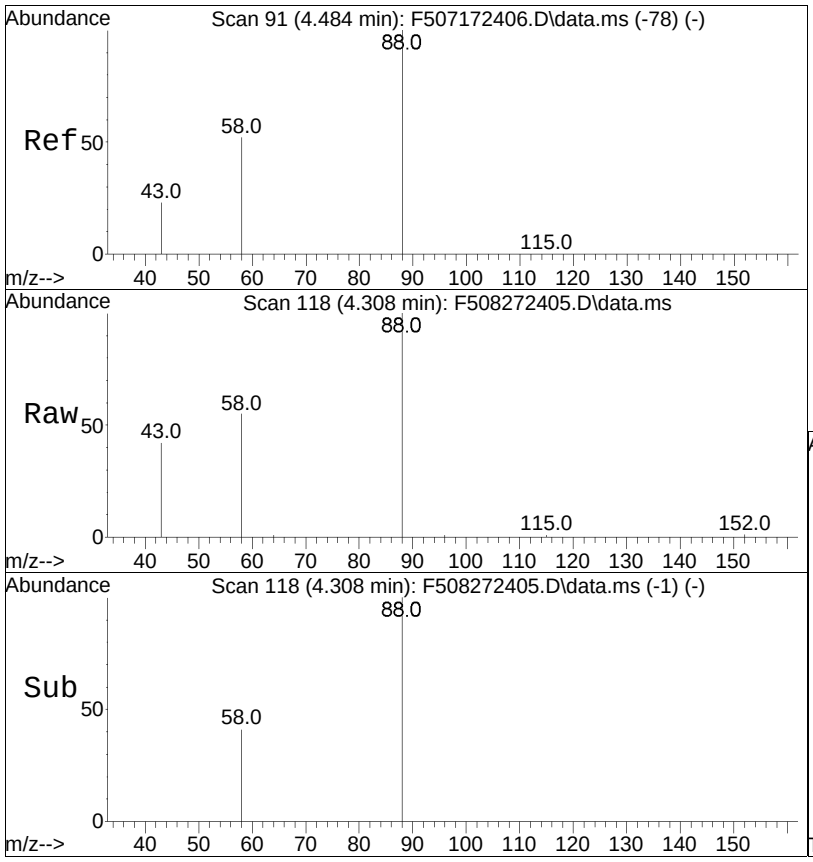
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272405.D
Acq On : 27 Aug 2024 10:03 am
Operator : PAH5:GRS
Sample : WG1963994-3,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 11:31:56 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

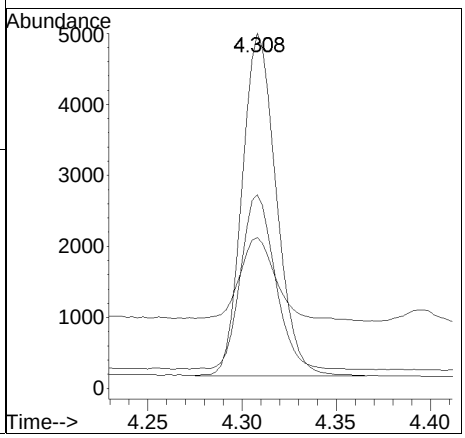




#2
1,4-dioxane
Concen: 549.42 ng/mL
RT: 4.308 min Scan# 118
Delta R.T. 0.039 min
Lab File: F508272405.D
Acq: 27 Aug 2024 10:03 am

Tgt Ion: 88 Resp: 6080

Ion	Ratio	Lower	Upper
88	100		
58	50.5	41.5	62.3
43	23.5	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272405.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 10:03 am	Instrument	: PAH 5
Sample	: WG1963994-3,32	Quant Date	: 8/27/2024 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282405.D
Acq On : 28 Aug 2024 10:14 am
Operator : PAH5:GRS
Sample : WG1964624-3,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 12:41:10 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.264	64	3130	500.000	ng/mL	0.05
3) 1,4-Dichlorobenzene-d4	7.767	152	23934	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.264	64	3130	257.163	ng/mL	0.05
Spiked Amount 500.000	Range 15 - 115		Recovery = 51.43%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.314	88	5985	532.369	ng/mL	98

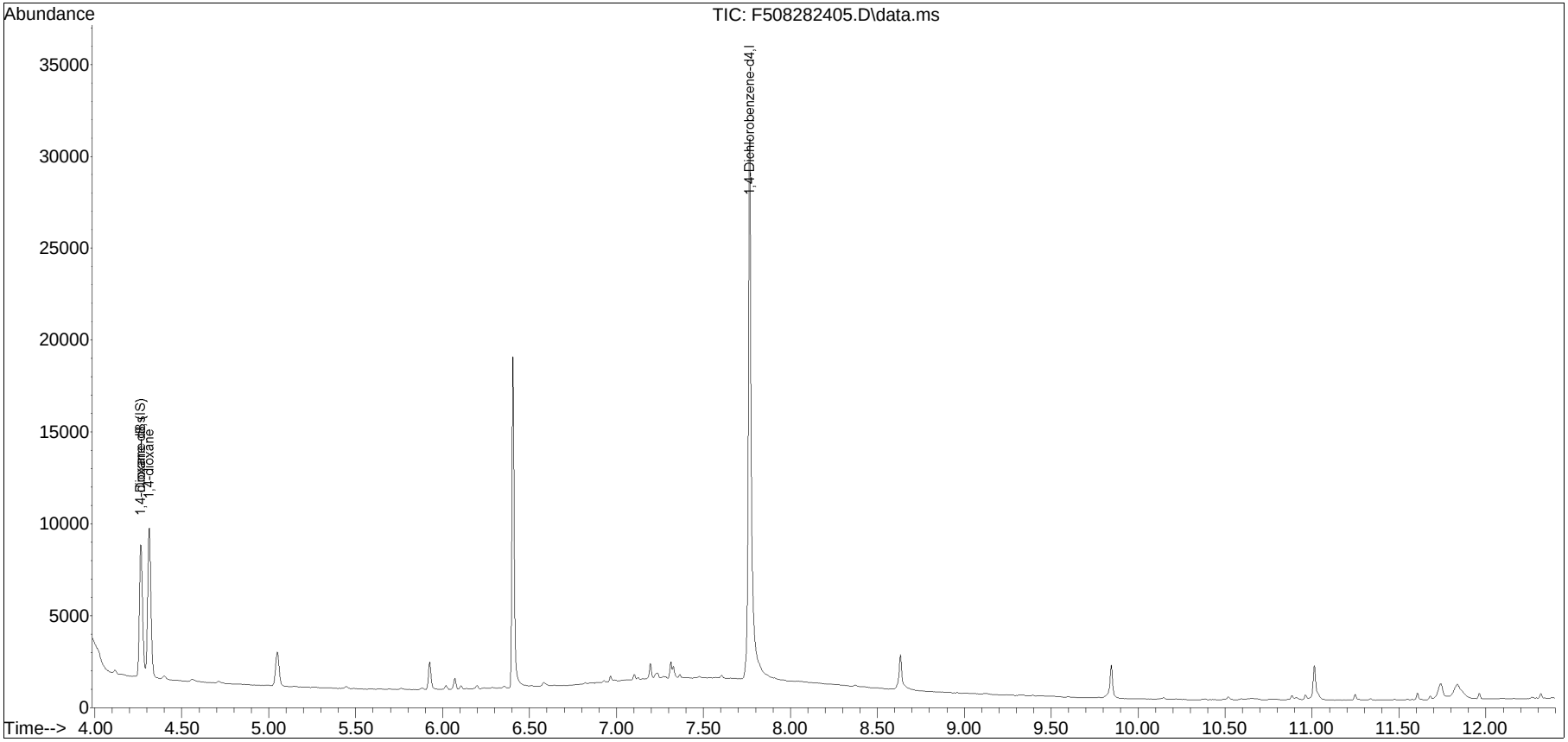
(#) = qualifier out of range (m) = manual integration (+) = signals summed

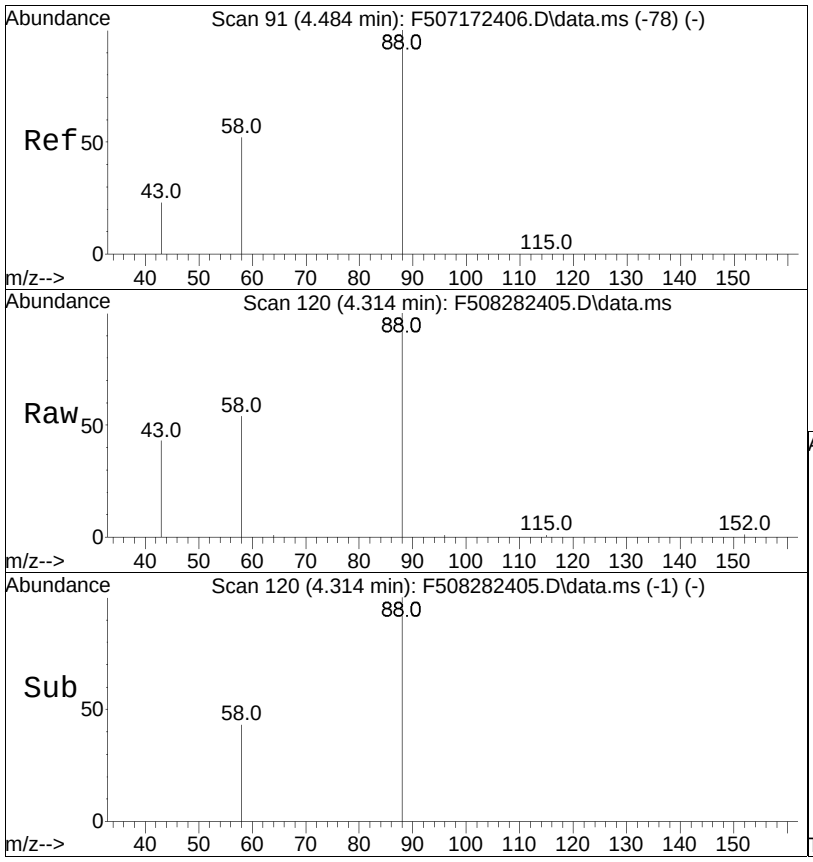
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282405.D
Acq On : 28 Aug 2024 10:14 am
Operator : PAH5:GRS
Sample : WG1964624-3,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 12:41:10 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

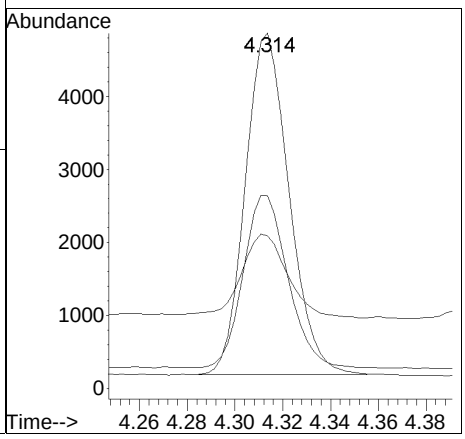




#2
1,4-dioxane
Concen: 532.37 ng/mL
RT: 4.314 min Scan# 120
Delta R.T. 0.053 min
Lab File: F508282405.D
Acq: 28 Aug 2024 10:14 am

Tgt Ion: 88 Resp: 5985

Ion	Ratio	Lower	Upper
88	100		
58	51.1	41.5	62.3
43	25.6	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282405.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 10:14 am	Instrument	: PAH 5
Sample	: WG1964624-3,32	Quant Date	: 8/28/2024 12:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272415.D
Acq On : 27 Aug 2024 2:23 pm
Operator : PAH5:GRS
Sample : WG1963994-6,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 09:31:01 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.261	64	2759	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.772	152	23064	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.261	64	2759	235.232	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 47.05%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.311	88	5543	559.353	ng/mL	98

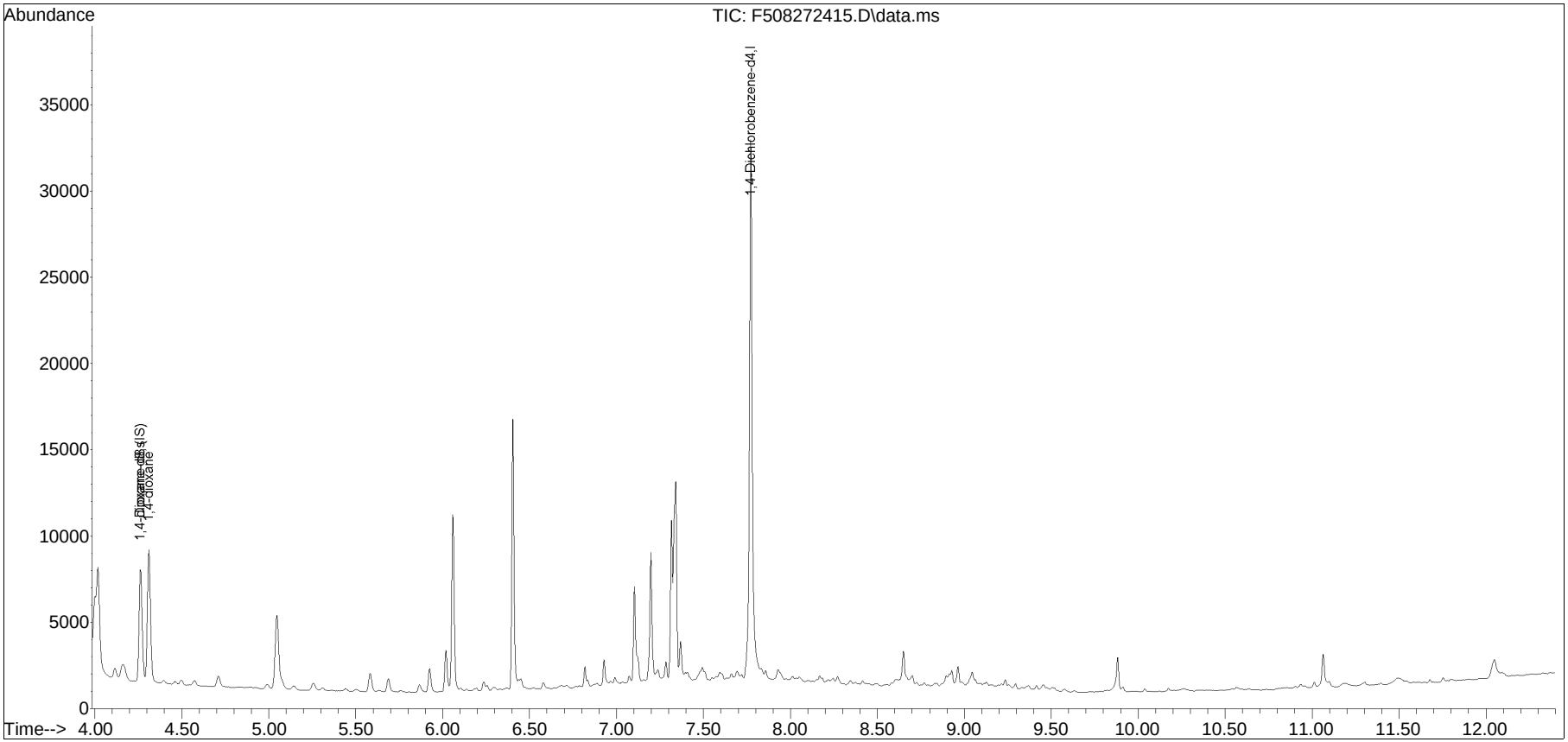
(#) = qualifier out of range (m) = manual integration (+) = signals summed

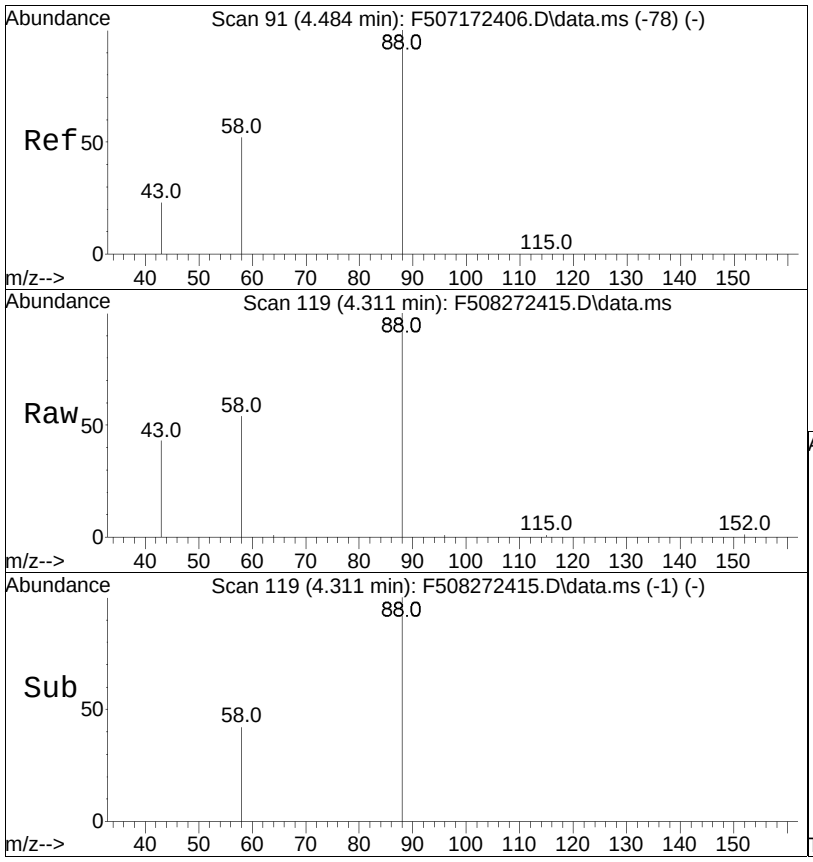
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272415.D
Acq On : 27 Aug 2024 2:23 pm
Operator : PAH5:GRS
Sample : WG1963994-6,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 28 09:31:01 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

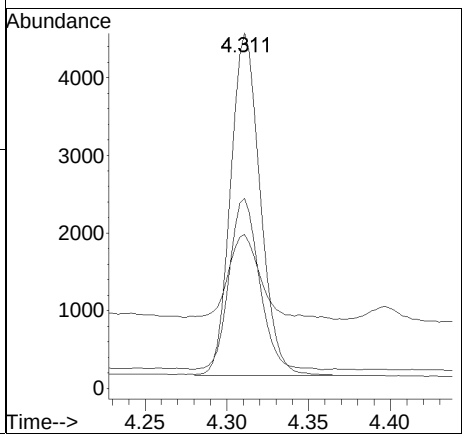




#2
1,4-dioxane
Concen: 559.35 ng/mL
RT: 4.311 min Scan# 119
Delta R.T. 0.041 min
Lab File: F508272415.D
Acq: 27 Aug 2024 2:23 pm

Tgt Ion: 88 Resp: 5543

Ion	Ratio	Lower	Upper
88	100		
58	50.2	41.5	62.3
43	23.8	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272415.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 2:23 pm	Instrument	: PAH 5
Sample	: WG1963994-6,32	Quant Date	: 8/28/2024 9:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272418.D
Acq On : 27 Aug 2024 3:43 pm
Operator : PAH5:GRS
Sample : WG1963994-4,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 09:31:07 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.258	64	2323	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.764	152	23655	500.000	ng/mL	0.00
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.258	64	2323	193.110	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 38.62%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.305	88	4649	557.190	ng/mL	98

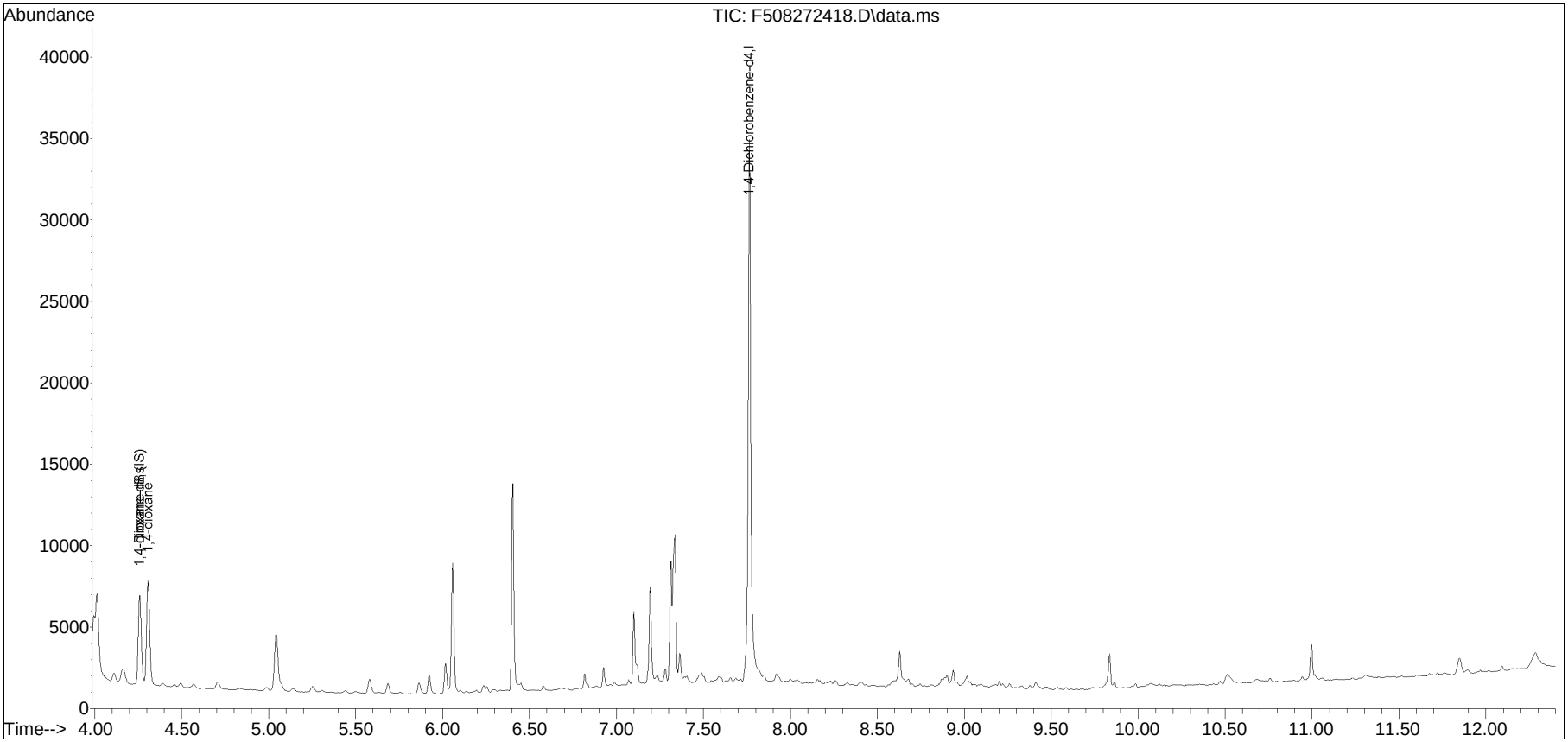
(#) = qualifier out of range (m) = manual integration (+) = signals summed

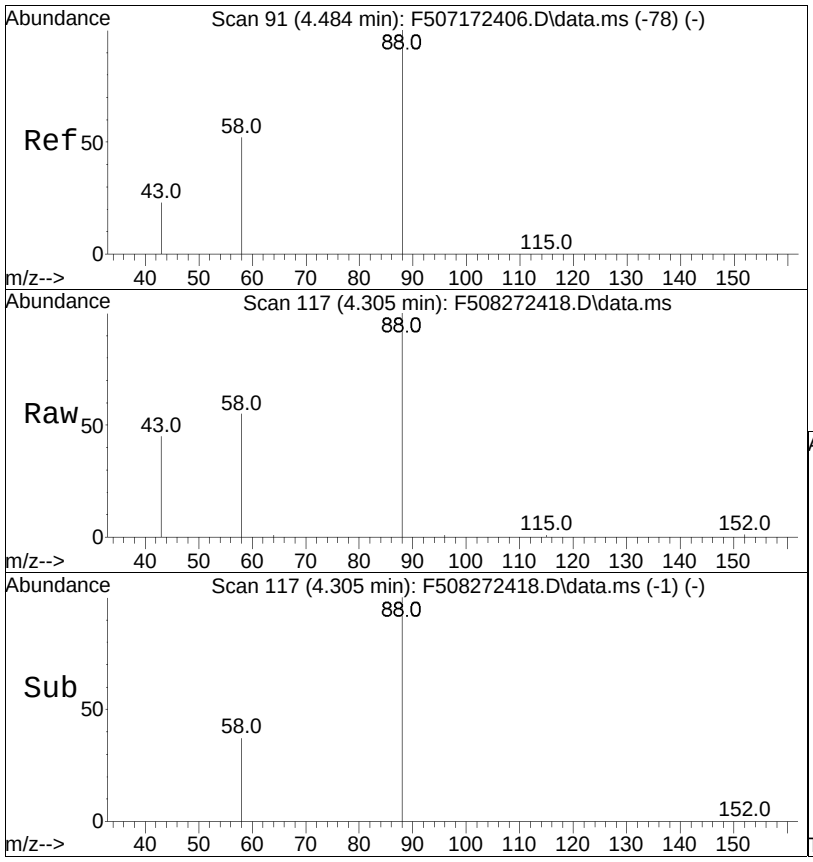
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272418.D
Acq On : 27 Aug 2024 3:43 pm
Operator : PAH5:GRS
Sample : WG1963994-4,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 28 09:31:07 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

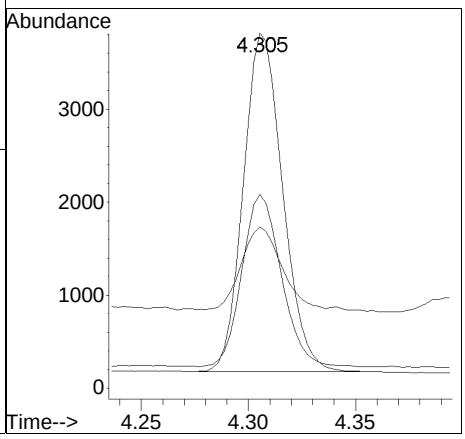




#2
1,4-dioxane
Concen: 557.19 ng/mL
RT: 4.305 min Scan# 117
Delta R.T. 0.036 min
Lab File: F508272418.D
Acq: 27 Aug 2024 3:43 pm

Tgt Ion: 88 Resp: 4649

Ion	Ratio	Lower	Upper
88	100		
58	50.4	41.5	62.3
43	24.3	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272418.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 3:43 pm	Instrument	: PAH 5
Sample	: WG1963994-4,32	Quant Date	: 8/28/2024 9:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282409.D
Acq On : 28 Aug 2024 12:05 pm
Operator : PAH5:GRS
Sample : WG1964624-4,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 12:41:18 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.278	64	2734	500.000	ng/mL	0.07
3) 1,4-Dichlorobenzene-d4	7.775	152	24196	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.278	64	2734	222.195	ng/mL	0.07
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.44%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.325	88	5466	556.627	ng/mL	98

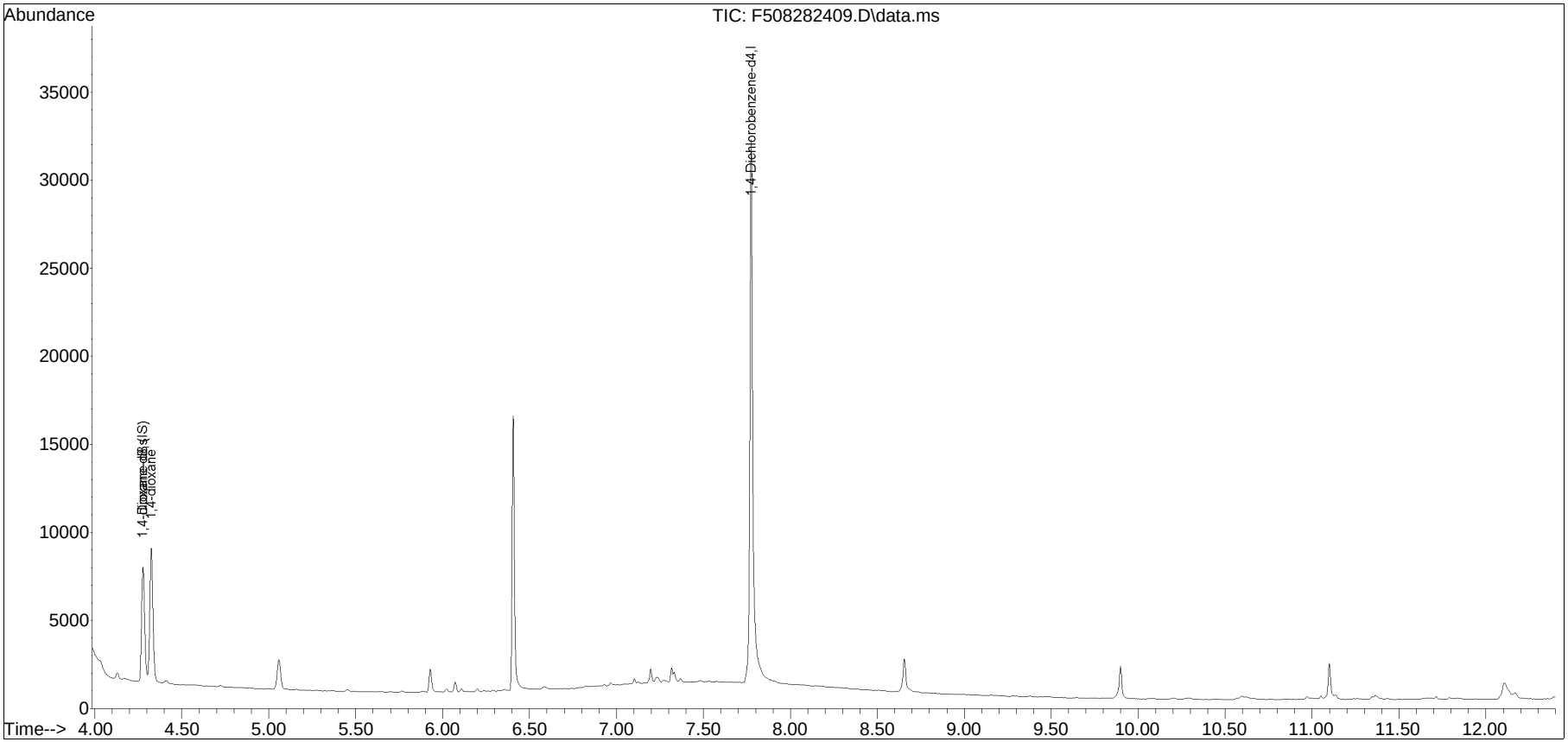
(#) = qualifier out of range (m) = manual integration (+) = signals summed

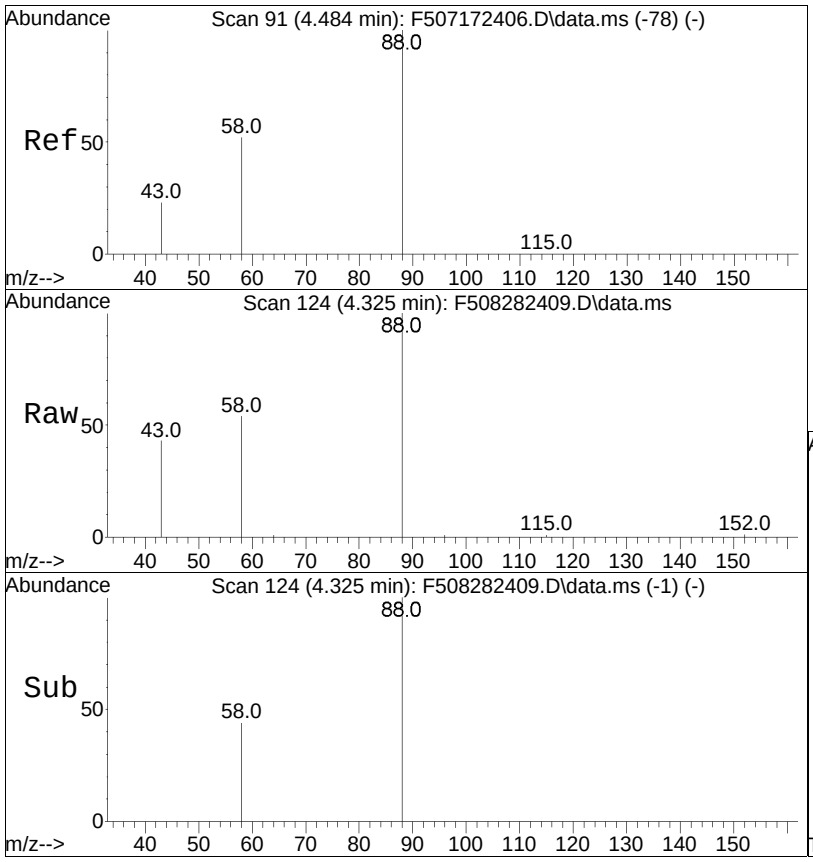
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282409.D
Acq On : 28 Aug 2024 12:05 pm
Operator : PAH5:GRS
Sample : WG1964624-4,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 28 12:41:18 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

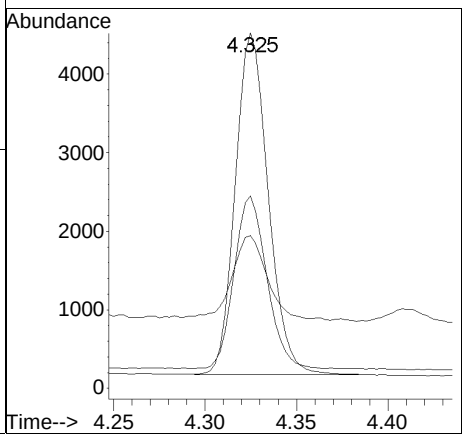




#2
1,4-dioxane
Concen: 556.63 ng/mL
RT: 4.325 min Scan# 124
Delta R.T. 0.064 min
Lab File: F508282409.D
Acq: 28 Aug 2024 12:05 pm

Tgt Ion: 88 Resp: 5466

Ion	Ratio	Lower	Upper
88	100		
58	49.9	41.5	62.3
43	24.4	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282409.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 12:05 pm	Instrument	: PAH 5
Sample	: WG1964624-4,32	Quant Date	: 8/28/2024 12:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272416.D
Acq On : 27 Aug 2024 2:50 pm
Operator : PAH5:GRS
Sample : WG1963994-7,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 09:31:03 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.261	64	2786	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.770	152	23617	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.261	64	2786	231.972	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 46.39%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.311	88	5611	560.728	ng/mL	98

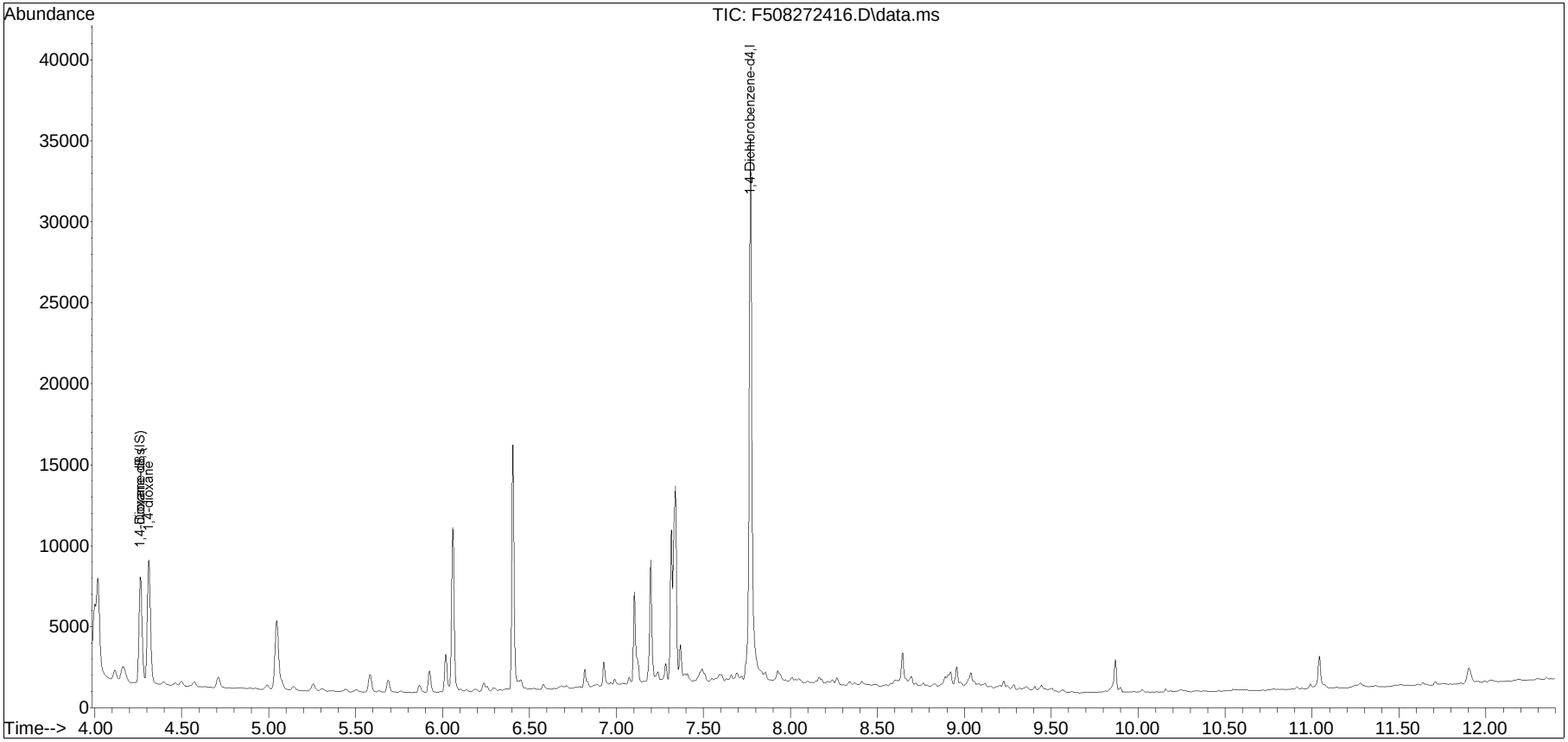
(#) = qualifier out of range (m) = manual integration (+) = signals summed

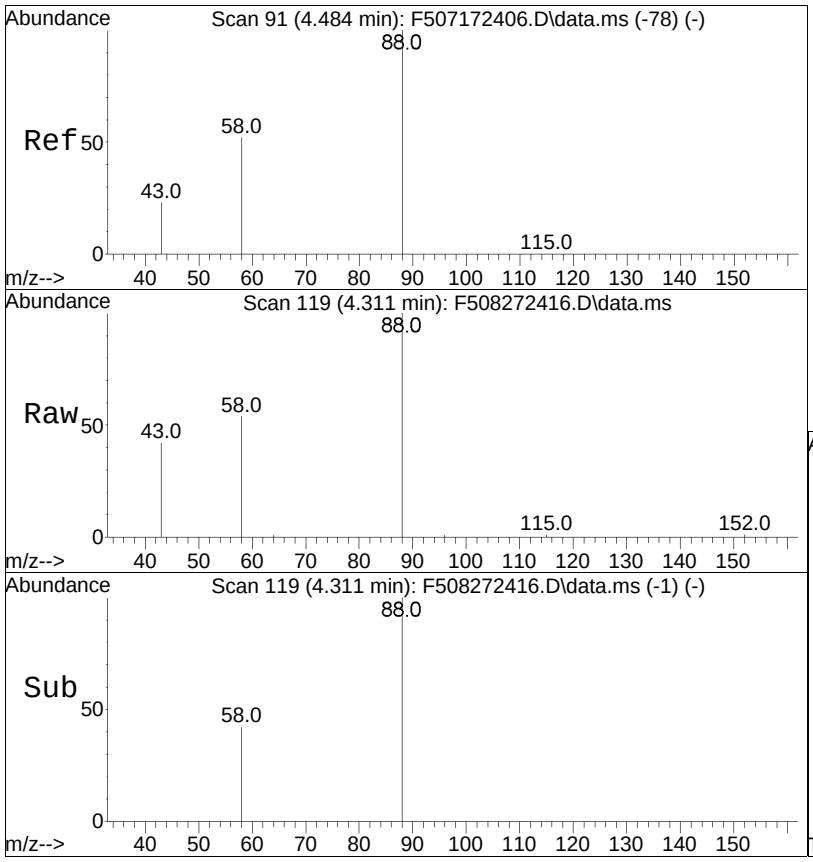
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272416.D
Acq On : 27 Aug 2024 2:50 pm
Operator : PAH5:GRS
Sample : WG1963994-7,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 28 09:31:03 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

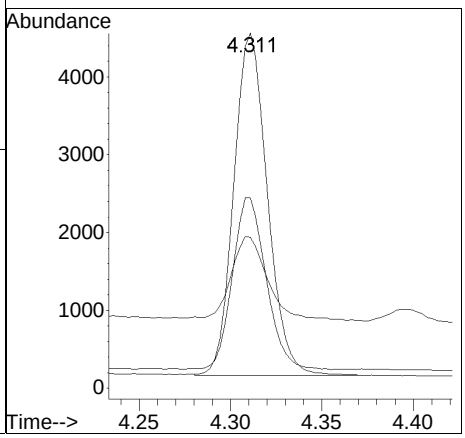




#2
1,4-dioxane
Concen: 560.73 ng/mL
RT: 4.311 min Scan# 119
Delta R.T. 0.042 min
Lab File: F508272416.D
Acq: 27 Aug 2024 2:50 pm

Tgt Ion: 88 Resp: 5611

Ion	Ratio	Lower	Upper
88	100		
58	50.3	41.5	62.3
43	24.1	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272416.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 2:50 pm	Instrument	: PAH 5
Sample	: WG1963994-7,32	Quant Date	: 8/28/2024 9:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272419.D
Acq On : 27 Aug 2024 4:10 pm
Operator : PAH5:GRS
Sample : WG1963994-5,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 09:31:09 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.267	64	2697	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.770	152	23565	500.000	ng/mL	0.01
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.267	64	2697	225.057	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 45.01%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.314	88	5410	558.482	ng/mL	99

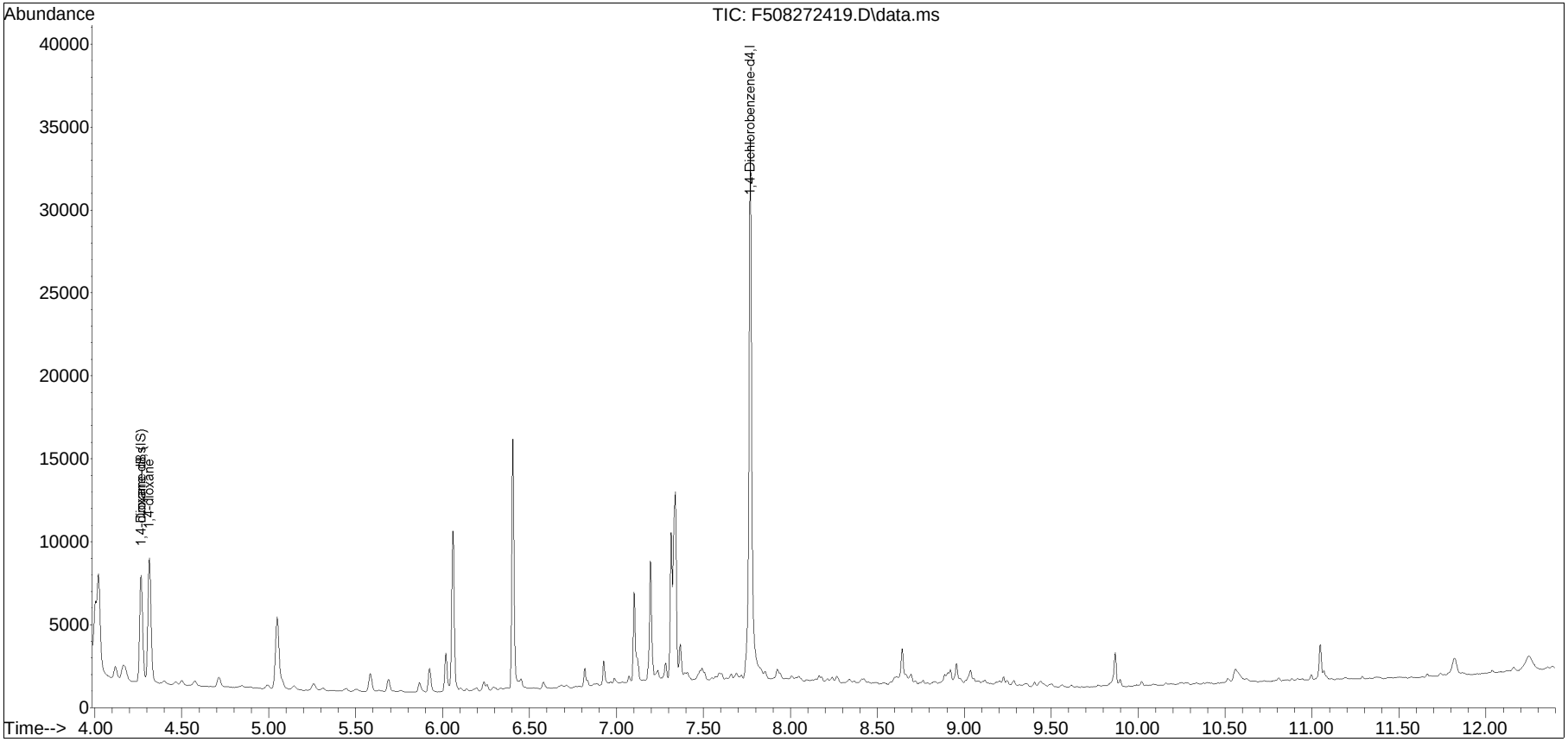
(#) = qualifier out of range (m) = manual integration (+) = signals summed

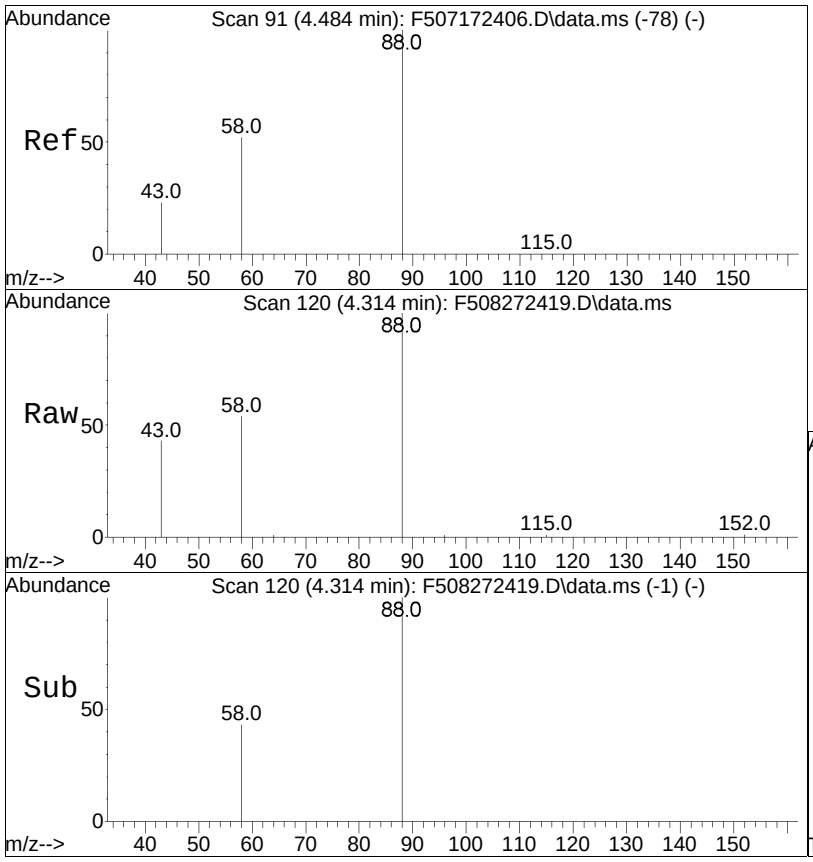
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG27\
Data File : F508272419.D
Acq On : 27 Aug 2024 4:10 pm
Operator : PAH5:GRS
Sample : WG1963994-5,32
Misc : WG1964298,WG1963994,ICAL21302
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 28 09:31:09 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG27\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Tue Aug 27 08:59:17 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

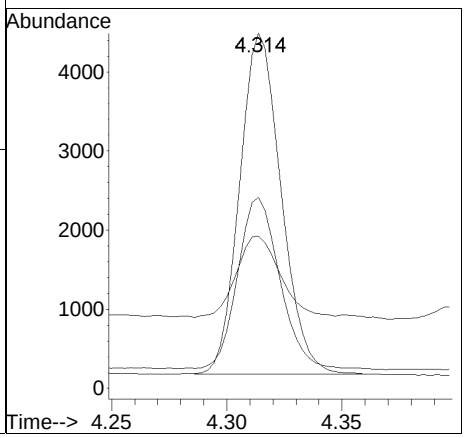




#2
1,4-dioxane
Concen: 558.48 ng/mL
RT: 4.314 min Scan# 120
Delta R.T. 0.044 min
Lab File: F508272419.D
Acq: 27 Aug 2024 4:10 pm

Tgt Ion: 88 Resp: 5410

Ion	Ratio	Lower	Upper
88	100		
58	51.4	41.5	62.3
43	25.1	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508272419.D	Operator	: PAH5:GRS
Date Inj'd	: 8/27/2024 4:10 pm	Instrument	: PAH 5
Sample	: WG1963994-5,32	Quant Date	: 8/28/2024 9:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282410.D
Acq On : 28 Aug 2024 12:26 pm
Operator : PAH5:GRS
Sample : WG1964624-5,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 12:41:20 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dioxane-d8 (IS)	4.256	64	2612	500.000	ng/mL	0.04
3) 1,4-Dichlorobenzene-d4	7.778	152	23147	500.000	ng/mL	0.02
System Monitoring Compounds						
4) 1,4-dioxane-d8	4.256	64	2612	221.900	ng/mL	0.04
Spiked Amount 500.000	Range 15 - 115		Recovery = 44.38%			
Target Compounds						Qvalue
2) 1,4-dioxane	4.305	88	5168	550.861	ng/mL	98

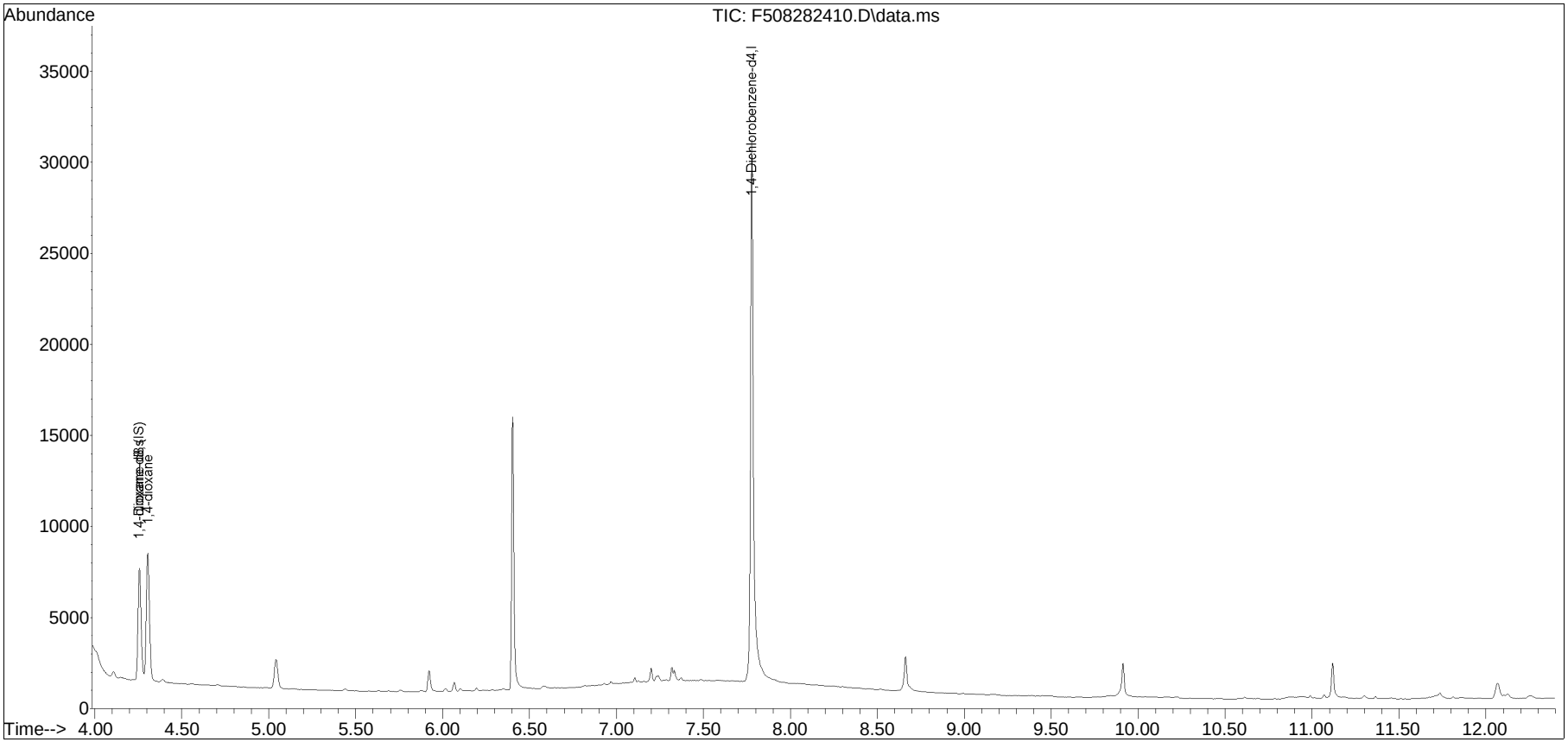
(#) = qualifier out of range (m) = manual integration (+) = signals summed

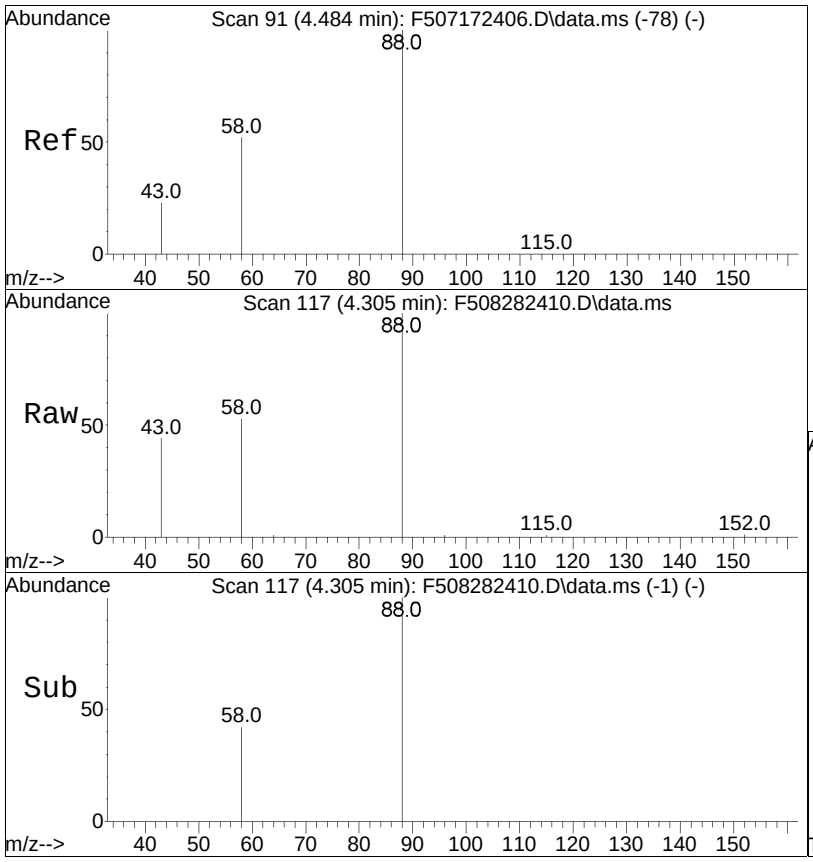
Quantitation Report (QT Reviewed)

Data Path : O:\Organics\DATA\PAH5\2024\AUG\AUG28\
Data File : F508282410.D
Acq On : 28 Aug 2024 12:26 pm
Operator : PAH5:GRS
Sample : WG1964624-5,32
Misc : WG1965023,WG1964624,ICAL21302
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 28 12:41:20 2024
Quant Method : O:\Organics\DATA\PAH5\2024\AUG\AUG28\14DIOX0717PAH5.M
Quant Title : Semivolatiles by GC/MS
QLast Update : Wed Aug 28 12:40:43 2024
Response via : Initial Calibration

Sub List : Default - All compounds listed

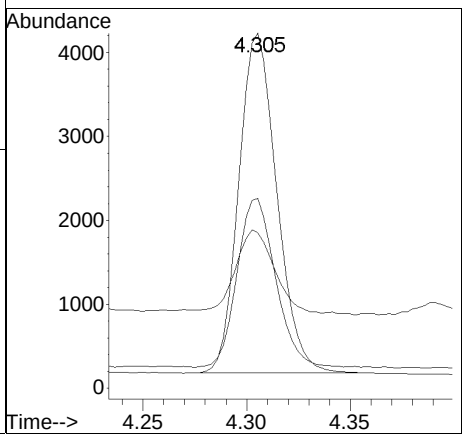




#2
1,4-dioxane
Concen: 550.86 ng/mL
RT: 4.305 min Scan# 117
Delta R.T. 0.044 min
Lab File: F508282410.D
Acq: 28 Aug 2024 12:26 pm

Tgt Ion: 88 Resp: 5168

Ion	Ratio	Lower	Upper
88	100		
58	50.1	41.5	62.3
43	24.5	19.0	28.6



Manual Integration/Negative Proof Report

Data Path	: O:\Organics\DATA\PAH5\2024\	QMethod	: 14DIOX0717PAH5.M
Data File	: F508282410.D	Operator	: PAH5:GRS
Date Inj'd	: 8/28/2024 12:26 pm	Instrument	: PAH 5
Sample	: WG1964624-5,32	Quant Date	: 8/28/2024 12:41 pm

There are no manual integrations or false positives in this file.

Calculation of Semi Volatile Organic Compounds

Results of Water Analysis- calculation as performed in report form:

$$\text{Concentration (ug/L)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{Vi})} \times 1000$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
Vi= Volume of sample extracted (mL)
DF= Dilution factor

Results of Sediment/Soil Analysis- calculation as performed in report form:

$$\text{Concentration (ug/Kg)} = \frac{(\text{Conc})\ (\text{Vf})\ (\text{DF})}{(\text{W})\ (\%\text{S})}$$

where:
Conc =Raw on-column concentration obtained from the quantitation report using Initial Calibration results.
Vf = Final volume of extract (mL)
W= Aliquot of sample (wet), g
DF= Dilution factor
%S= Sample %solid (in decimal form)

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 29 2024, 12:04 pm

Work Group: WG1964298 for Department: 32 GC/MS - Semivolatiles

Created: 27-AUG-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-01	MW-1S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0919	S0	Amber-A.25
L2447503-07	MW-7S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0919	S0	Amber-A.25
L2447876-03	MW-04ADD-082124	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447955-01	INF-01	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0829	0827	3C	Amber-A.25
L2448336-01	NY0171409-004-EFF-20240819	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-02	NY0171409-005-EFF-20240819	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-03	NY0171409-005-EFF-20240819-FB	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-04	NY0171409-DUP-20240819	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-05	NY0171409-002-INF-20240819	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-06	NY0171409-002-EFF-20240819	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
L2448336-07	NY0171409-002-EFF-20240819-EB	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0826	0903	S0	Amber-A.25
WG1963994-1	Laboratory Method Bl	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-2	Laboratory Control S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-3	LCS Duplicate	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-4	Matrix Spike	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-5	Matrix Spike Duplica	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-6	Matrix Spike	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1963994-7	Matrix Spike Duplica	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964000-1	Laboratory Method Bl	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964000-2	Laboratory Control S	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964000-3	LCS Duplicate	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964298-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964298-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964298-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964298-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				

Comments:

WG1963994-3	WG1963994-2
WG1963994-4	L2448336-01
WG1963994-5	L2448336-01
WG1963994-6	L2447503-07
WG1963994-7	L2447503-07
WG1964000-3	WG1964000-2

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 29 2024, 12:04 pm

Work Group: WG1964894 for Department: 32 GC/MS - Semivolatiles

Created: 28-AUG-24 Due: Operator: GRS

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-05	MW-5S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0919	S0	Amber-A.25
L2447503-08	MW-8S	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0919	S0	Amber-A.25
L2447503-09	DUP	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0919	S0	Amber-A.25
L2447503-10	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0919	S0	Amber-A.25
L2447503-11	EQUIPMENT BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0827	0919	S0	Amber-A.25
L2447872-03	MW-05-082124	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447872-05	FB-082124	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-11	MW-9B	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-12	DUP	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2447890-13	FIELD BLANK	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U	0828	0828	S0	Amber-A.25
L2448430-01	JD, 800MJ/CM2,2MG/L H2O2	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0909	S0	Amber-A.25
L2448430-07	SPIKED SAMPLE JD 8/20	S	A2-1,4-DIOXANE-SIM	WATER	DACQ	U	0827	0909	S0	Amber-A.25
WG1964894-1	MS DFTPP Tune Standa	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964894-1	MS DFTPP Tune Standa	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964894-1	MS DFTPP Tune Standa	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-14-DIOXANESIM-PPB	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-NJ-14DIOXSIM-PPB	WATER	DONE	U				
WG1964894-2	Continuing Calibrati	S	A2-1,4-DIOXANE-SIM	WATER	DONE	U				

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\PAH5\2024\JUL\JUL17A\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F507172401.D	DFTPPPAH5.M	T507172401	WG1948411,MSBU36	7/17/2024 3:18 pm
2	F507172402.D	14DIOXANEPAH	I507172401	WG1948411,MSBT54	7/17/2024 3:53 pm
3	F507172403.D	14DIOXANEPAH	I507172402	WG1948411,MSBT55	7/17/2024 4:24 pm
4	F507172404.D	14DIOXANEPAH	I507172403	WG1948411,MSBU56	7/17/2024 4:46 pm
5	F507172405.D	14DIOXANEPAH	I507172404	WG1948411,MSBU57	7/17/2024 5:07 pm
6	F507172406.D	14DIOXANEPAH	I507172405	WG1948411,MSBU37	7/17/2024 5:29 pm
7	F507172407.D	14DIOXANEPAH	I507172406	WG1948411,MSBT59	7/17/2024 5:50 pm
8	F507172408.D	14DIOXANEPAH	I507172407	WG1948411,MSBT53	7/17/2024 6:11 pm
9	F507172409.D	14DIOXANEPAH	CQ507172401	WG1948411,MSBU02	7/17/2024 6:33 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 9
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\JUL\JUL29\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F607292401.D	DFTPPGCMS6.M	T607292401	WG1952684,MSBU36	7/29/2024 8:40 am
2	F607292402.D	GCMS614DX@1U	I607292401	WG1952684,MSBU51	7/29/2024 9:17 am
3	F607292403.D	GCMS614DX@1U	I607292402	WG1952684,MSBU52	7/29/2024 9:40 am
4	F607292404.D	GCMS614DX@1U	I607292403	WG1952684,MSBU53	7/29/2024 10:01 am
5	F607292405.D	GCMS614DX@1U	I607292404	WG1952684,MSBU54	7/29/2024 10:23 am
6	F607292406.D	GCMS614DX@1U	I607292405	WG1952684,MSBU55	7/29/2024 10:45 am
7	F607292407.D	GCMS614DX@1U	I607292406	WG1952684,MSBU56	7/29/2024 11:07 am
8	F607292408.D	GCMS614DX@1U	I607292407	WG1952684,MSBU50	7/29/2024 11:29 am
9	F607292409.D	GCMS614DX@1U	CQ607292401	WG1952684,MSBU02	7/29/2024 11:50 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 20
Log Generated From Directory: O:\Organics\DATA\PAH5\2024\AUG\AUG27\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F508272401.D	DFTPPPAH5.M	WG1964298-1	WG1964298,,ICAL21302,MS..	8/27/2024 7:22 am
2	F508272402.D	14DIOXANEPAH	WG1964298-2	WG1964298,,ICAL21302,MS..	8/27/2024 8:04 am
3	F508272403.D	14DIOXANEPAH	WG1964000-1,32	WG1964298,WG1964000,ICA..	8/27/2024 9:12 am
4	F508272404.D	14DIOXANEPAH	WG1964000-2,32	WG1964298,WG1964000,ICA..	8/27/2024 9:36 am
5	F508272405.D	14DIOXANEPAH	WG1964000-3,32	WG1964298,WG1964000,ICA..	8/27/2024 10:03 am
6	F508272406.D	14DIOXANEPAH	L2447955-01,32	WG1964298,WG1964000,ICA..	8/27/2024 10:29 am
7	F508272407.D	14DIOXANEPAH	L2448336-02,32	WG1964298,WG1963994,ICA..	8/27/2024 10:55 am
8	F508272408.D	14DIOXANEPAH	L2448336-03,32	WG1964298,WG1963994,ICA..	8/27/2024 11:20 am
9	F508272409.D	14DIOXANEPAH	L2448336-04,32	WG1964298,WG1963994,ICA..	8/27/2024 11:46 am
10	F508272410.D	14DIOXANEPAH	L2448336-05,32	WG1964298,WG1963994,ICA..	8/27/2024 12:12 pm
11	F508272411.D	14DIOXANEPAH	L2448336-06,32	WG1964298,WG1963994,ICA..	8/27/2024 12:38 pm
12	F508272412.D	14DIOXANEPAH	L2448336-07,32	WG1964298,WG1963994,ICA..	8/27/2024 1:04 pm
13	F508272413.D	14DIOXANEPAH	L2447503-01,32	WG1964298,WG1963994,ICA..	8/27/2024 1:30 pm
14	F508272414.D	14DIOXANEPAH	L2447503-07,32	WG1964298,WG1963994,ICA..	8/27/2024 1:58 pm
15	F508272415.D	14DIOXANEPAH	WG1963994-6,32	WG1964298,WG1963994,ICA..	8/27/2024 2:23 pm
16	F508272416.D	14DIOXANEPAH	WG1963994-7,32	WG1964298,WG1963994,ICA..	8/27/2024 2:50 pm
17	F508272417.D	14DIOXANEPAH	L2448336-01,32	WG1964298,WG1963994,ICA..	8/27/2024 3:16 pm
18	F508272418.D	14DIOXANEPAH	WG1963994-4,32	WG1964298,WG1963994,ICA..	8/27/2024 3:43 pm
19	F508272419.D	14DIOXANEPAH	WG1963994-5,32	WG1964298,WG1963994,ICA..	8/27/2024 4:10 pm
20	F508272420.D	14DIOXANEPAH	L2447876-03,32	WG1964298,WG1963994,ICA..	8/27/2024 4:37 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 8
Log Generated From Directory: O:\Organics\DATA\GCMS6\2024\AUG\AUG28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F608282401.D	DFTPPGCMS6.M	WG1964894-1	WG1964894,,ICAL21343,MS..	8/28/2024 7:18 am
2	F608282402.D	GCMS614DX@1U	WG1964894-2	WG1964894,,ICAL21343,MS..	8/28/2024 7:57 am
3	F608282403.D	GCMS614DX@1U	L2447890-11,32,,	WG1964894,WG1964624,ICA..	8/28/2024 9:27 am
4	F608282404.D	GCMS614DX@1U	L2447890-12,32,,	WG1964894,WG1964624,ICA..	8/28/2024 9:51 am
5	F608282405.D	GCMS614DX@1U	L2447890-13,32,,	WG1964894,WG1964624,ICA..	8/28/2024 10:17 am
6	F608282406.D	GCMS614DX@1U	L2447872-03,32,,	WG1964894,WG1964625,ICA..	8/28/2024 10:43 am
7	F608282407.D	GCMS614DX@1U	L2447872-05,32,,	WG1964894,WG1964625,ICA..	8/28/2024 11:10 am
8	F608282408.D	GCMS614DX@1U	L2447581-05,32,,	SEE 10X/20X DL	8/28/2024 11:37 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Analysis log File

Total Files Reported in Log : 12
Log Generated From Directory: O:\Organics\DATA\PAH5\2024\AUG\AUG28\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	F508282401.D	DFTPPPAH5.M	WG1965023-1	WG1965023,,ICAL21302,MS..	8/28/2024 7:21 am
2	F508282402.D	14DIOXANEPAH	WG1965023-2	WG1965023,,ICAL21302,MS..	8/28/2024 8:02 am
3	F508282403.D	14DIOXANEPAH	WG1964628-1,32	WG1965023,WG1964628,ICA..	8/28/2024 9:22 am
4	F508282404.D	14DIOXANEPAH	WG1964628-2,32	WG1965023,WG1964628,ICA..	8/28/2024 9:47 am
5	F508282405.D	14DIOXANEPAH	WG1964628-3,32	WG1965023,WG1964628,ICA..	8/28/2024 10:14 am
6	F508282406.D	14DIOXANEPAH	L2447890-01,32	WG1965023,WG1964624,ICA..	8/28/2024 10:41 am
7	F508282407.D	14DIOXANEPAH	L2447890-02,32	WG1965023,WG1964624,ICA..	8/28/2024 11:08 am
8	F508282408.D	14DIOXANEPAH	L2447890-03,32	WG1965023,WG1964624,ICA..	8/28/2024 11:41 am
9	F508282409.D	14DIOXANEPAH	WG1964624-4,32	WG1965023,WG1964624,ICA..	8/28/2024 12:05 pm
10	F508282410.D	14DIOXANEPAH	WG1964624-5,32	WG1965023,WG1964624,ICA..	8/28/2024 12:26 pm
11	F508282411.D	14DIOXANEPAH	L2447581-05D,32,20	,,ICAL21302	8/28/2024 1:53 pm
12	F508282412.D	14DIOXANEPAH	L2447581-05D,32,10	WG1965023,WG1964628,ICA..	8/28/2024 2:15 pm

SeqLog 1.0 - (c) 2009 Abacus Database Applications

ORGANIC ELN REPORT

Workgroup: WG1964624

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: 1,4-DIOXANE
Spike Type: 1,4-DIOXANE
Spike Verify by: NTA
Lims Spikelot: 14DIOXANE

Lot #: EI872-US
Lot #: MSBU58
Lot #: MSBU59

Additional Reagents/Stds

Glass Wool	06323999
Na2SO4	ON082024H

Conc.Method: S-EVAP
Solvent Type: DCM
Lot #: EI872-US

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447503-05 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-08 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-09 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-10 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447503-11 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-01 SAMP	08/27/24 18:05	Gavin Aldrich	260	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-02 SAMP	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 29-AUG-24 12:04 PM

ORGANIC ELN REPORT

Workgroup: WG1964624

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447890-03 SAMP	08/27/24 18:05	Gavin Aldrich	275	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-11 SAMP	08/27/24 18:05	Gavin Aldrich	245	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-12 SAMP	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2447890-13 SAMP	08/27/24 20:06	Gavin Aldrich	275	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2448430-01 SAMP	08/27/24 20:06	Gavin Aldrich	245	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
L2448430-07 SAMP	08/27/24 20:06	Gavin Aldrich	235	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-1 BLANK	08/27/24 18:05	Gavin Aldrich	250	7	.25		08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
	SHARES QC WITH WG1964625 AND WG1964628 NTA 8/27/24									
WG1964624-2 LCS	08/27/24 18:05	Gavin Aldrich	250	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-3 LCSD	08/27/24 18:05	Gavin Aldrich	250	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3
WG1964624-4 MS	08/27/24 18:05	Gavin Aldrich	260	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 29-AUG-24 12:04 PM

ORGANIC ELN REPORT

Workgroup: WG1964624

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1964624-5 MSD	08/27/24 18:05	Gavin Aldrich	275	7	.25	.25	08/27/24 21:00	Gavin Aldrich	2.5	SEVAP 3

Reported: 29-AUG-24 12:04 PM

ORGANIC ELN REPORT

Workgroup: WG1963994

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EI872-US
Surrogate Type: 1,4-DIOXANE **Lot #:** MSBU58
Spike Type: 1,4-DIOXANE **Lot #:** MSBT87
Spike Verify by: NTA
Lims Spikelot: 14DIOXANE

Additional Reagents/Stds

Glass Wool	06323999
Na2SO4	ON082024H

Conc.Method: S-EVAP/N-EVAP
Solvent Type: DCM
Lot #: EI872-US

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction: Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Concentration: Conc Date	Analyst	Final Vol ml	Conc Unit
L2447503-01 SAMP	08/26/24 14:26	Lacia Gallant	250	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2447503-07 SAMP	08/26/24 14:26	Lacia Gallant	260	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-01 SAMP	08/26/24 14:26	Lacia Gallant	260	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-02 SAMP	08/26/24 14:26	Lacia Gallant	250	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-03 SAMP	08/26/24 14:26	Lacia Gallant	250	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-04 SAMP	08/26/24 14:26	Lacia Gallant	245	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-05 SAMP	08/26/24 14:26	Lacia Gallant	250	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10

Reported: 29-AUG-24 12:04 PM

ORGANIC ELN REPORT

Workgroup: WG1963994

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2448336-06 SAMP	08/26/24 14:26	Lacia Gallant	260	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
L2448336-07 SAMP	08/26/24 14:44	Lacia Gallant	245	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-1 BLANK	08/26/24 14:26	Lacia Gallant	250	7	.25		08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
	SHARES QC WITH WG1964000 NTA 8/26/24									
WG1963994-2 LCS	08/26/24 14:26	Lacia Gallant	250	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-3 LCSD	08/26/24 14:26	Lacia Gallant	250	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-4 MS	08/26/24 14:26	Lacia Gallant	260	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-5 MSD	08/26/24 14:26	Lacia Gallant	260	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-6 MS	08/26/24 14:26	Lacia Gallant	275	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10
WG1963994-7 MSD	08/26/24 14:26	Lacia Gallant	275	7	.25	.25	08/26/24 15:44	Nathan April	2.5	SEVAP 3/NEV AP 10

Reported: 29-AUG-24 12:04 PM

GC Extractable Analysis
Herbicides

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Pesticides

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

GC Column 1: STX-CLP1
GC Column 2: STX-CLP2

CLIENT ID (LAB SAMPLE NO.)	1 %REC	2 %REC	1 %REC	2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-1S (L2447503-01)	126	119	--	--			0
MW-2S (L2447503-02)	118	102	--	--			0
MW-3S (L2447503-03)	109	95	--	--			0
MW-4D (L2447503-04)	114	97	--	--			0
MW-5S (L2447503-05)	122	104	--	--			0
MW-6D (L2447503-06)	124	108	--	--			0
MW-7S (L2447503-07)	121	103	--	--			0
MW-8S (L2447503-08)	125	107	--	--			0
DUP (L2447503-09)	121	103	--	--			0
FIELD BLANK (L2447503-10)	118	100	--	--			0
EQUIPMENT BLANK (L2447503-11)	104	96	--	--			0
WG1963640-1BLANK	113	97	--	--			0
WG1963640-2LCS	110	111	--	--			0
WG1963640-3LCSD	109	109	--	--			0
MW-7SMS	126	264*	--	--			1
MW-7SMSD	112	265*	--	--			1
WG1964244-1BLANK	105	97	--	--			0
WG1964244-2LCS	109	161*	--	--			1
WG1964244-3LCSD	107	142	--	--			0

QC LIMITS
(30-150) S1 = DCAA

*** Values outside of QC limits**

FORM II HERB-APA

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963640-2 **Analysis Date** : 08/27/24 08:31	**File ID**	: 17240827a-03
LCSD Sample ID	: WG1963640-3 **Analysis Date** : 08/27/24 08:49	**File ID**	: 17240827a-04

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	5	6.52	130	5	6.26	125	4	30-150	25
2,4,5-T	5	7.00	140	5	6.54	131	7	30-150	25
2,4,5-TP (Silvex)	5	6.49	130	5	6.11	122	6	30-150	25

Laboratory Control Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1964244-2 **Analysis Date** : 08/28/24 12:59	**File ID**	: 22240827a-73
LCSD Sample ID	: WG1964244-3 **Analysis Date** : 08/28/24 13:17	**File ID**	: 22240827a-74

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	5	6.03	121	5	6.04	121	0	30-150	25
2,4,5-T	5	6.08	122	5	6.07	121	1	30-150	25
2,4,5-TP (Silvex)	5	5.71	114	5	5.96	119	4	30-150	25

Matrix Spike Sample Summary
Form 3
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/27/24 10:58
Matrix Spike	: WG1963640-6	**MS Analysis Date**	: 08/27/24 11:17
Matrix Spike Dup	: WG1963640-7	**MSD Analysis Date**	: 08/27/24 11:35

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
2,4-D	ND	5	6.72J	134	5	6.52J	130	3	30-150	25
2,4,5-T	ND	5	7.00	140	5	6.77	135	3	30-150	25
2,4,5-TP (Silvex)	ND	5	6.52	130	5	6.37	127	2	30-150	25

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963640-1	**Lab File ID**	: 17240827a-02
Matrix	: WATER	**Extraction Date**	: 08/25/24
Analysis Date (1)	: 08/27/24 08:13	**Analysis Date (2)**	: 08/27/24 08:13
Instrument ID (1)	: PEST17	**Instrument ID (2)**	: PEST17

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1963640-2LCS	WG1963640-2	08/27/24 08:31	08/27/24 08:31
WG1963640-3LCSD	WG1963640-3	08/27/24 08:49	08/27/24 08:49
MW-1S	L2447503-01	08/27/24 09:08	08/27/24 09:08
MW-2S	L2447503-02	08/27/24 09:26	08/27/24 09:26
MW-3S	L2447503-03	08/27/24 09:45	08/27/24 09:45
MW-4D	L2447503-04	08/27/24 10:03	08/27/24 10:03
MW-5S	L2447503-05	08/27/24 10:21	08/27/24 10:21
MW-6D	L2447503-06	08/27/24 10:40	08/27/24 10:40
MW-7S	L2447503-07	08/27/24 10:58	08/27/24 10:58
MW-7SMS	WG1963640-6	08/27/24 11:17	08/27/24 11:17
MW-7SMSD	WG1963640-7	08/27/24 11:35	08/27/24 11:35
MW-8S	L2447503-08	08/27/24 11:53	08/27/24 11:53
DUP	L2447503-09	08/27/24 12:12	08/27/24 12:12
FIELD BLANK	L2447503-10	08/27/24 12:30	08/27/24 12:30

Method Blank Summary
Form 4
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1964244-1	**Lab File ID**	: 22240827a-72
Matrix	: WATER	**Extraction Date**	: 08/27/24
Analysis Date (1)	: 08/28/24 12:40	**Analysis Date (2)**	: 08/28/24 12:40
Instrument ID (1)	: PEST22	**Instrument ID (2)**	: PEST22

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1964244-2LCS	WG1964244-2	08/28/24 12:59	08/28/24 12:59
WG1964244-3LCSD	WG1964244-3	08/28/24 13:17	08/28/24 13:17
EQUIPMENT BLANK	L2447503-11	08/28/24 13:55	08/28/24 13:55

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST22	**Initial Calib. Date(s)**	: 07/16/24 07/16/24

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1853708-1	07/16/24 15:28
Herbicides L2	R1853708-2	07/16/24 15:47
Herbicides L3	R1853708-3	07/16/24 16:06
Herbicides L4	R1853708-4	07/16/24 16:24
Herbicides L5	R1853708-5	07/16/24 16:43
Herbicides L6	R1853708-6	07/16/24 17:01
R1853708-7 ICV	R1853708-7	07/16/24 17:20
WG1964358-6 CCAL	WG1964358-6	08/28/24 10:49
WG1964244-1 BLANK	WG1964244-1	08/28/24 12:40
WG1964244-2 LCS	WG1964244-2	08/28/24 12:59
WG1964244-3 LCSD	WG1964244-3	08/28/24 13:17
EQUIPMENT BLANK	L2447503-11	08/28/24 13:55

Analytical Sequence
Form 8b
Pesticides

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST17	**Initial Calib. Date(s)**	: 07/12/24 07/12/24

Client ID	Lab ID	Date/Time Analyzed
Herbicides L1	R1852944-1	07/12/24 14:41
Herbicides L2	R1852944-2	07/12/24 14:59
Herbicides L3	R1852944-3	07/12/24 15:18
Herbicides L4	R1852944-4	07/12/24 15:36
Herbicides L5	R1852944-5	07/12/24 15:54
Herbicides L6	R1852944-6	07/12/24 16:13
R1852944-7 ICV	R1852944-7	07/12/24 16:31
WG1964271-1 CCAL	WG1964271-1	08/27/24 06:09
WG1963640-1 BLANK	WG1963640-1	08/27/24 08:13
WG1963640-2 LCS	WG1963640-2	08/27/24 08:31
WG1963640-3 LCSD	WG1963640-3	08/27/24 08:49
MW-1S	L2447503-01	08/27/24 09:08
MW-2S	L2447503-02	08/27/24 09:26
MW-3S	L2447503-03	08/27/24 09:45
MW-4D	L2447503-04	08/27/24 10:03
MW-5S	L2447503-05	08/27/24 10:21
MW-6D	L2447503-06	08/27/24 10:40
MW-7S	L2447503-07	08/27/24 10:58
MW-7S MS	WG1963640-6	08/27/24 11:17
MW-7S MSD	WG1963640-7	08/27/24 11:35
MW-8S	L2447503-08	08/27/24 11:53
DUP	L2447503-09	08/27/24 12:12
FIELD BLANK	L2447503-10	08/27/24 12:30

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14024-1
Page: 1

Herbicides -EPA 8151A Long List (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	500	58.5	ug/l	30-150	25	30-150	25	25			
MCPA	94-74-6	500	63.2	ug/l	30-150	25	30-150	25	25			
Dalapon	75-99-0	20	0.81	ug/l	30-150	25	30-150	25	25			
Dicamba	1918-00-9	1	0.243	ug/l	30-150	25	30-150	25	25			
Dichloroprop	120-36-5	10	0.564	ug/l	30-150	25	30-150	25	25			
2,4-D	94-75-7	10	0.498	ug/l	30-150	25	30-150	25	25			
2,4-DB	94-82-6	10	0.729	ug/l	30-150	25	30-150	25	25			
2,4,5-T	93-76-5	2	0.531	ug/l	30-150	25	30-150	25	25			
2,4,5-TP (Silvex)	93-72-1	2	0.539	ug/l	30-150	25	30-150	25	25			
Dinoseb	88-85-7	5	0.573	ug/l	30-150	25	30-150	25	25			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14022-1
Page: 1

Herbicides -EPA 8151A Long List (SOIL)

Holding Time: 14 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
MCPP	93-65-2	3.33	1.04895	mg/kg	30-150	30	30-150	30	30			
MCPA	94-74-6	3.33	0.94239	mg/kg	30-150	30	30-150	30	30			
Dalapon	75-99-0	0.0333	0.0108891	mg/kg	30-150	30	30-150	30	30			
Dicamba	1918-00-9	0.0333	0.0055944	mg/kg	30-150	30	30-150	30	30			
Dichloroprop	120-36-5	0.0333	0.0095571	mg/kg	30-150	30	30-150	30	30			
2,4-D	94-75-7	0.1665	0.0104895	mg/kg	30-150	30	30-150	30	30			
2,4-DB	94-82-6	0.1665	0.0085581	mg/kg	30-150	30	30-150	30	30			
2,4,5-T	93-76-5	0.1665	0.0051615	mg/kg	30-150	30	30-150	30	30			
2,4,5-TP (Silvex)	93-72-1	0.1665	0.0044289	mg/kg	30-150	30	30-150	30	30			
DCAA	*19719-28-9*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Herbicide Sample Data

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:08
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-05	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:26
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-06	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 09:45
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-07	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:03
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-08	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:21
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-09	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:40
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-10	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 10:58
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-11	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 11:53
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-14	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:12
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-15	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:30
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-16	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/28/24 13:55
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240827a-76	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963640-1	**Date Collected**	: NA
Client ID	: WG1963640-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/27/24 08:13
Sample Matrix	: WATER	**Date Extracted**	: 08/25/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 17240827a-02	**Analyst**	: JAG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST17
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Results Summary
Form 1
Chlorinated Herbicides by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1964244-1	**Date Collected**	: NA
Client ID	: WG1964244-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/28/24 12:40
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8151A	**Dilution Factor**	: 1
Lab File ID	: 22240827a-72	**Analyst**	: MMG
Sample Amount	: 1000 ml	**Instrument ID**	: PEST22
Extraction Method	: EPA 8151A	**GC Column**	: STX-CLP1
Extract Volume	: 10000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: N		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
94-75-7	2,4-D	ND	10.0	0.498	U
93-76-5	2,4,5-T	ND	2.00	0.531	U
93-72-1	2,4,5-TP (Silvex)	ND	2.00	0.539	U

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-76.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:55
Operator : pest22:mmg
Sample : L2447503-11,42,,
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:12:02 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	876.5E6	1036.7E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1243823131				Recovery =	70.47%	
Standard Area 1 : #2 = 1444515032				Recovery =	71.77%	
System Monitoring Compounds						
3) s DCAA (surrog	6.953	7.410	355.2E6	387.5E6	0.522M3	0.481M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	104.40%	96.20%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

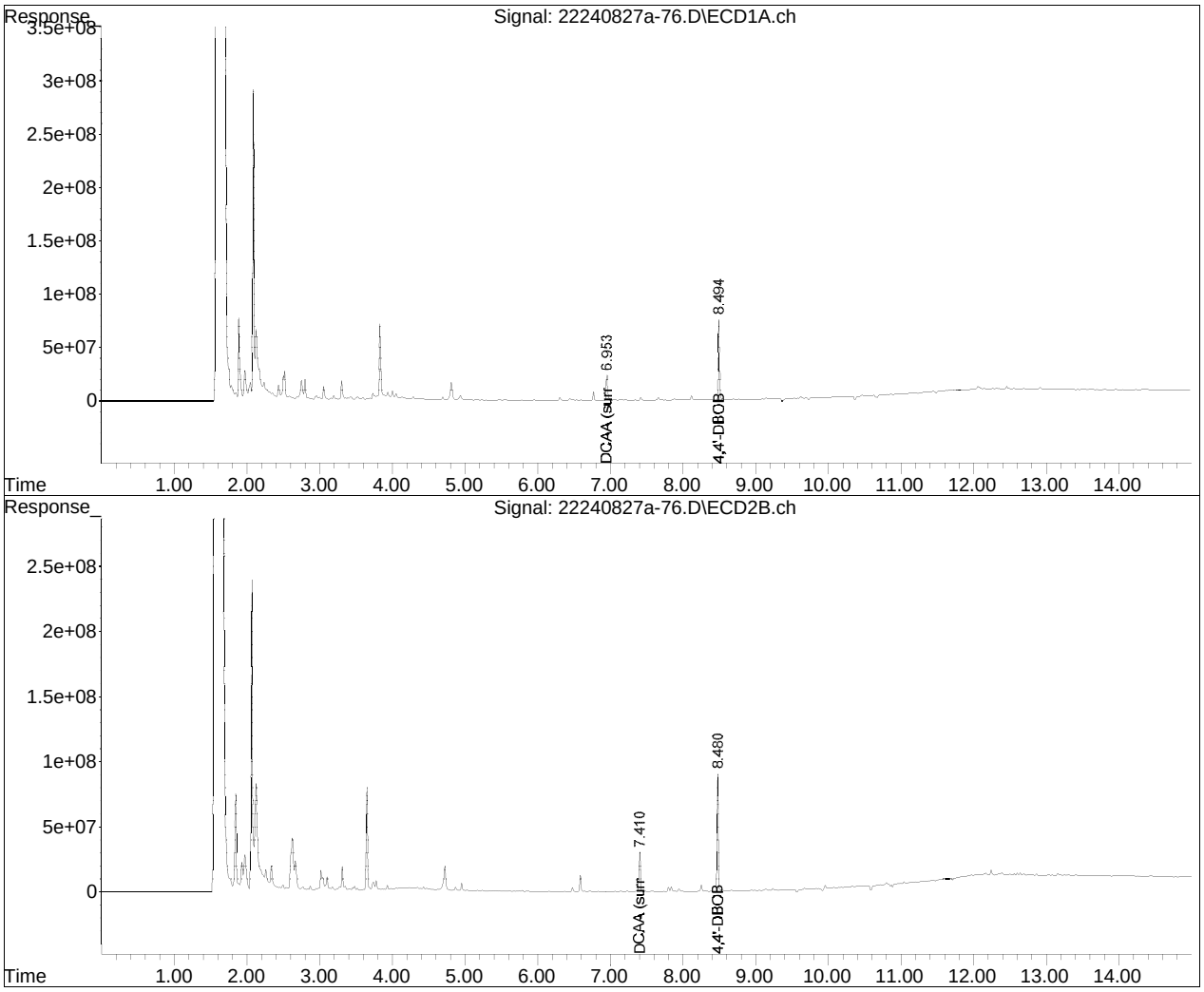
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-76.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:55
Operator : pest22:mmg
Sample : L2447503-11,42,,
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 14:12:02 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

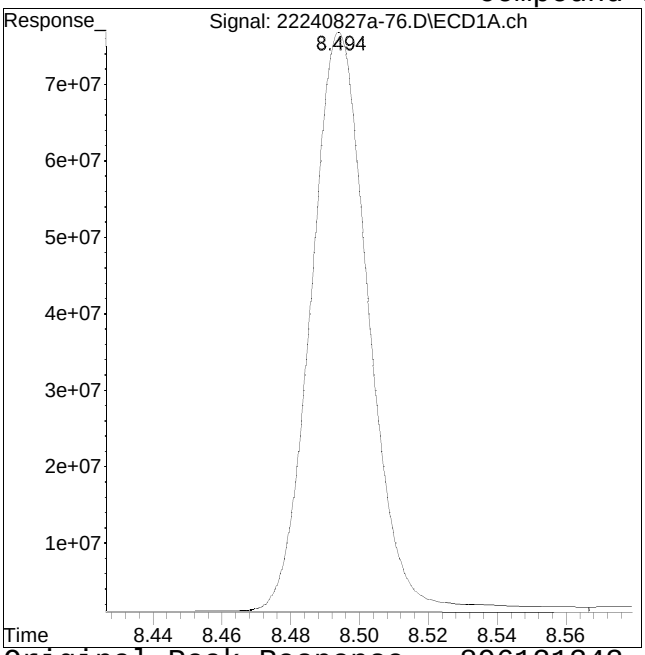
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



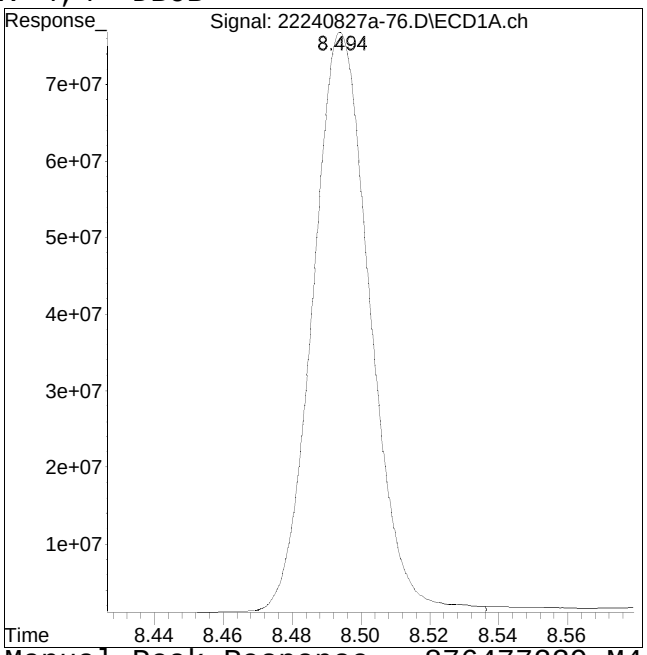
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-76.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:55 Instrument : Pest22
Sample : L2447503-11,42,, Quant Date : 8/28/2024 2:12 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 896121343



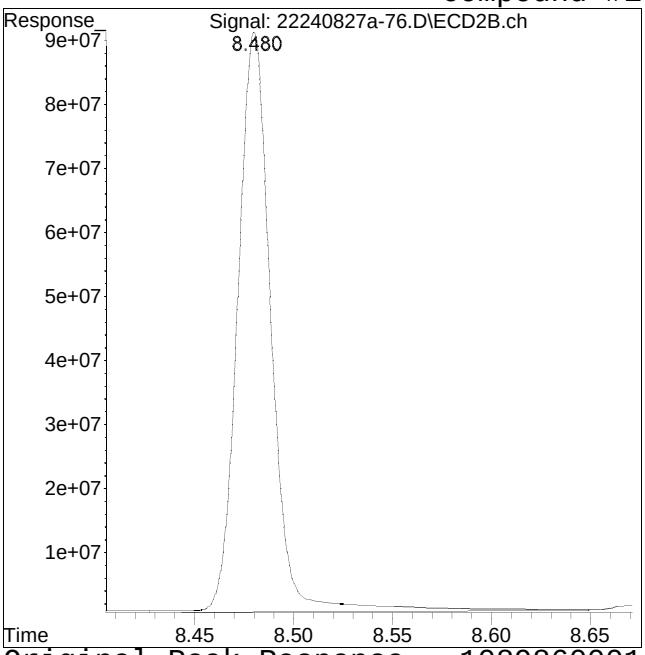
Manual Peak Response = 876477239 M4

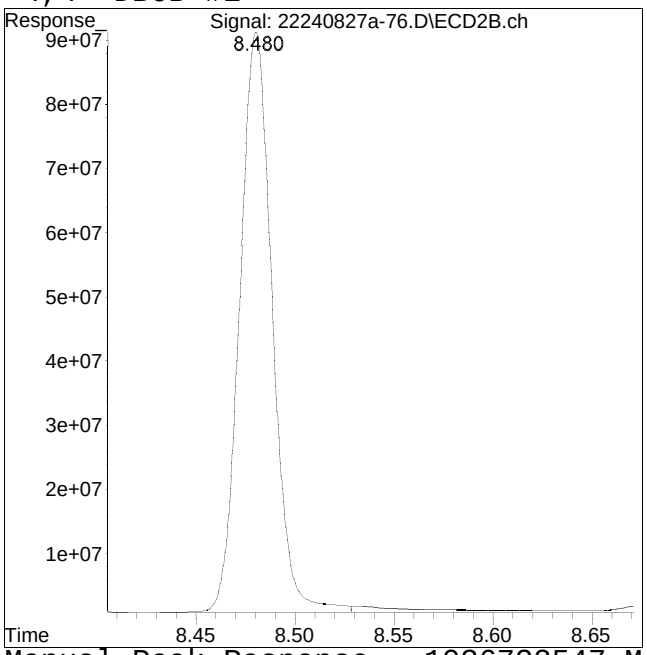
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-76.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:55 Instrument : Pest22
Sample : L2447503-11,42,, Quant Date : 8/28/2024 2:12 pm

Compound #14: 4,4'-DBOB #2



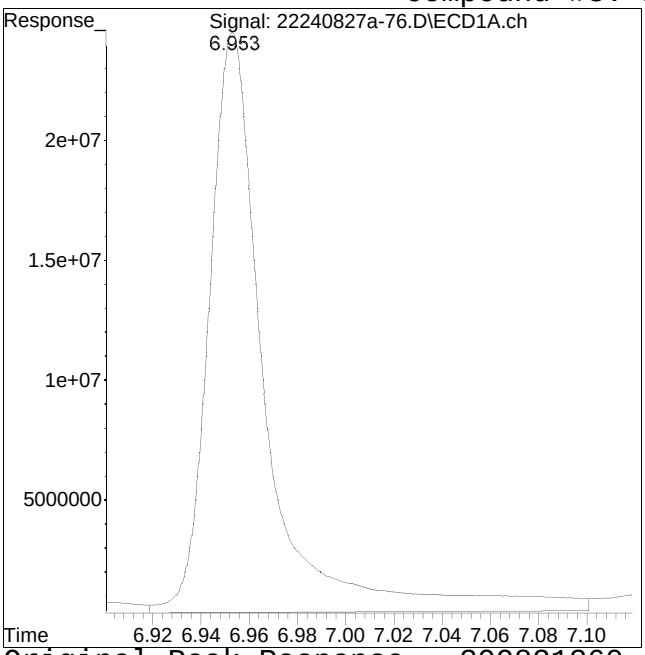


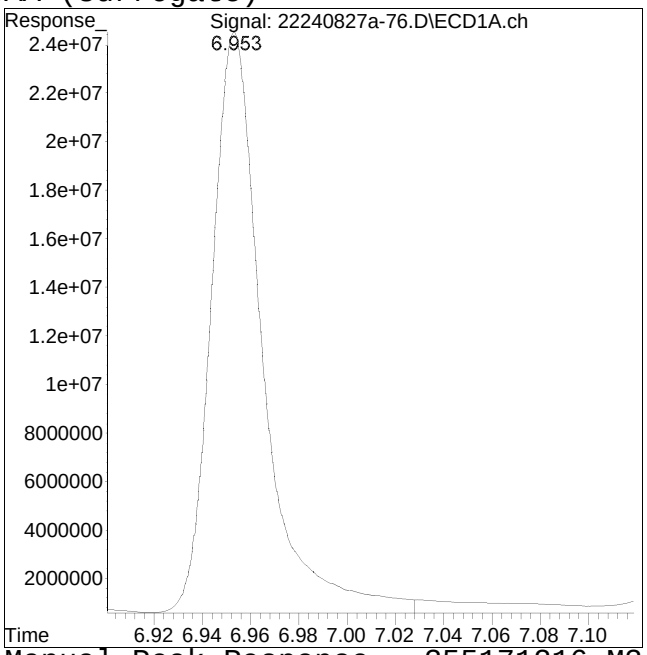
Original Peak Response = 1089860001 Manual Peak Response = 1036732547 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-76.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:55 Instrument : Pest22
Sample : L2447503-11,42,, Quant Date : 8/28/2024 2:12 pm

Compound #3: DCAA (surrogate)



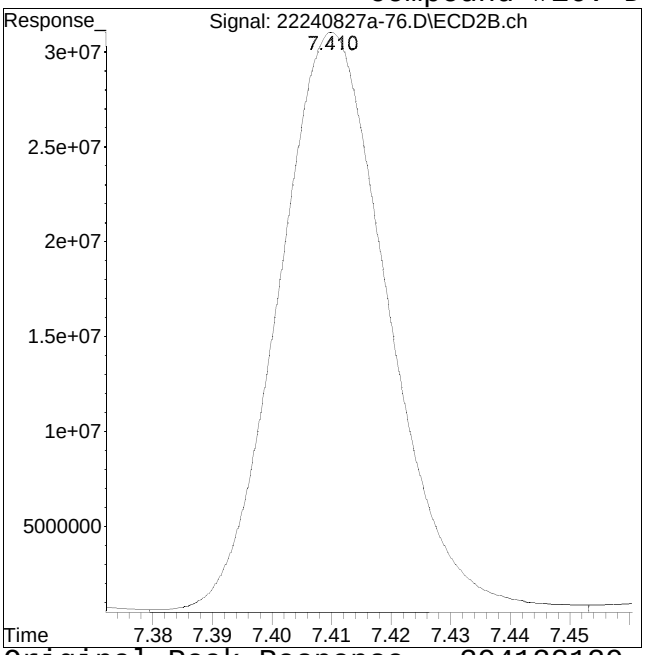


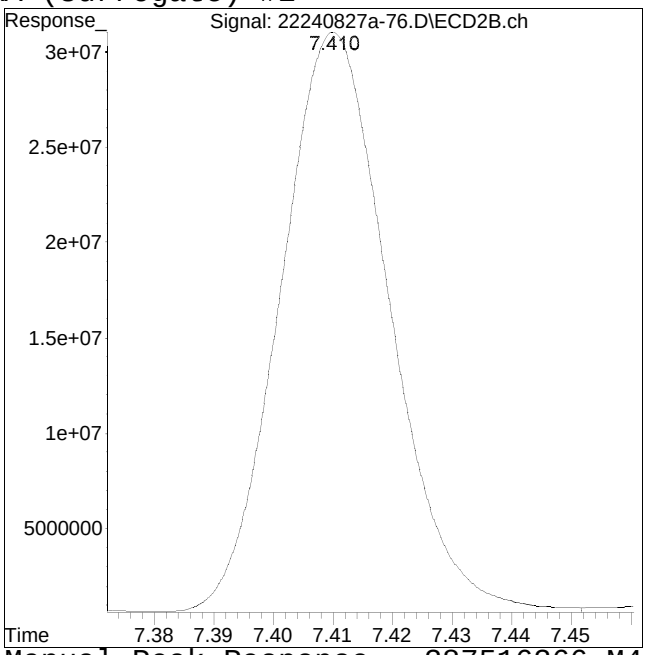
Original Peak Response = 399821360 Manual Peak Response = 355171216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-76.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:55 Instrument : Pest22
Sample : L2447503-11,42,, Quant Date : 8/28/2024 2:12 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 394122129 Manual Peak Response = 387516366 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:08
Operator : PEST17:jag
Sample : L2447503-01,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:07 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	515.8E6	490.1E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	77.11%	
Standard Area 1 : #2 = 630488988				Recovery =	77.74%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	213.2E6	237.8E6	0.629M4	0.595M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	125.80%	119.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

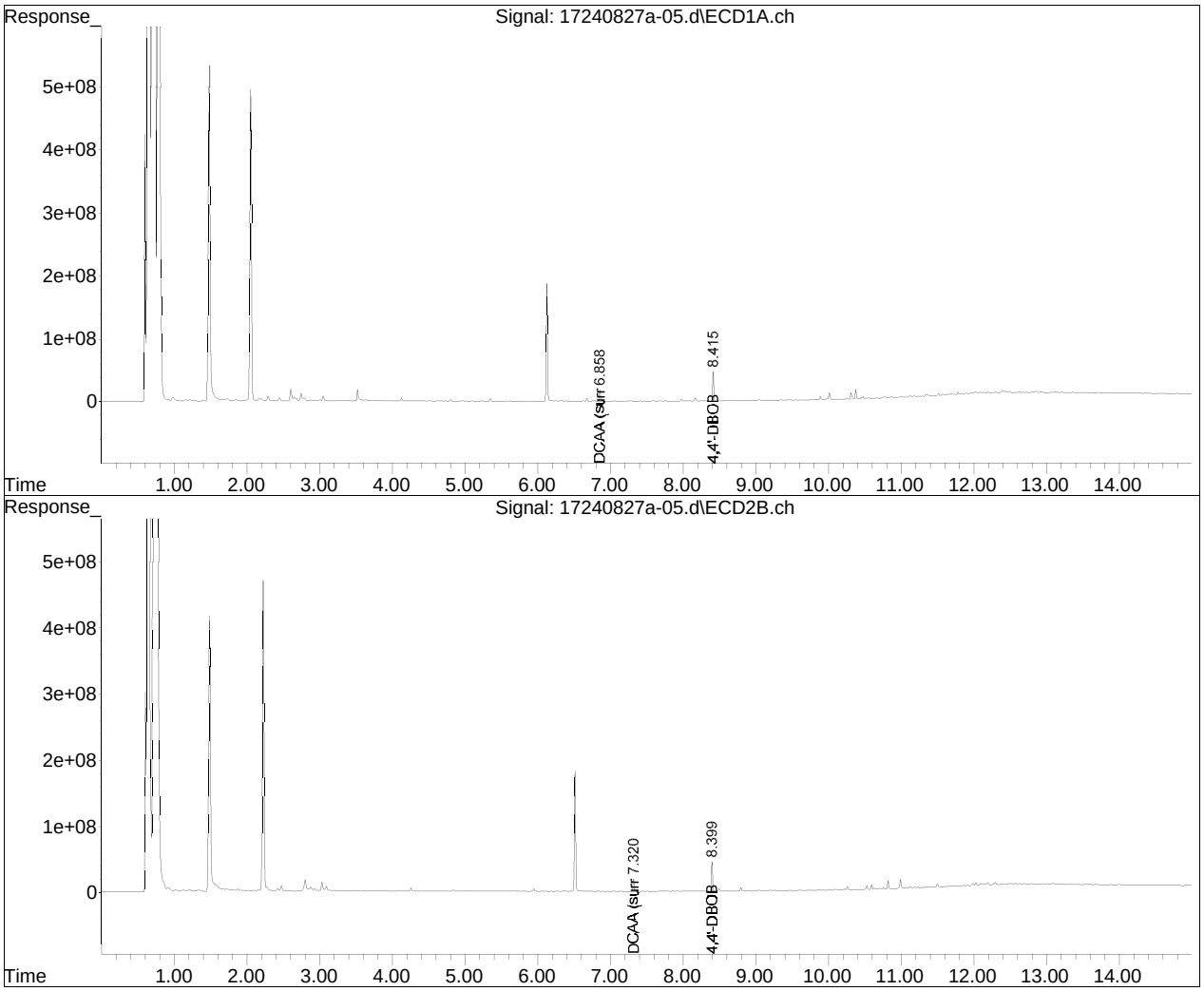
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:08
Operator : PEST17:jag
Sample : L2447503-01,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:07 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

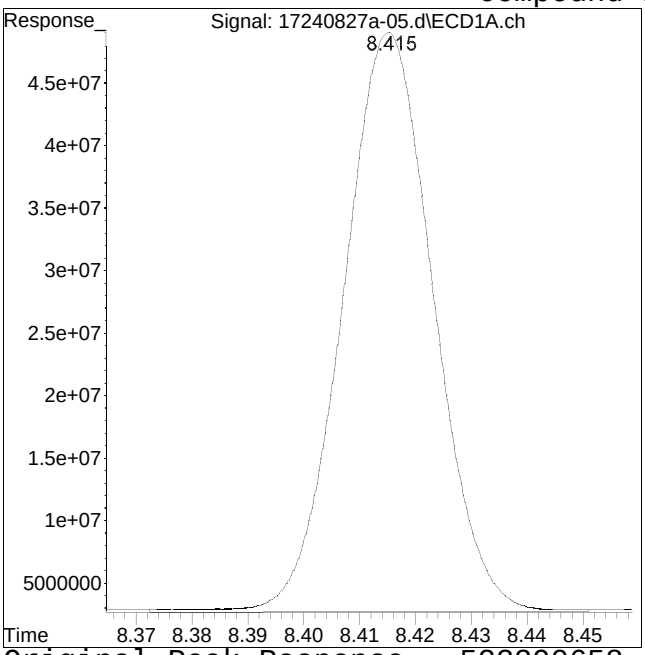
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

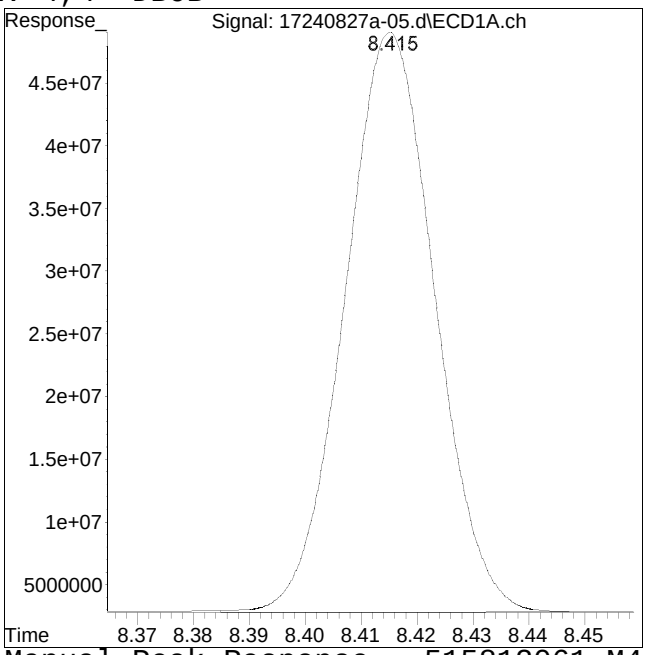


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-05.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:08 Instrument : Pest 17
Sample : L2447503-01,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



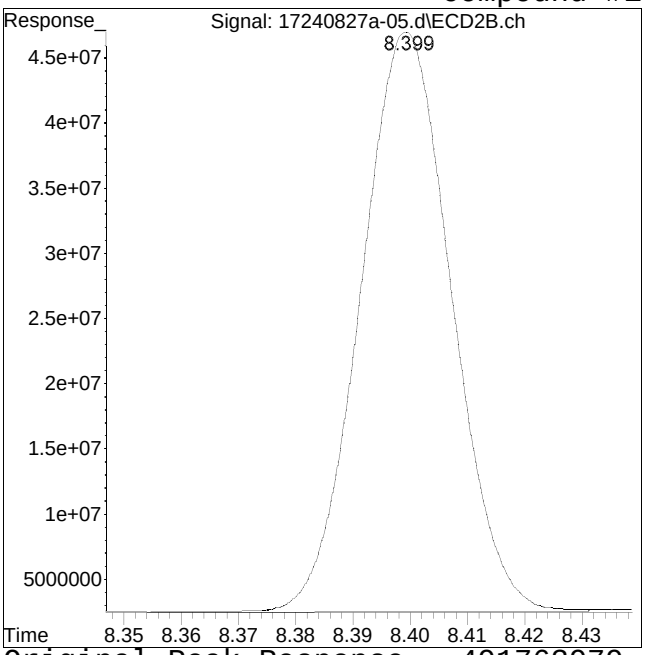


Original Peak Response = 523390658 Manual Peak Response = 515812061 M4
M4 = Poor automated baseline construction.

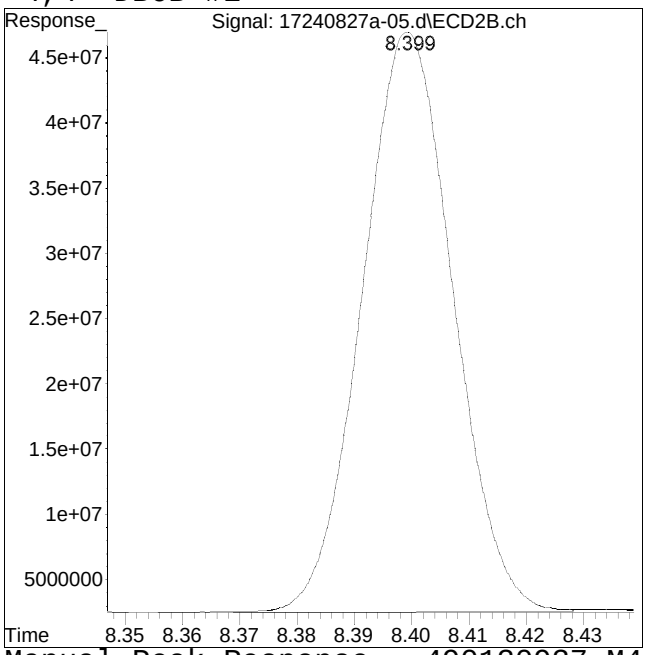
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-05.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:08 Instrument : Pest 17
Sample : L2447503-01,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 491763979



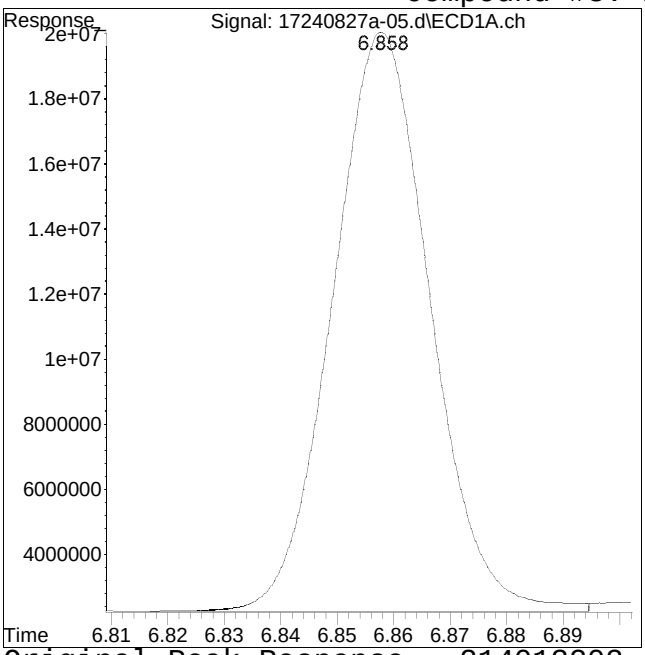
Manual Peak Response = 490130937 M4

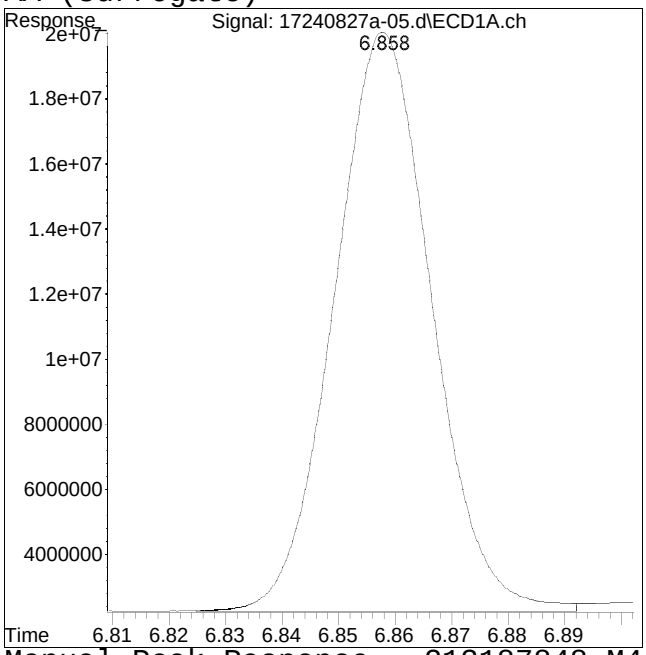
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-05.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:08 Instrument : Pest 17
Sample : L2447503-01,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



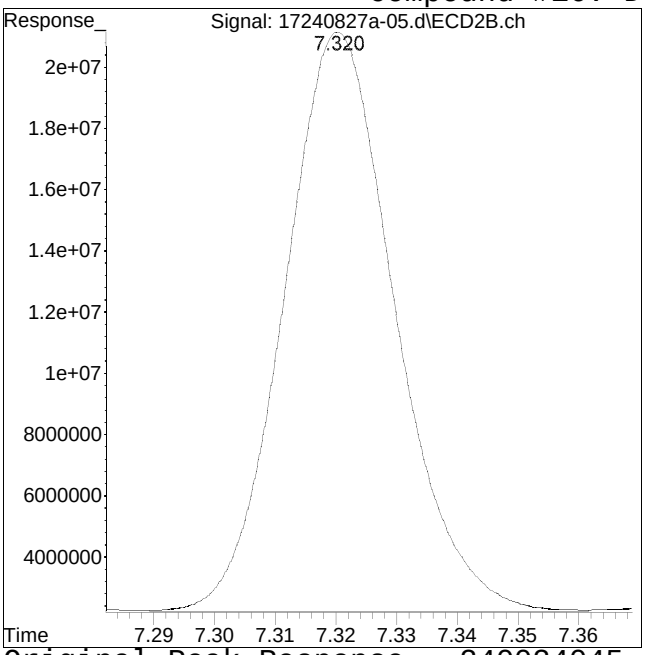


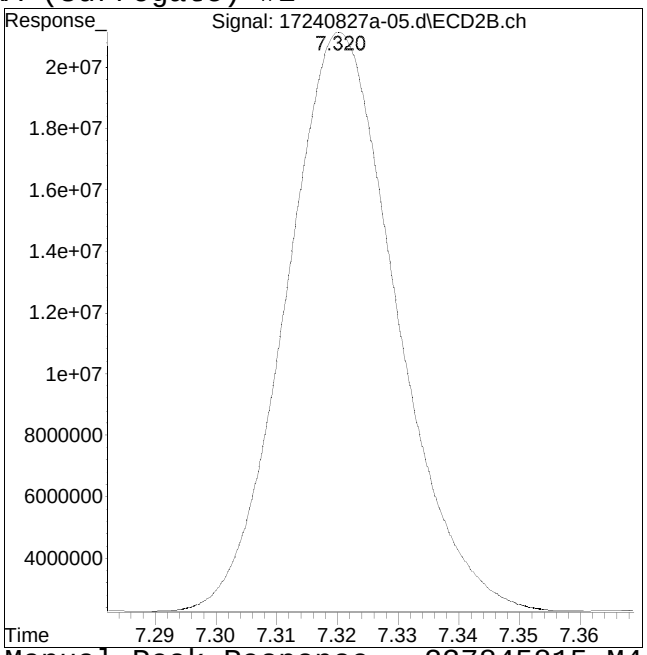
Original Peak Response = 214013202 Manual Peak Response = 213187848 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-05.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:08 Instrument : Pest 17
Sample : L2447503-01,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 240024045 Manual Peak Response = 237845815 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:26
Operator : PEST17:jag
Sample : L2447503-02,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:09 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	548.6E6	525.0E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	82.01%	
Standard Area 1 : #2 = 630488988				Recovery =	83.28%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	213.2E6	217.8E6	0.592	0.508M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	118.40%	101.60%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

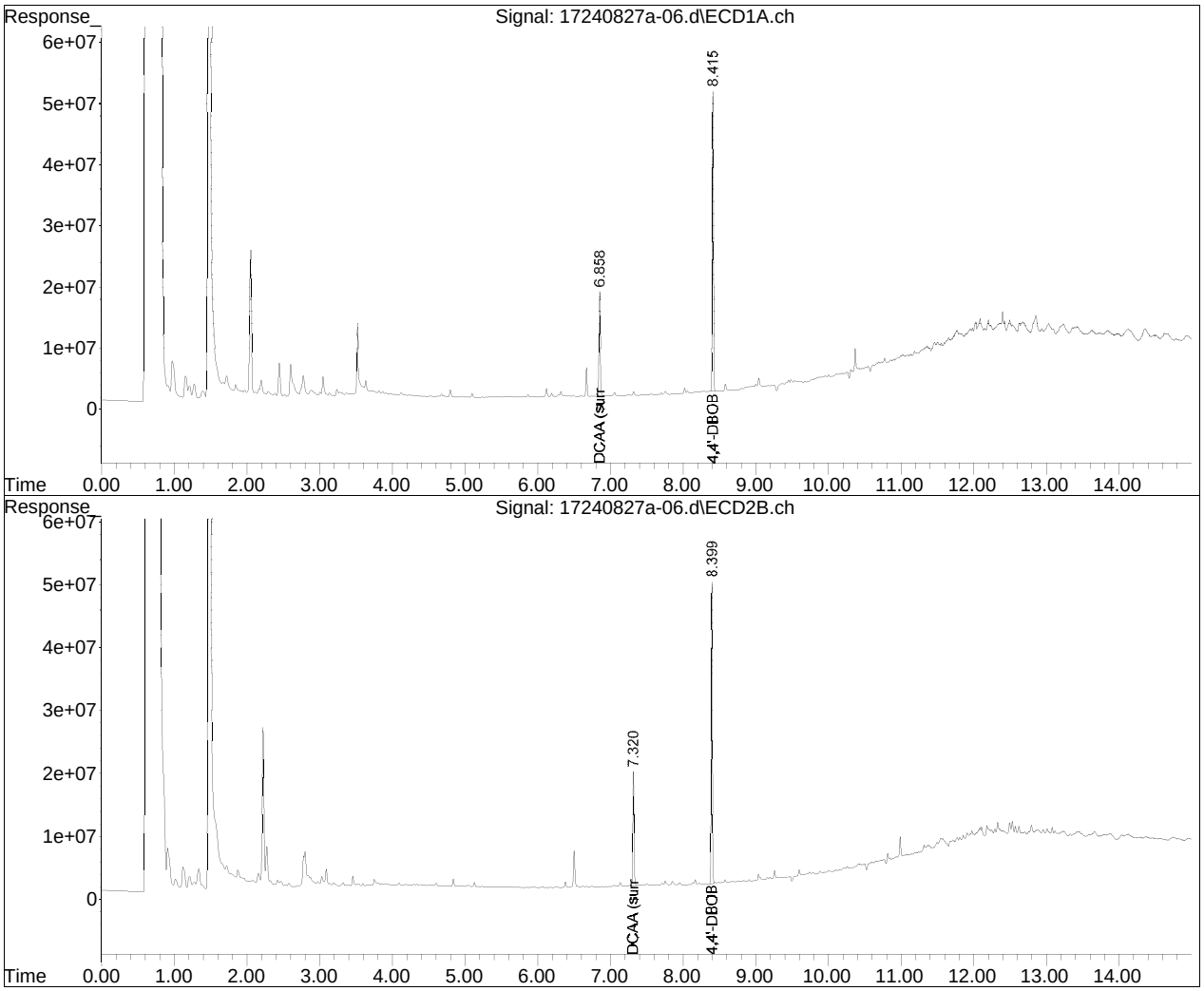
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:26
Operator : PEST17:jag
Sample : L2447503-02,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:09 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

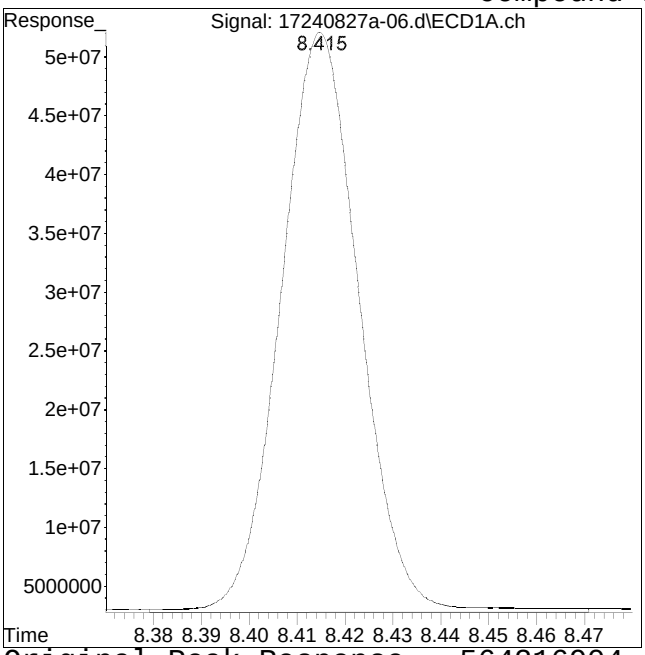
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



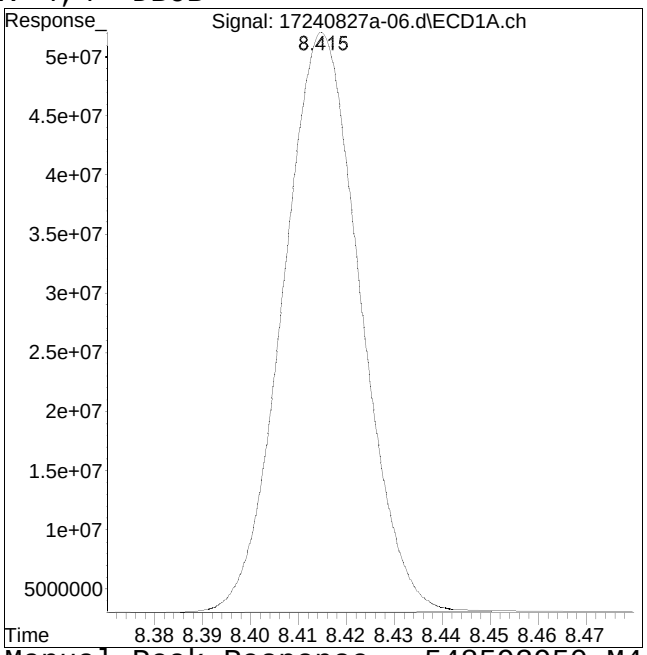
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-06.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:26 Instrument : Pest 17
Sample : L2447503-02,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 564216904



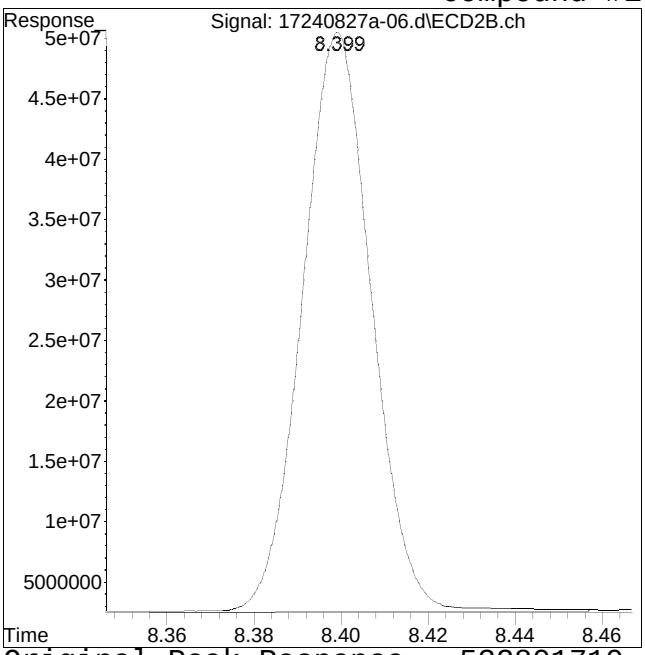
Manual Peak Response = 548593950 M4

M4 = Poor automated baseline construction.

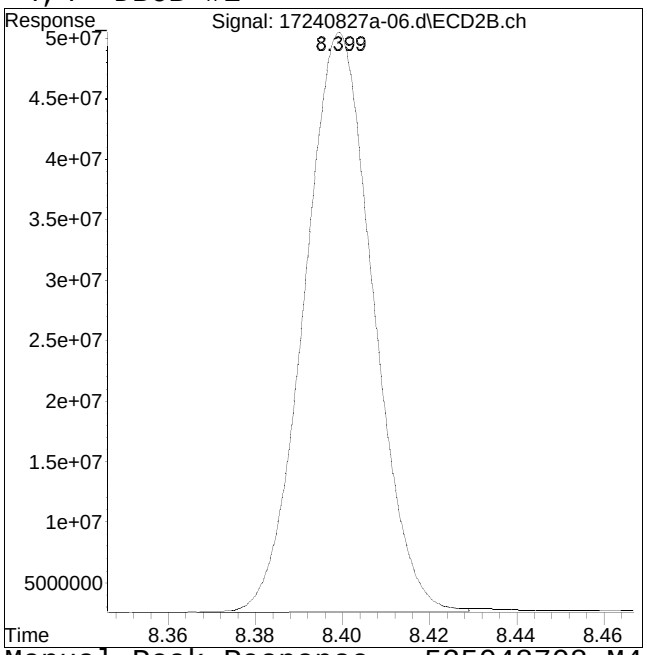
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-06.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:26 Instrument : Pest 17
Sample : L2447503-02,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 532801710



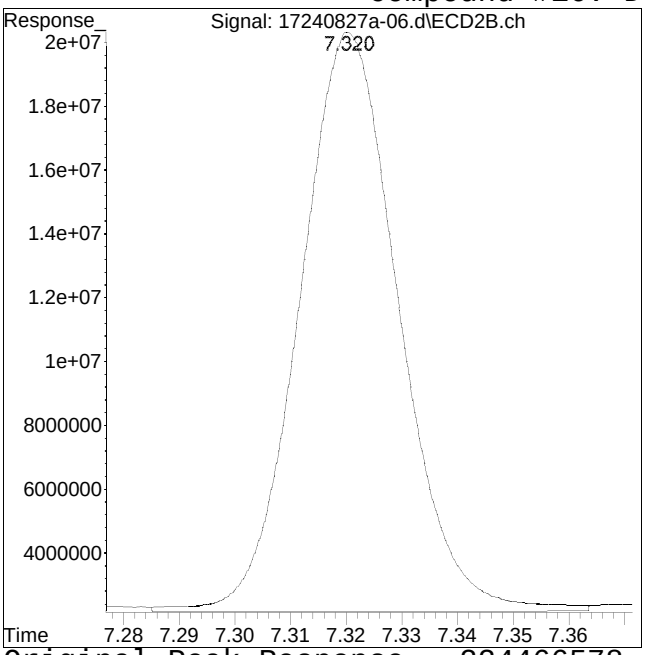
Manual Peak Response = 525048708 M4

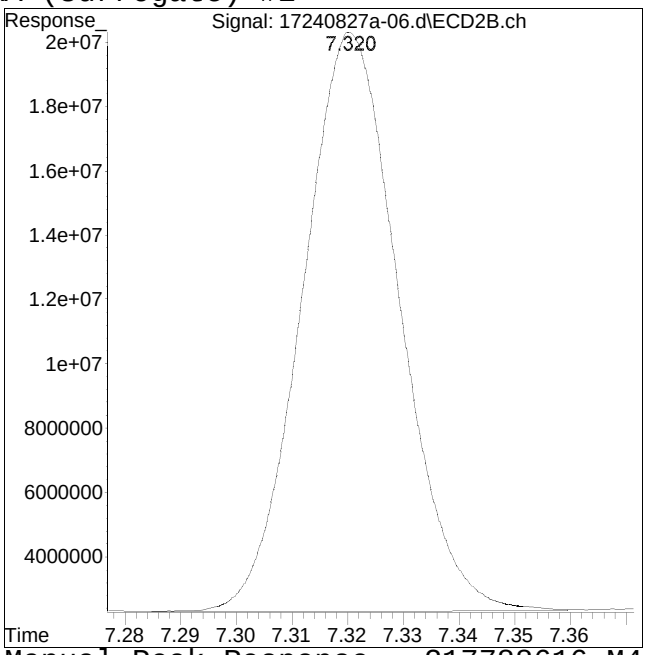
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-06.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:26 Instrument : Pest 17
Sample : L2447503-02,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 224466578 Manual Peak Response = 217788616 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:45
Operator : PEST17:jag
Sample : L2447503-03,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:11 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.414	8.399	523.3E6	498.4E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	78.23%	
Standard Area 1 : #2 = 630488988				Recovery =	79.05%	
System Monitoring Compounds						
3) s DCAA (surrog	6.857	7.320	188.1E6	193.6E6	0.547M4	0.476M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	109.40%	95.20%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

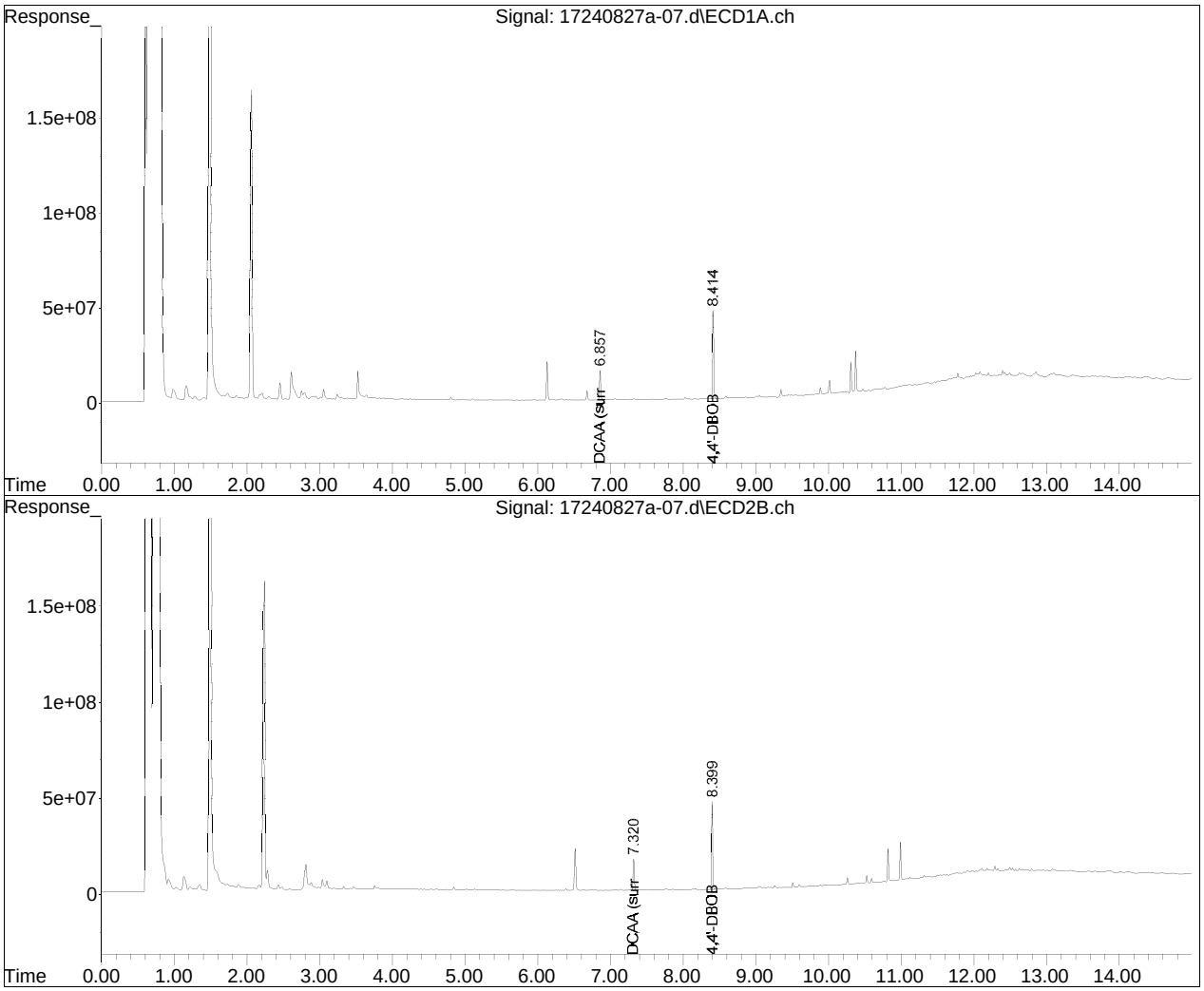
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 9:45
Operator : PEST17:jag
Sample : L2447503-03,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:11 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

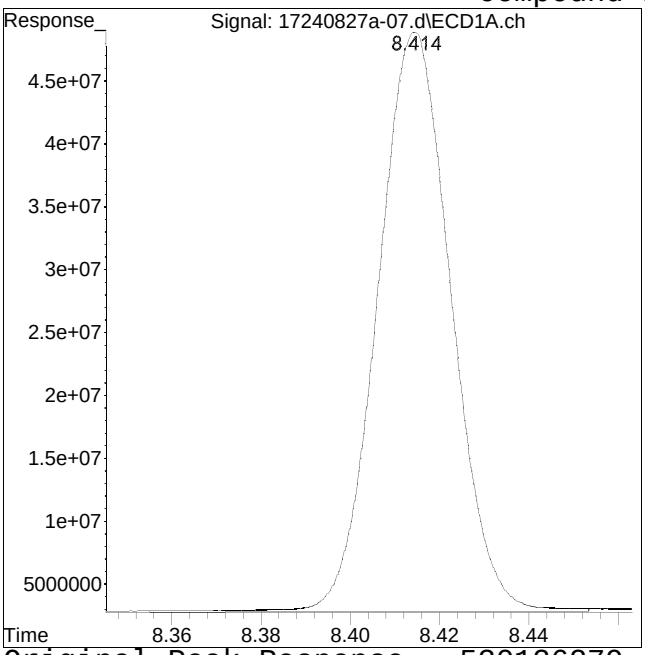
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

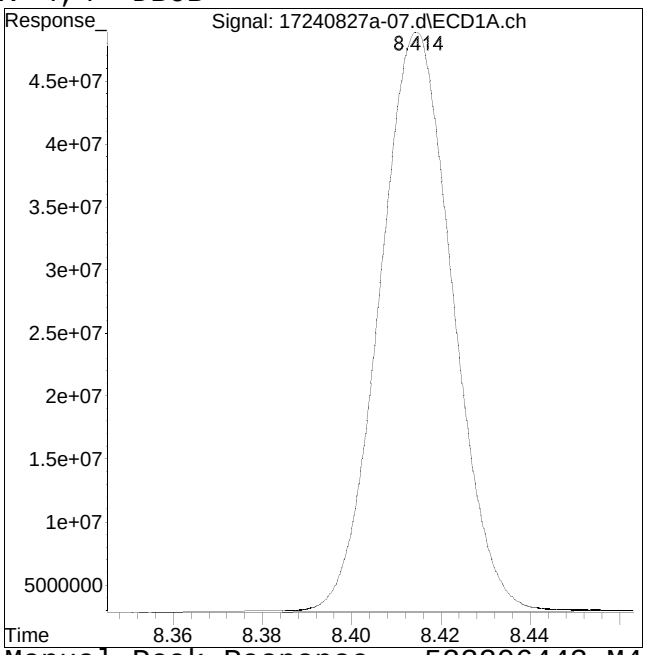


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-07.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:45 Instrument : Pest 17
Sample : L2447503-03,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



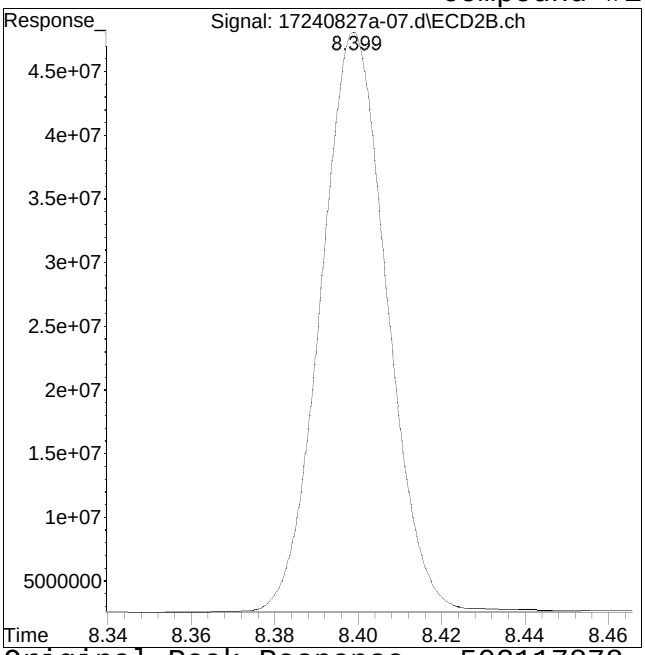


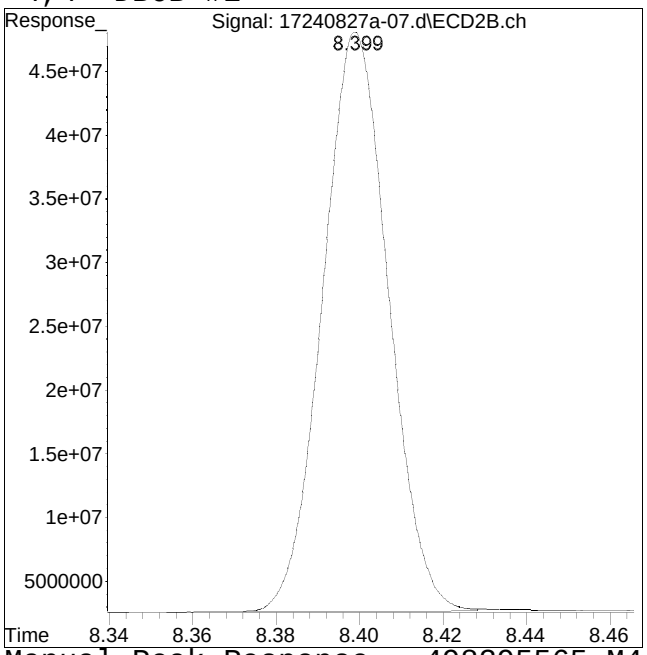
Original Peak Response = 530126279 Manual Peak Response = 523306443 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-07.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:45 Instrument : Pest 17
Sample : L2447503-03,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



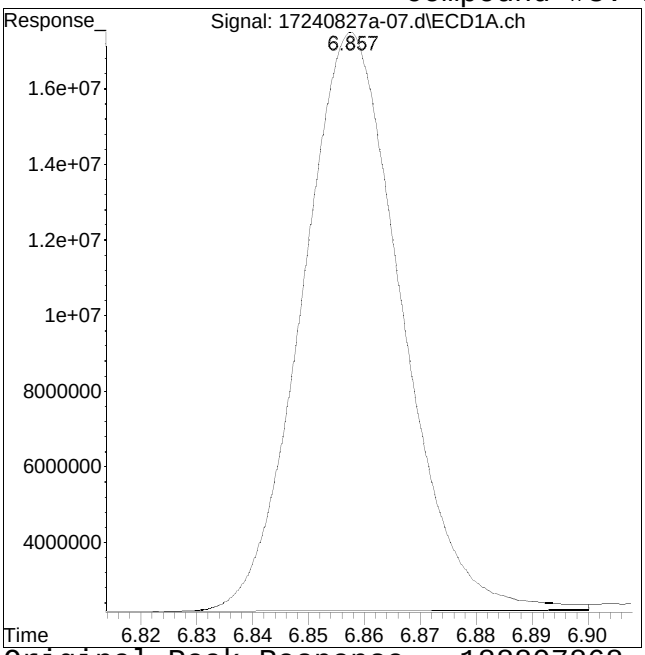


Original Peak Response = 503117878 Manual Peak Response = 498395565 M4
M4 = Poor automated baseline construction.

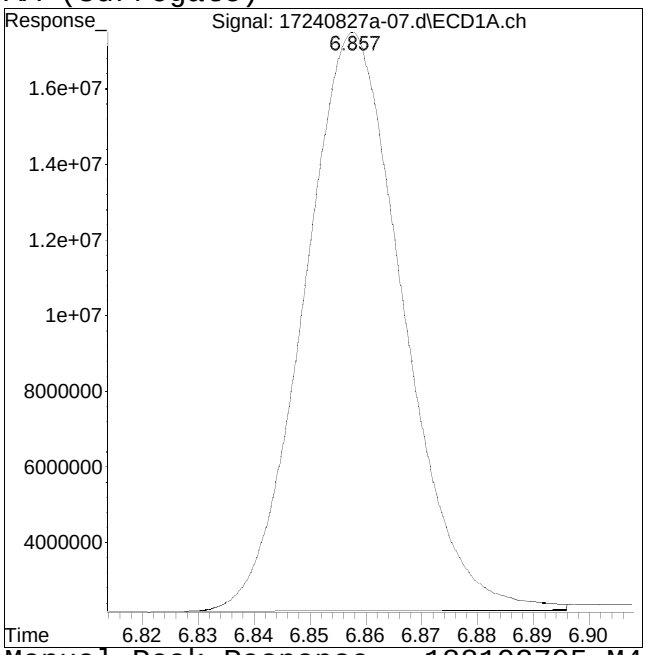
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-07.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:45 Instrument : Pest 17
Sample : L2447503-03,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 188807868



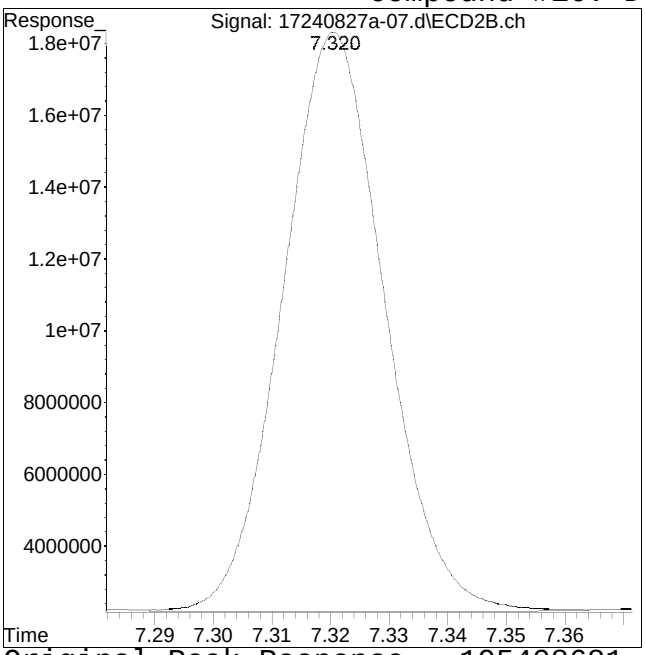
Manual Peak Response = 188102795 M4

M4 = Poor automated baseline construction.

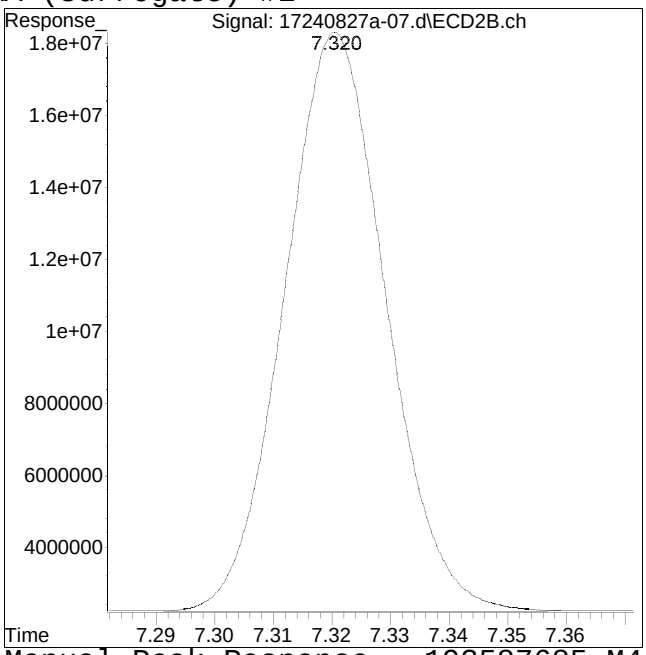
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-07.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 9:45 Instrument : Pest 17
Sample : L2447503-03,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 195408681



Manual Peak Response = 193587685 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:03
Operator : PEST17:jag
Sample : L2447503-04,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:13 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	556.9E6	535.2E6	0.250M4	0.250M3
Standard Area 1 : #1 = 668945640				Recovery =	83.25%	
Standard Area 1 : #2 = 630488988				Recovery =	84.88%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.320	207.8E6	211.7E6	0.568M3	0.485M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	113.60%	97.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

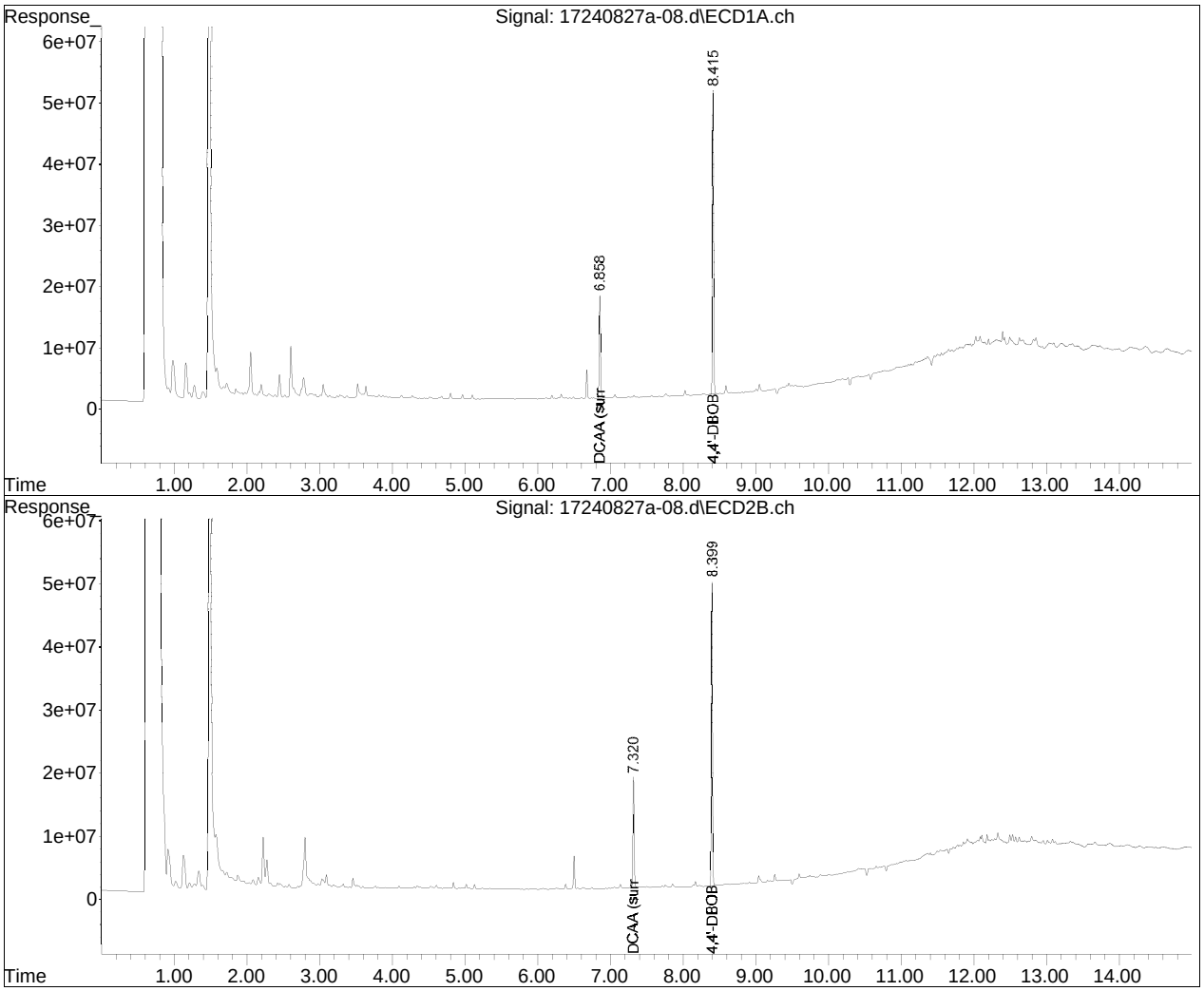
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:03
Operator : PEST17:jag
Sample : L2447503-04,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:13 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

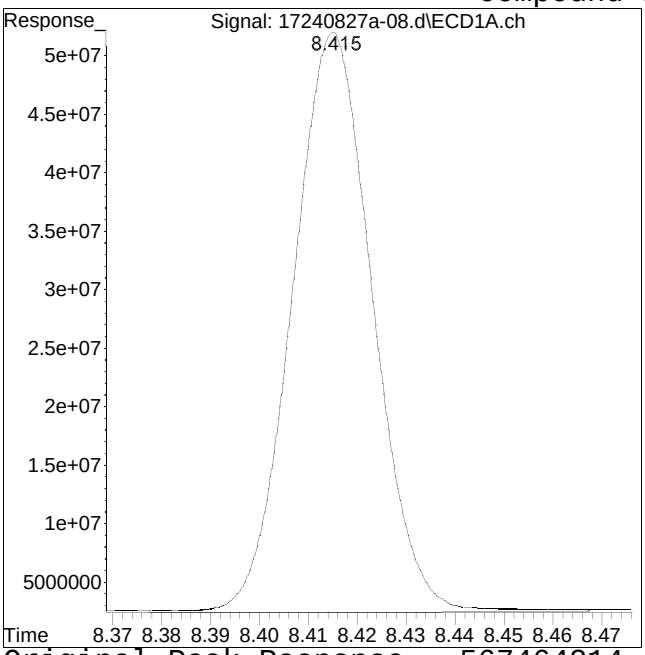
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

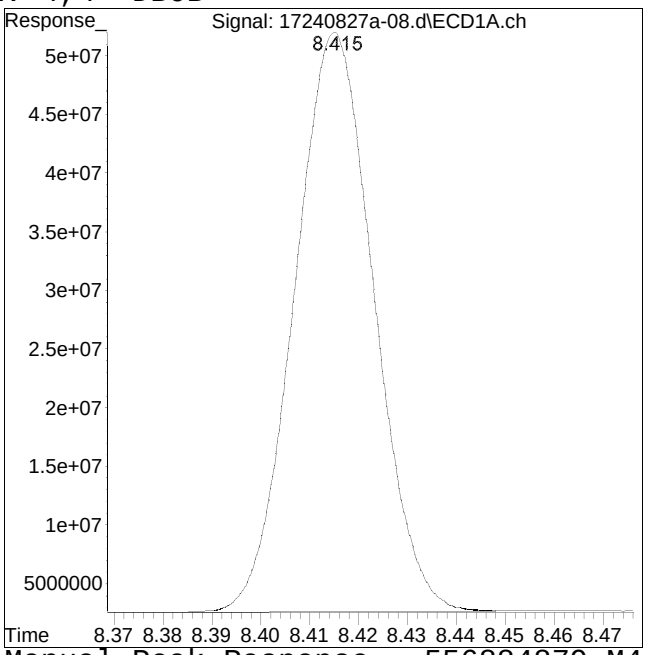


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-08.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:03 Instrument : Pest 17
Sample : L2447503-04,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



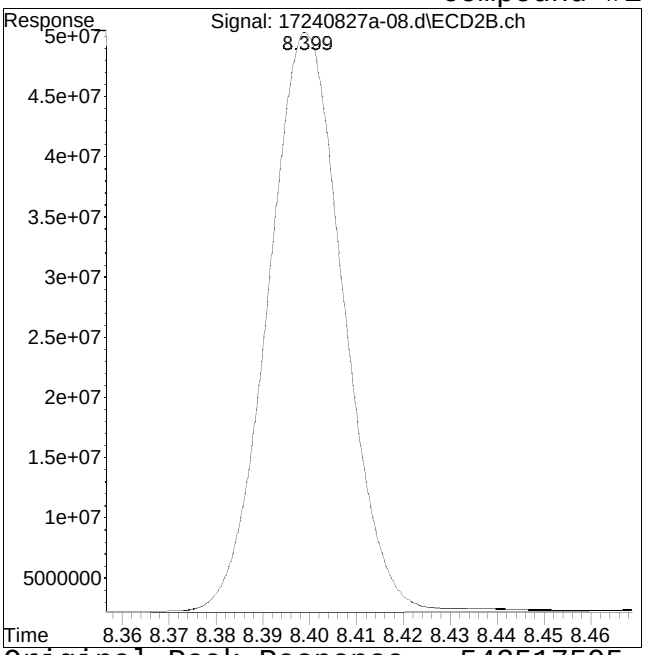


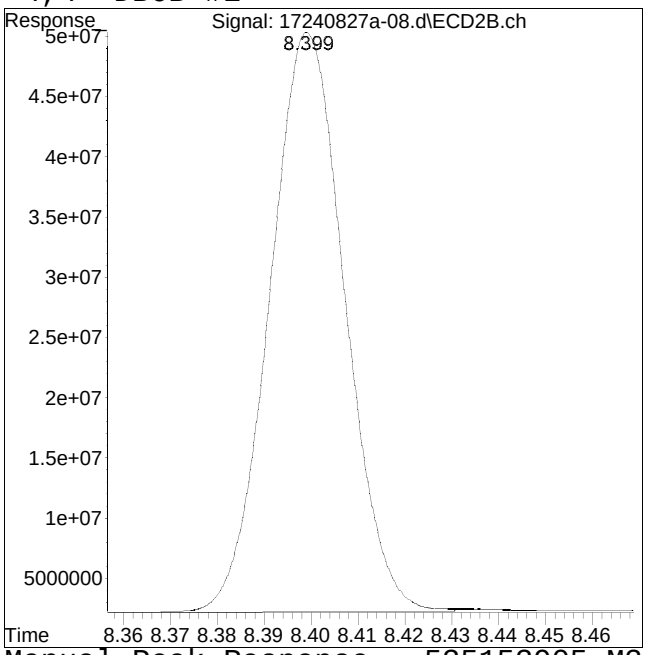
Original Peak Response = 567464214 Manual Peak Response = 556884879 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-08.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:03 Instrument : Pest 17
Sample : L2447503-04,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



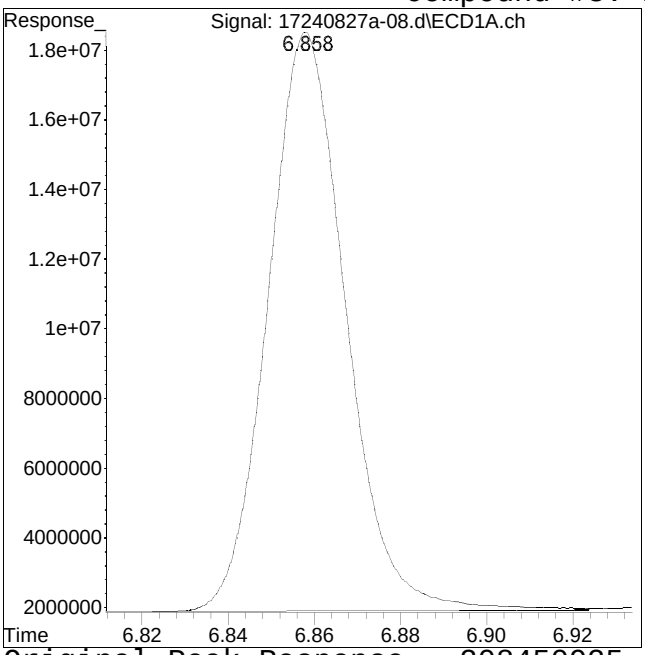


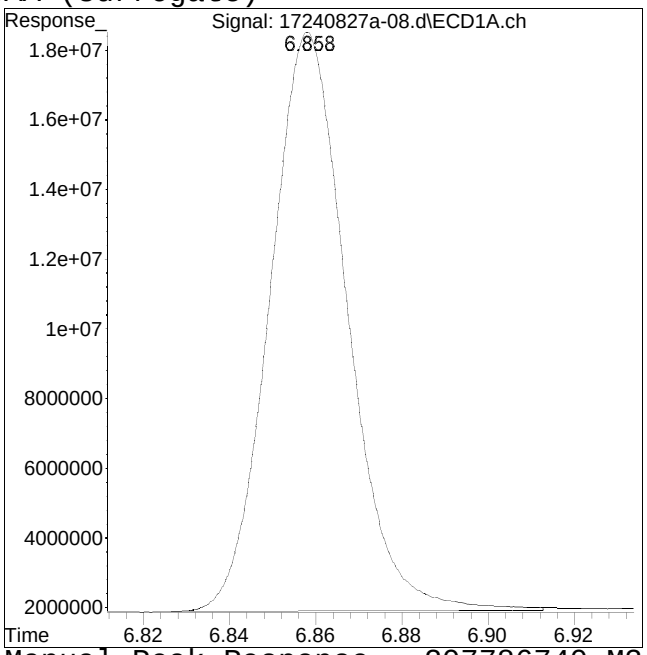
Original Peak Response = 542517505 Manual Peak Response = 535153905 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-08.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:03 Instrument : Pest 17
Sample : L2447503-04,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



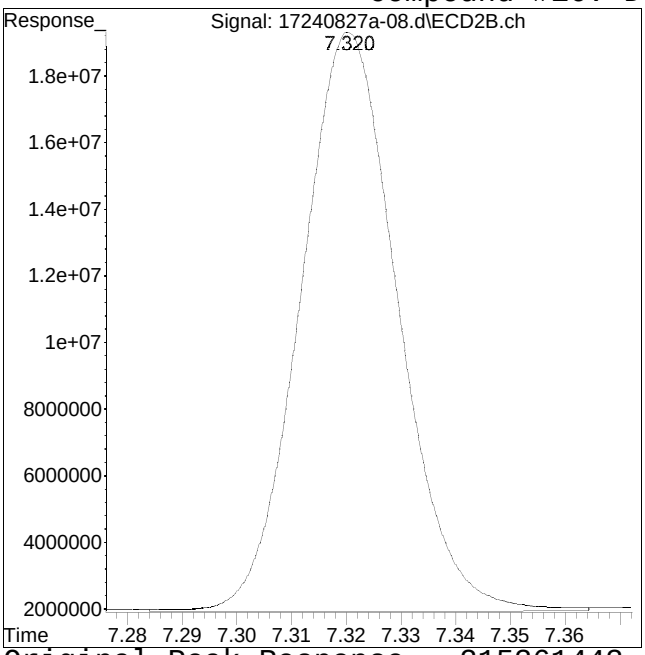


Original Peak Response = 208450925 Manual Peak Response = 207786740 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

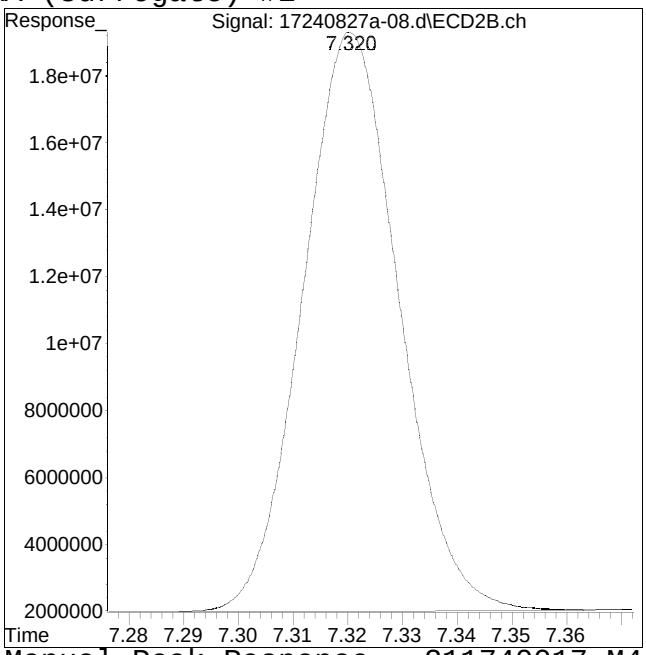
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-08.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:03 Instrument : Pest 17
Sample : L2447503-04,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 215361443



Manual Peak Response = 211740017 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:21
Operator : PEST17:jag
Sample : L2447503-05,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:15 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	512.3E6	492.3E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	76.58%	
Standard Area 1 : #2 = 630488988				Recovery =	78.08%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.321	205.1E6	208.5E6	0.610M3	0.519M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	122.00%	103.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

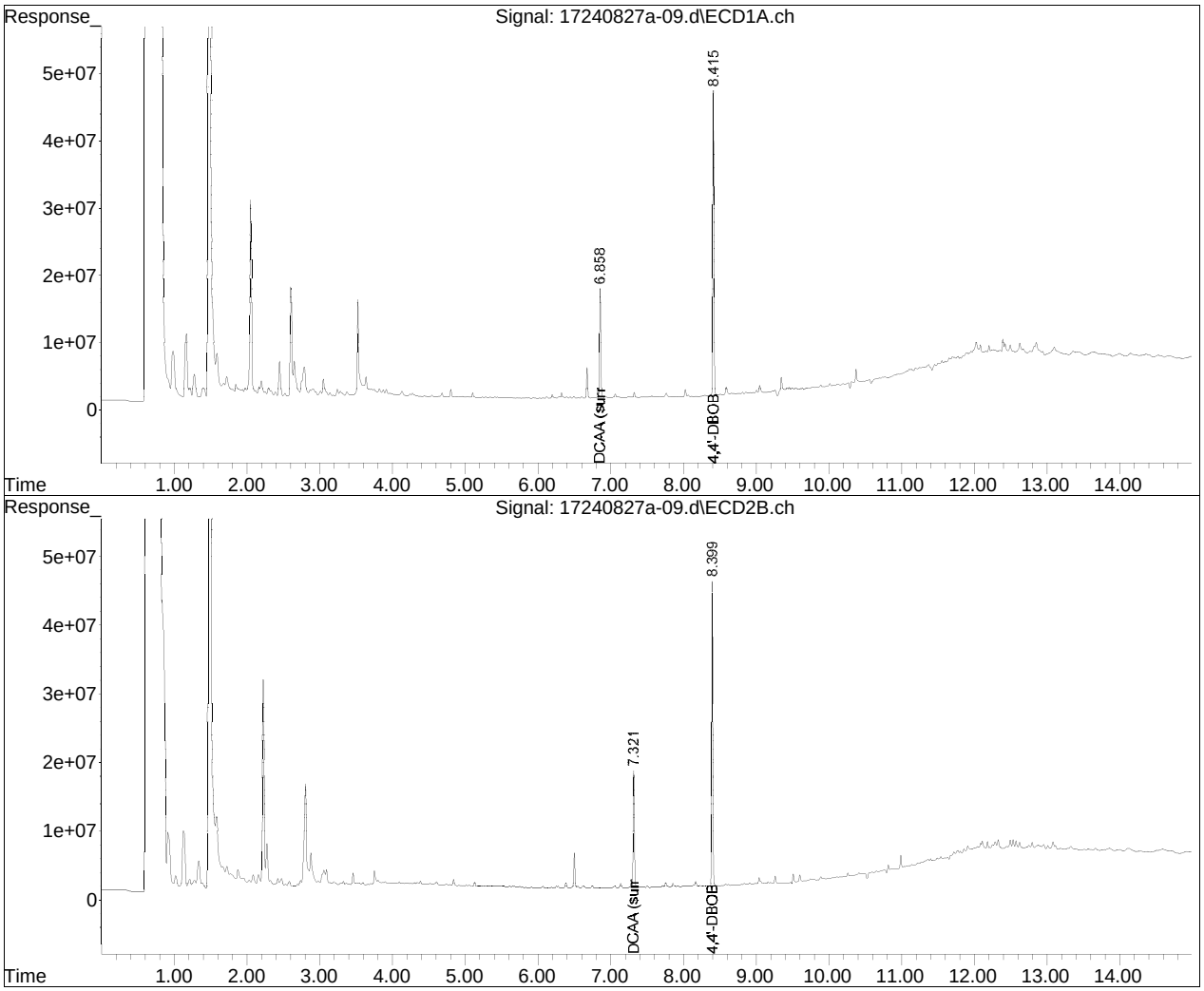
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-09.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:21
Operator : PEST17:jag
Sample : L2447503-05,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:15 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

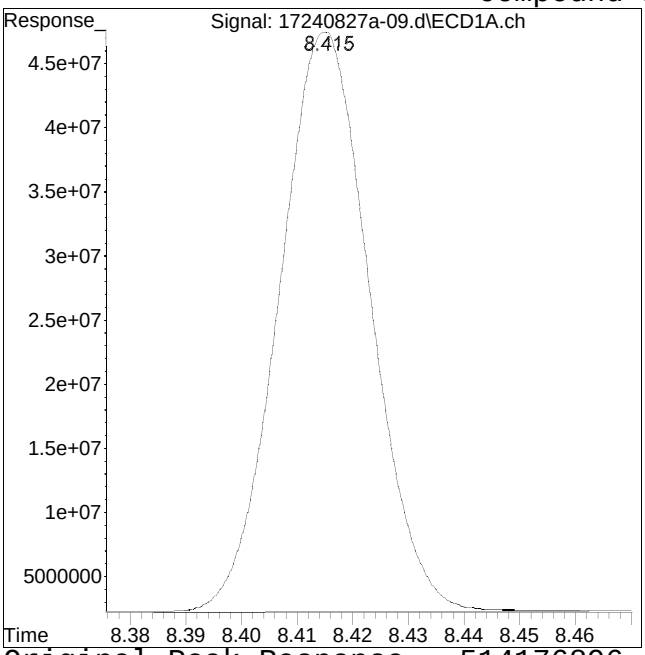
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

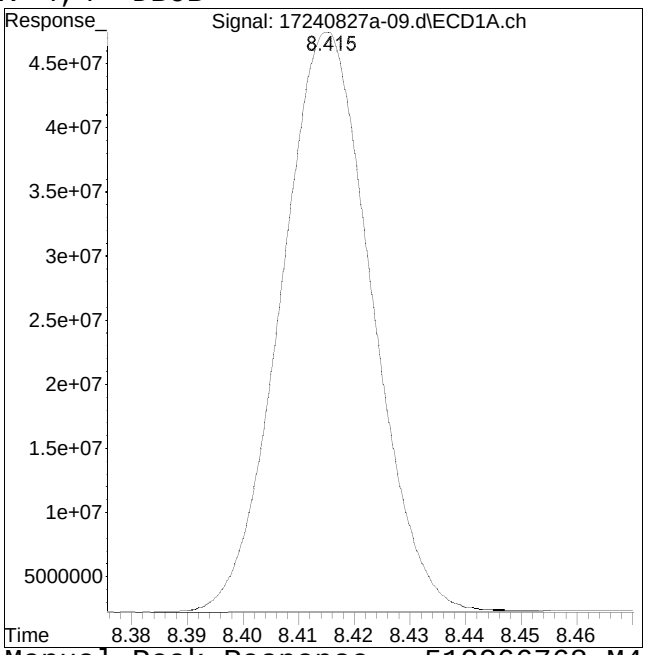


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-09.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:21 Instrument : Pest 17
Sample : L2447503-05,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



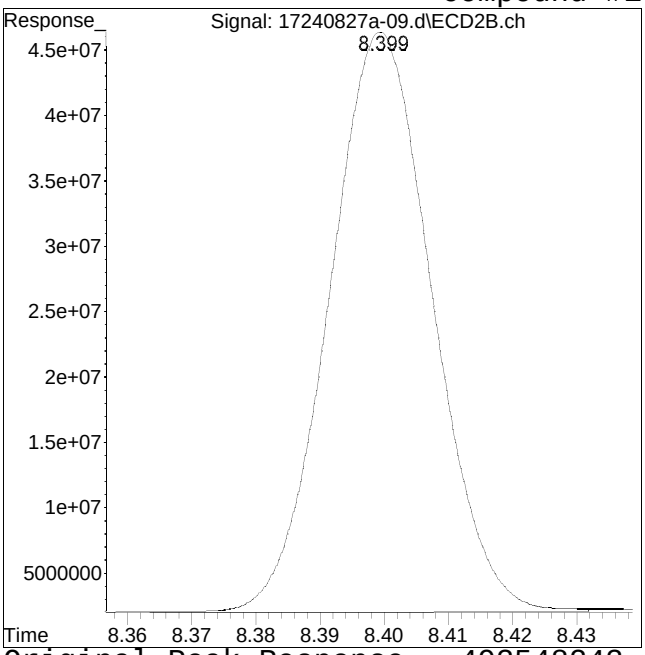


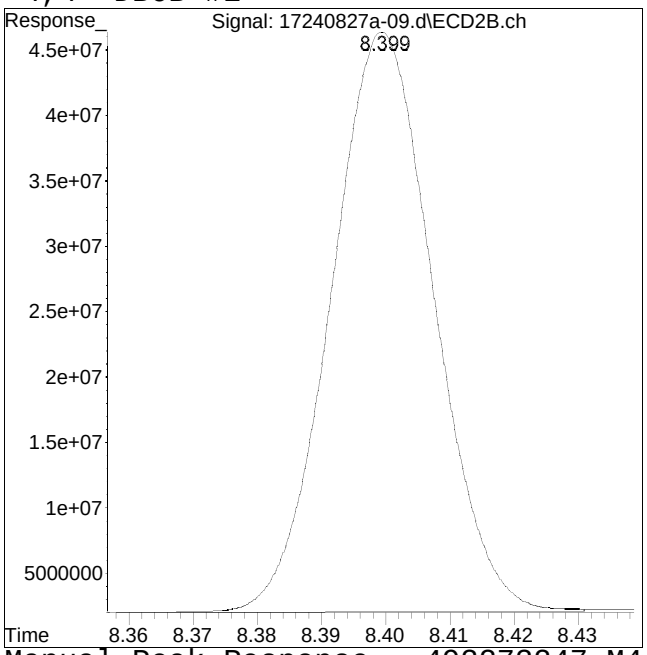
Original Peak Response = 514176896 Manual Peak Response = 512266768 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-09.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:21 Instrument : Pest 17
Sample : L2447503-05,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



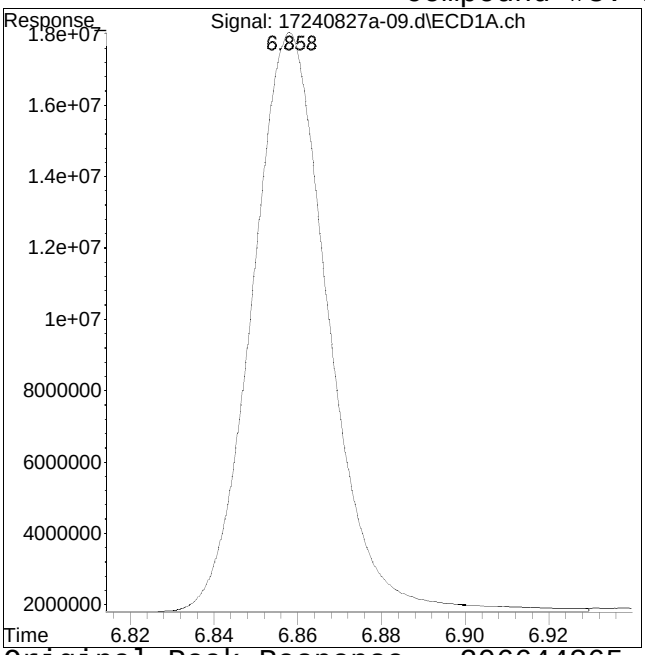


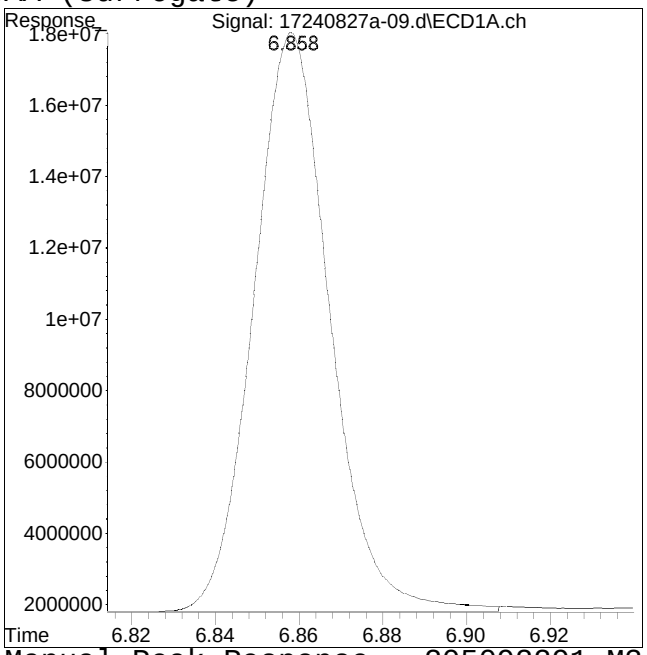
Original Peak Response = 493548243 Manual Peak Response = 492273247 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-09.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:21 Instrument : Pest 17
Sample : L2447503-05,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



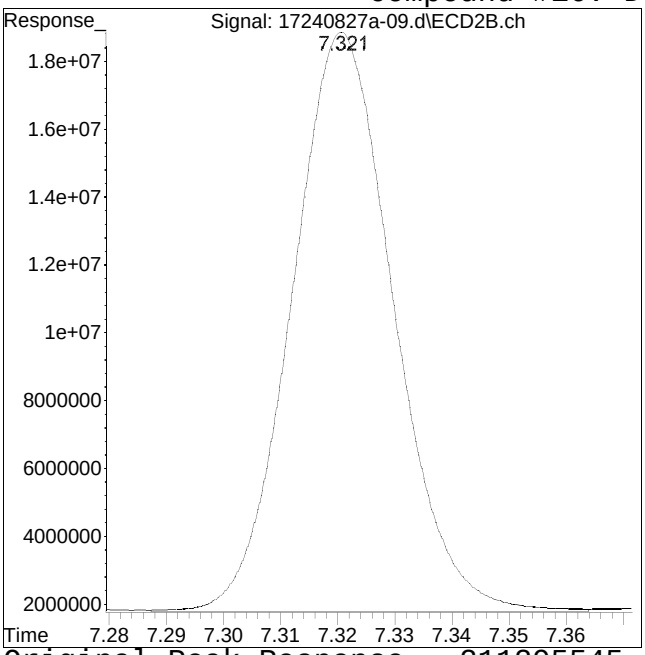


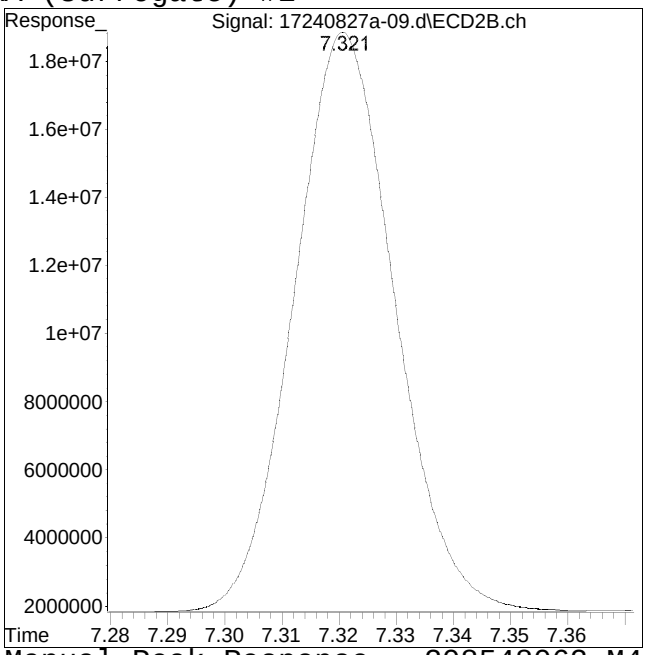
Original Peak Response = 206644365 Manual Peak Response = 205092291 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-09.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:21 Instrument : Pest 17
Sample : L2447503-05,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 211295545 Manual Peak Response = 208548062 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:40
Operator : PEST17:jag
Sample : L2447503-06,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:16 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards							
1) i	4,4'-DBOB	8.415	8.400	496.2E6	470.2E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 668945640				Recovery =	74.18%	
	Standard Area 1 : #2 = 630488988				Recovery =	74.57%	
System Monitoring Compounds							
3) s	DCAA (surrog	6.858	7.321	201.8E6	206.4E6	0.619M4	0.538M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	123.80%	107.60%
Target Compounds							
8) t	2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t	2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t	2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument							

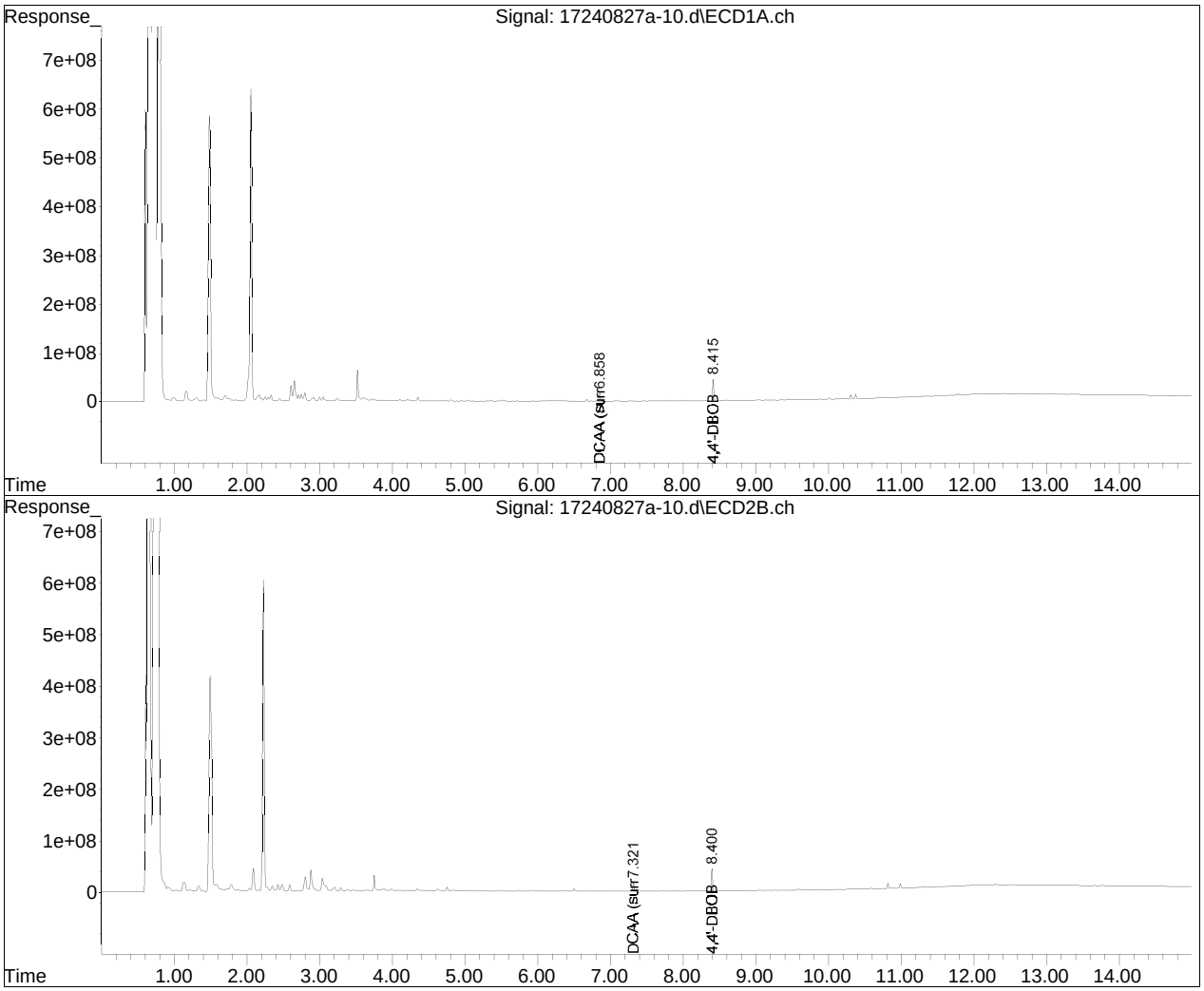
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-10.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:40
Operator : PEST17:jag
Sample : L2447503-06,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:16 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

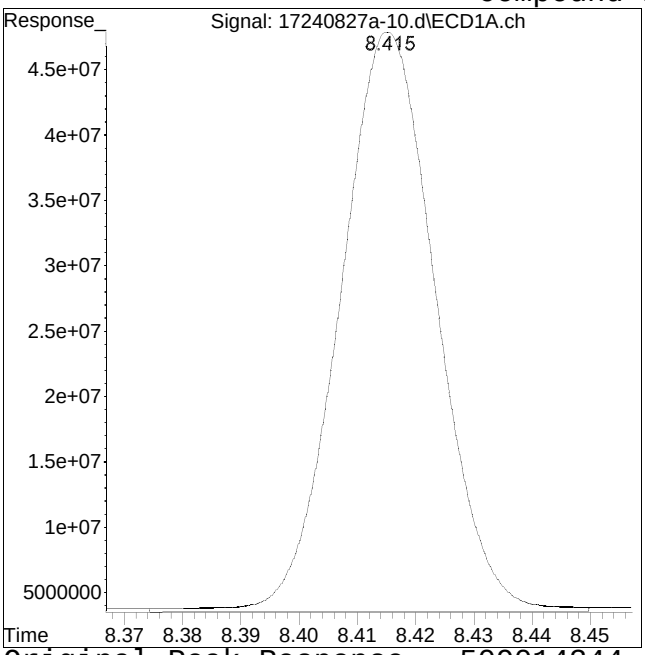
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

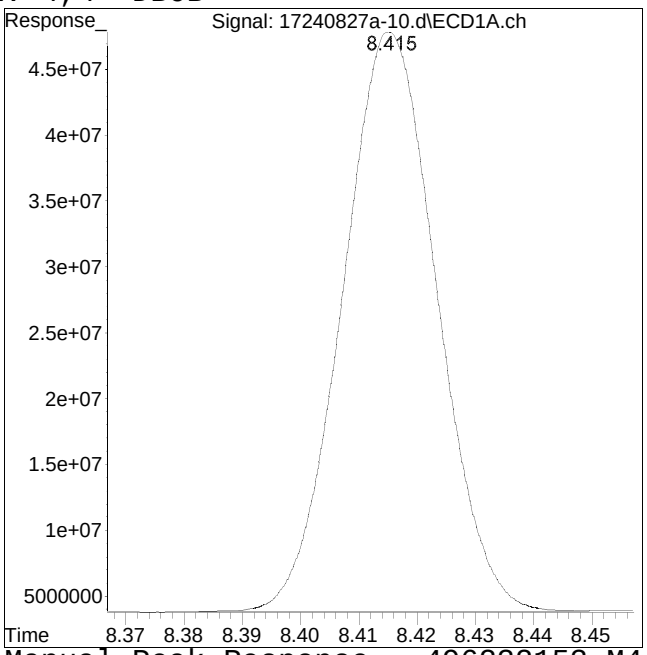


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-10.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:40 Instrument : Pest 17
Sample : L2447503-06,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



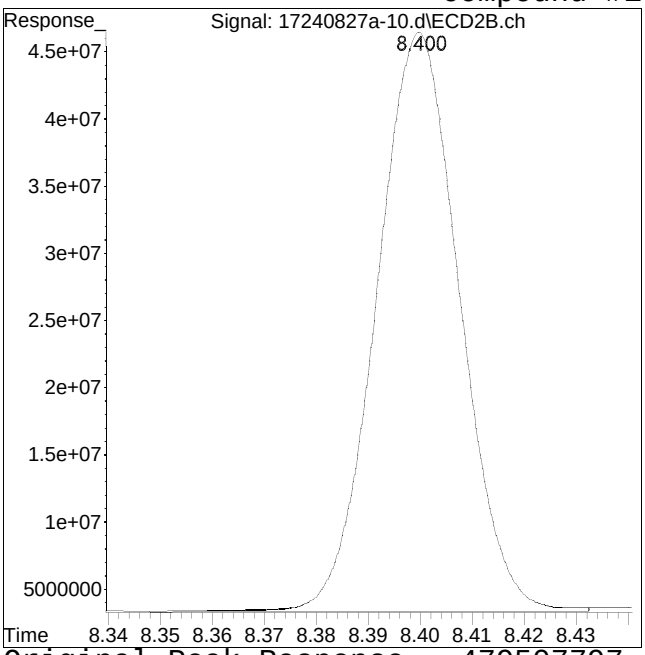


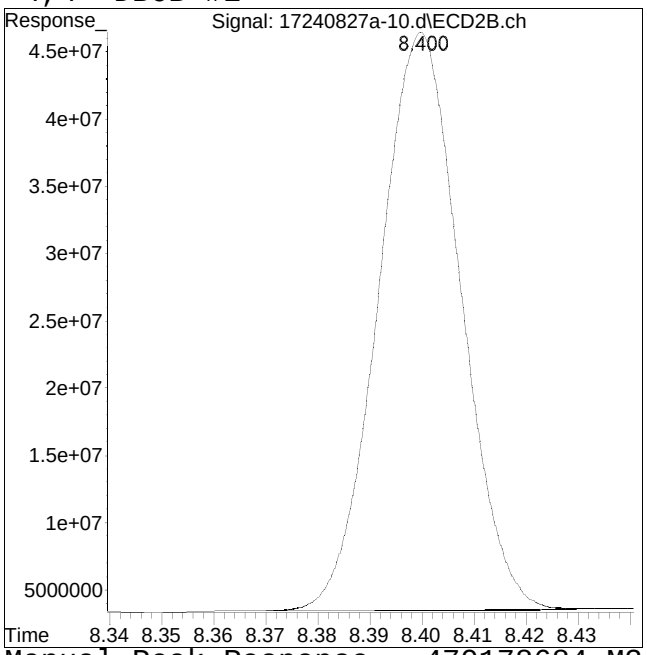
Original Peak Response = 509014344 Manual Peak Response = 496232153 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-10.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:40 Instrument : Pest 17
Sample : L2447503-06,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



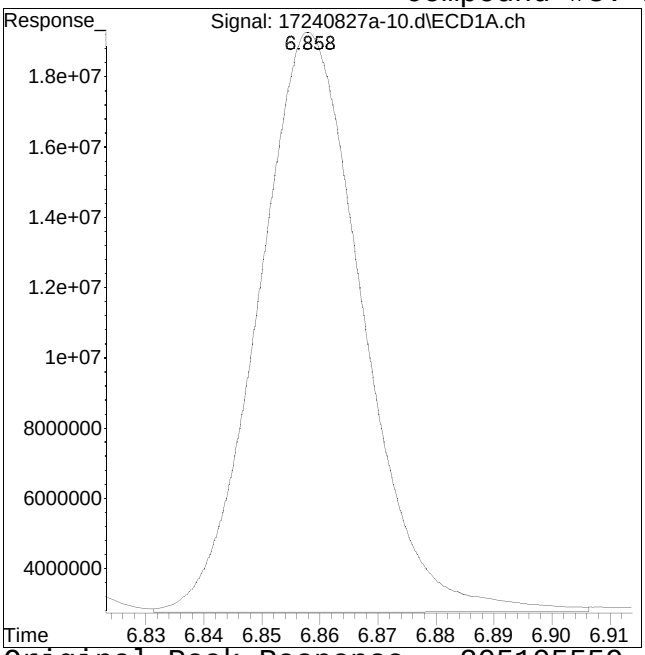


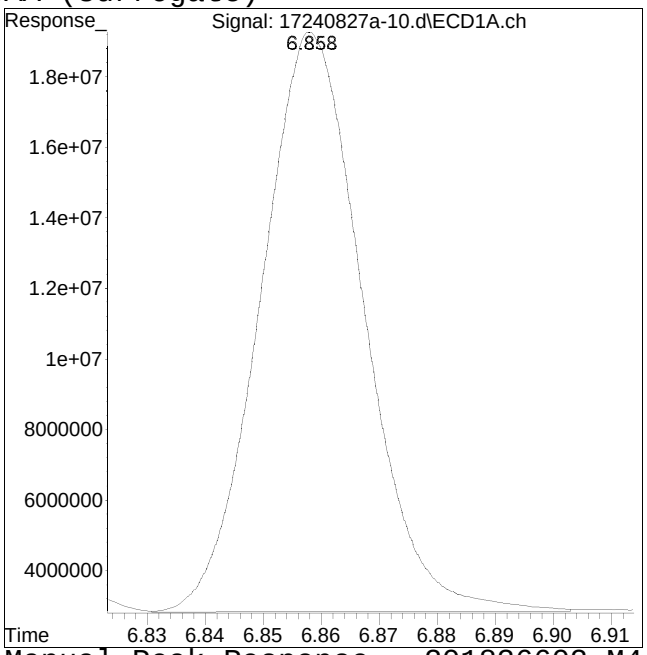
Original Peak Response = 479507797 Manual Peak Response = 470178684 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-10.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:40 Instrument : Pest 17
Sample : L2447503-06,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



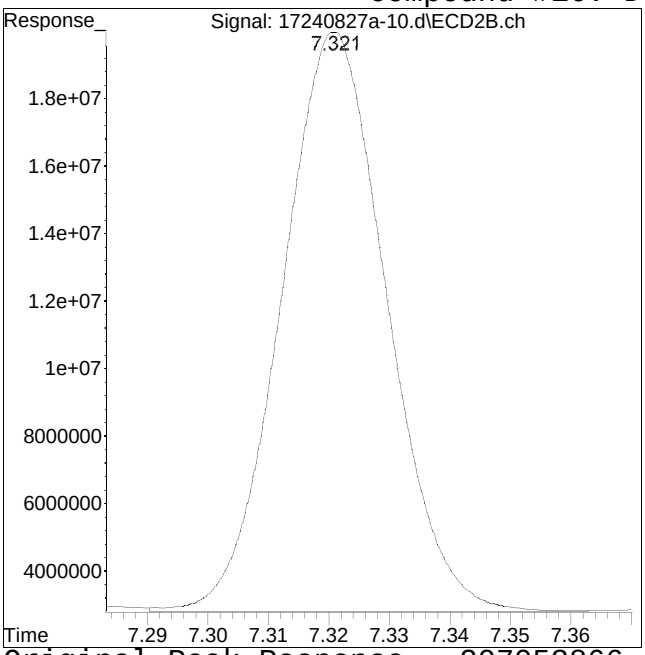


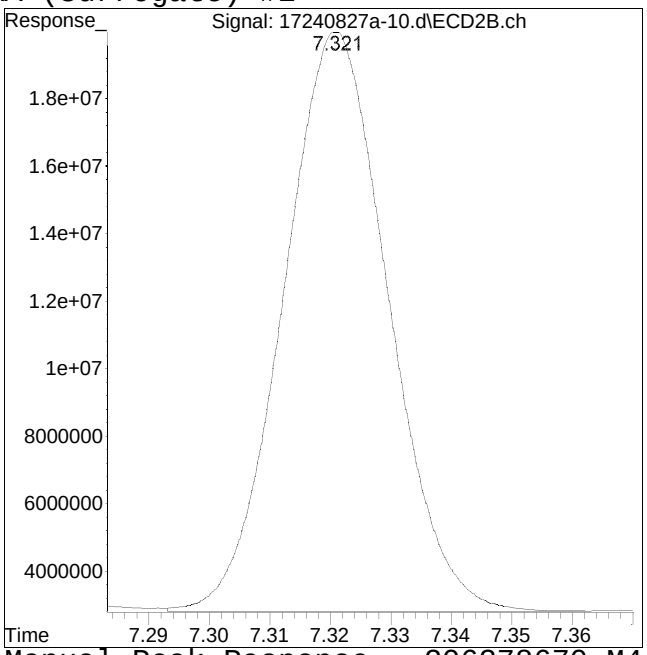
Original Peak Response = 205105559 Manual Peak Response = 201836602 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-10.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:40 Instrument : Pest 17
Sample : L2447503-06,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 207053866 Manual Peak Response = 206378670 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:58
Operator : PEST17:jag
Sample : L2447503-07,42,, p
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:18 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.400	487.4E6	467.4E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	72.85%	
Standard Area 1 : #2 = 630488988				Recovery =	74.13%	
System Monitoring Compounds						
3) s DCAA (surrog	6.859	7.321	193.2E6	197.2E6	0.604	0.517M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	120.80%	103.40%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

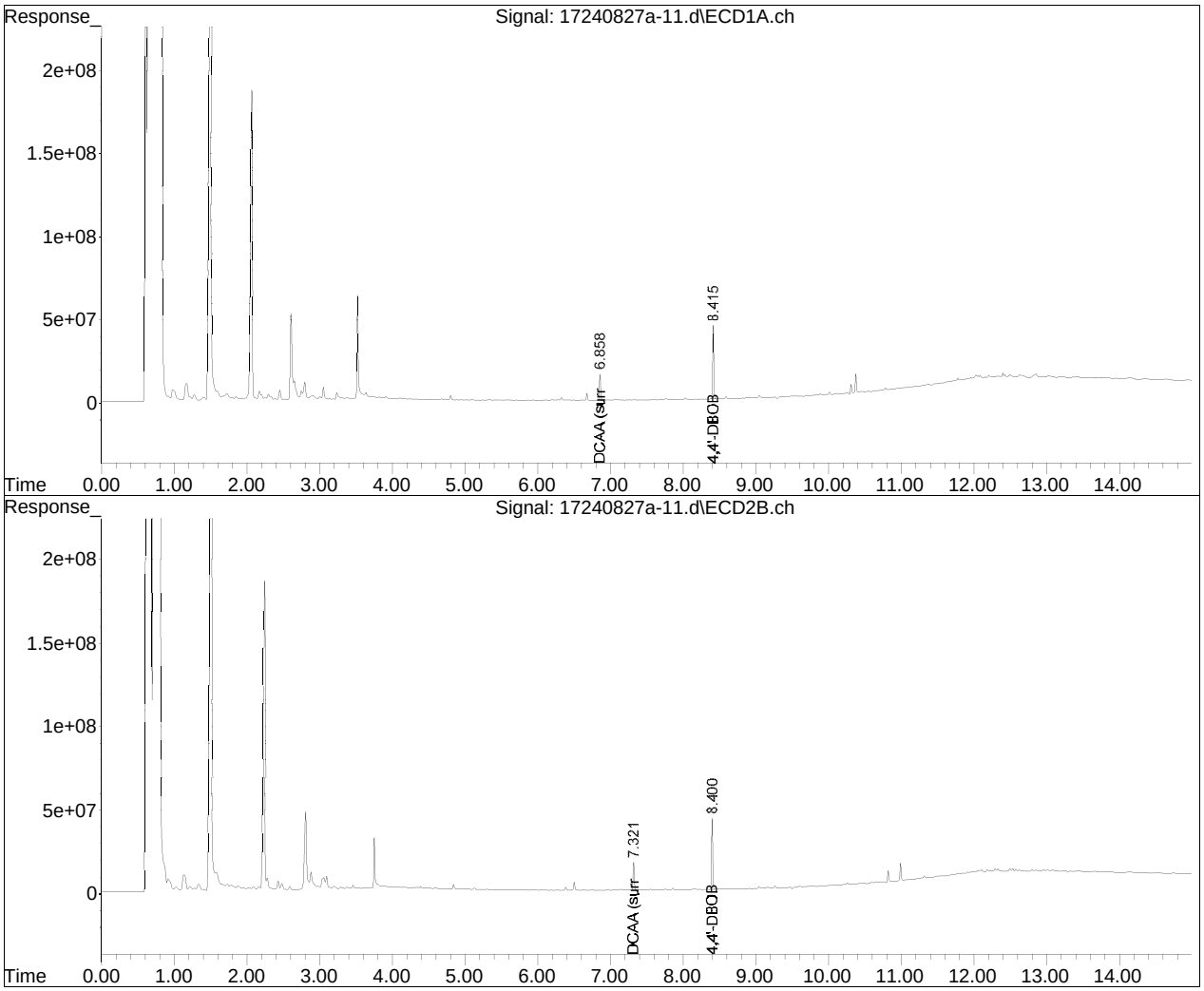
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-11.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 10:58
Operator : PEST17:jag
Sample : L2447503-07,42,, p
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:18 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

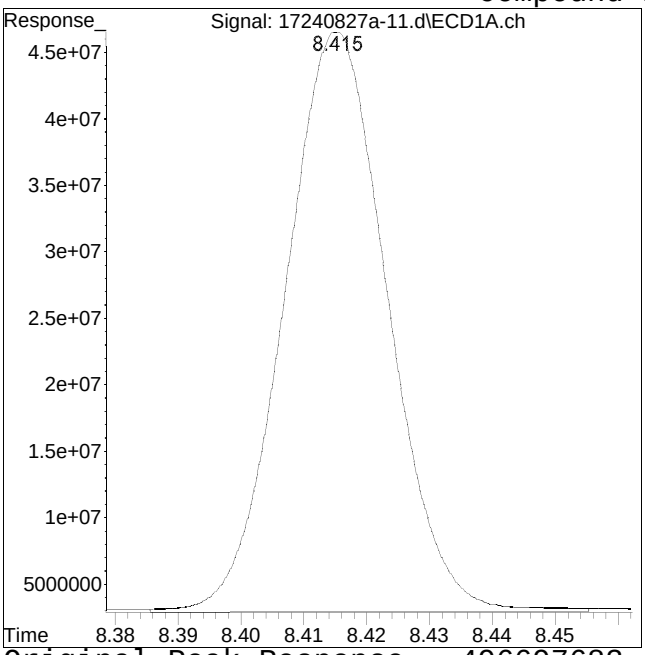
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

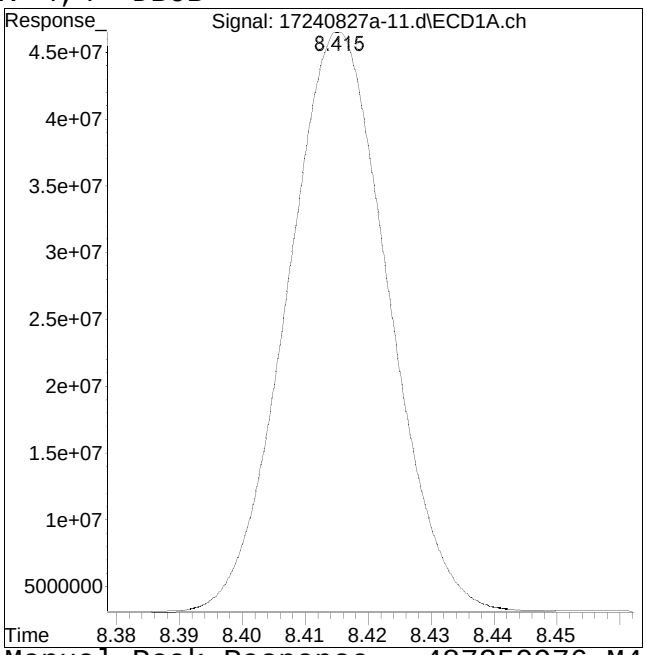


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-11.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:58 Instrument : Pest 17
Sample : L2447503-07,42,, p Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



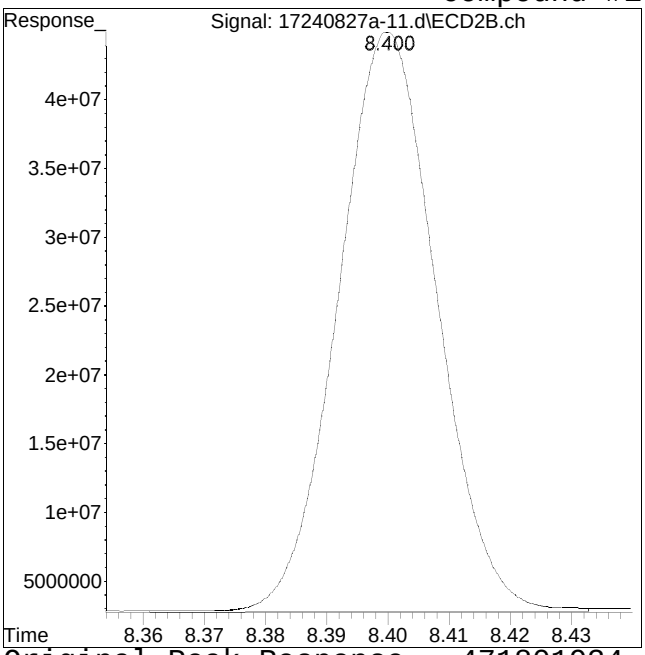


Original Peak Response = 496697683 Manual Peak Response = 487350976 M4
M4 = Poor automated baseline construction.

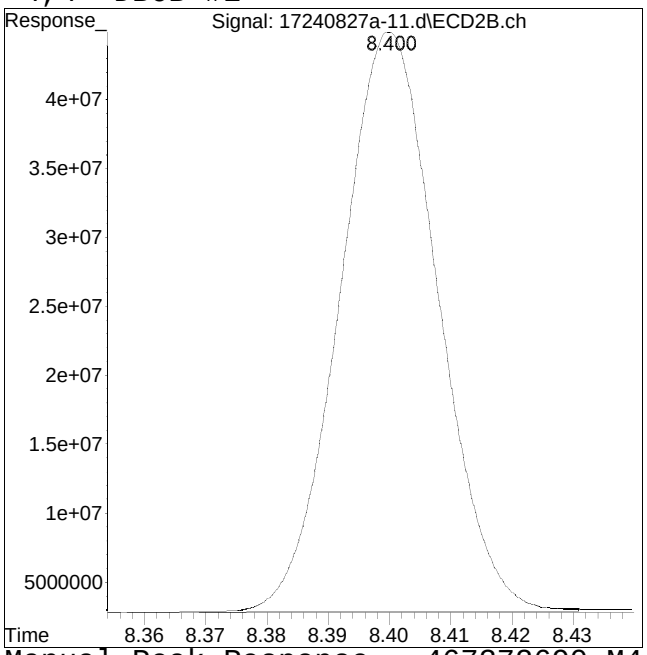
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-11.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:58 Instrument : Pest 17
Sample : L2447503-07,42,, p Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 471801934



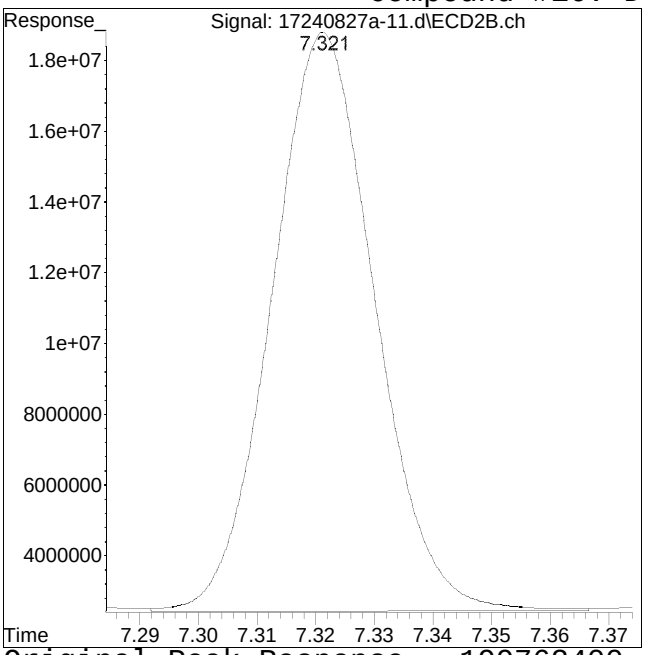
Manual Peak Response = 467372690 M4

M4 = Poor automated baseline construction.

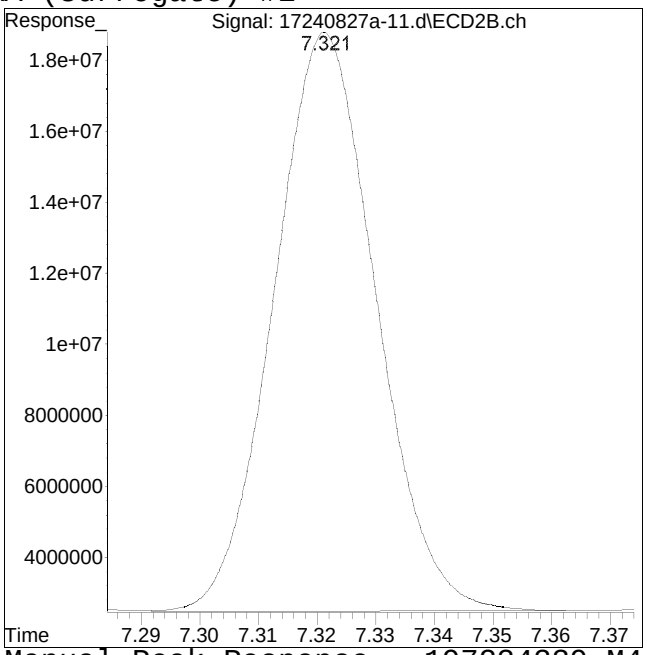
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-11.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 10:58 Instrument : Pest 17
Sample : L2447503-07,42,, p Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 199762400



Manual Peak Response = 197234339 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:53
Operator : PEST17:jag
Sample : L2447503-08,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:24 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	503.9E6	483.3E6	0.250M4	0.250M4
Standard Area 1 : #1 = 668945640				Recovery =	75.33%	
Standard Area 1 : #2 = 630488988				Recovery =	76.65%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.321	207.0E6	212.0E6	0.625M3	0.537M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	125.00%	107.40%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

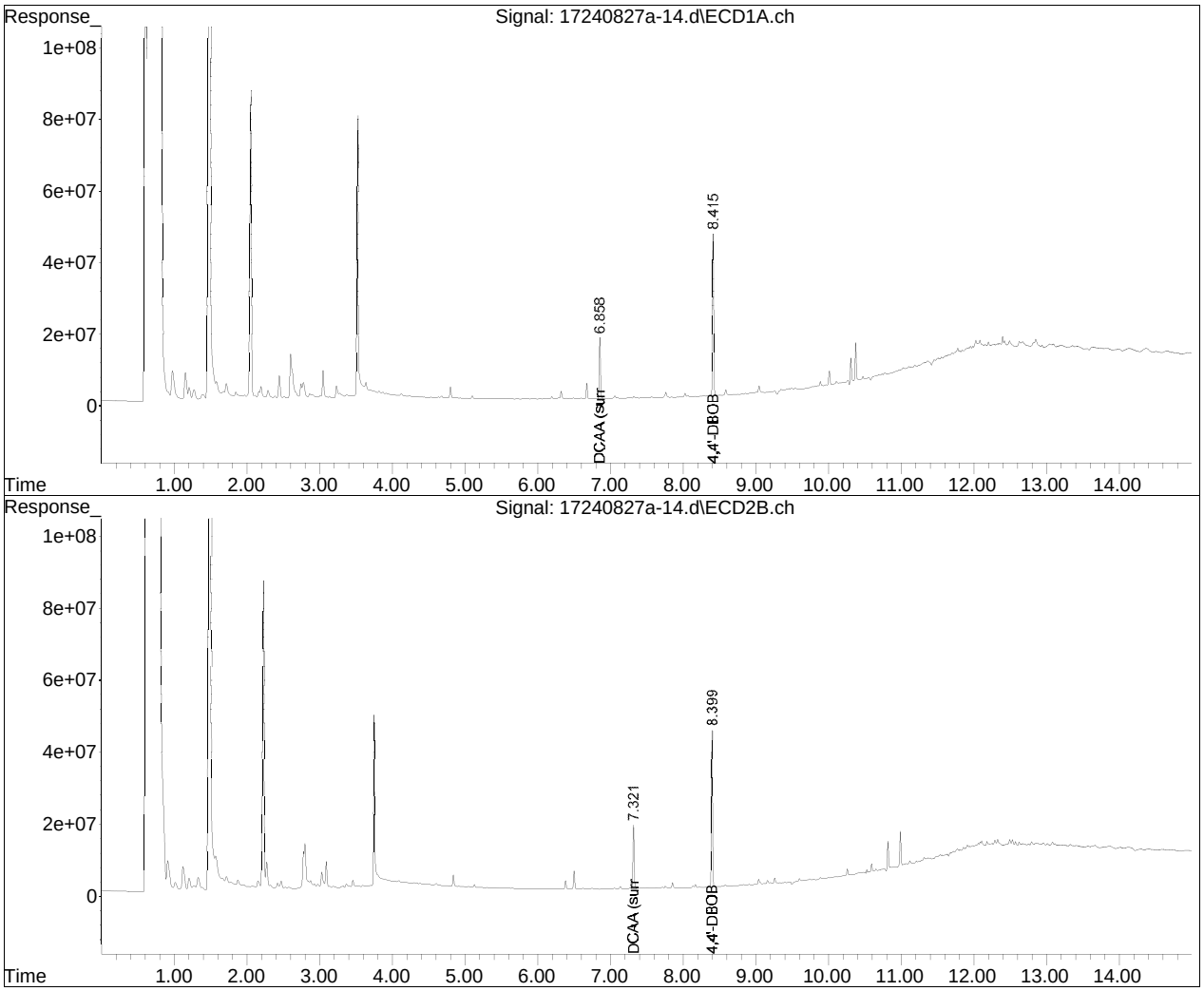
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-14.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:53
Operator : PEST17:jag
Sample : L2447503-08,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:24 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

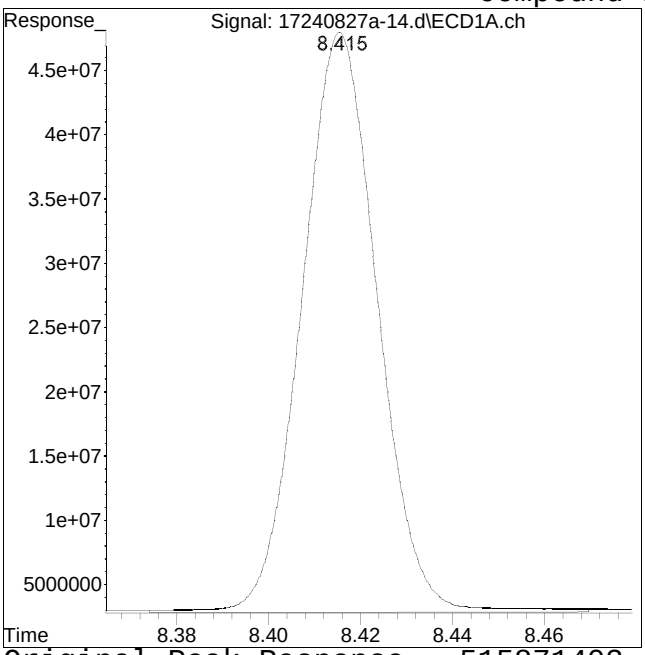
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

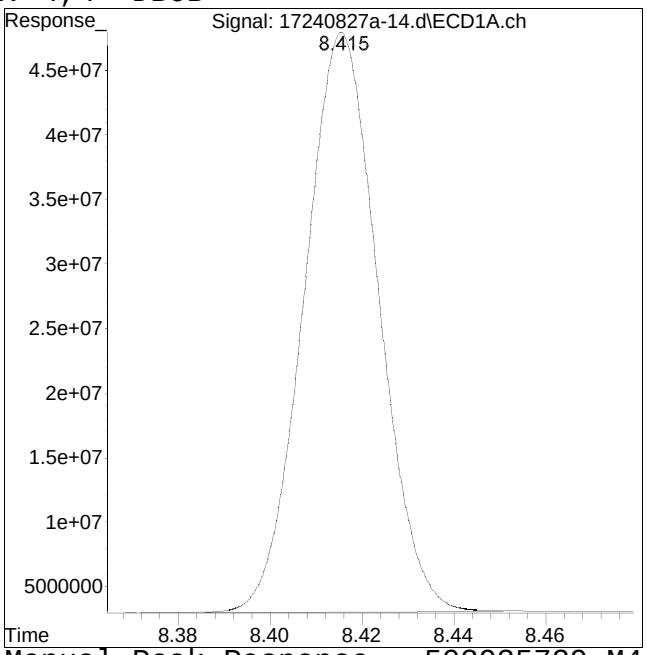


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-14.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:53 Instrument : Pest 17
Sample : L2447503-08,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



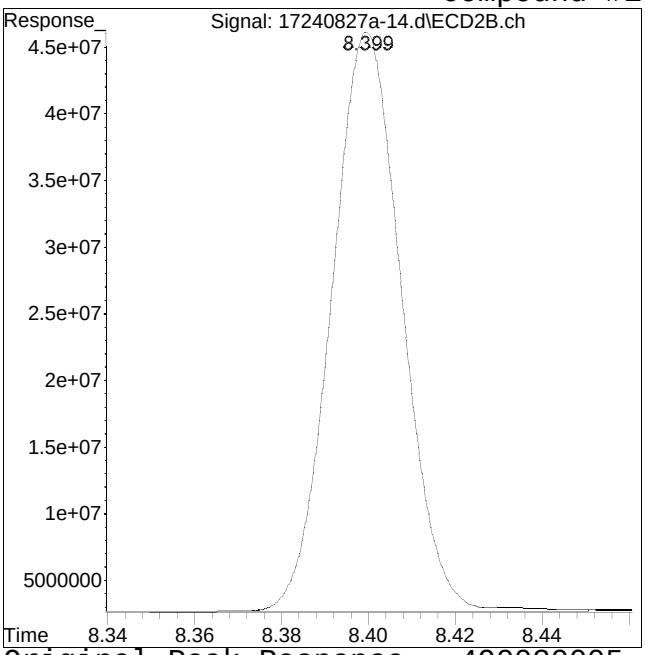


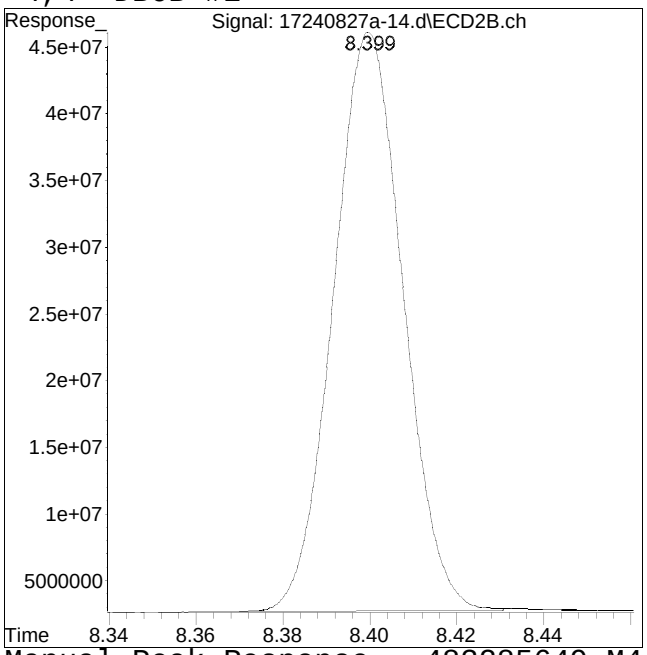
Original Peak Response = 515871403 Manual Peak Response = 503935729 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-14.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:53 Instrument : Pest 17
Sample : L2447503-08,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



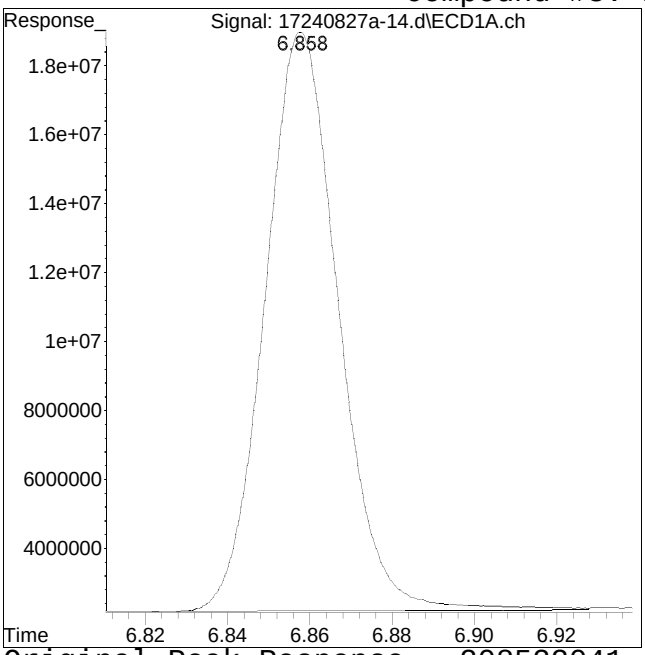


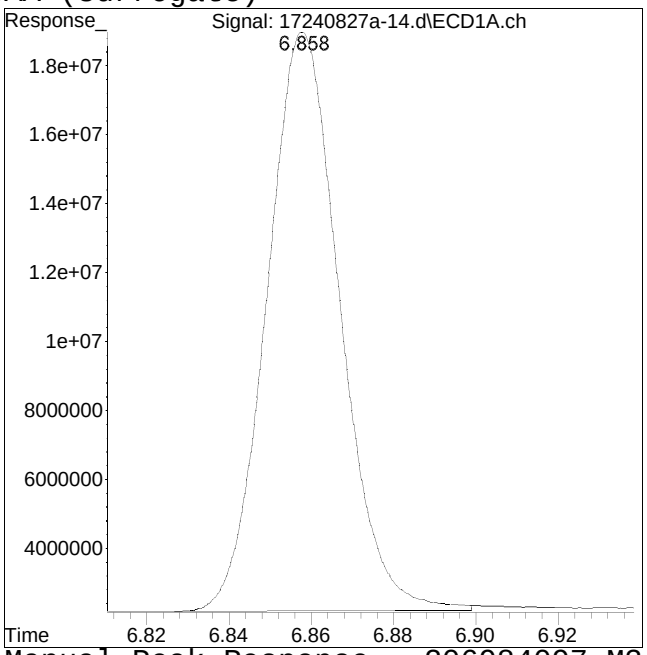
Original Peak Response = 490030005 Manual Peak Response = 483285649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-14.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:53 Instrument : Pest 17
Sample : L2447503-08,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



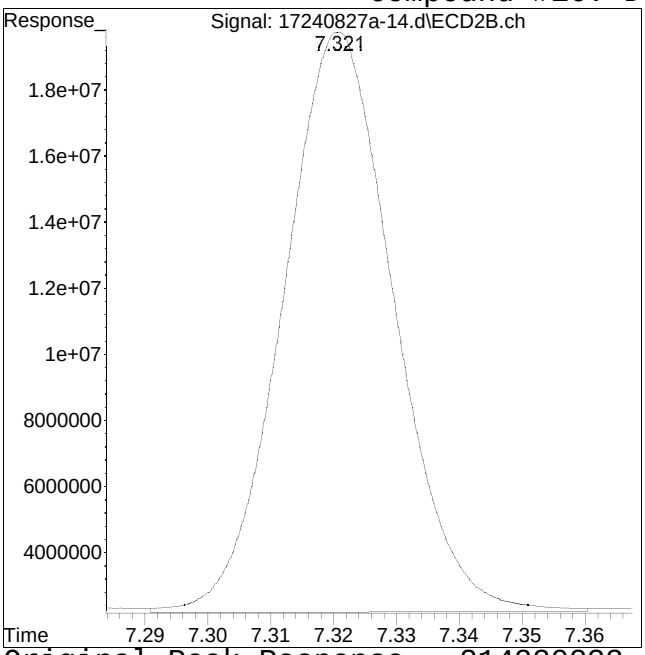


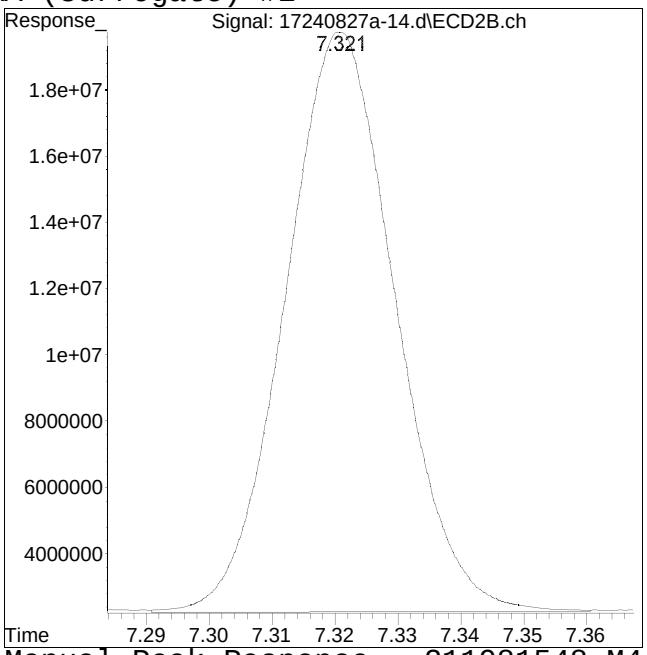
Original Peak Response = 208522041 Manual Peak Response = 206984097 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-14.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:53 Instrument : Pest 17
Sample : L2447503-08,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 214220233 Manual Peak Response = 211981548 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:12
Operator : PEST17:jag
Sample : L2447503-09,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:26 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.399	485.5E6	466.2E6	0.250M4	0.250M3
Standard Area 1 : #1 = 668945640				Recovery =	72.58%	
Standard Area 1 : #2 = 630488988				Recovery =	73.95%	
System Monitoring Compounds						
3) s DCAA (surrog	6.859	7.321	192.5E6	196.0E6	0.604	0.515M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	120.80%	103.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

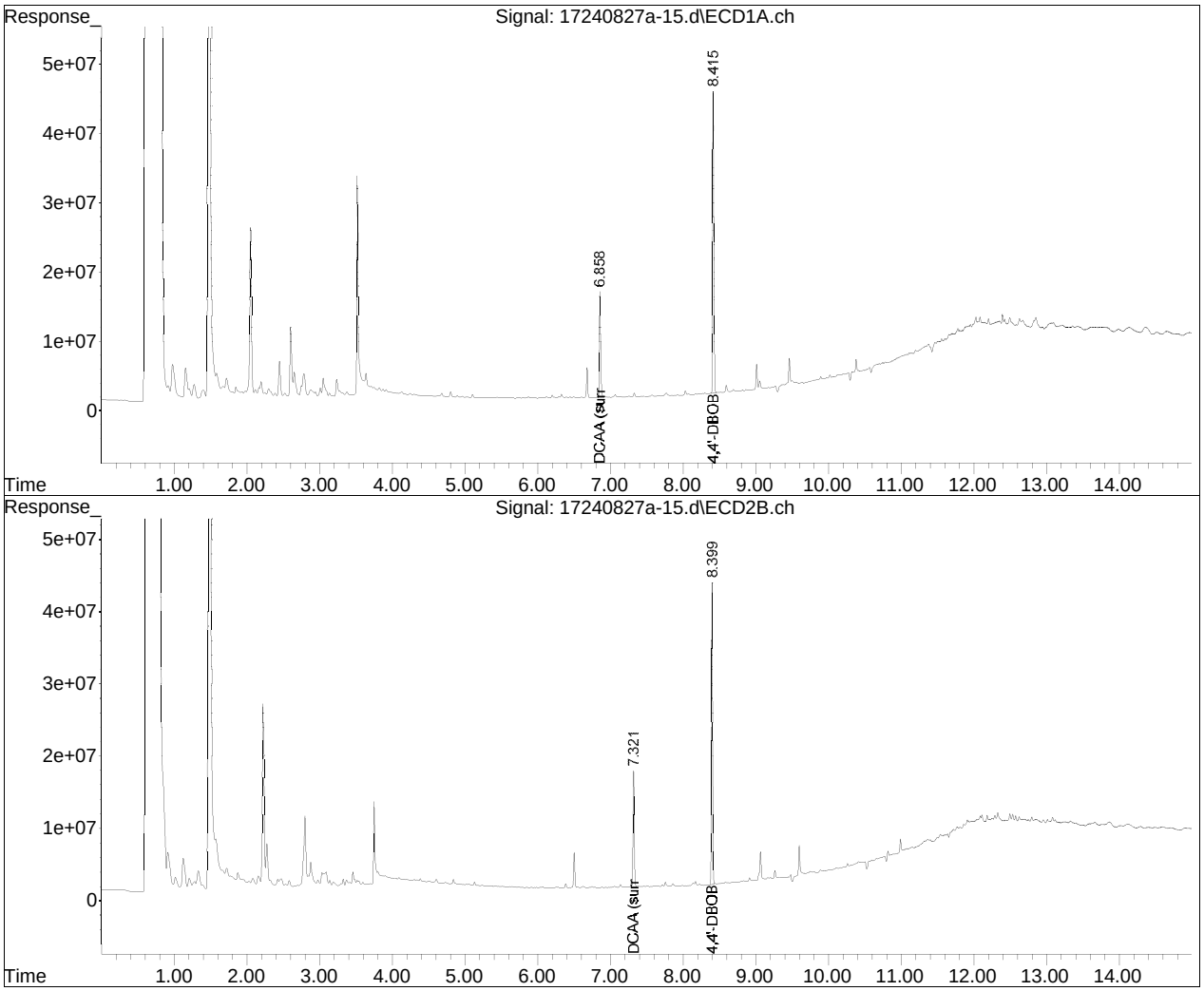
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-15.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:12
Operator : PEST17:jag
Sample : L2447503-09,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:26 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

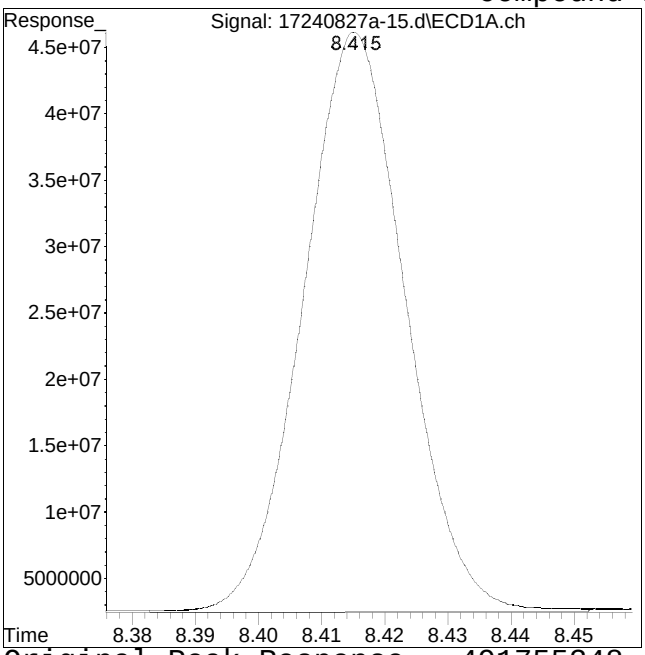
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

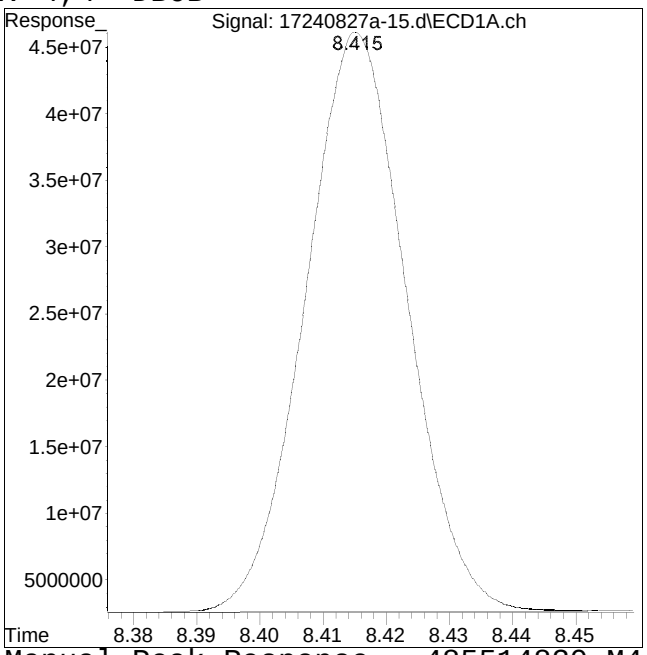


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-15.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:12 Instrument : Pest 17
Sample : L2447503-09,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



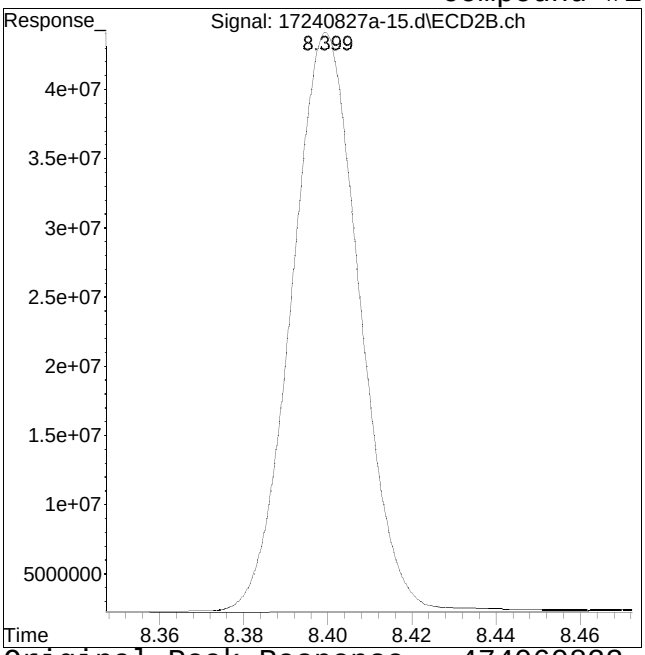


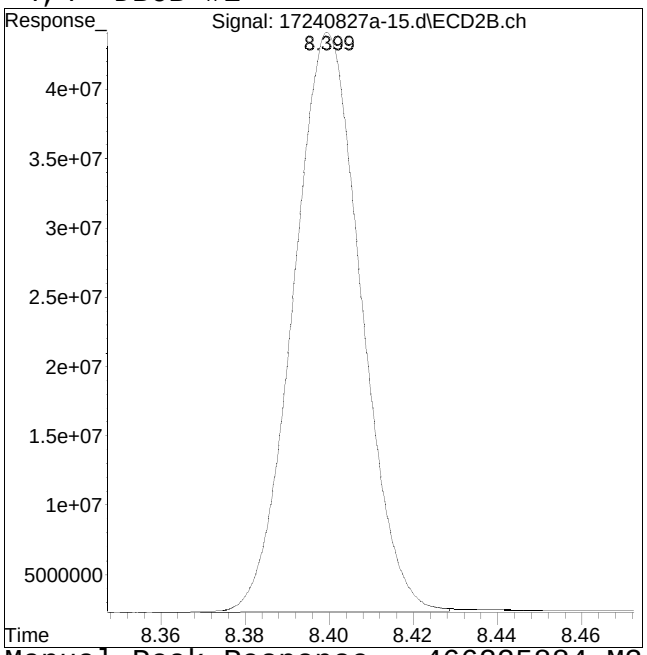
Original Peak Response = 491755348 Manual Peak Response = 485514830 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-15.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:12 Instrument : Pest 17
Sample : L2447503-09,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



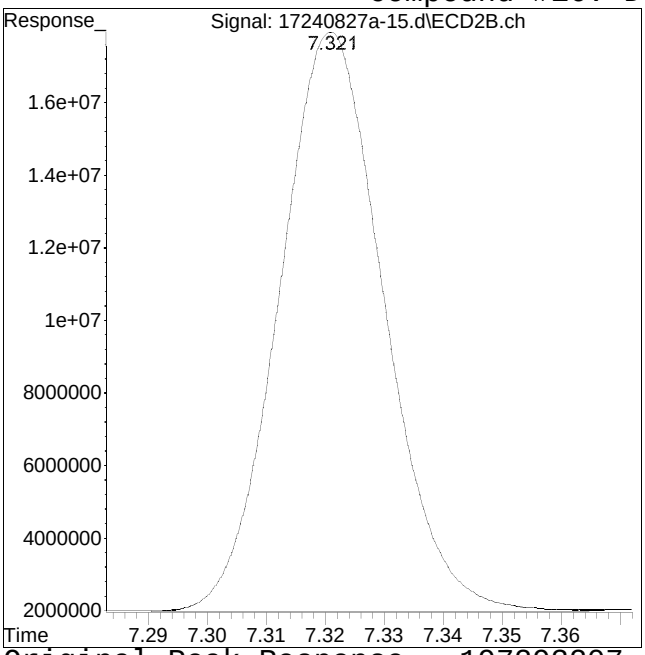


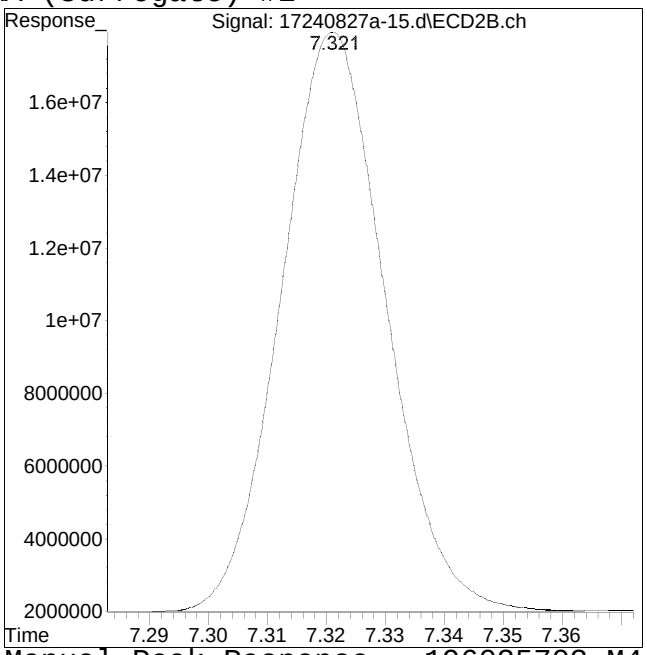
Original Peak Response = 474060823 Manual Peak Response = 466225884 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-15.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:12 Instrument : Pest 17
Sample : L2447503-09,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 197293207 Manual Peak Response = 196035703 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:30
Operator : PEST17:jag
Sample : L2447503-10,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:28 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.415	8.400	485.3E6	464.9E6	0.250M4	0.250M3
Standard Area 1 : #1 = 668945640				Recovery =	72.54%	
Standard Area 1 : #2 = 630488988				Recovery =	73.74%	
System Monitoring Compounds						
3) s DCAA (surrog	6.858	7.321	187.4E6	189.9E6	0.588	0.500M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	117.60%	100.00%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

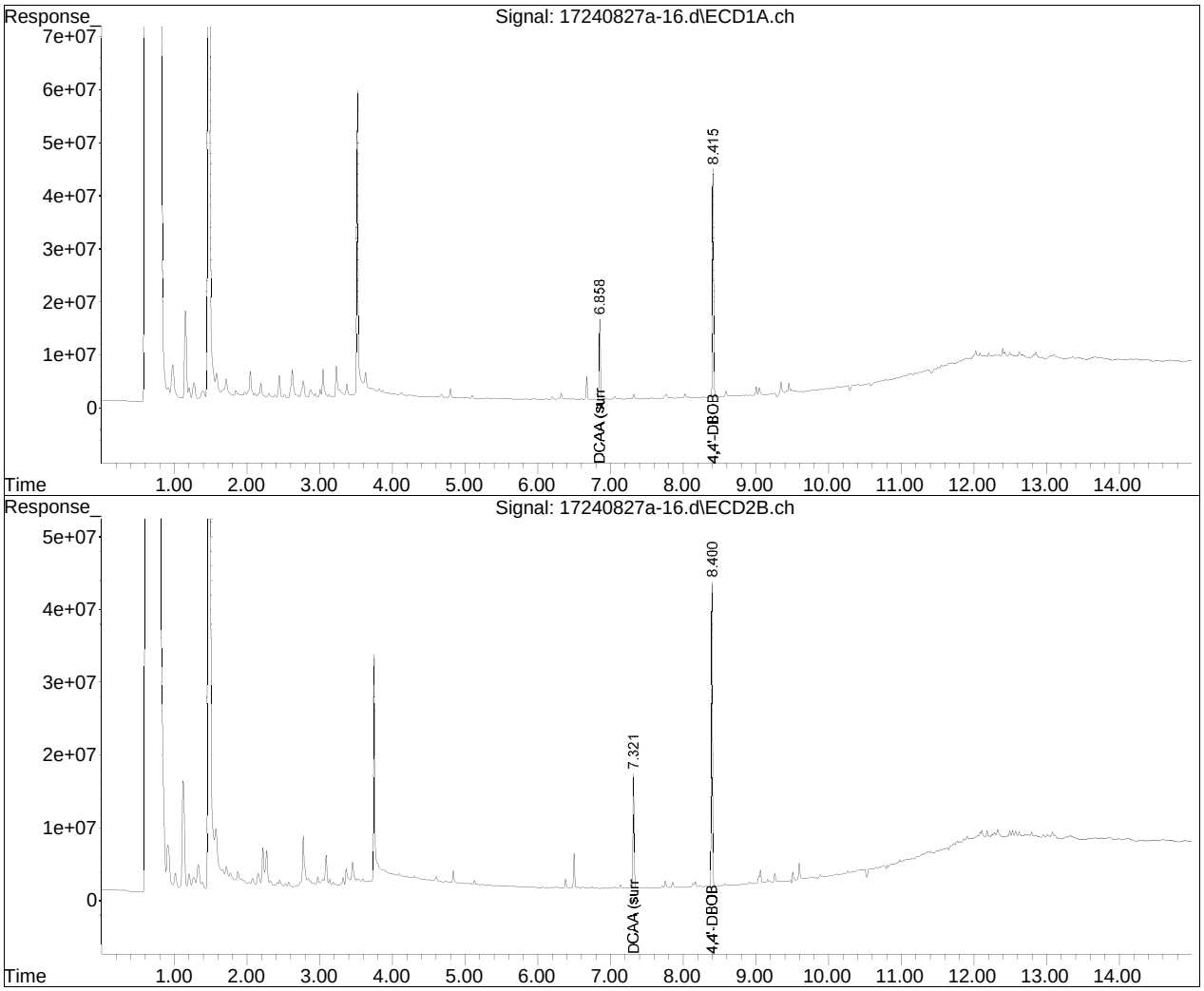
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-16.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 12:30
Operator : PEST17:jag
Sample : L2447503-10,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:28 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

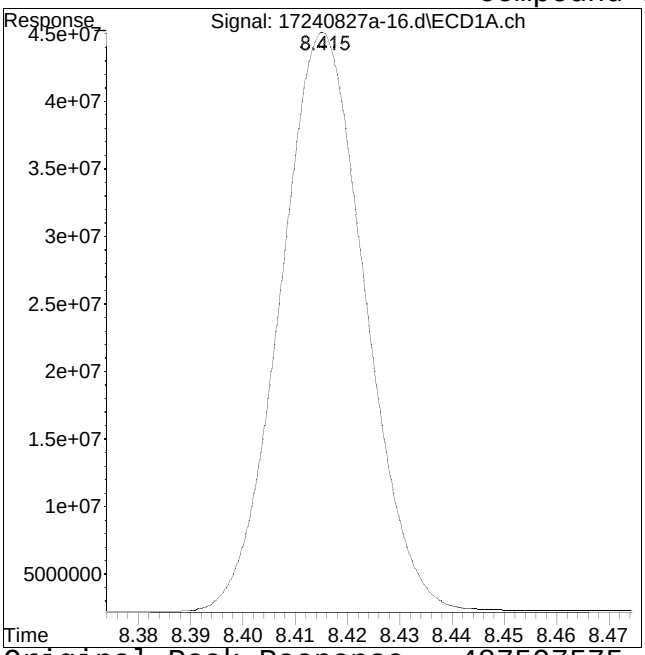
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

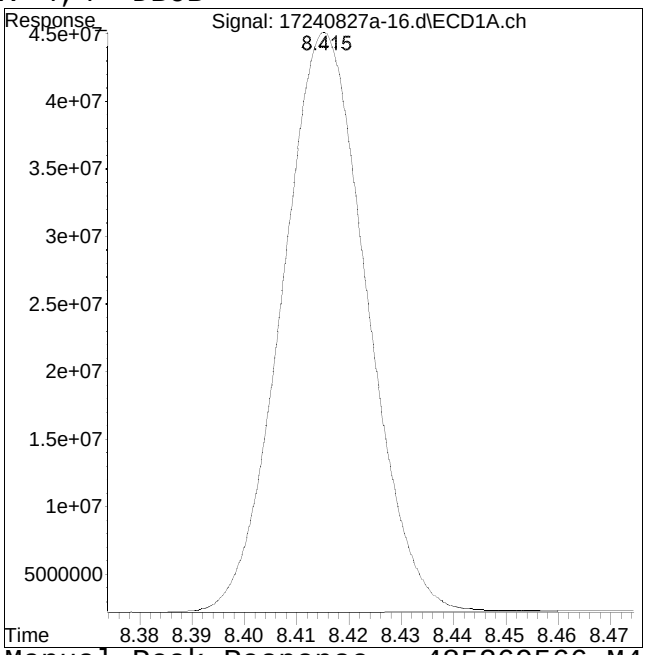


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-16.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:30 Instrument : Pest 17
Sample : L2447503-10,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



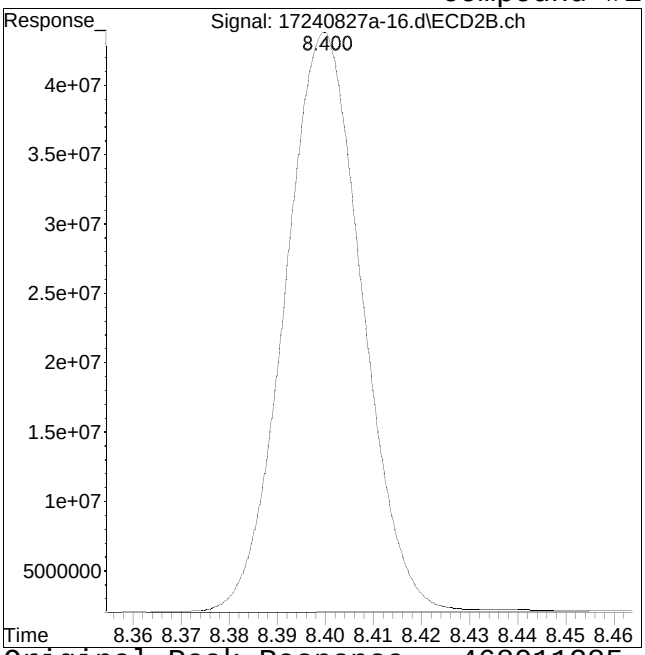


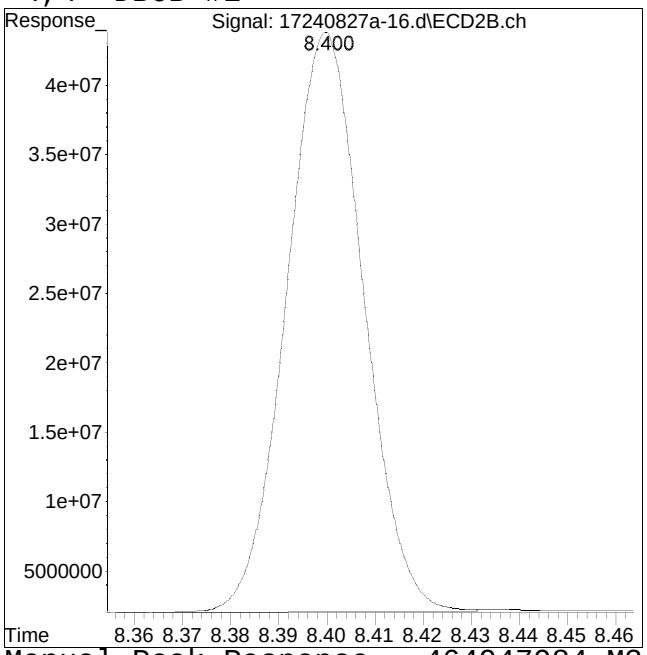
Original Peak Response = 487597575 Manual Peak Response = 485269566 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-16.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:30 Instrument : Pest 17
Sample : L2447503-10,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



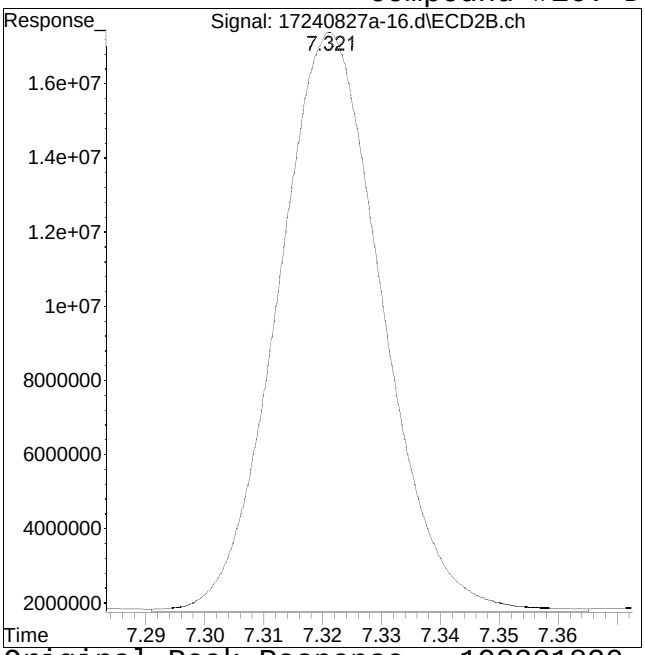


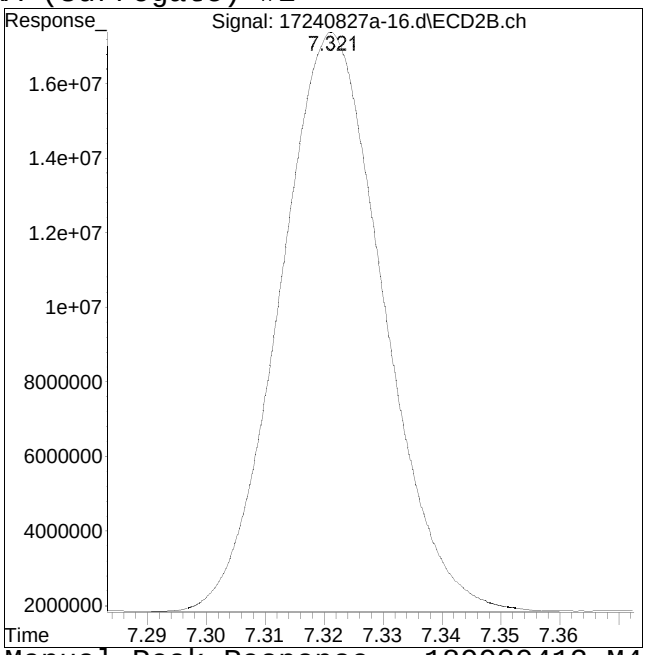
Original Peak Response = 468011285 Manual Peak Response = 464947984 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-16.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 12:30 Instrument : Pest 17
Sample : L2447503-10,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2





Original Peak Response = 193321820 Manual Peak Response = 189930412 M4
M4 = Poor automated baseline construction.

Herbicides Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21289**
Calibration dates	**: 07/12/24 14:41 07/12/24 16:13**		

Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.183	0.159	0.147	0.137	0.127	0.127	0.147	14.60
3)	s	DCAA (surrogate)	0.205	0.183	0.169	0.147	0.141	0.140	0.164	15.99
4)	t	Dicamba	0.616	0.577	0.550	0.518	0.509	0.512	0.547	7.88
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	11.03
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9966
7)	t	Dichloroprop	0.182	0.165	0.151	0.140	0.139	0.140	0.153	11.32
8)	t	2,4-D	0.207	0.188	0.174	0.161	0.160	0.163	0.176	10.51
9)	t	2,4,5-TP (Silvex)	0.699	0.674	0.658	0.634	0.643	0.656	0.661	3.52
10)	t	2,4,5-T	0.646	0.617	0.600	0.577	0.590	0.611	0.607	3.95
11)	t	2,4-DB	0.115	0.106	0.100	0.092	0.092	0.093	0.100	9.21
12)	t	Dinoseb	0.329	0.303	0.283	0.260	0.253	0.249	0.280	11.36

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST17**	**Ical Ref**	**: ICAL21289**
Calibration dates	**: 07/12/24 14:41 07/12/24 16:13**		

Signal #2 Calibration Files

1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.269	0.228	0.202	0.186	0.173	0.173	0.205	18.31
3)	s	DCAA (surrogate)	0.258	0.231	0.209	0.184	0.173	0.169	0.204	17.43
4)	t	Dicamba	0.692	0.645	0.605	0.559	0.541	0.540	0.597	10.35
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	9.40
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9983
7)	t	Dichloroprop	0.237	0.214	0.193	0.170	0.162	0.158	0.189	16.66
8)	t	2,4-D	0.273	0.258	0.234	0.209	0.203	0.201	0.230	13.32
9)	t	2,4,5-TP (Sil	0.914	0.873	0.843	0.783	0.770	0.772	0.826	7.30
10)	t	2,4,5-T	0.881	0.838	0.798	0.745	0.741	0.743	0.791	7.46
11)	t	2,4-DB	0.152	0.142	0.131	0.120	0.118	0.119	0.130	10.94
12)	t	Dinoseb	0.541	0.512	0.482	0.448	0.445	0.446	0.479	8.41

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Calibration Files

1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D

6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Silvex)	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Initial Calibration Summary
Form 6
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST22**	**Ical Ref**	**: ICAL21298**
Calibration dates	**: 07/16/24 15:28 07/16/24 17:01**		

Signal #2 Calibration Files

1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D

6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41
12)	t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

Response Factor Report Pest 17

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024
Response Via : Initial Calibration

Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.183	0.159	0.147	0.137	0.127	0.127	0.147	14.60
3)	s	DCAA (surrogate)	0.205	0.183	0.169	0.147	0.141	0.140	0.164	15.99
4)	t	Dicamba	0.616	0.577	0.550	0.518	0.509	0.512	0.547	7.88
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	11.03
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9966
7)	t	Dichloroprop	0.182	0.165	0.151	0.140	0.139	0.140	0.153	11.32
8)	t	2,4-D	0.207	0.188	0.174	0.161	0.160	0.163	0.176	10.51
9)	t	2,4,5-TP (Sil...	0.699	0.674	0.658	0.634	0.643	0.656	0.661	3.52
10)	t	2,4,5-T	0.646	0.617	0.600	0.577	0.590	0.611	0.607	3.95
11)	t	2,4-DB	0.115	0.106	0.100	0.092	0.092	0.093	0.100	9.21
12)	t	Dinoseb	0.329	0.303	0.283	0.260	0.253	0.249	0.280	11.36

Signal #2 Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.269	0.228	0.202	0.186	0.173	0.173	0.205	18.31
3)	s	DCAA (surrogate)	0.258	0.231	0.209	0.184	0.173	0.169	0.204	17.43
4)	t	Dicamba	0.692	0.645	0.605	0.559	0.541	0.540	0.597	10.35
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	9.40
6)	t	MCPA	0.002	0.002	0.001	0.001	0.001	0.001	*L	0.9983
7)	t	Dichloroprop	0.237	0.214	0.193	0.170	0.162	0.158	0.189	16.66
8)	t	2,4-D	0.273	0.258	0.234	0.209	0.203	0.201	0.230	13.32
9)	t	2,4,5-TP (Sil...	0.914	0.873	0.843	0.783	0.770	0.772	0.826	7.30
10)	t	2,4,5-T	0.881	0.838	0.798	0.745	0.741	0.743	0.791	7.46
11)	t	2,4-DB	0.152	0.142	0.131	0.120	0.118	0.119	0.130	10.94

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024
Response Via : Initial Calibration

Calibration Files
1 =17240712i-02.d 2 =17240712i-03.d 3 =17240712i-04.d 4 =17240712i-05.d 5 =17240712i-06.d
6 =17240712i-07.d

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.541	0.512	0.482	0.448	0.445	0.446	0.479	8.41

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.435	8.420	522.8E6	562.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.878	7.341	20152394	27325418	0.059M4	0.059M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		11.80%#	11.80%#
		Target Compounds						
2)	t	Dalapon	1.899	1.922	17381182	27571565	0.057M4	0.060
4)	t	Dicamba	7.062	7.521	60576811	73194730	0.053M4	0.054M4
5)	t	MCPP	7.269	7.635	7769878	8625730	4.821M4	5.155M3
6)	t	MCPA	7.414	7.862	19766620	18317017	6.920M4	6.250M4
7)	t	Dichloroprop	7.768	8.181	17841666	25036833	0.056M4	0.059M4
8)	t	2,4-D	7.978	8.458	20321370	28931503	0.055M4	0.057M4
9)	t	2,4,5-TP (Si	8.703	9.121	69429786	97769689	0.050M4	0.053M4
10)	t	2,4,5-T	8.921	9.411	64164338	94227943	0.051M4	0.053M4
11)	t	2,4-DB	9.331	9.774	11510375	16456275	0.055M4	0.056M4
12)	t	Dinoseb	10.088	9.998	32694824	57819552	0.056M4	0.054M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

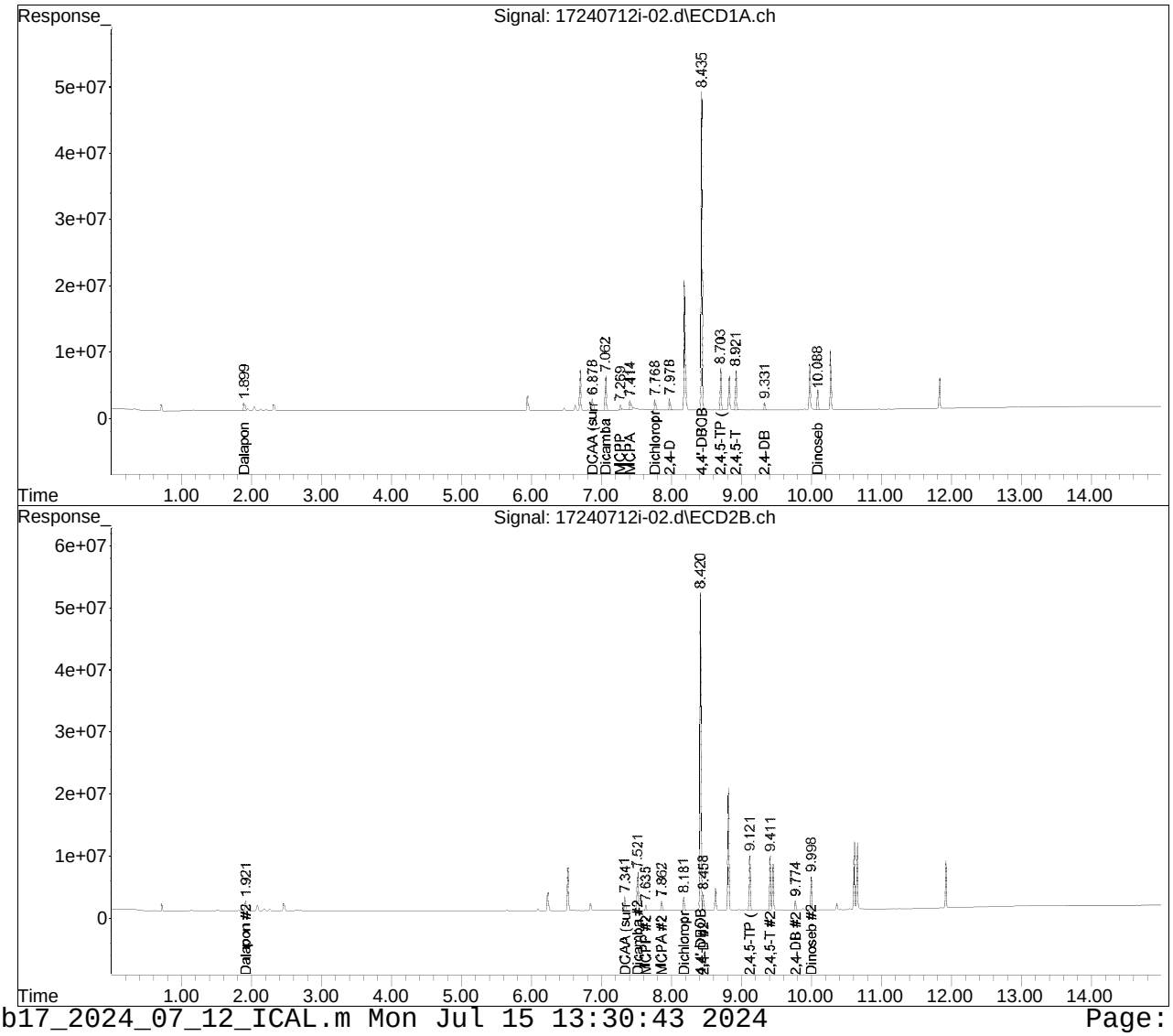
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:41 pm
Operator : PEST17:peg
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:58:43 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:58:35 2024
Response via : Initial Calibration
Integrator: ChemStation

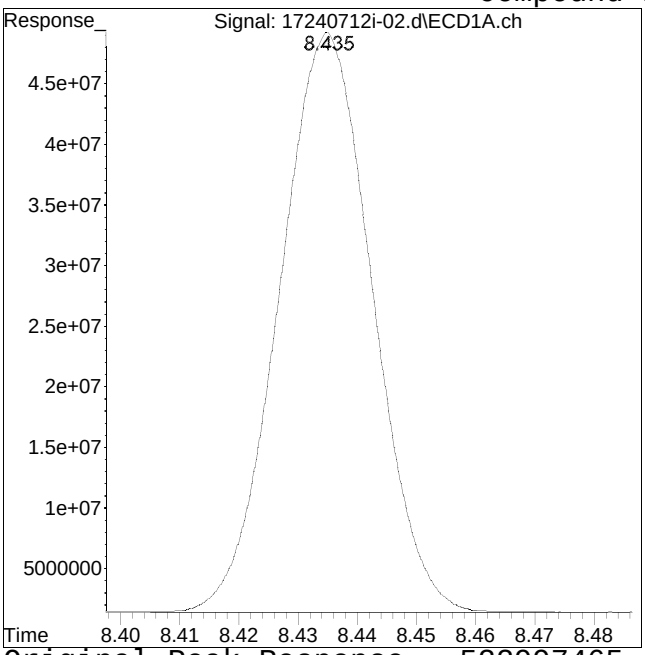
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

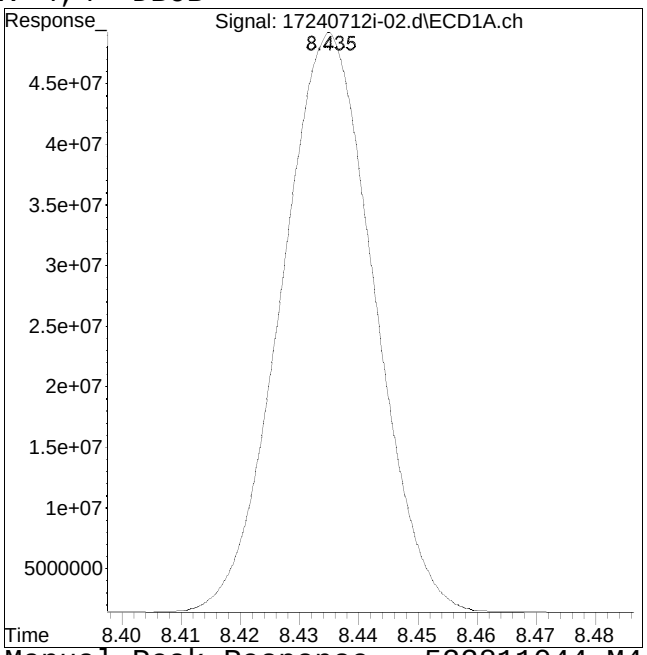


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #1: 4,4'-DBOB



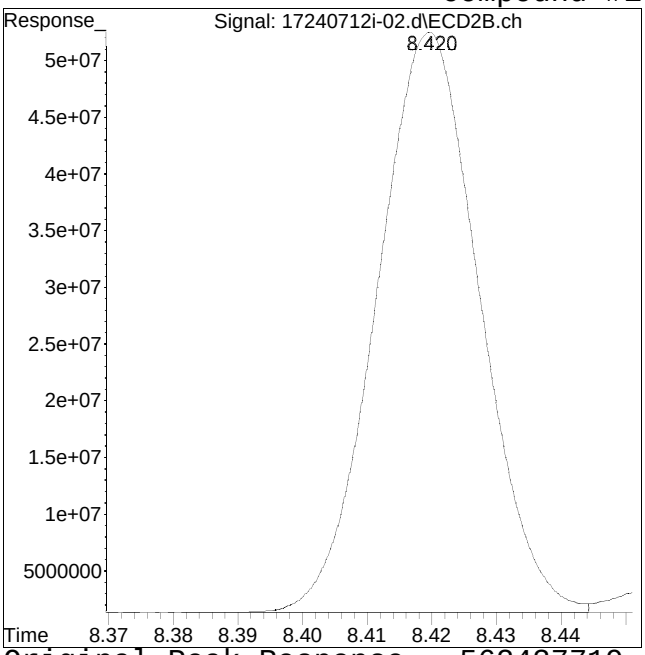


Original Peak Response = 522997465 Manual Peak Response = 522811044 M4
M4 = Poor automated baseline construction.

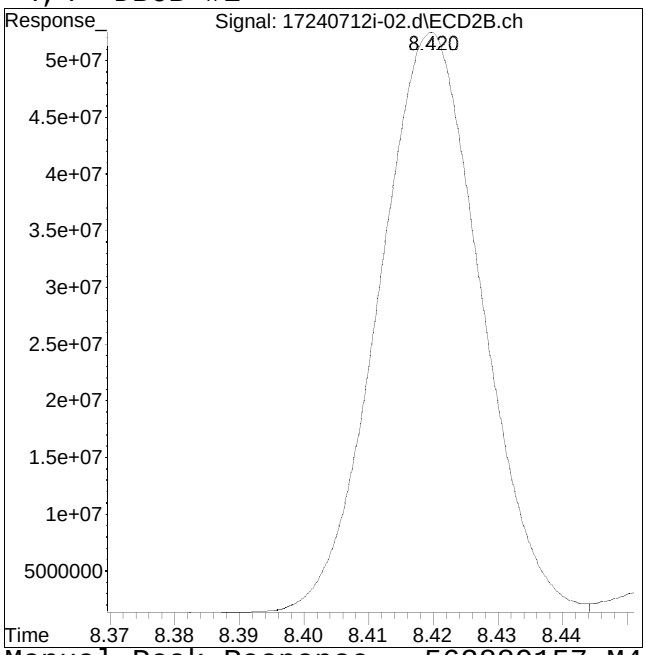
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 562437719

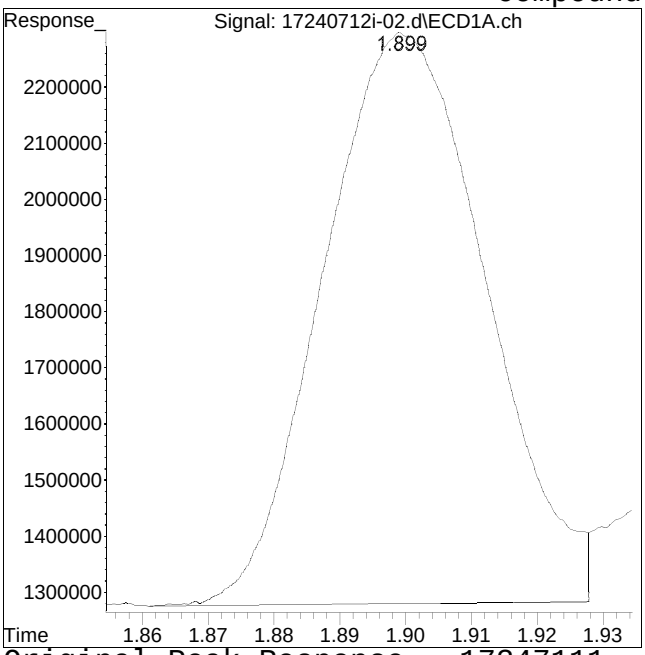


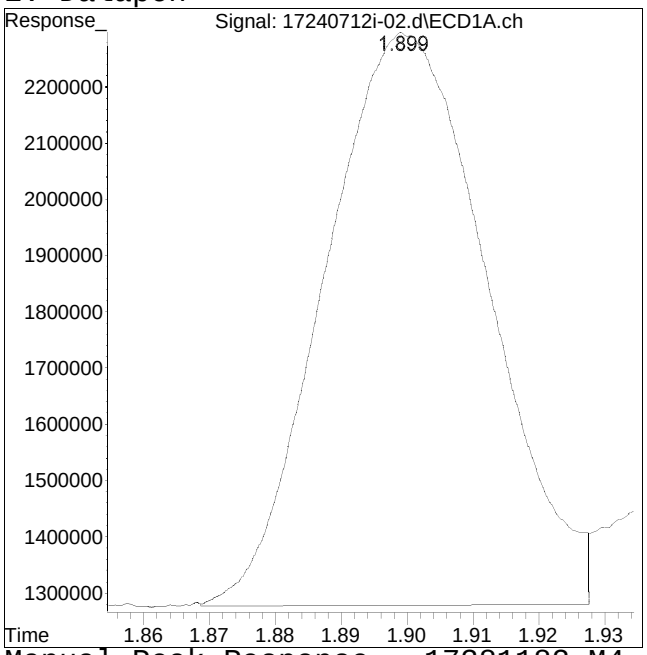
Manual Peak Response = 562889157 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #2: Dalapon



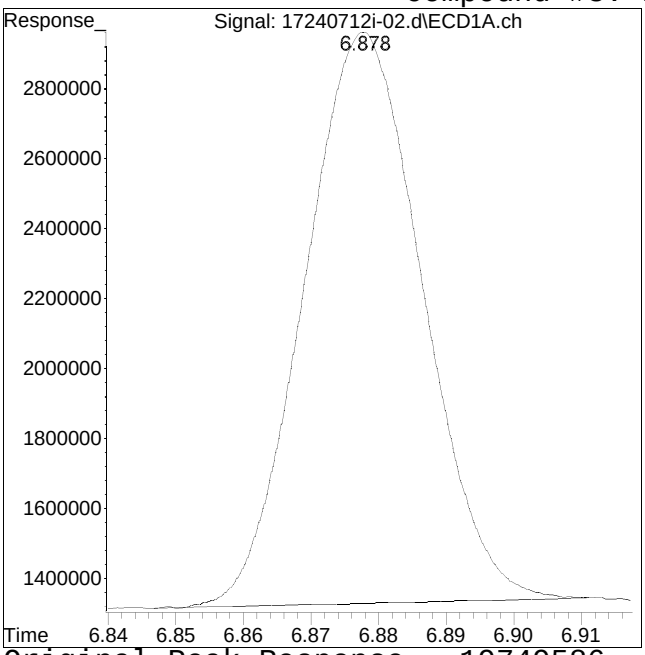


Original Peak Response = 17347111 Manual Peak Response = 17381182 M4
M4 = Poor automated baseline construction.

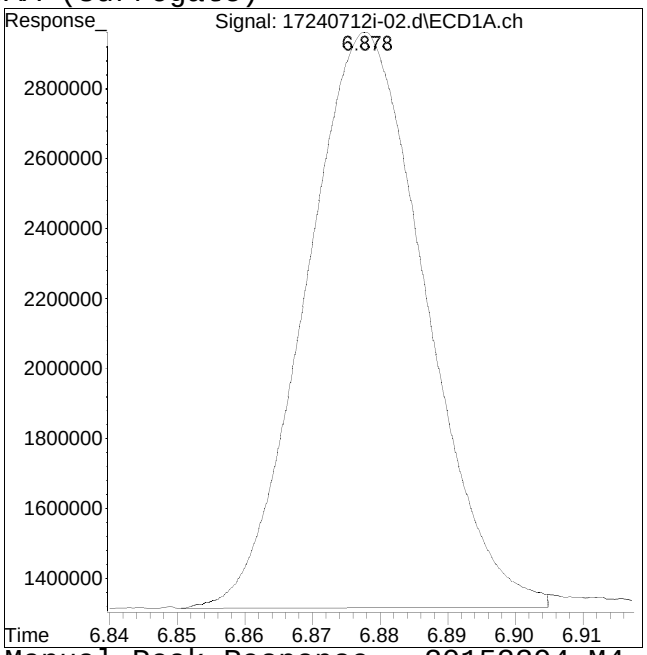
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #3: DCAA (surrogate)



Original Peak Response = 19749586



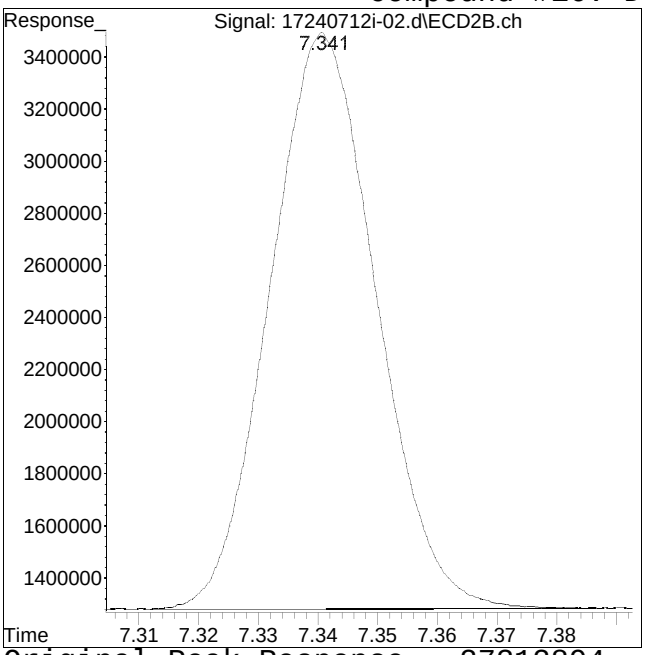
Manual Peak Response = 20152394 M4

M4 = Poor automated baseline construction.

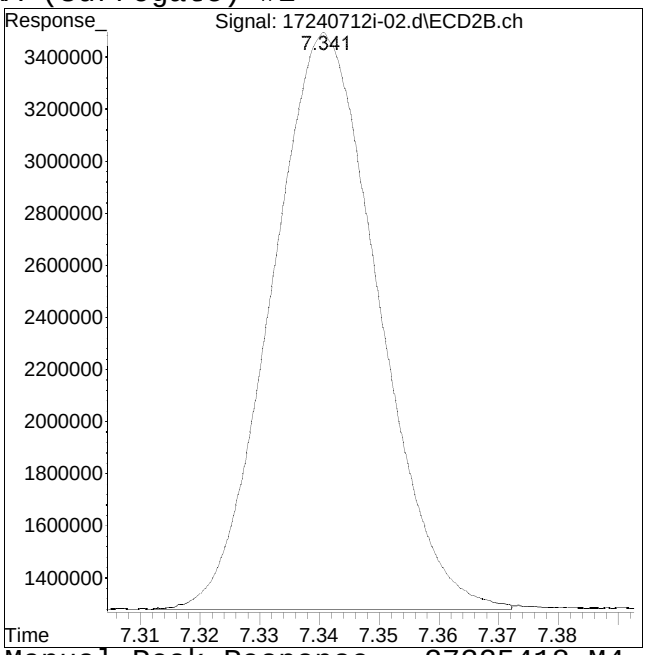
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 27312894



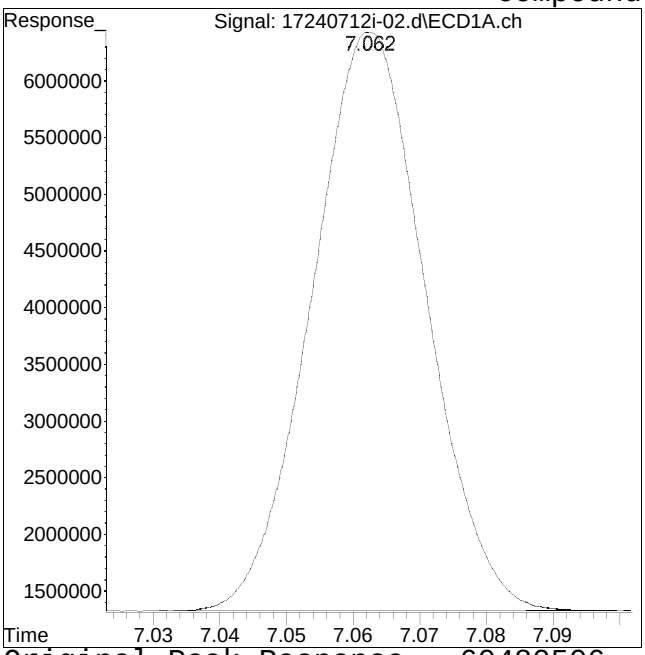
Manual Peak Response = 27325418 M4

M4 = Poor automated baseline construction.

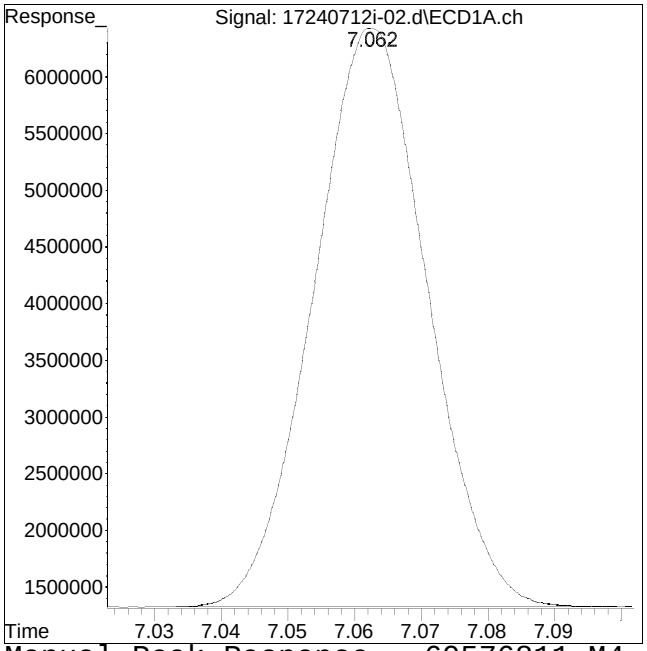
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #4: Dicamba



Original Peak Response = 60480506



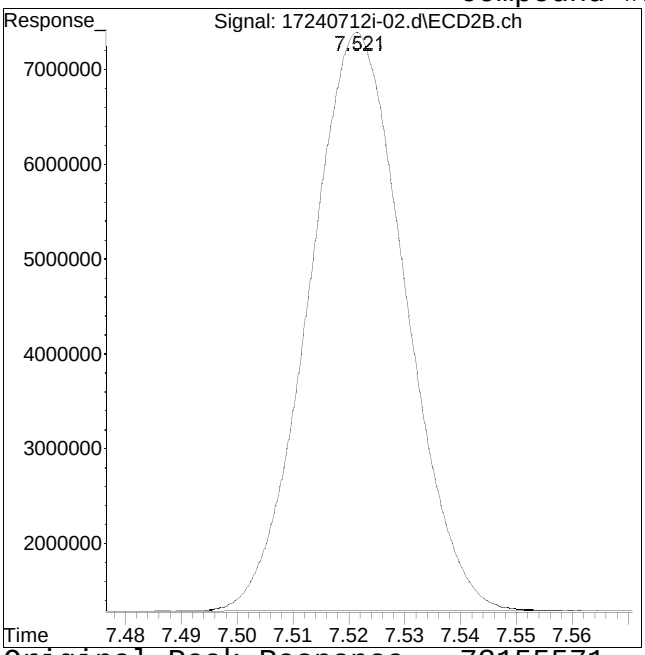
Manual Peak Response = 60576811 M4

M4 = Poor automated baseline construction.

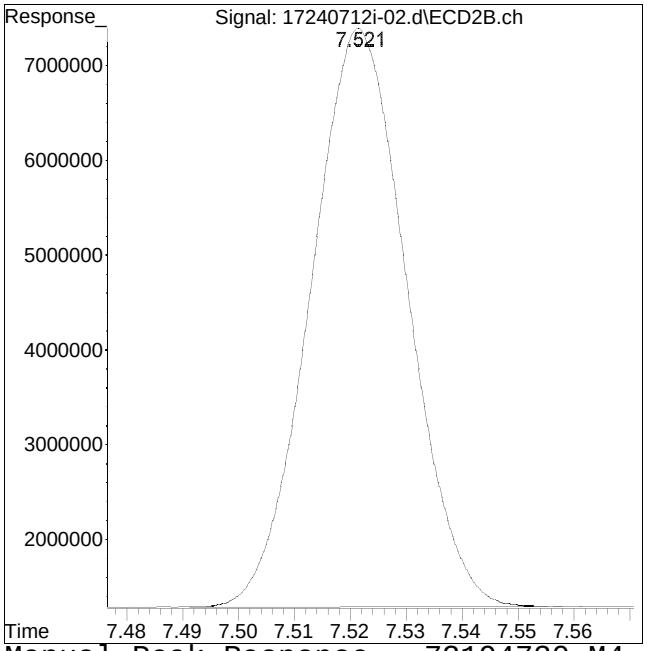
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #17: Dicamba #2



Original Peak Response = 73155571



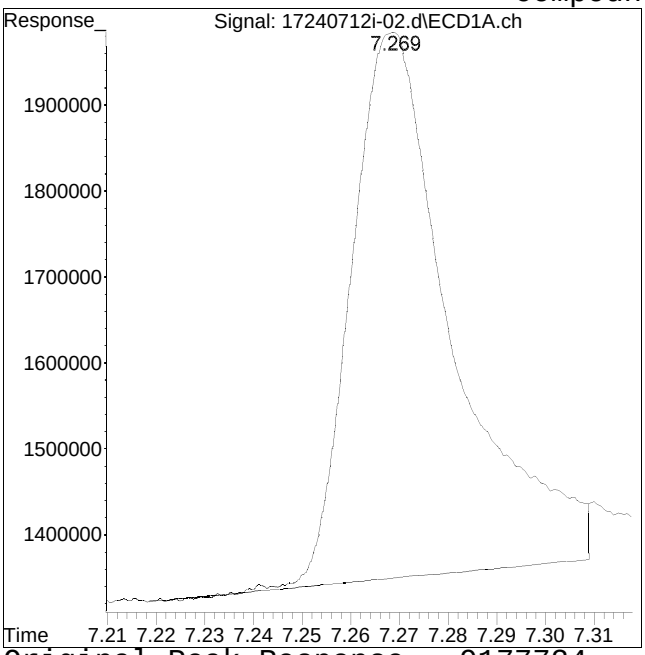
Manual Peak Response = 73194730 M4

M4 = Poor automated baseline construction.

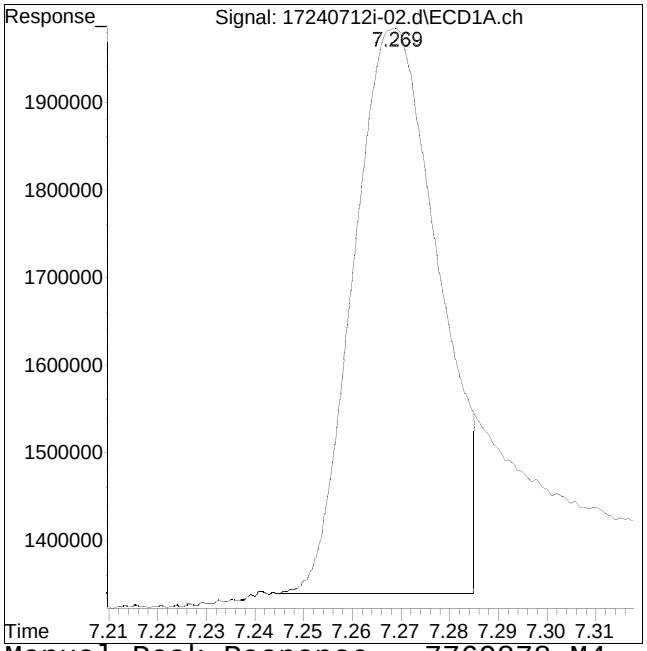
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #5: MCPP



Original Peak Response = 9177724



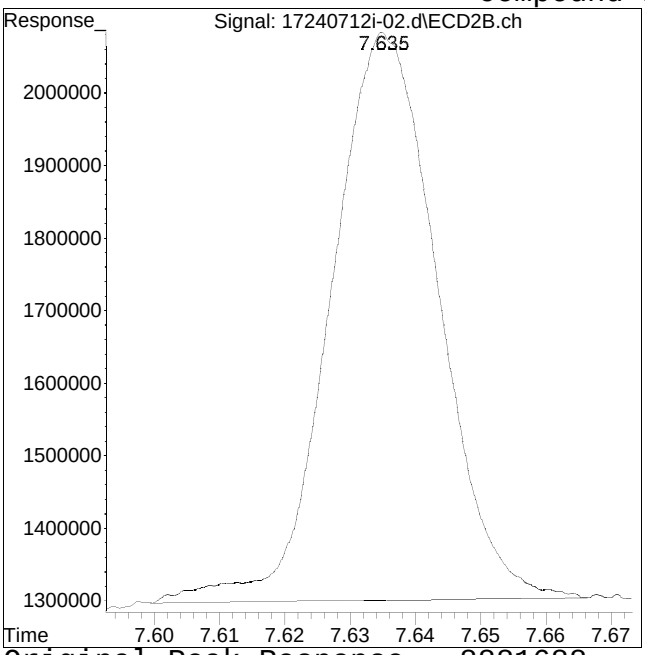
Manual Peak Response = 7769878 M4

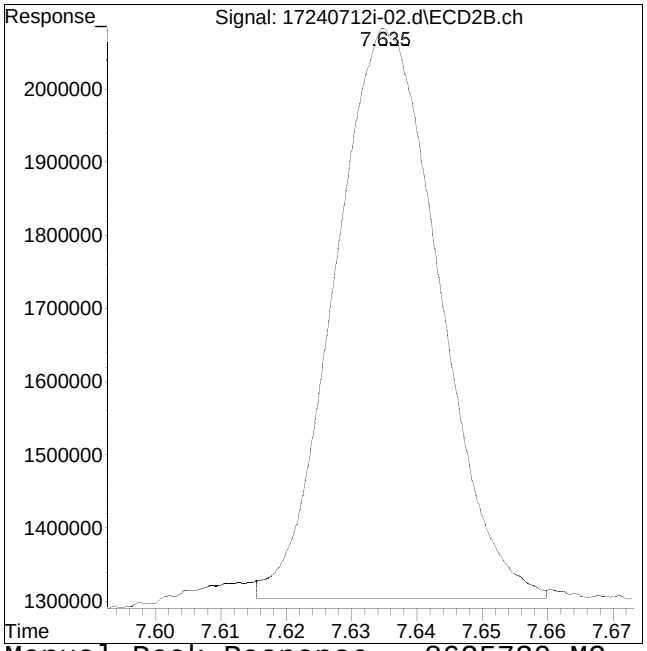
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #18: MCPP #2



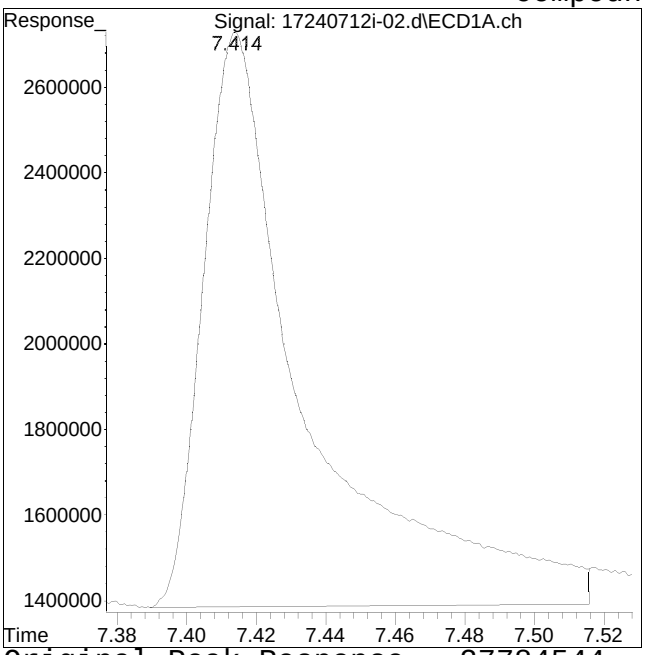


Original Peak Response = 8881688 Manual Peak Response = 8625730 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

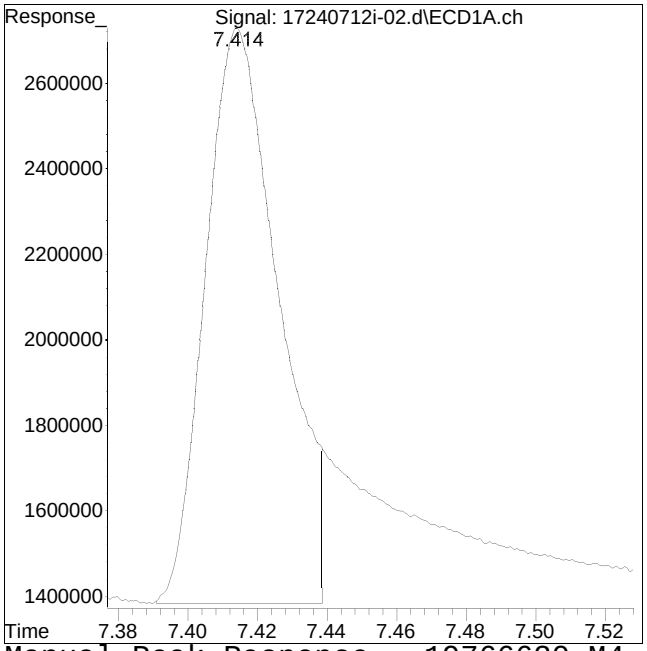
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #6: MCPA



Original Peak Response = 27784544

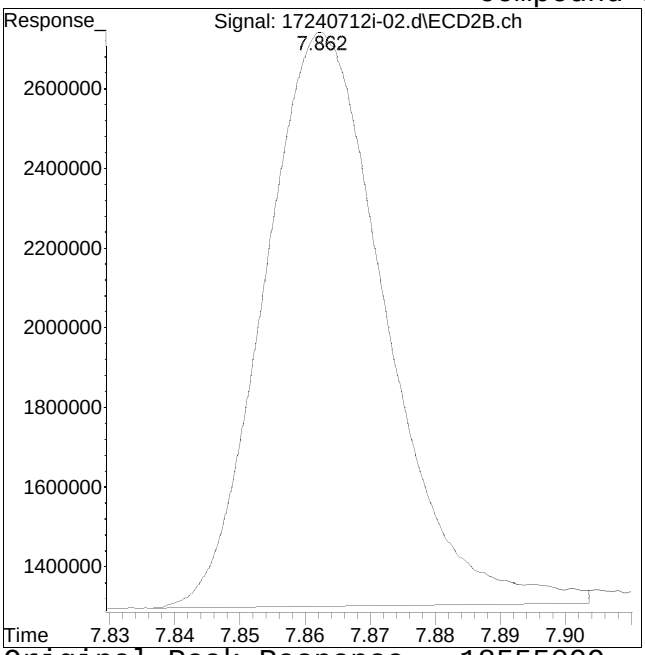


Manual Peak Response = 19766620 M4
M4 = Poor automated baseline construction.

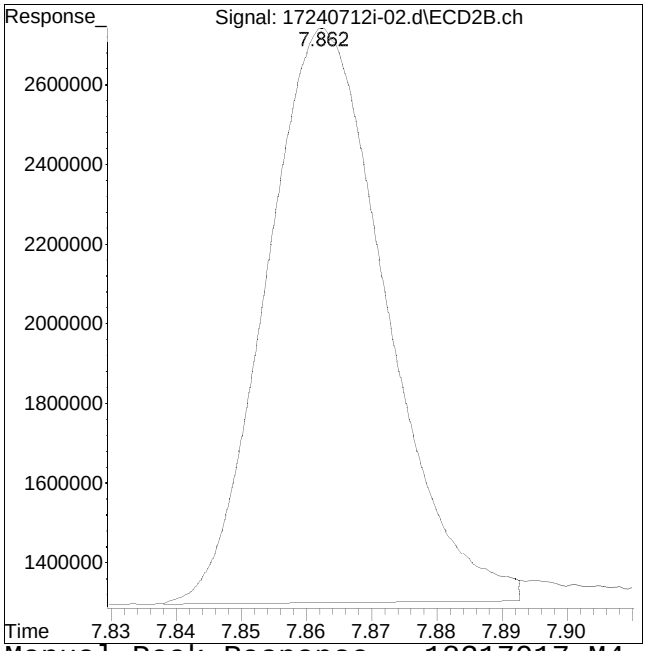
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #19: MCPA #2



Original Peak Response = 18555099



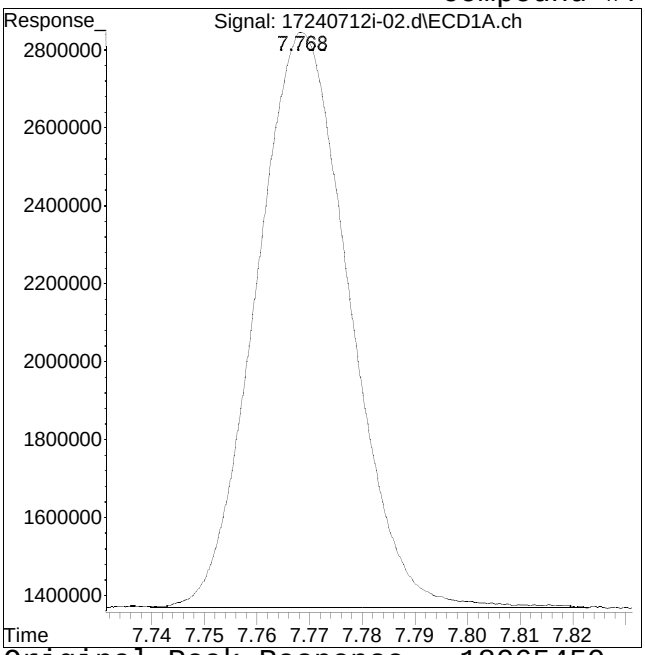
Manual Peak Response = 18317017 M4

M4 = Poor automated baseline construction.

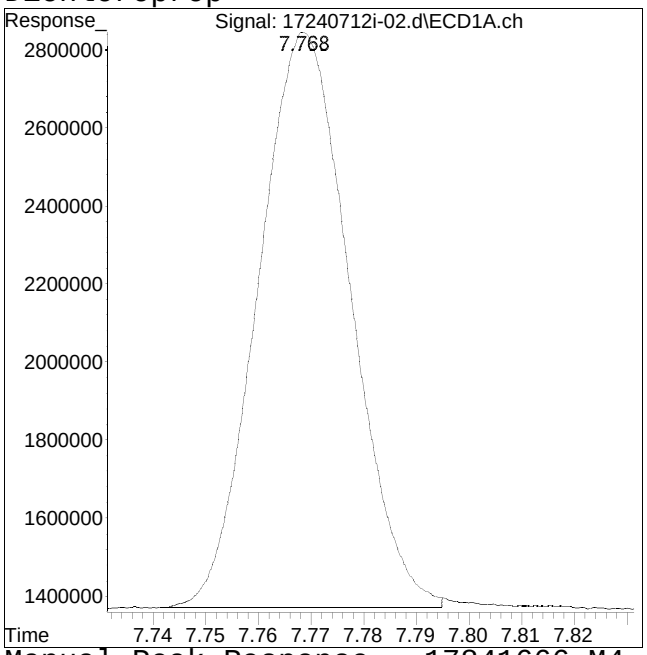
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #7: Dichloroprop



Original Peak Response = 18065450



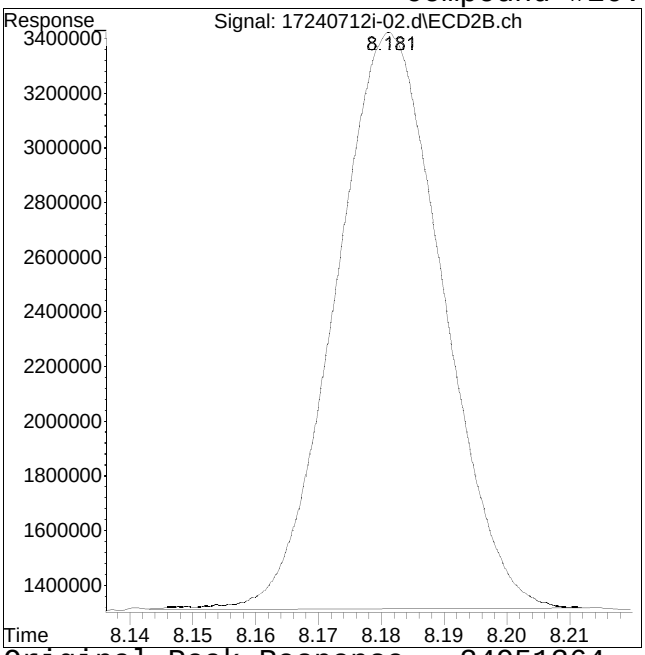
Manual Peak Response = 17841666 M4

M4 = Poor automated baseline construction.

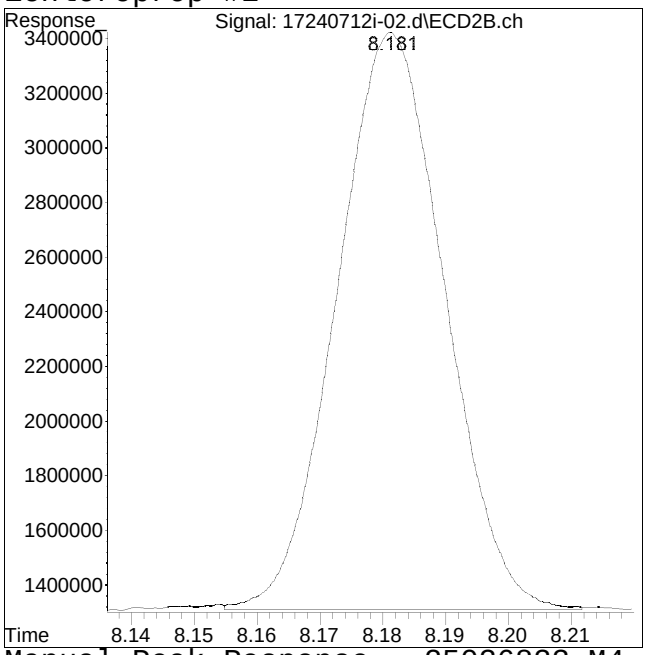
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #20: Dichloroprop #2



Original Peak Response = 24951364



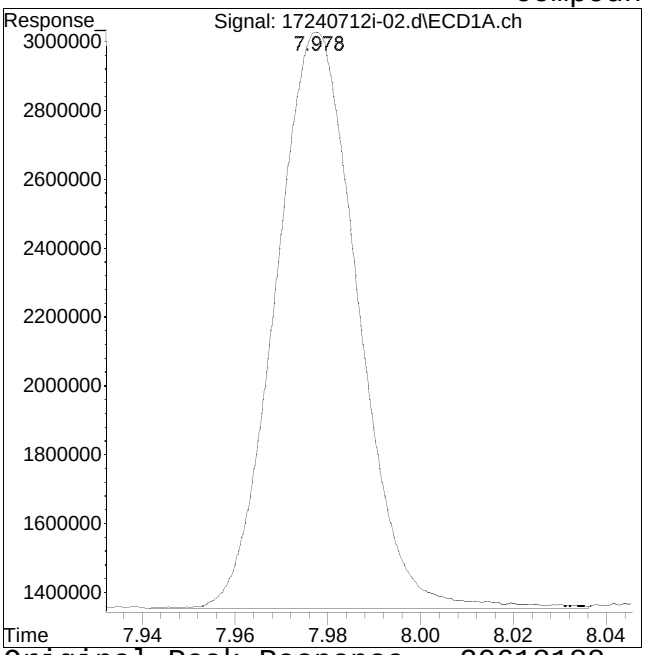
Manual Peak Response = 25036833 M4

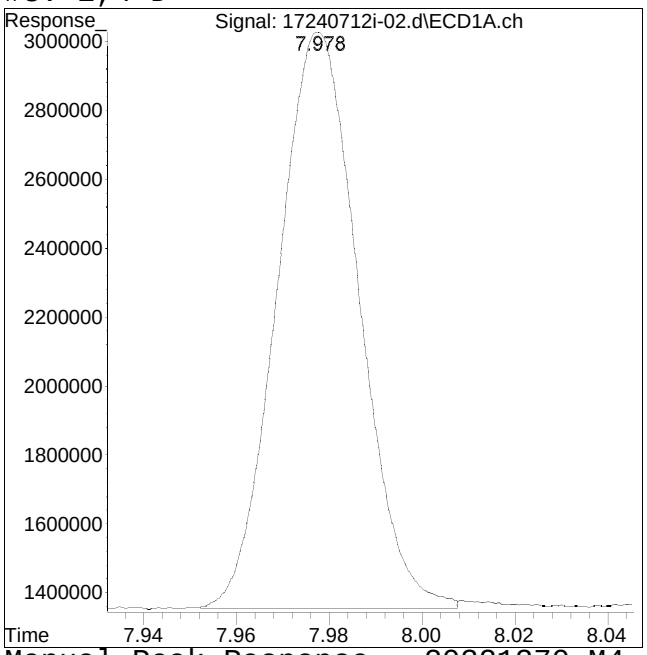
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #8: 2,4-D



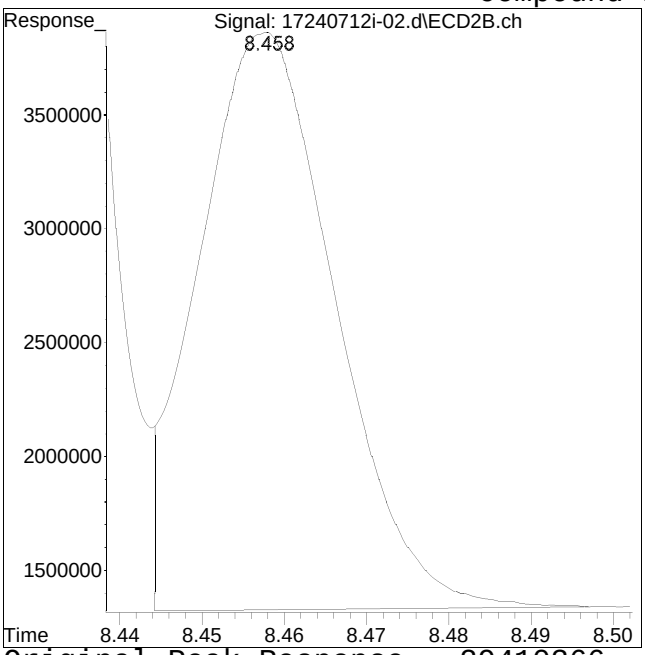


Original Peak Response = 20618188 Manual Peak Response = 20321370 M4
M4 = Poor automated baseline construction.

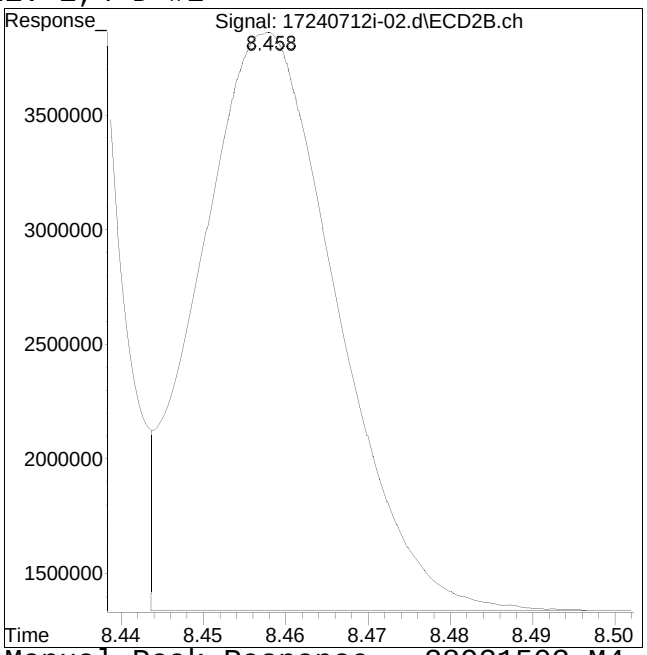
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #21: 2,4-D #2



Original Peak Response = 29410366



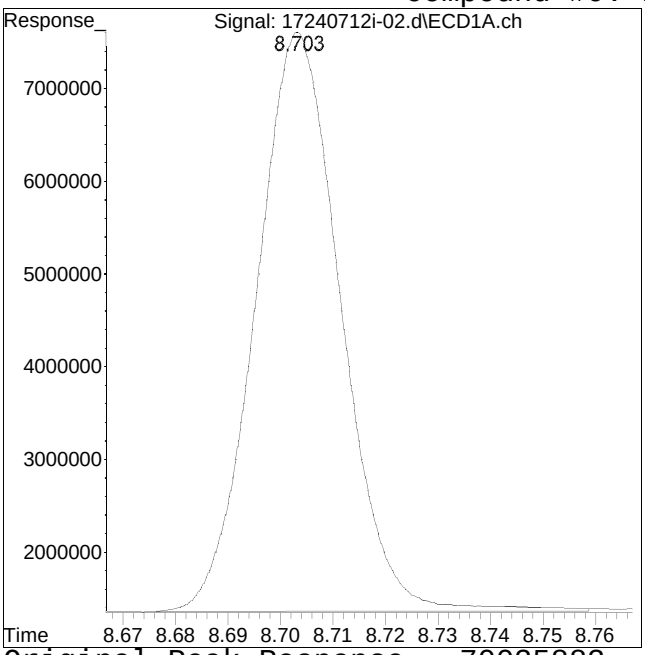
Manual Peak Response = 28931503 M4

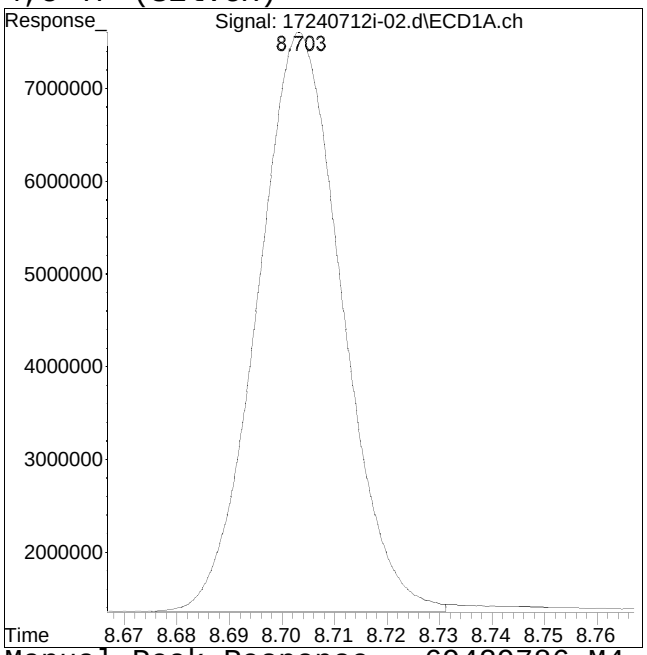
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #9: 2,4,5-TP (Silvex)



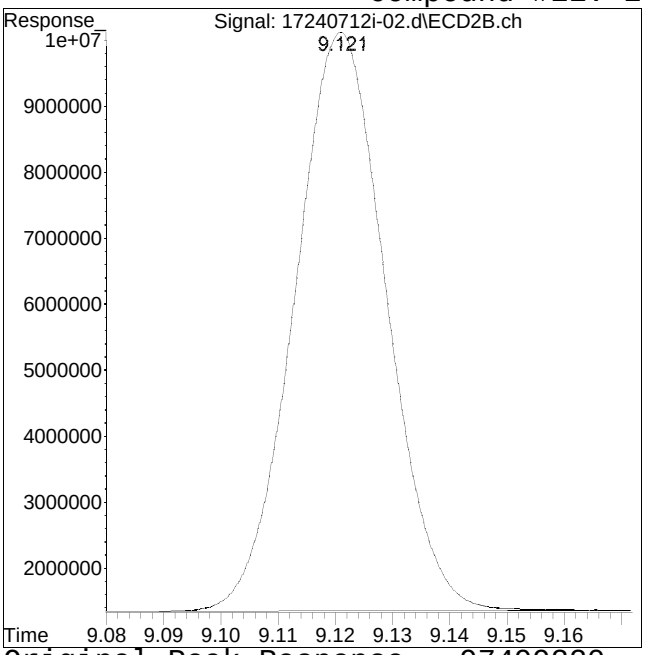


Original Peak Response = 70035883 Manual Peak Response = 69429786 M4
M4 = Poor automated baseline construction.

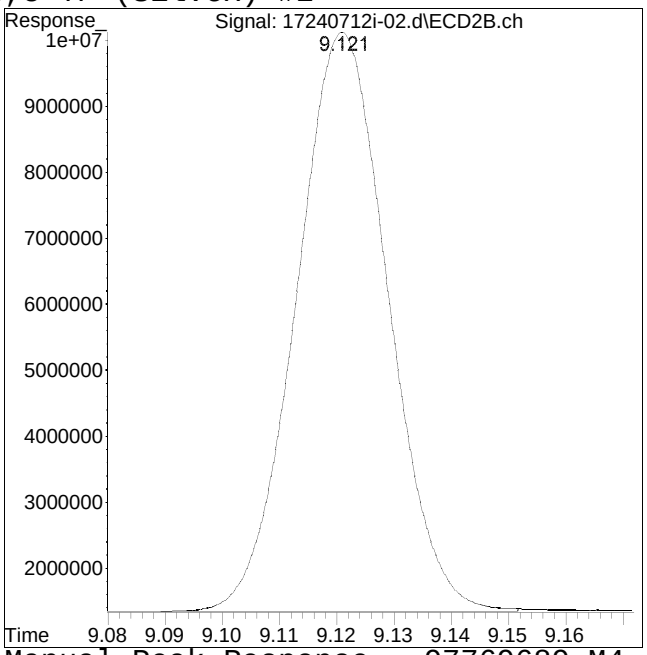
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 97499220



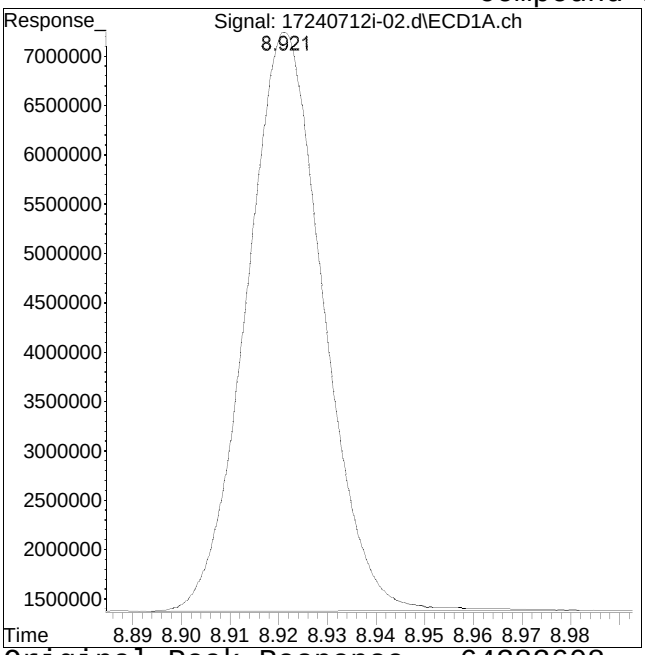
Manual Peak Response = 97769689 M4

M4 = Poor automated baseline construction.

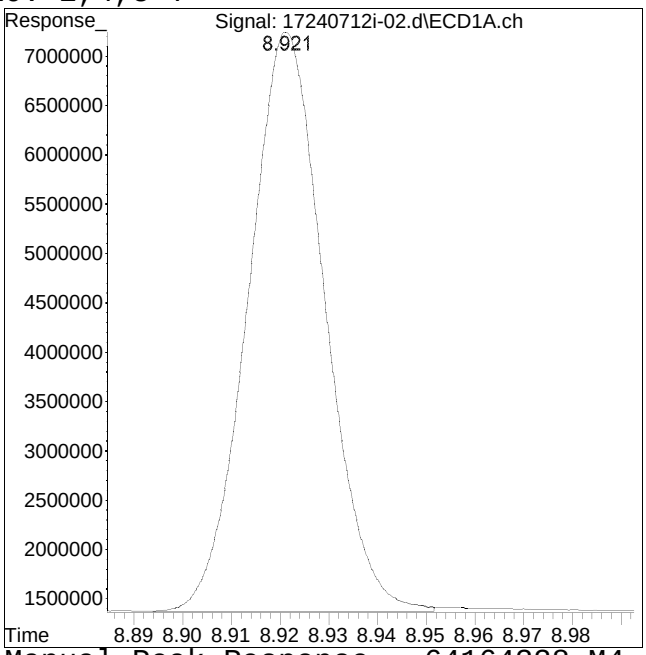
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #10: 2,4,5-T



Original Peak Response = 64383608



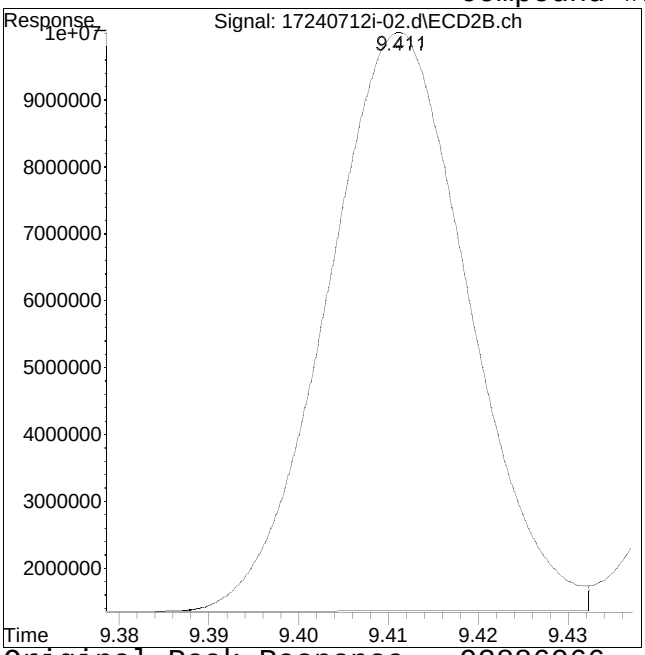
Manual Peak Response = 64164338 M4

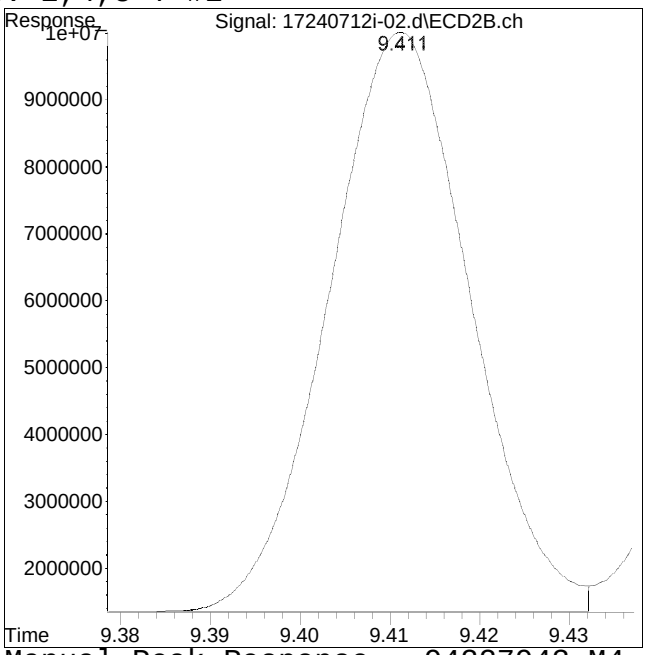
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #23: 2,4,5-T #2



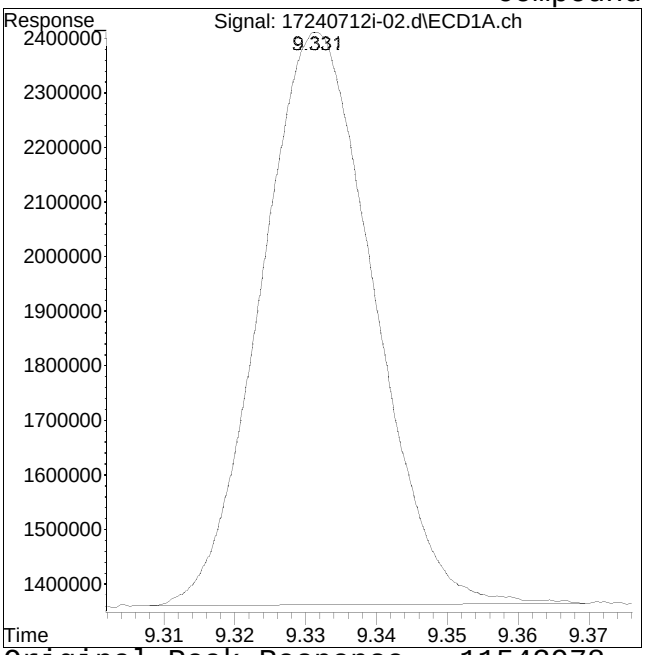


Original Peak Response = 93886066 Manual Peak Response = 94227943 M4
M4 = Poor automated baseline construction.

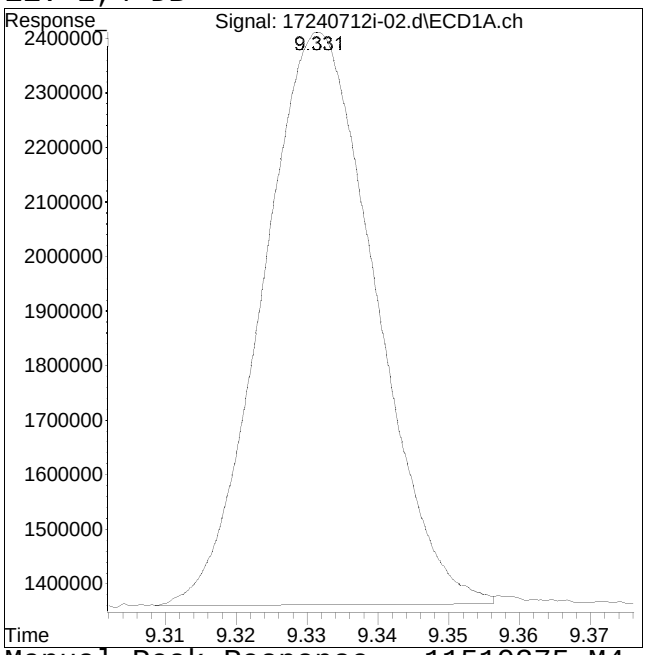
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #11: 2,4-DB



Original Peak Response = 11543978

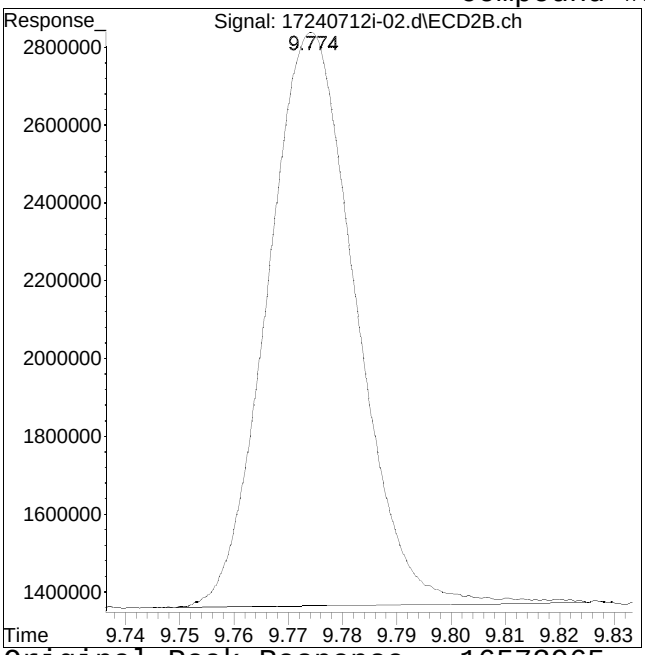


Manual Peak Response = 11510375 M4
M4 = Poor automated baseline construction.

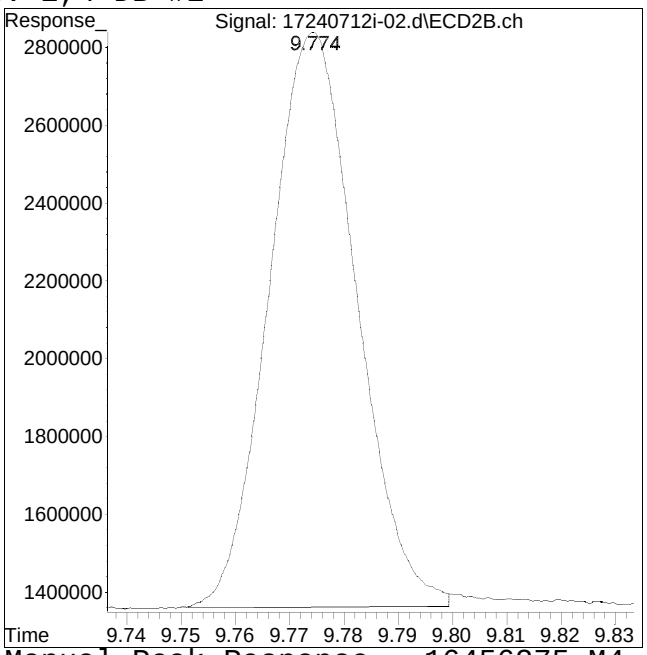
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #24: 2,4-DB #2



Original Peak Response = 16573965



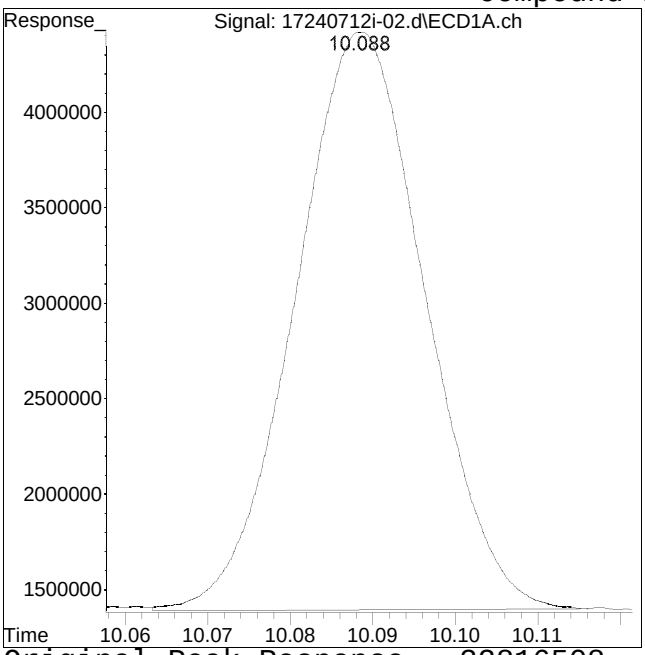
Manual Peak Response = 16456275 M4

M4 = Poor automated baseline construction.

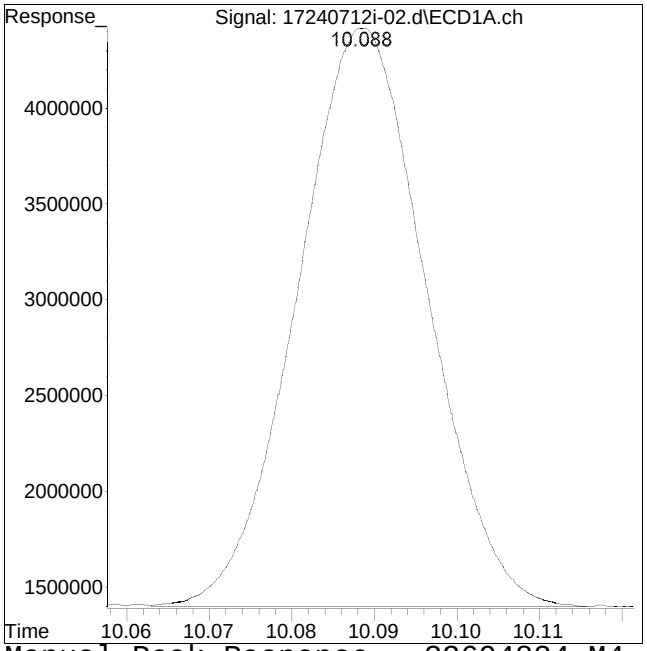
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #12: Dinoseb



Original Peak Response = 32816508



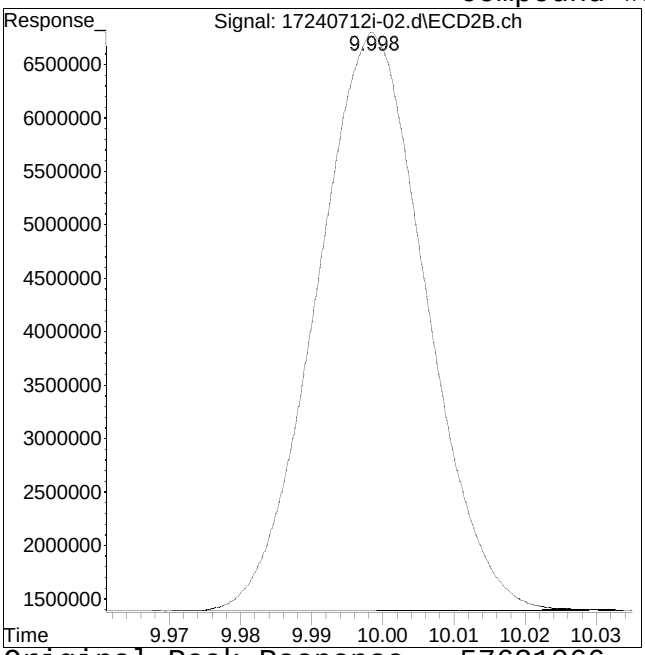
Manual Peak Response = 32694824 M4

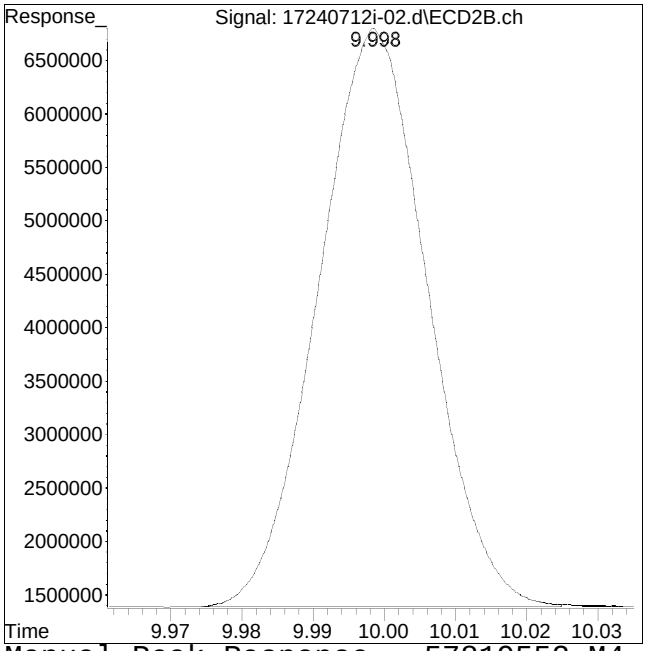
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-02.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:41 pm Instrument : Pest 17
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/13/2024 9:58 am

Compound #25: Dinoseb #2





Original Peak Response = 57631066 Manual Peak Response = 57819552 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.433	8.419	558.5E6	591.1E6	0.250M4	0.250M4
	System Monitoring Compounds						
3) s	DCAA (surrog	6.876	7.340	38447856	51367957	0.110M4	0.112M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	22.00%#	22.40%#
	Target Compounds						
2) t	Dalapon	1.899	1.922	32330733	48995358	0.104M4	0.108M4
4) t	Dicamba	7.061	7.521	121.2E6	143.3E6	0.102M4	0.105M4
5) t	MCPP	7.267	7.635	18783491	18354827	10.968M4	10.652M3
6) t	MCPA	7.412	7.862	35304359	33696672	12.823M4	11.759M4
7) t	Dichloroprop	7.766	8.181	34637890	47562773	0.105M4	0.112M4
8) t	2,4-D	7.975	8.457	39411355	57422212	0.104M4	0.111M4
9) t	2,4,5-TP (Si	8.702	9.121	143.1E6	196.1E6	0.098M4	0.103M4
10) t	2,4,5-T	8.920	9.410	131.0E6	188.3E6	0.098M4	0.103M4
11) t	2,4-DB	9.330	9.773	22835554	32242869	0.106M4	0.108M4
12) t	Dinoseb	10.087	9.997	64348355	115.1E6	0.107M4	0.104M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

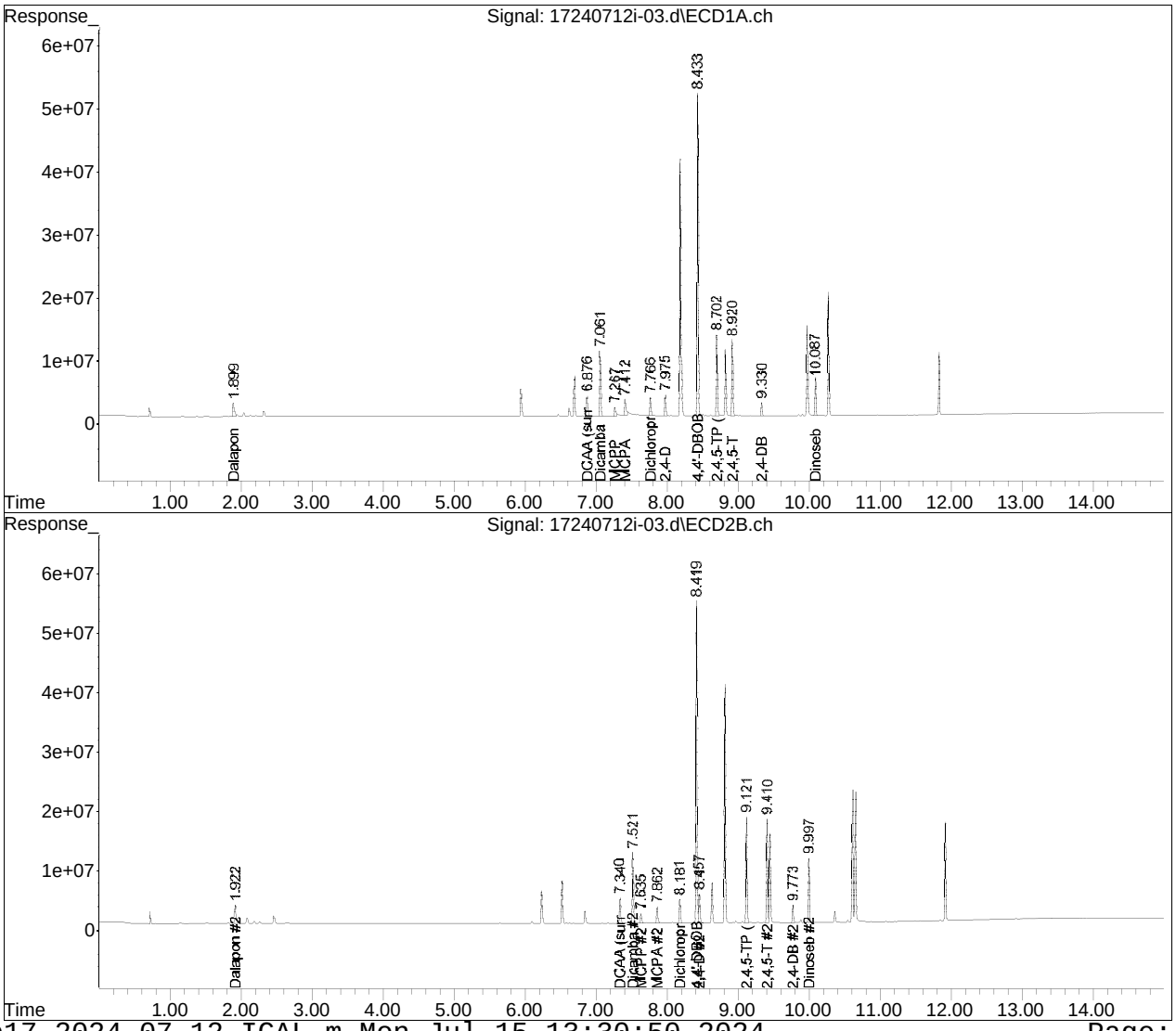
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 2:59 pm
Operator : PEST17:peg
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:50:51 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:50:42 2024
Response via : Initial Calibration
Integrator: ChemStation

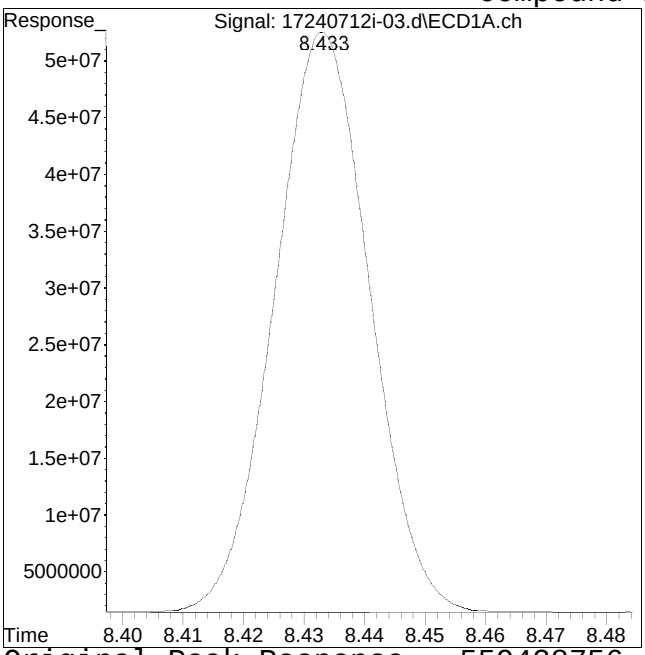
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



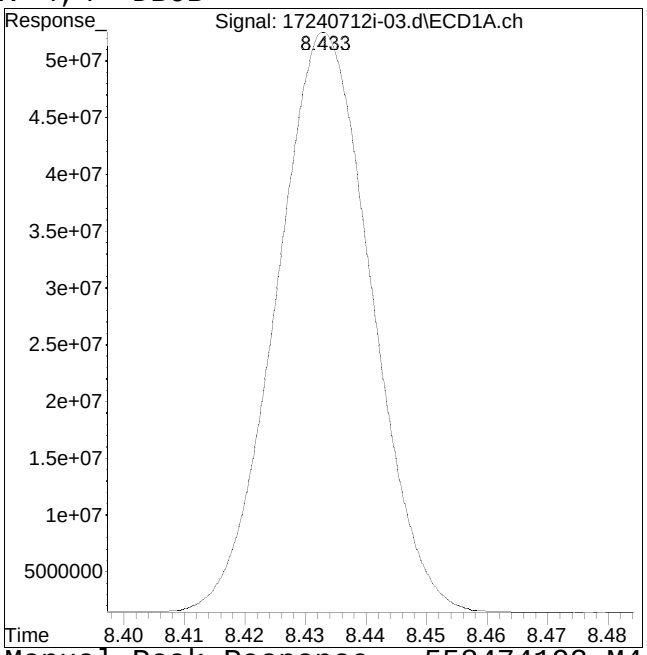
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #1: 4,4'-DBOB



Original Peak Response = 559428756

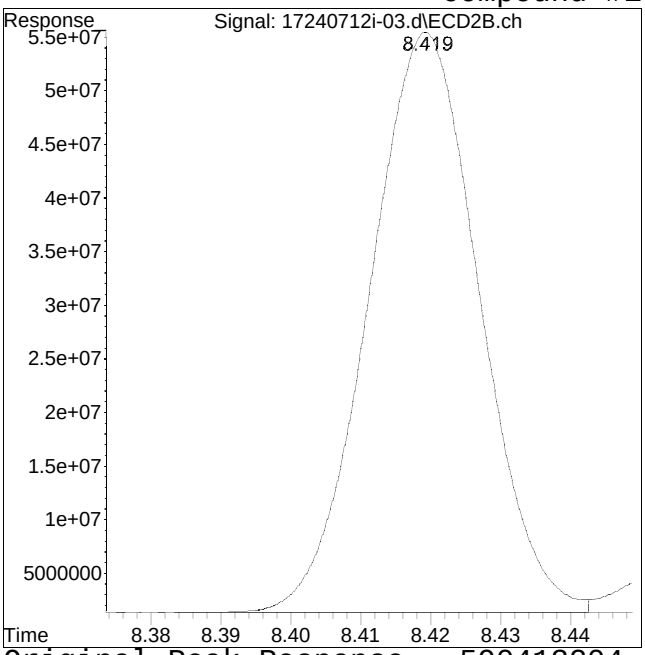


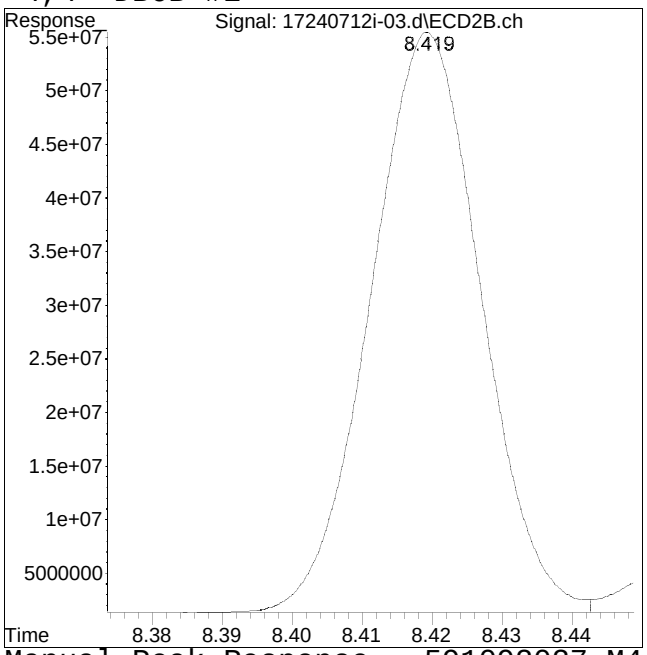
Manual Peak Response = 558474192 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #14: 4,4'-DBOB #2



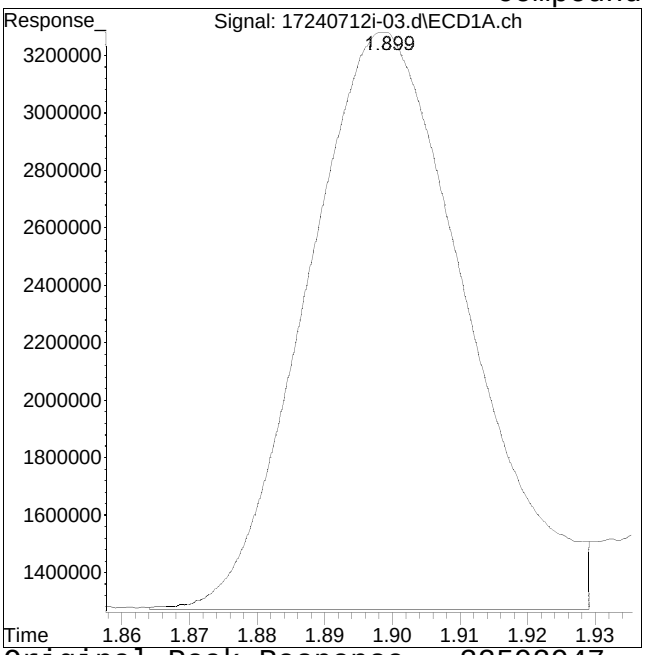


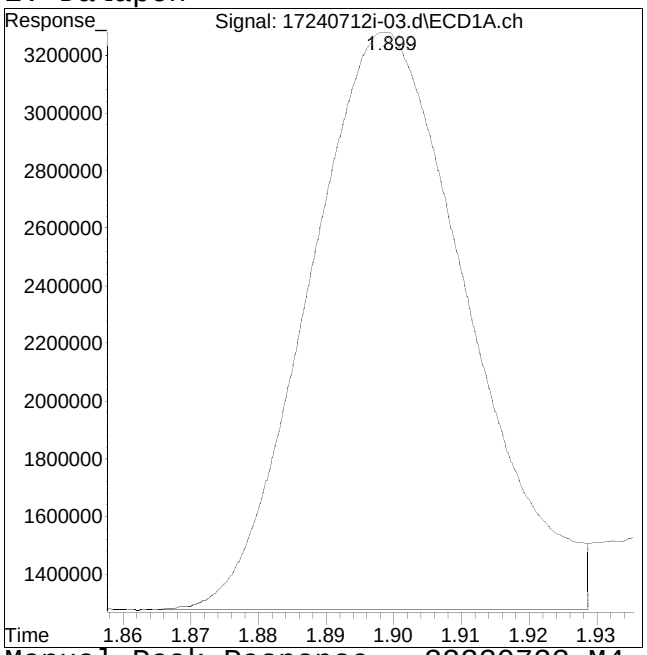
Original Peak Response = 590413204 Manual Peak Response = 591092027 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #2: Dalapon



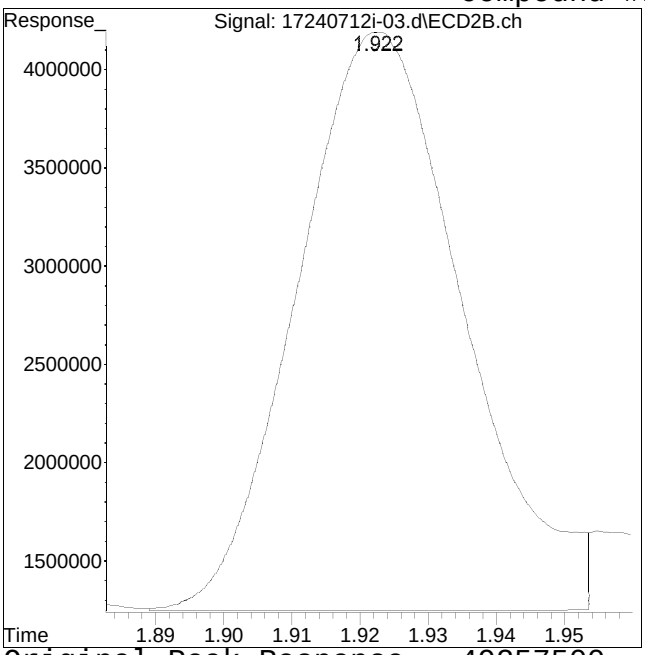


Original Peak Response = 32592947 Manual Peak Response = 32330733 M4
M4 = Poor automated baseline construction.

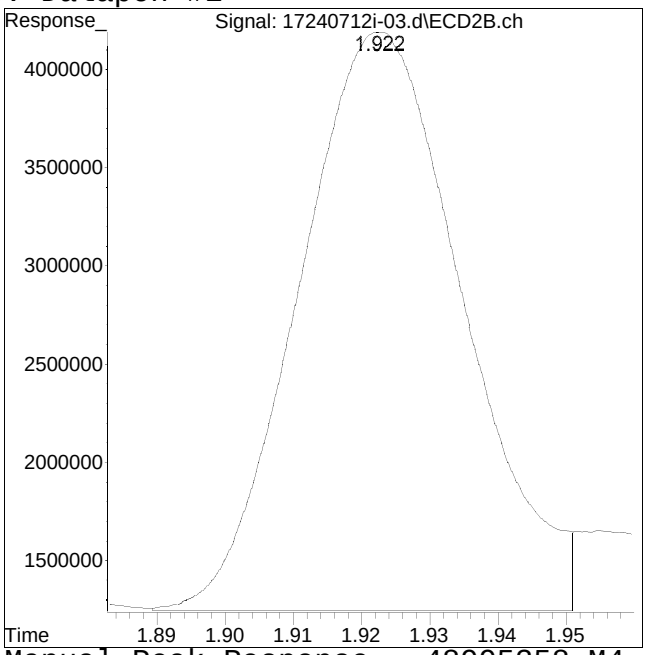
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #15: Dalapon #2



Original Peak Response = 49257500



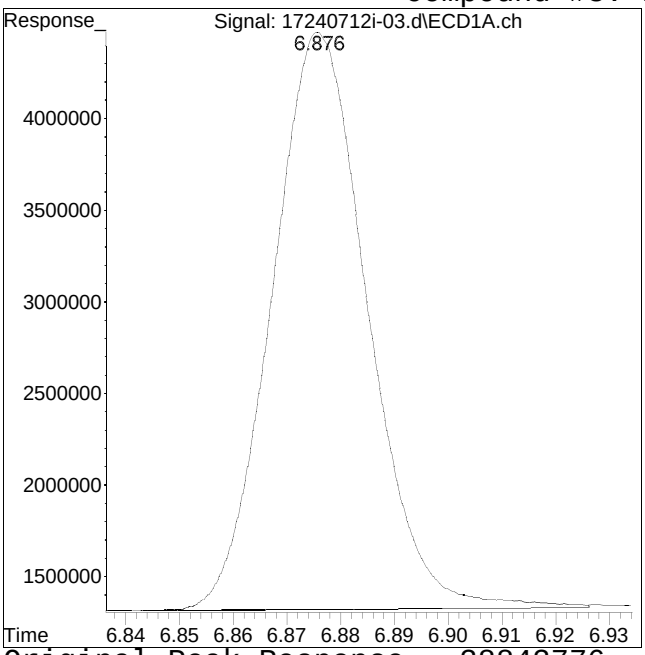
Manual Peak Response = 48995358 M4

M4 = Poor automated baseline construction.

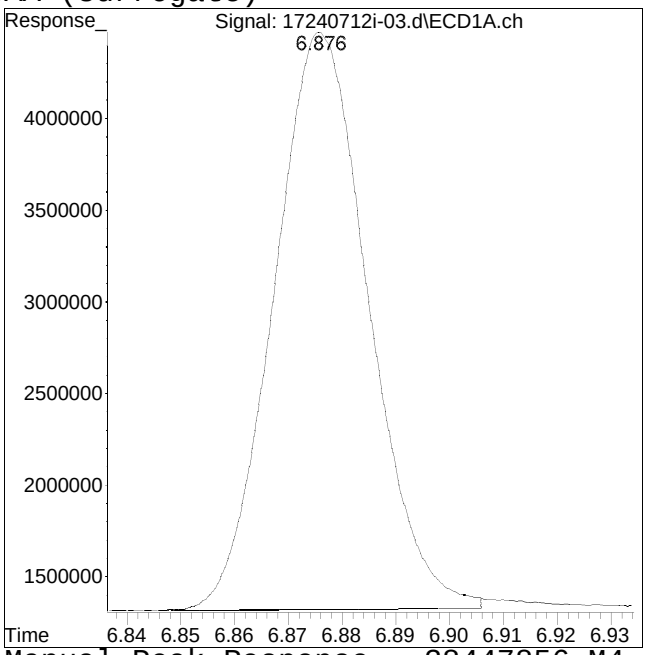
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #3: DCAA (surrogate)



Original Peak Response = 38843776



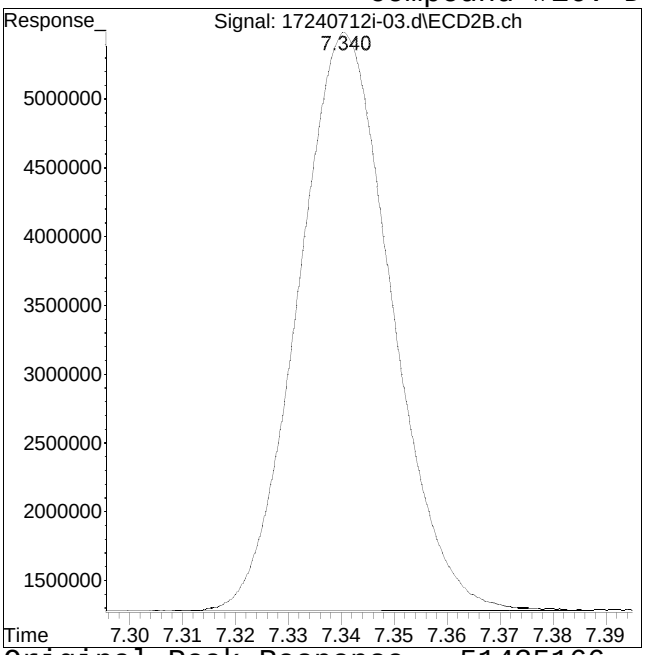
Manual Peak Response = 38447856 M4

M4 = Poor automated baseline construction.

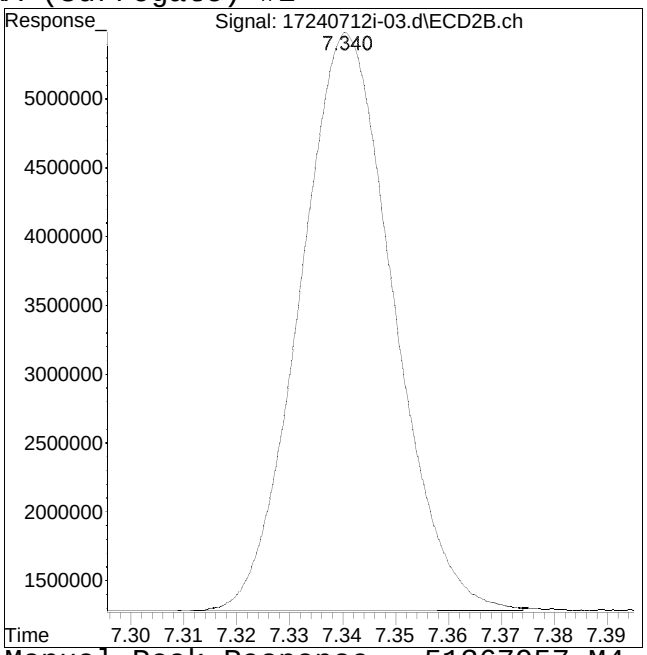
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 51435166



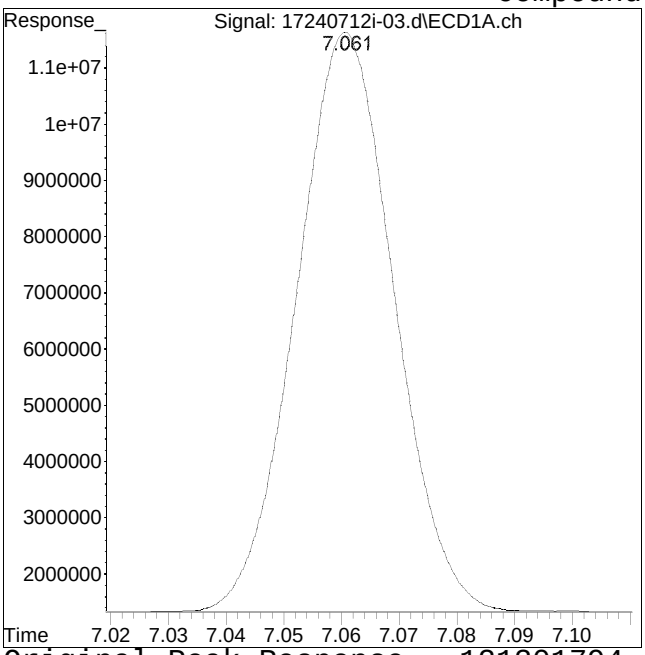
Manual Peak Response = 51367957 M4

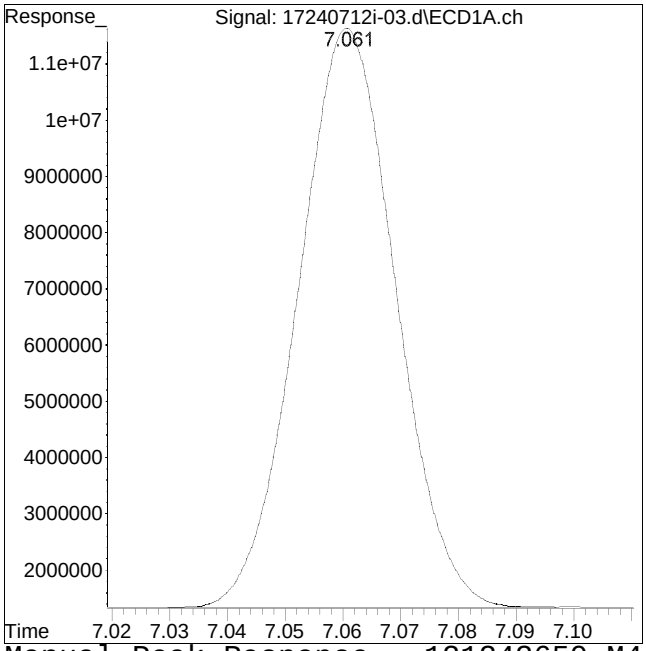
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #4: Dicamba



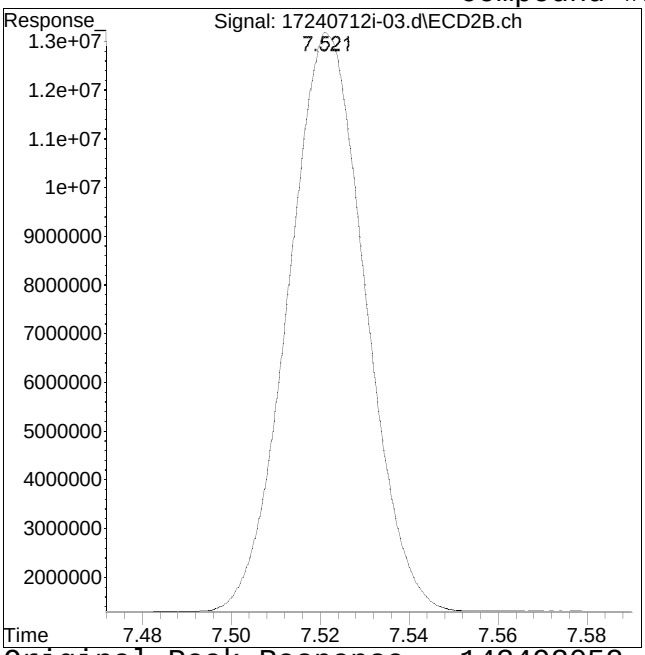


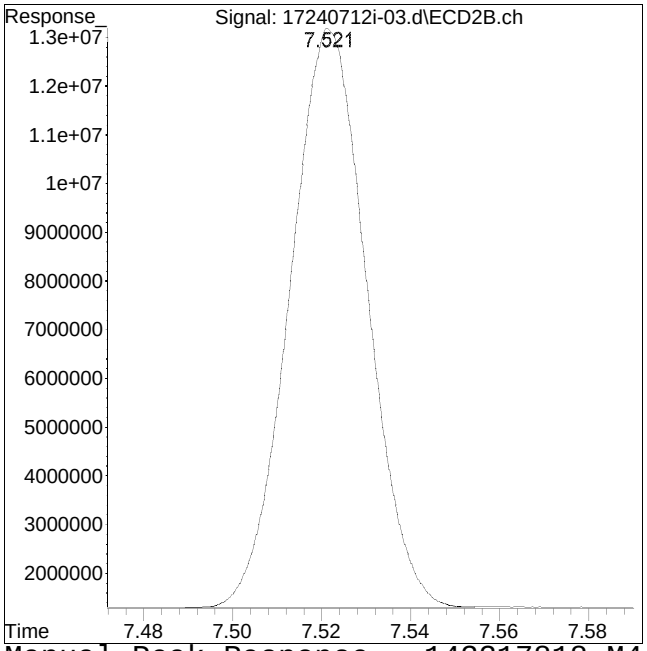
Original Peak Response = 121301794 Manual Peak Response = 121243650 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #17: Dicamba #2



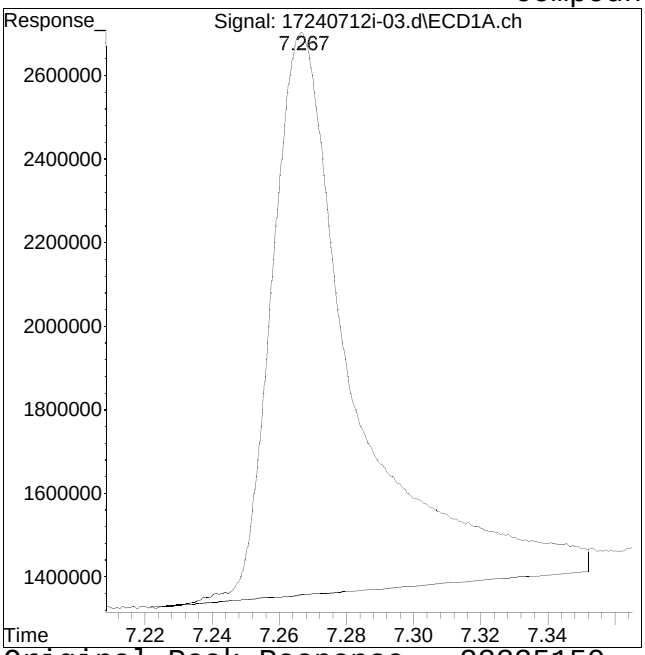


Original Peak Response = 143492052 Manual Peak Response = 143317818 M4
M4 = Poor automated baseline construction.

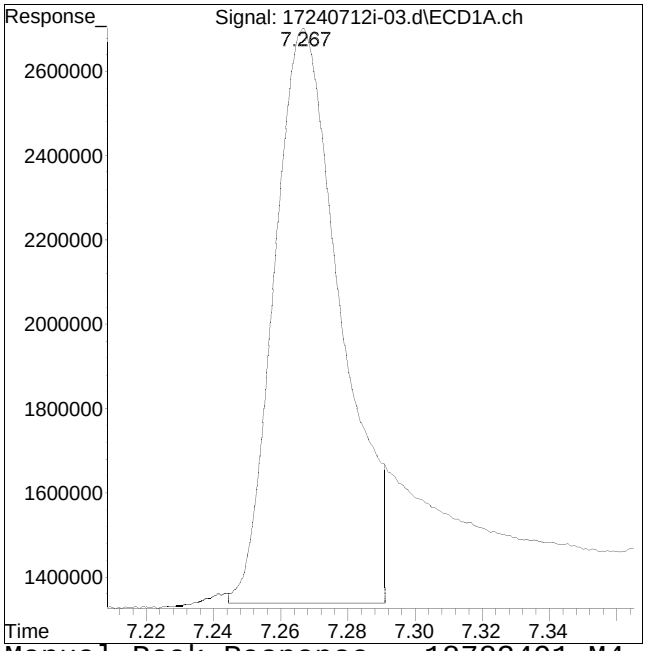
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #5: MCPP



Original Peak Response = 23335150



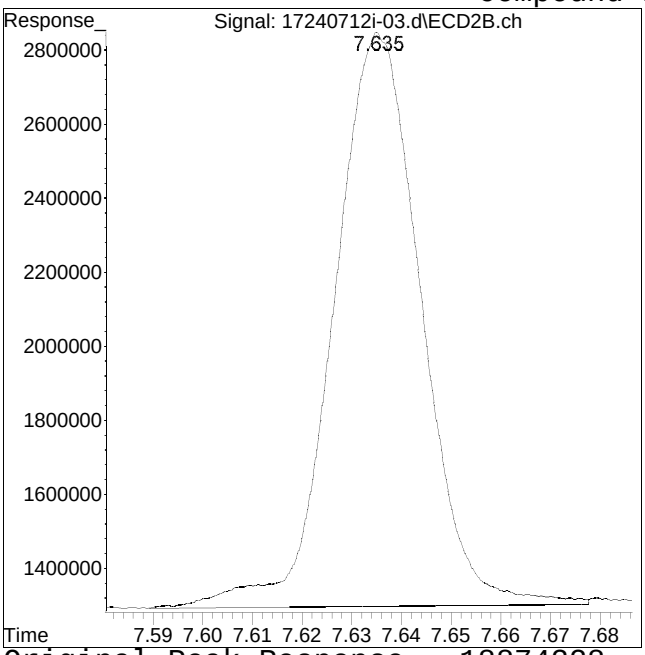
Manual Peak Response = 18783491 M4

M4 = Poor automated baseline construction.

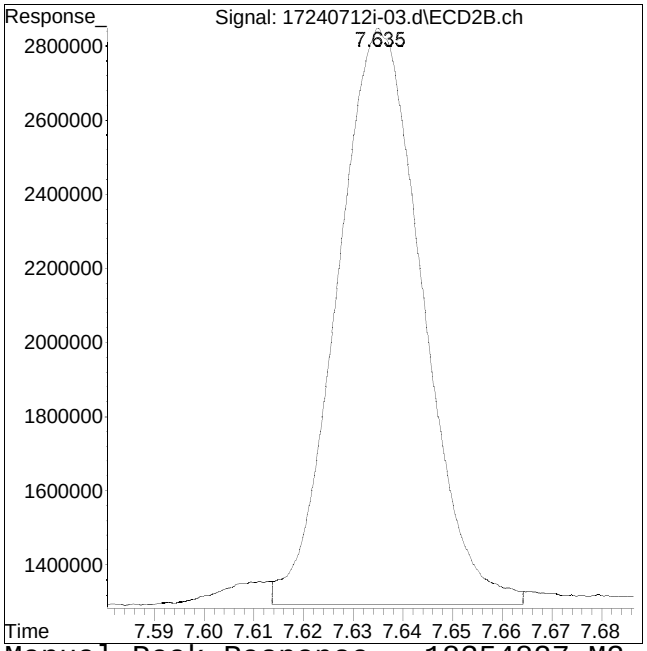
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #18: MCPP #2



Original Peak Response = 18874228



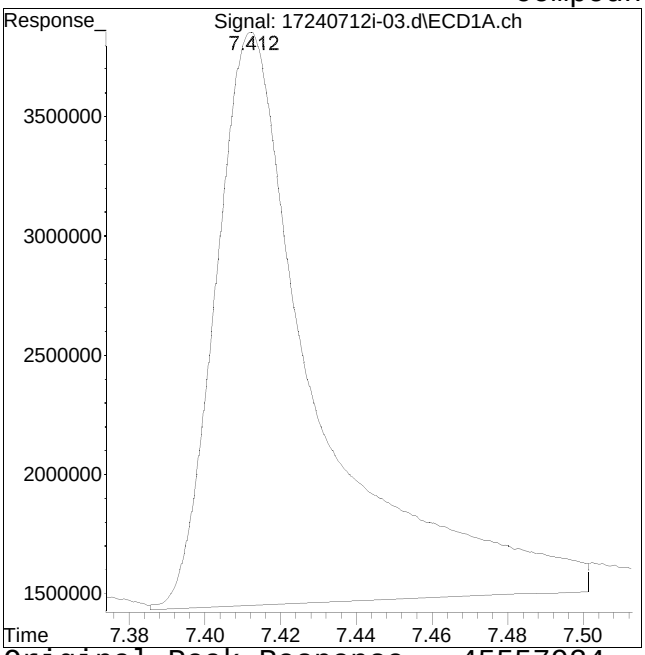
Manual Peak Response = 18354827 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

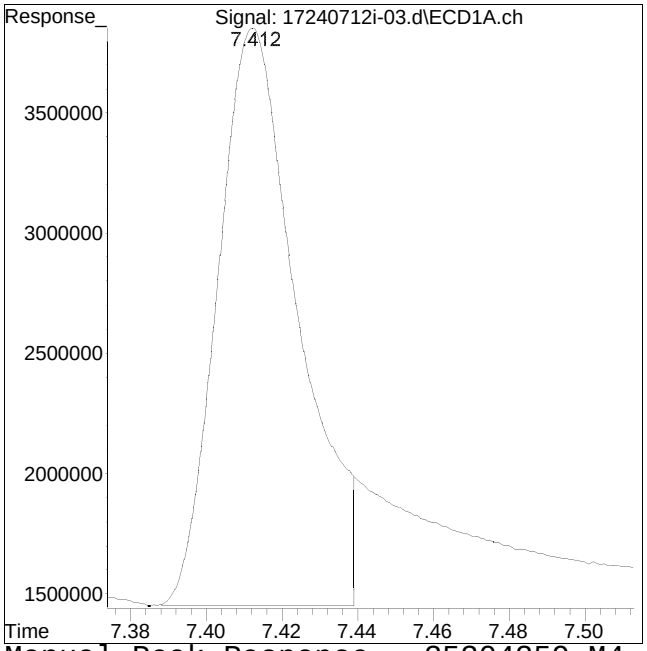
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #6: MCPA



Original Peak Response = 45557934



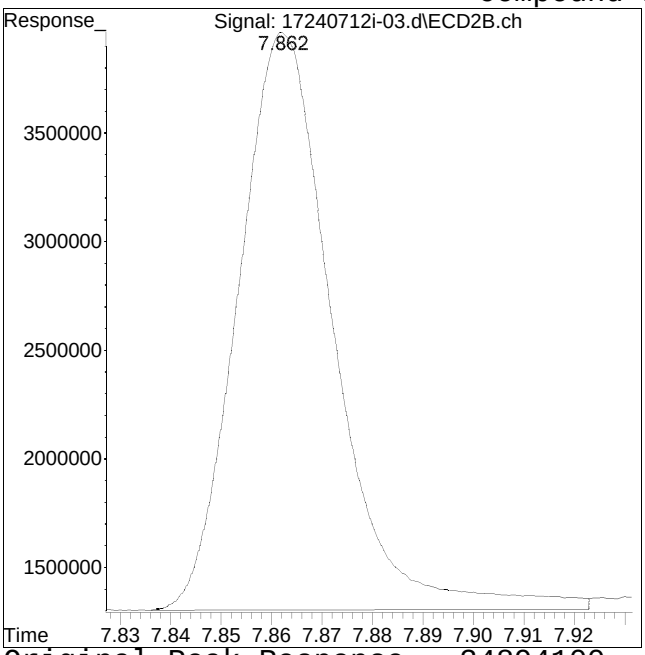
Manual Peak Response = 35304359 M4

M4 = Poor automated baseline construction.

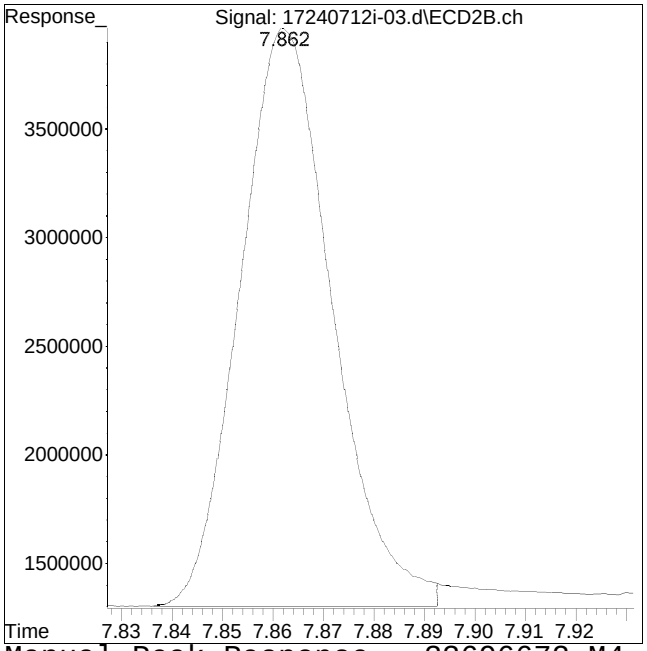
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #19: MCPA #2



Original Peak Response = 34894100



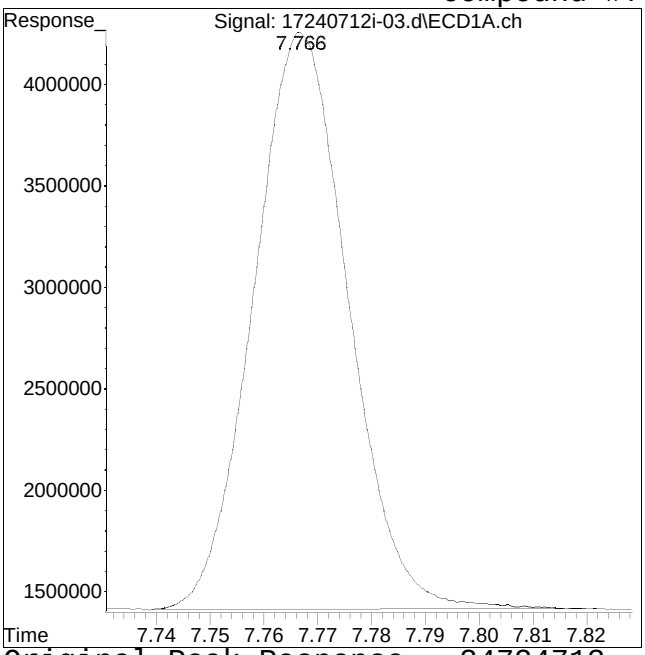
Manual Peak Response = 33696672 M4

M4 = Poor automated baseline construction.

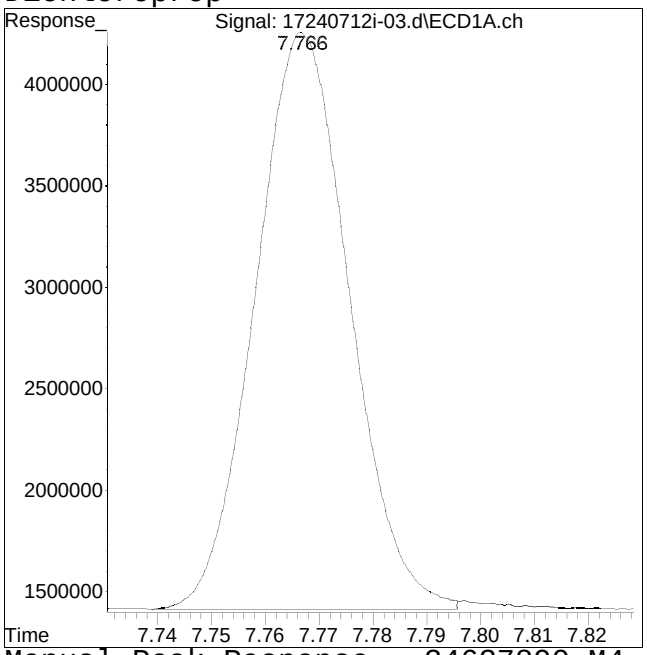
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #7: Dichloroprop



Original Peak Response = 34724713



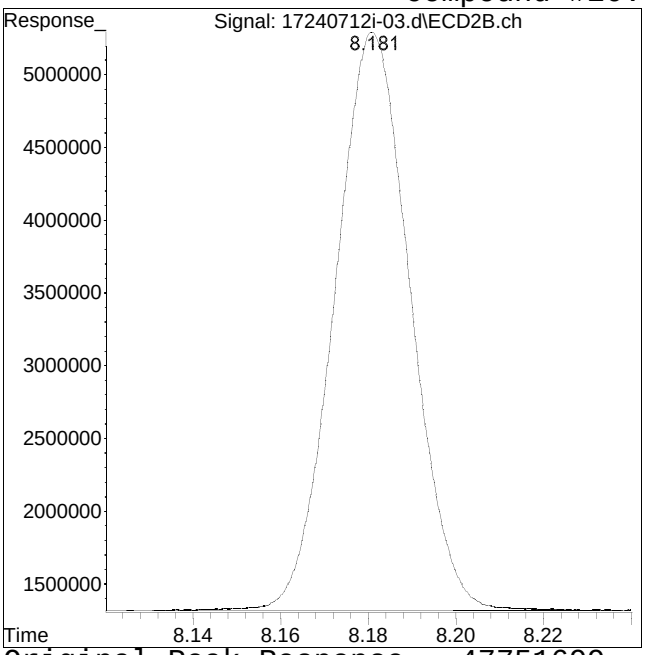
Manual Peak Response = 34637890 M4

M4 = Poor automated baseline construction.

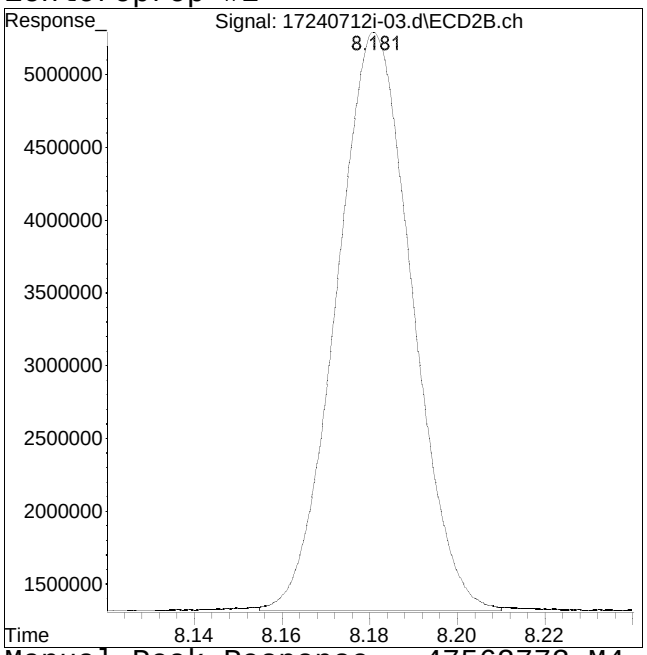
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #20: Dichloroprop #2



Original Peak Response = 47751699



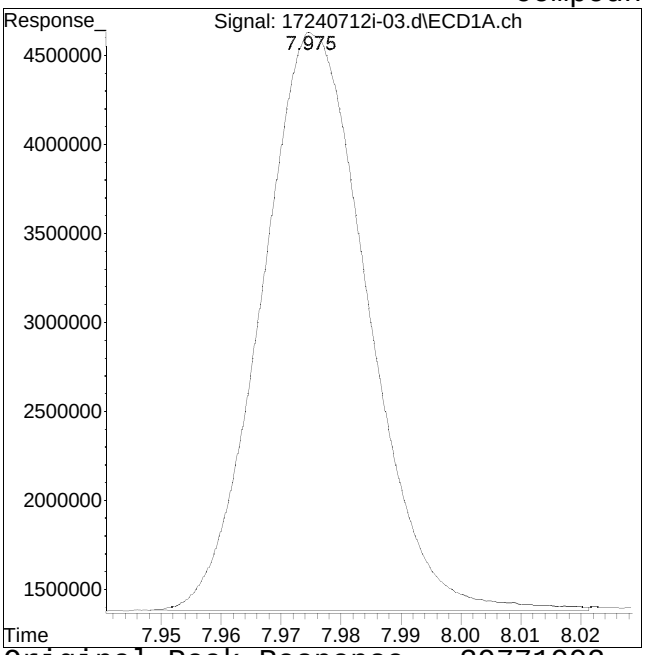
Manual Peak Response = 47562773 M4

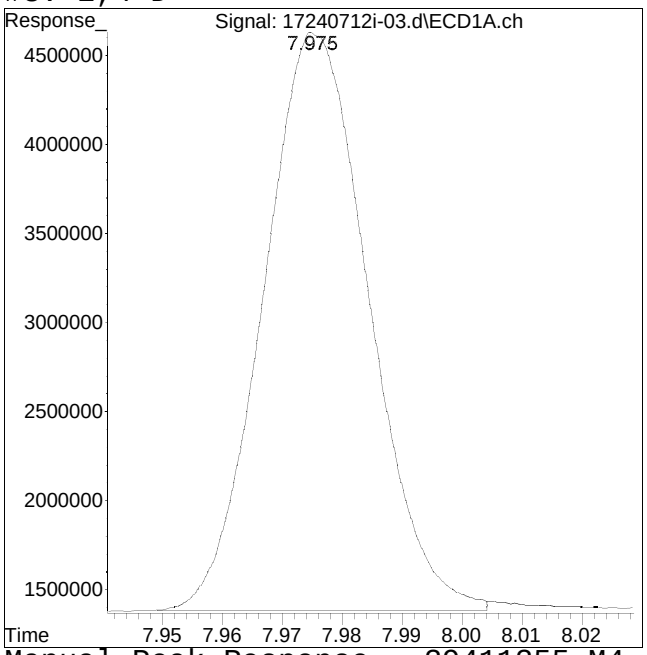
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #8: 2,4-D



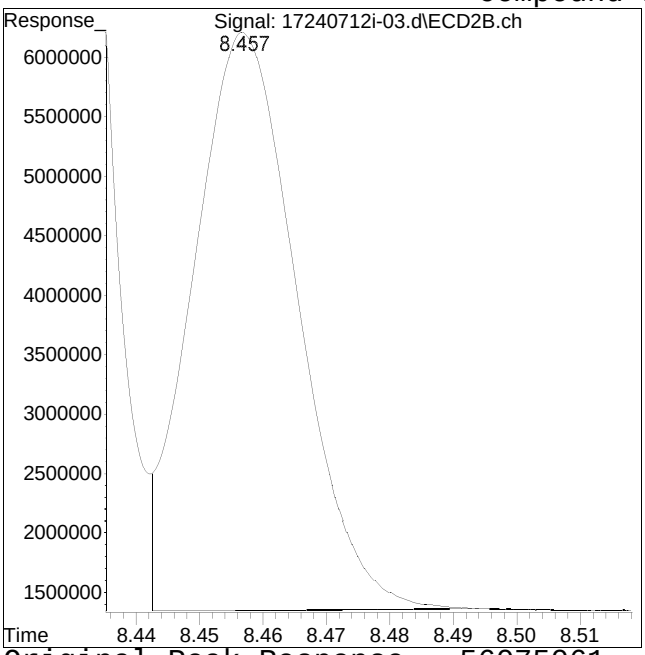


Original Peak Response = 39771992 Manual Peak Response = 39411355 M4
M4 = Poor automated baseline construction.

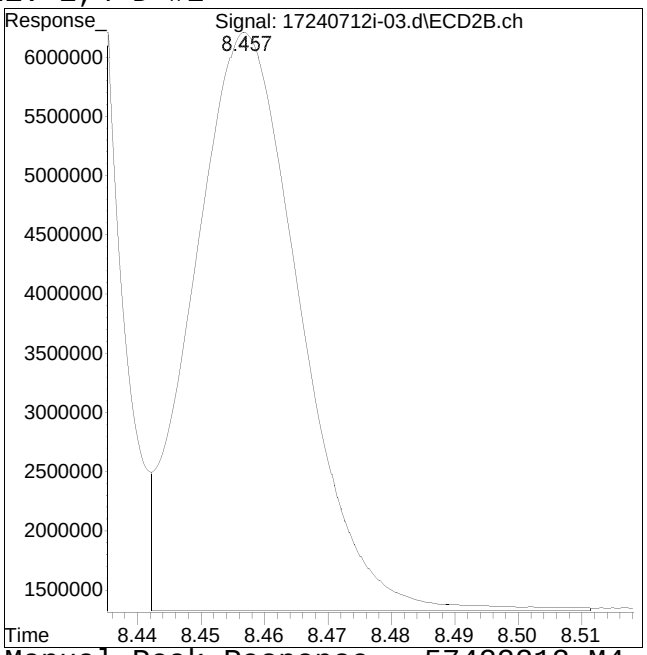
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #21: 2,4-D #2



Original Peak Response = 56075061

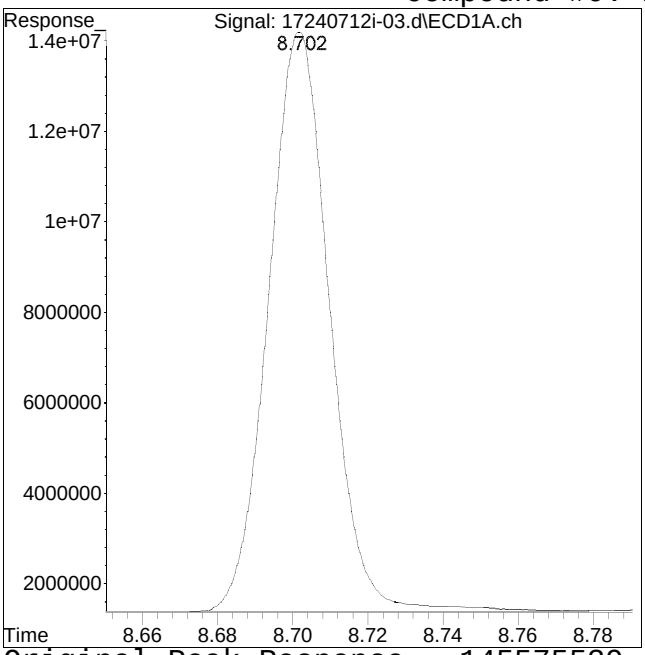


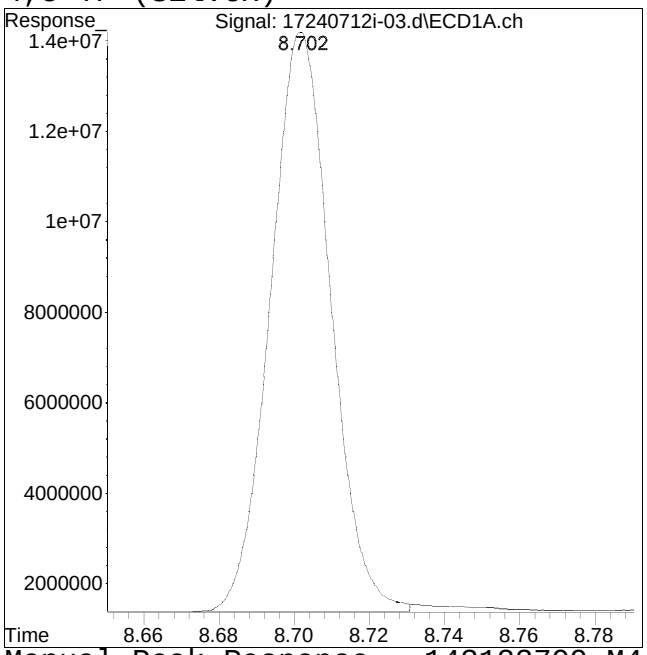
Manual Peak Response = 57422212 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #9: 2,4,5-TP (Silvex)



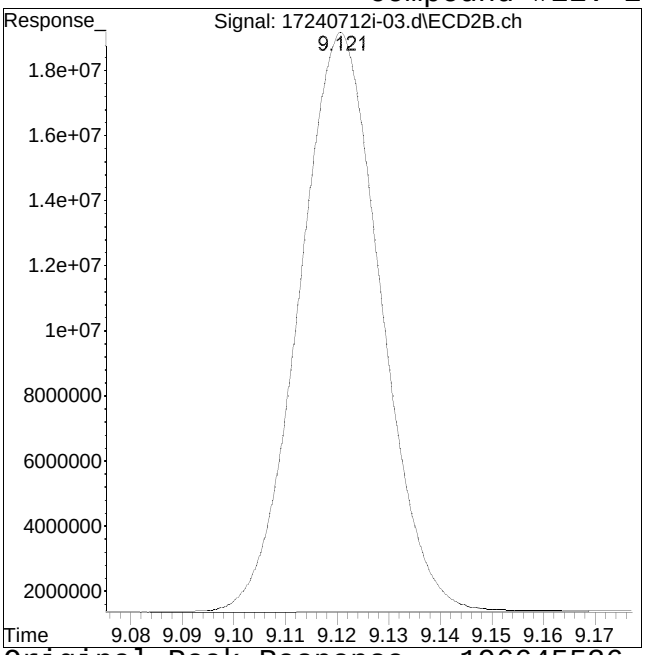


Original Peak Response = 145575539 Manual Peak Response = 143123799 M4
M4 = Poor automated baseline construction.

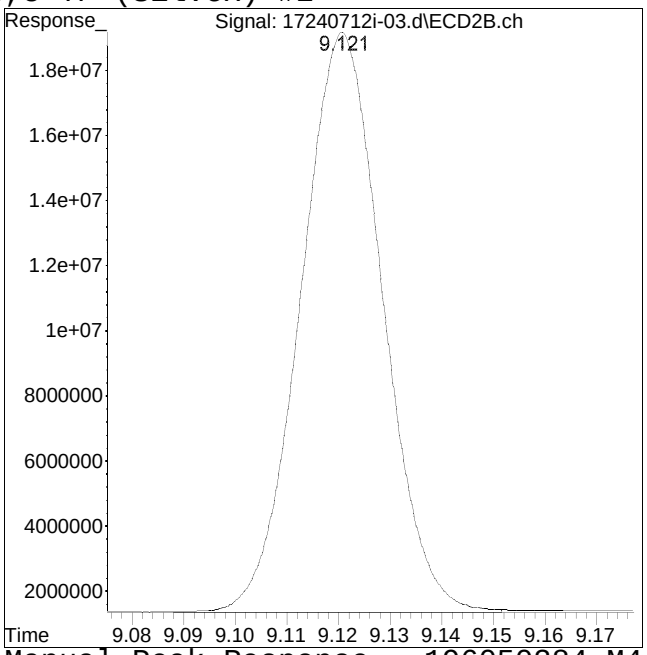
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 196645536



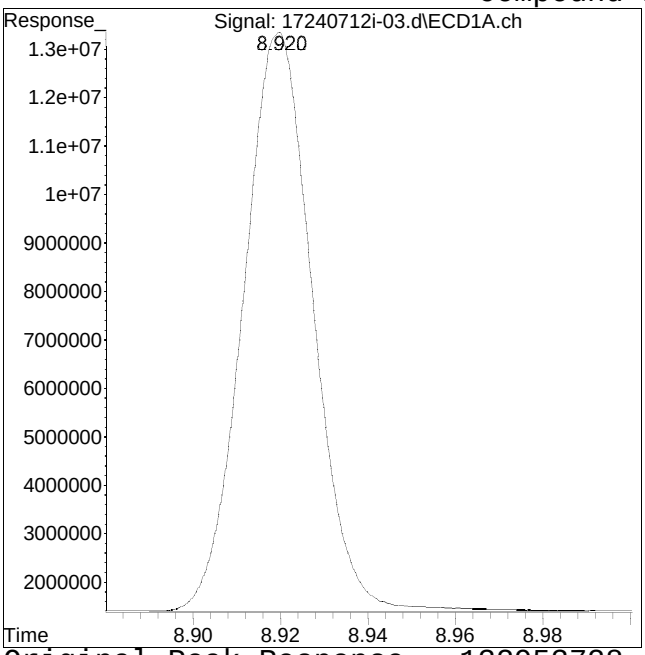
Manual Peak Response = 196050384 M4

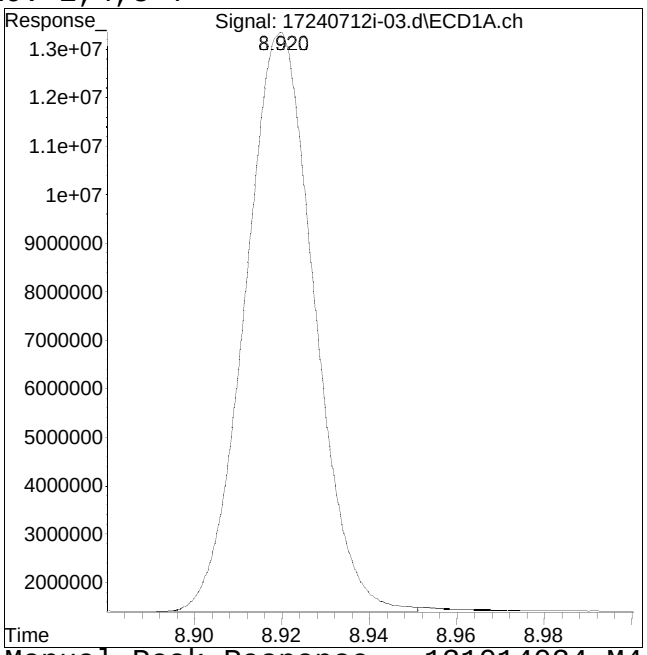
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #10: 2,4,5-T



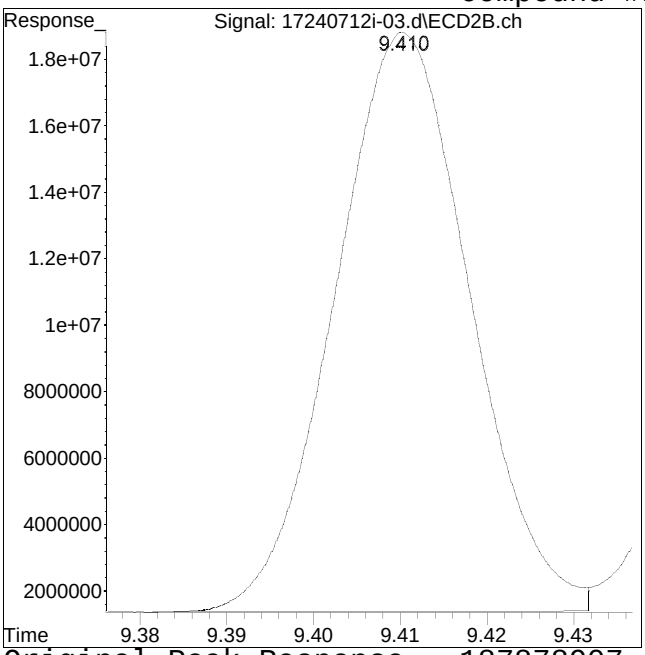


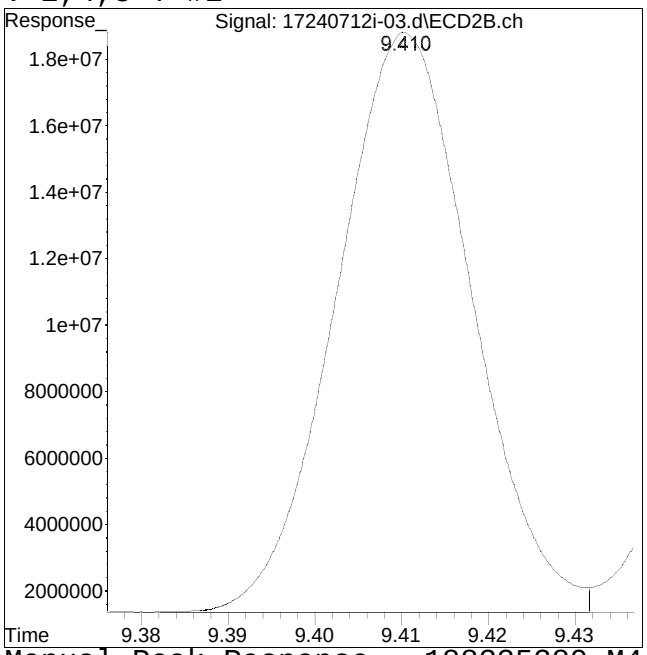
Original Peak Response = 132953728 Manual Peak Response = 131014024 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #23: 2,4,5-T #2



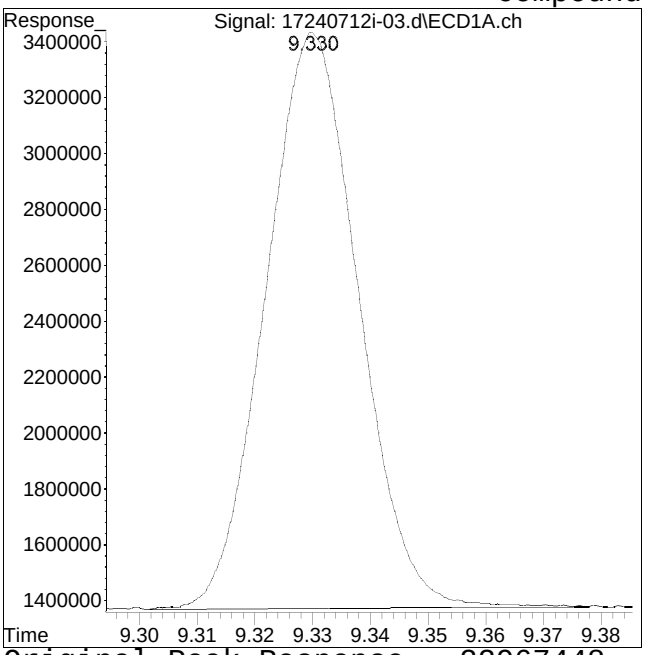


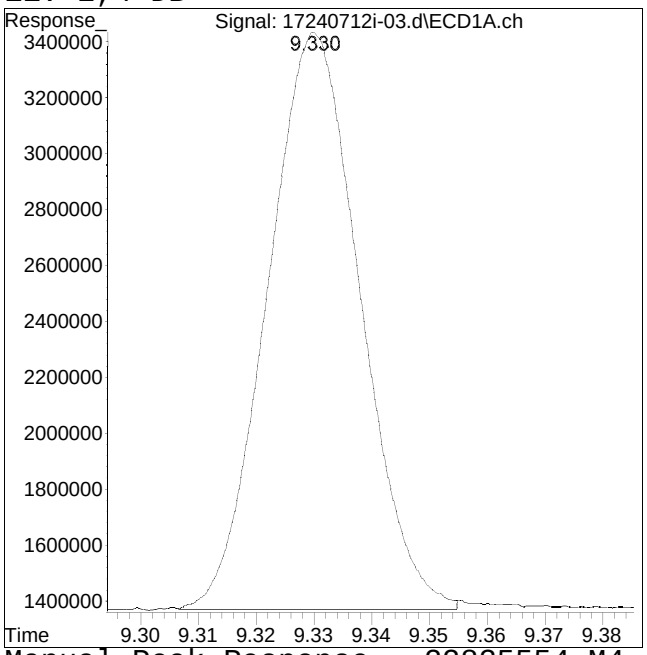
Original Peak Response = 187878907 Manual Peak Response = 188335380 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #11: 2,4-DB



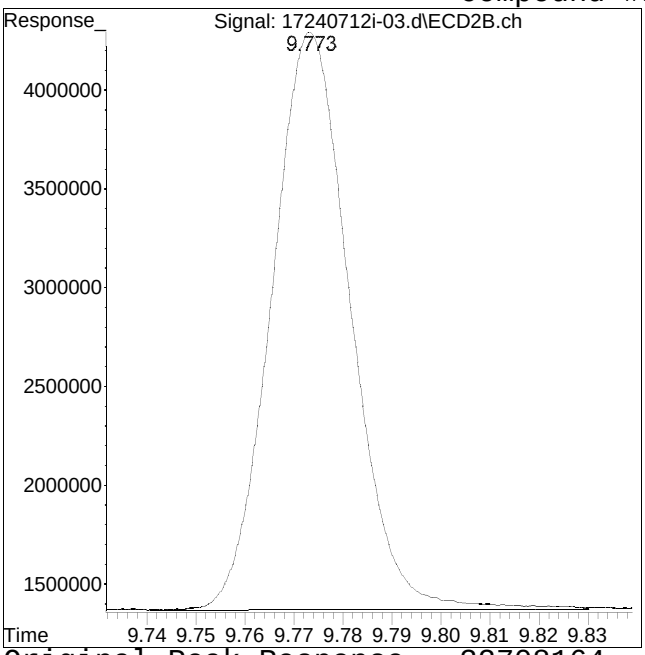


Original Peak Response = 22967448 Manual Peak Response = 22835554 M4
M4 = Poor automated baseline construction.

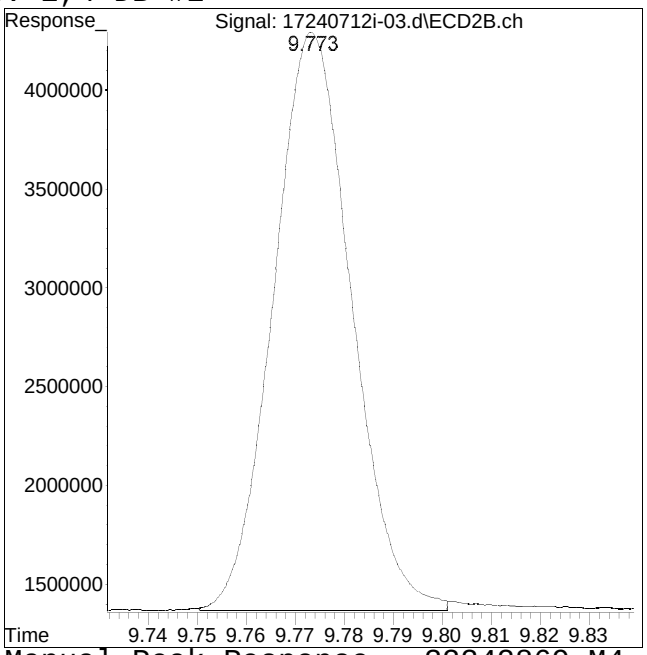
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #24: 2,4-DB #2



Original Peak Response = 32708164



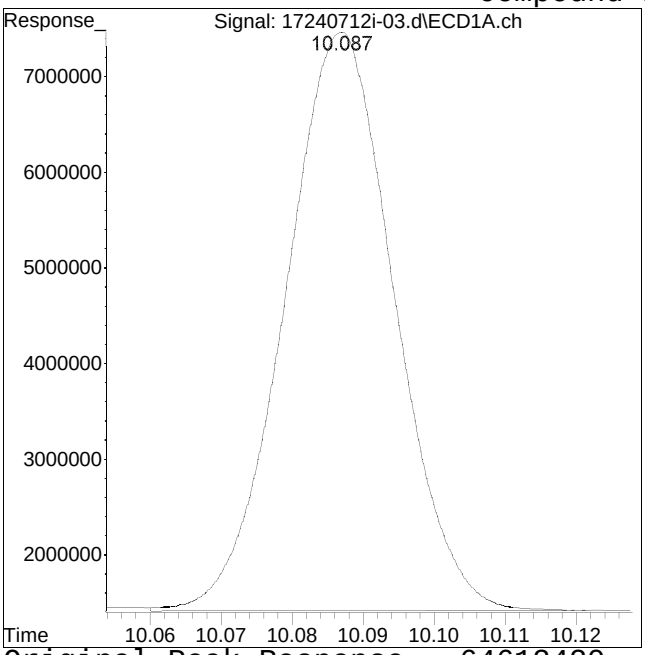
Manual Peak Response = 32242869 M4

M4 = Poor automated baseline construction.

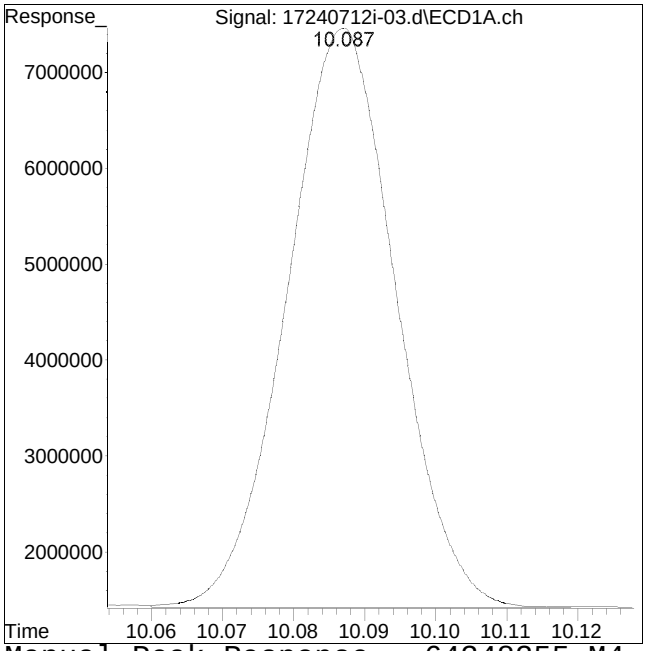
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #12: Dinoseb



Original Peak Response = 64612420



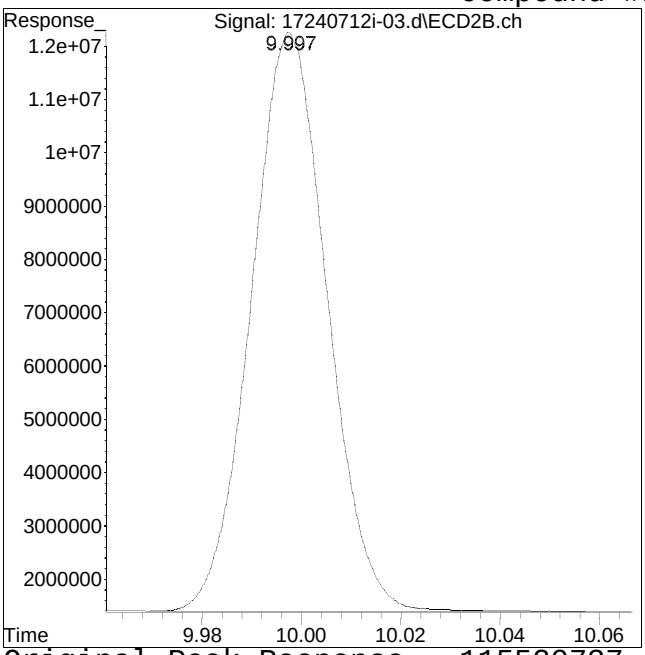
Manual Peak Response = 64348355 M4

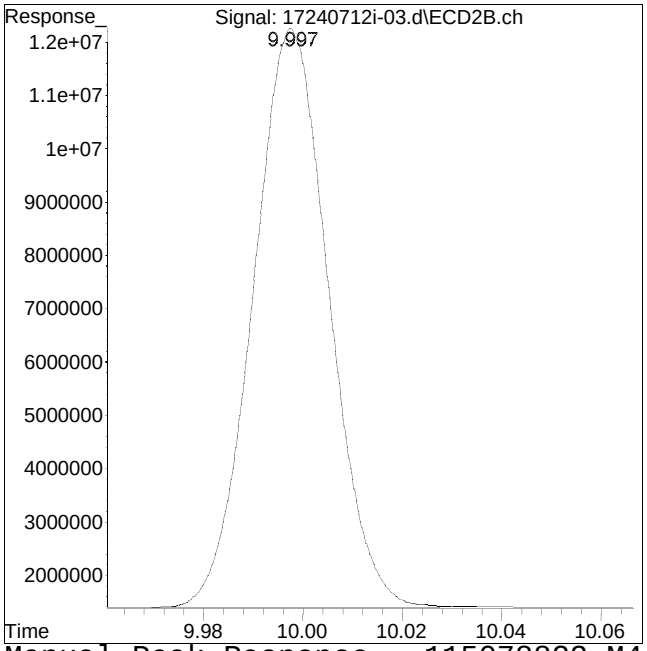
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-03.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 2:59 pm Instrument : Pest 17
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/13/2024 9:50 am

Compound #25: Dinoseb #2





Original Peak Response = 115520737 Manual Peak Response = 115078822 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.419	584.3E6	613.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.340	74045778	96697218	0.188M4	0.188M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		37.60%	37.60%
		Target Compounds						
2)	t	Dalapon	1.893	1.918	62530327	90327697	0.182M3	0.182M3
4)	t	Dicamba	7.061	7.521	241.6E6	279.1E6	0.188	0.188M4
5)	t	MCPP	7.267	7.635	36613773	35600766	18.800M4	18.800M3
6)	t	MCPA	7.412	7.862	60243143	60936515	18.600M4	18.600M4
7)	t	Dichloroprop	7.767	8.181	66518311	89023766	0.188M4	0.188M4
8)	t	2,4-D	7.975	8.457	76448114	108.1E6	0.188M4	0.191M4
9)	t	2,4,5-TP (Si	8.701	9.120	292.4E6	393.4E6	0.190M4	0.190M4
10)	t	2,4,5-T	8.919	9.410	266.4E6	372.3E6	0.190M4	0.190M4
11)	t	2,4-DB	9.328	9.774	44681136	61936033	0.192M4	0.192
12)	t	Dinoseb	10.086	9.998	125.9E6	224.9E6	0.190M4	0.190M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

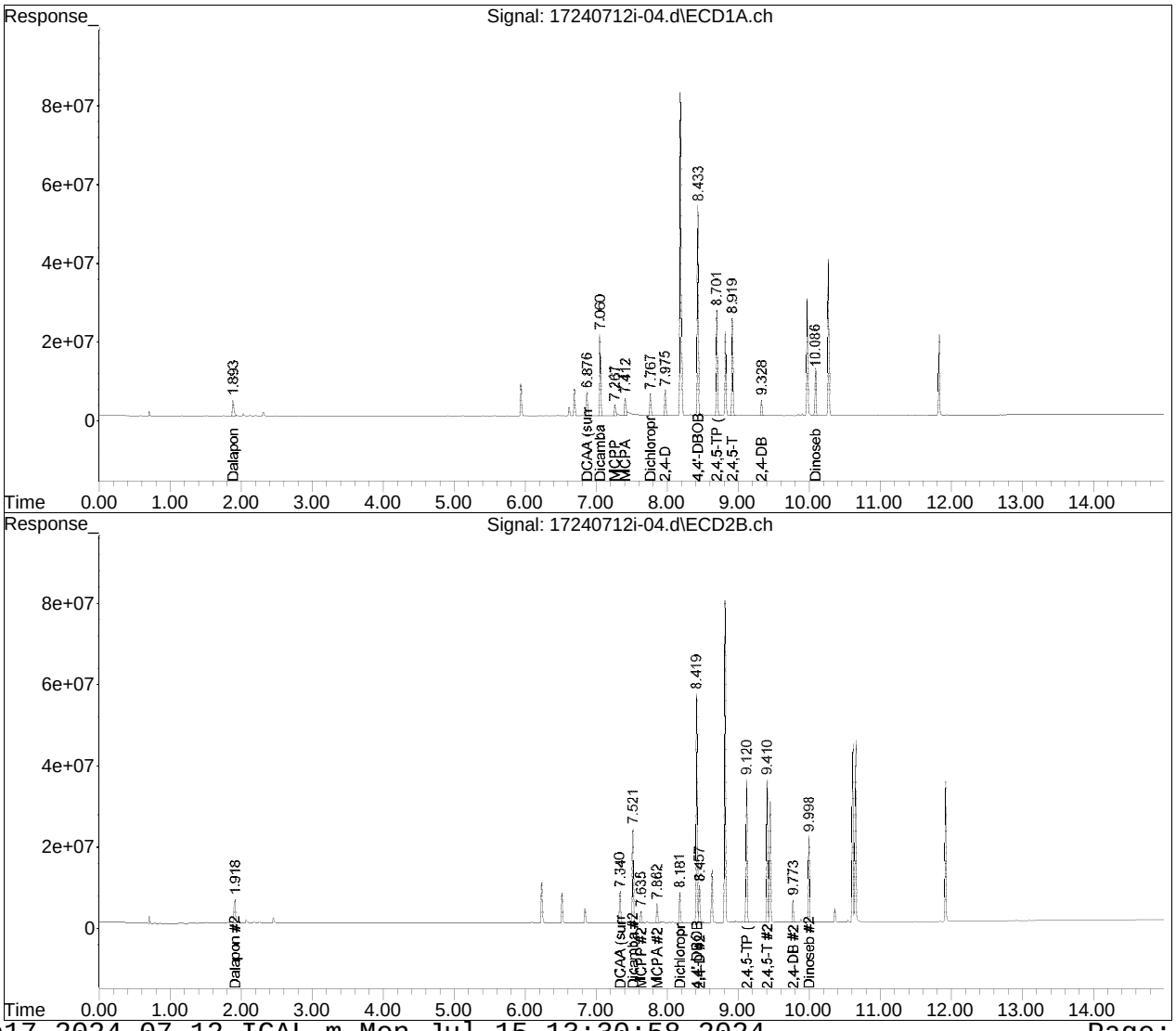
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:18 pm
Operator : PEST17:peg
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:23:16 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:23:08 2024
Response via : Initial Calibration
Integrator: ChemStation

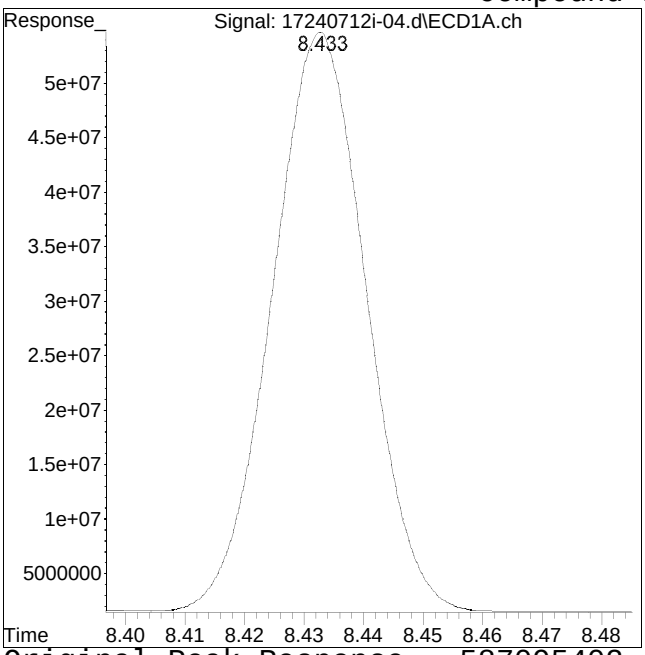
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

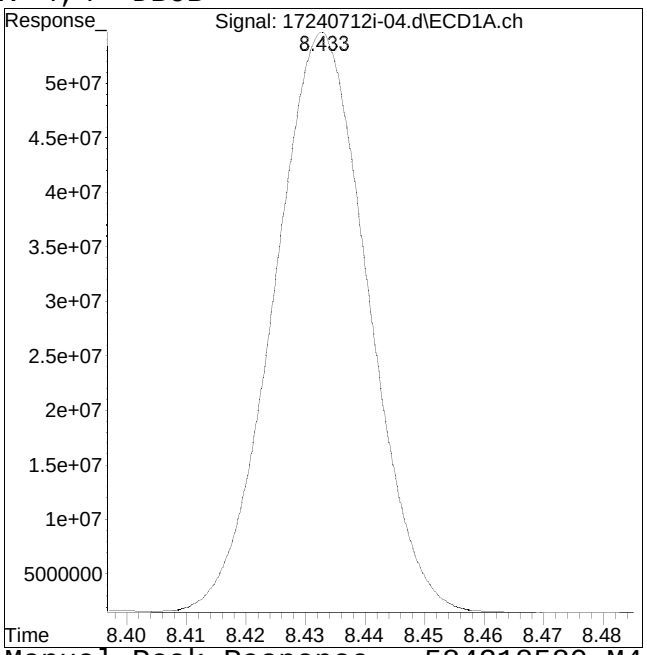


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #1: 4,4'-DBOB



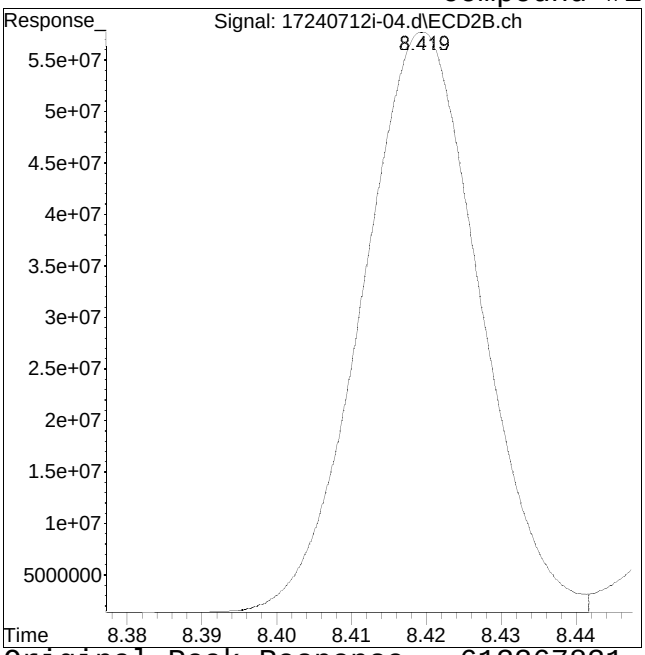


Original Peak Response = 587095402 Manual Peak Response = 584318580 M4
M4 = Poor automated baseline construction.

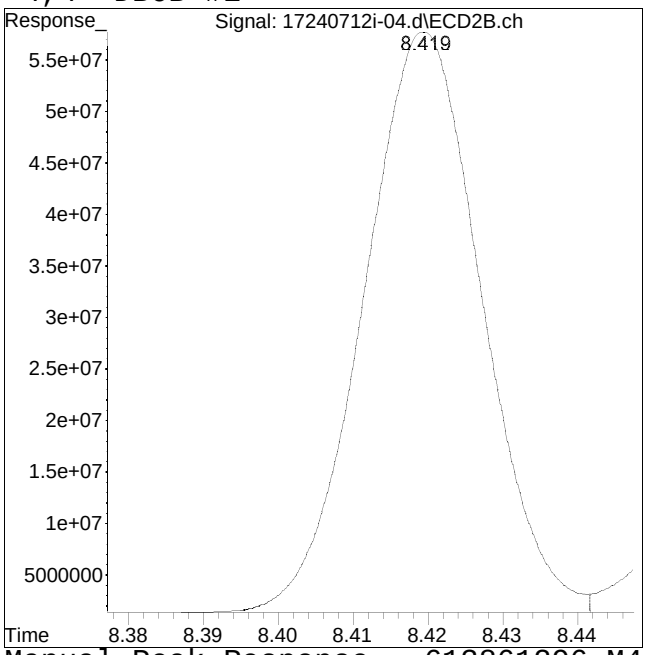
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 613367831

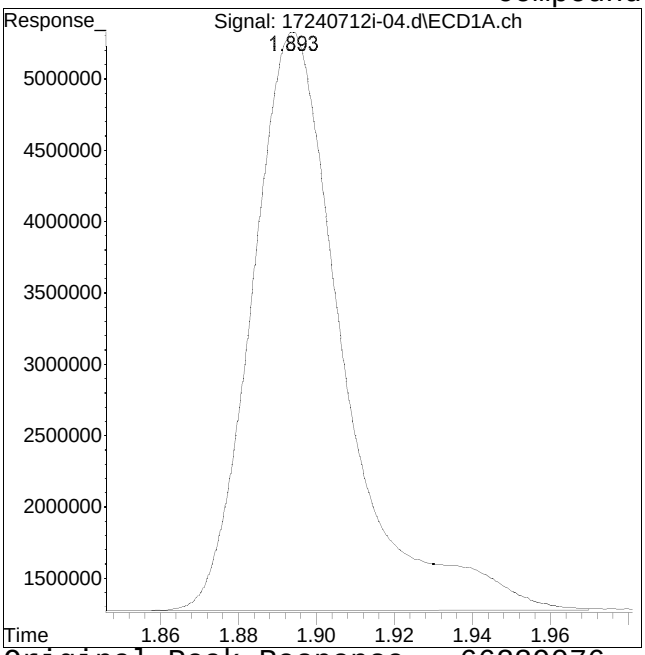


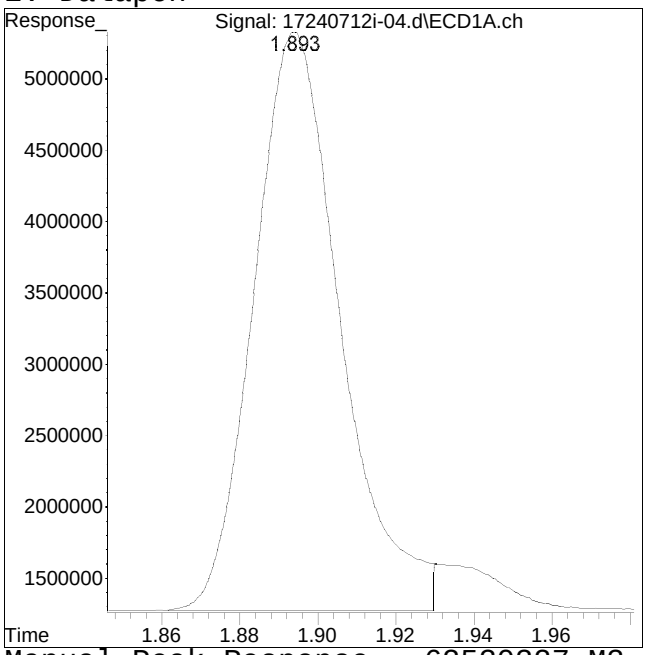
Manual Peak Response = 613861296 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #2: Dalapon



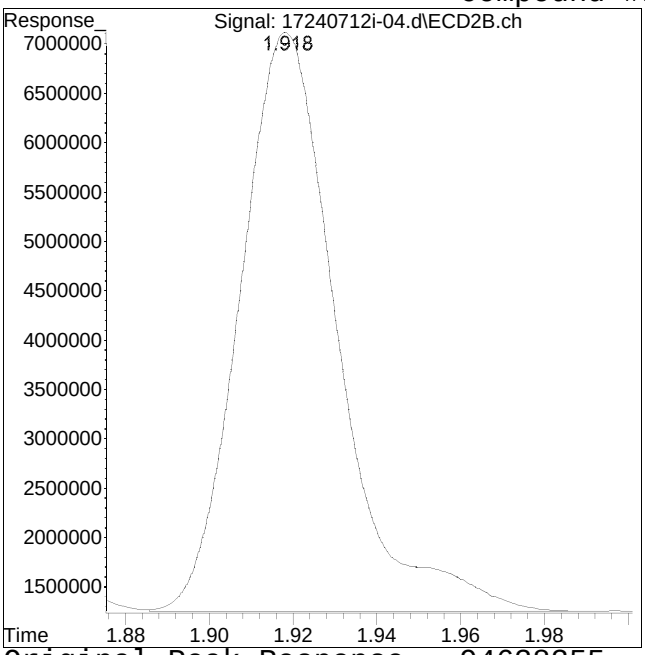


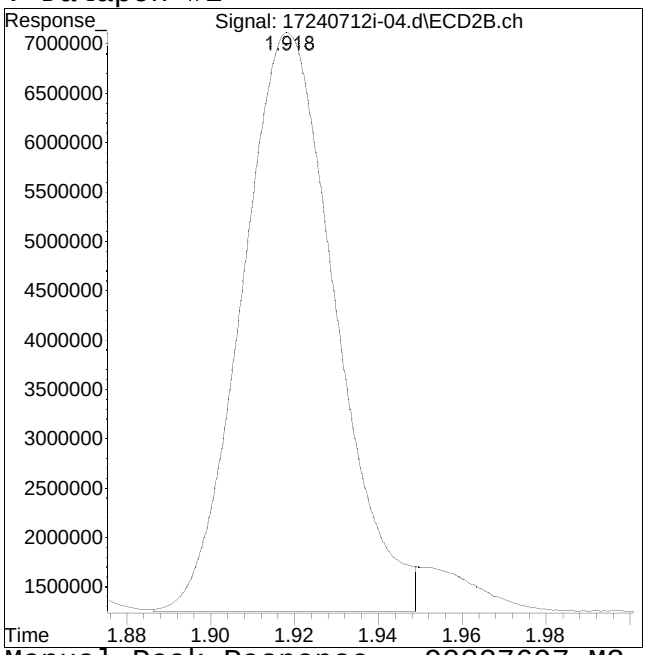
Original Peak Response = 66239076 Manual Peak Response = 62530327 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #15: Dalapon #2



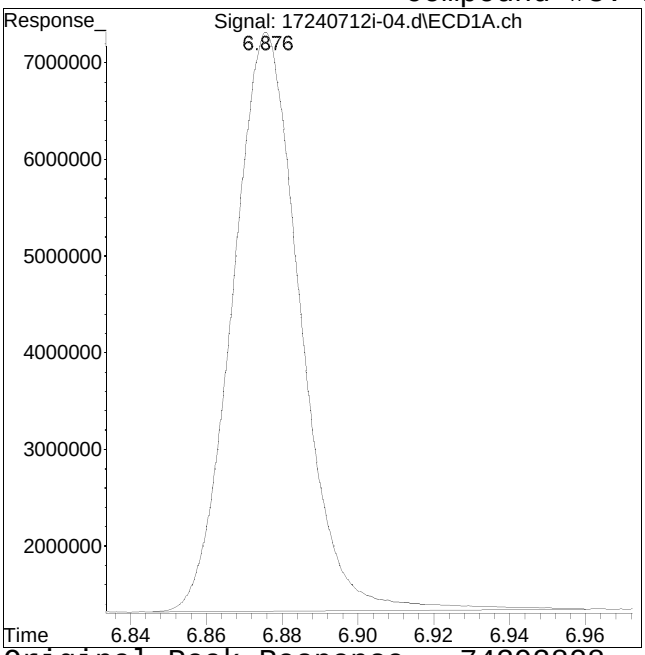


Original Peak Response = 94638355 Manual Peak Response = 90327697 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

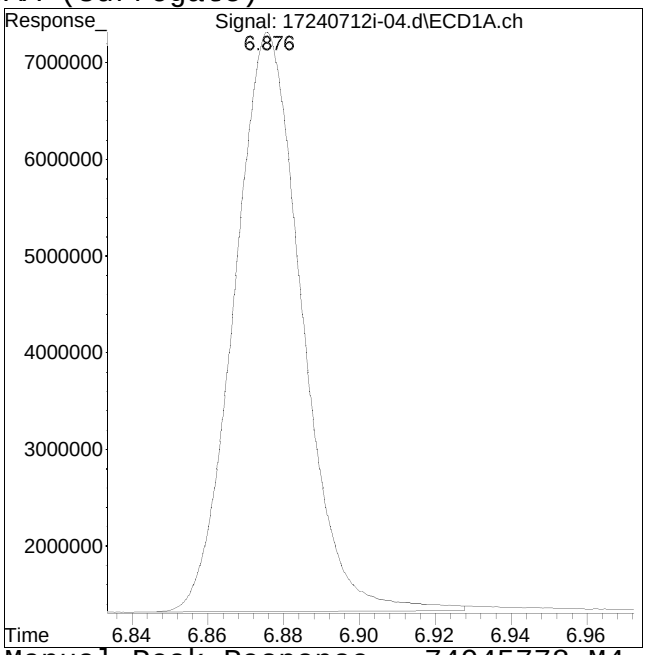
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #3: DCAA (surrogate)



Original Peak Response = 74393828



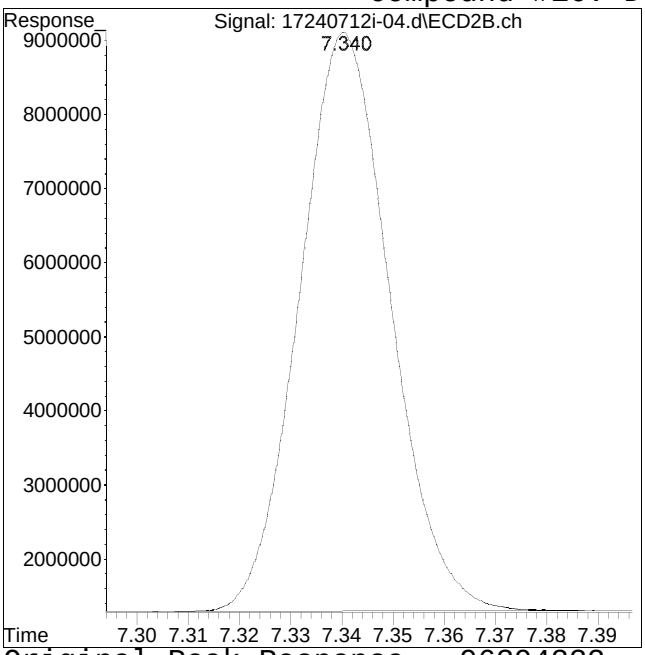
Manual Peak Response = 74045778 M4

M4 = Poor automated baseline construction.

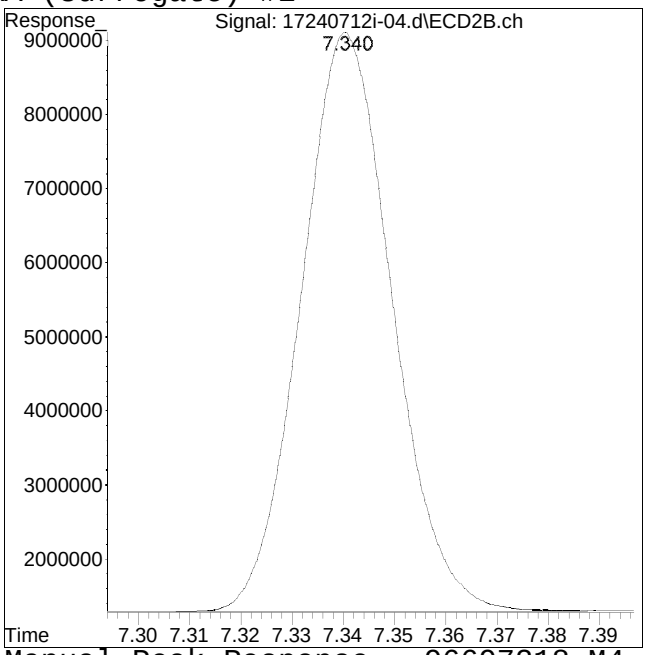
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 96394232



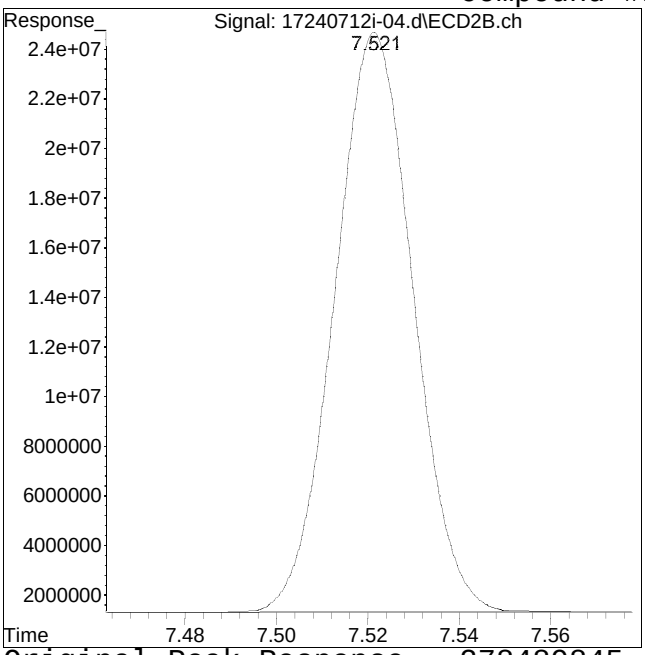
Manual Peak Response = 96697218 M4

M4 = Poor automated baseline construction.

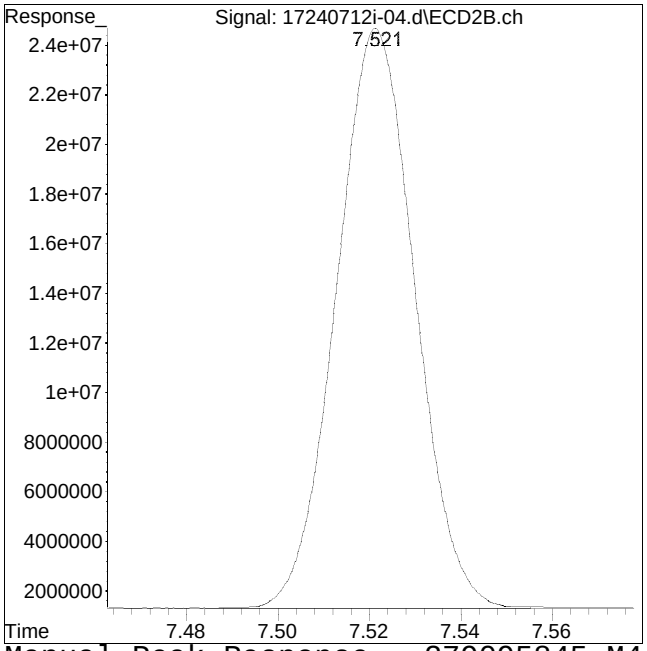
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #17: Dicamba #2



Original Peak Response = 278489845



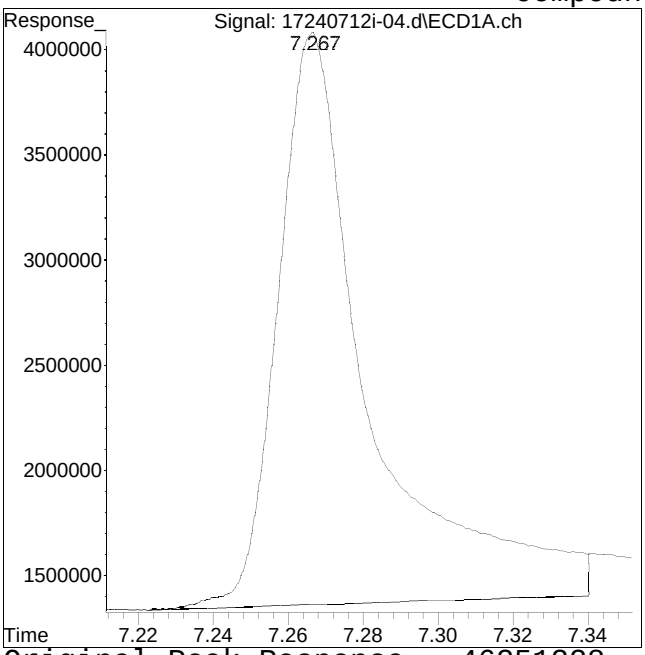
Manual Peak Response = 279095845 M4

M4 = Poor automated baseline construction.

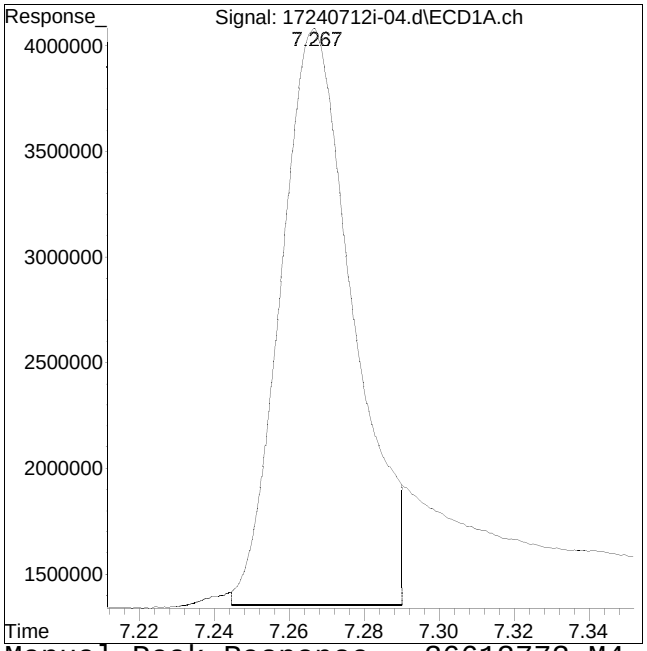
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #5: MCPP



Original Peak Response = 46251228



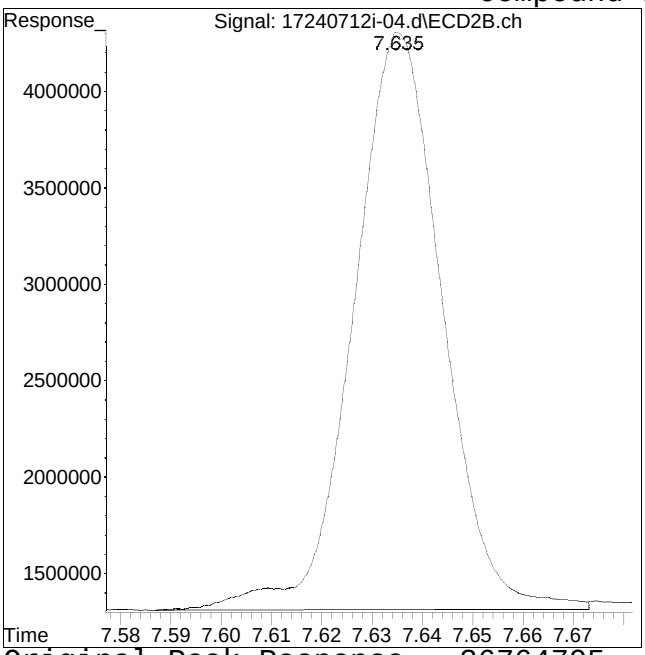
Manual Peak Response = 36613773 M4

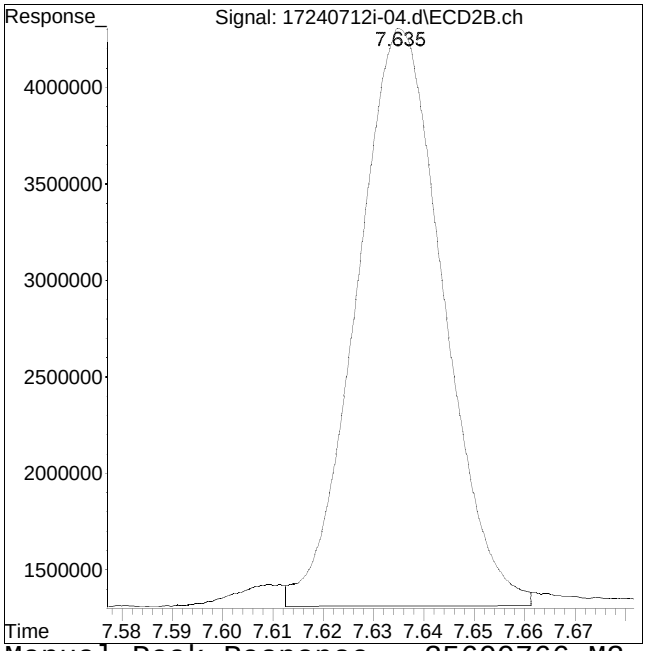
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #18: MCPP #2



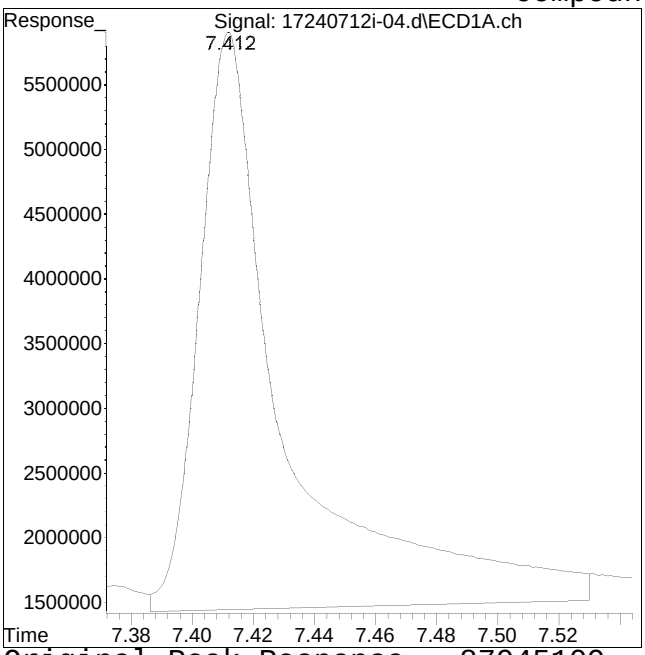


Original Peak Response = 36764795 Manual Peak Response = 35600766 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

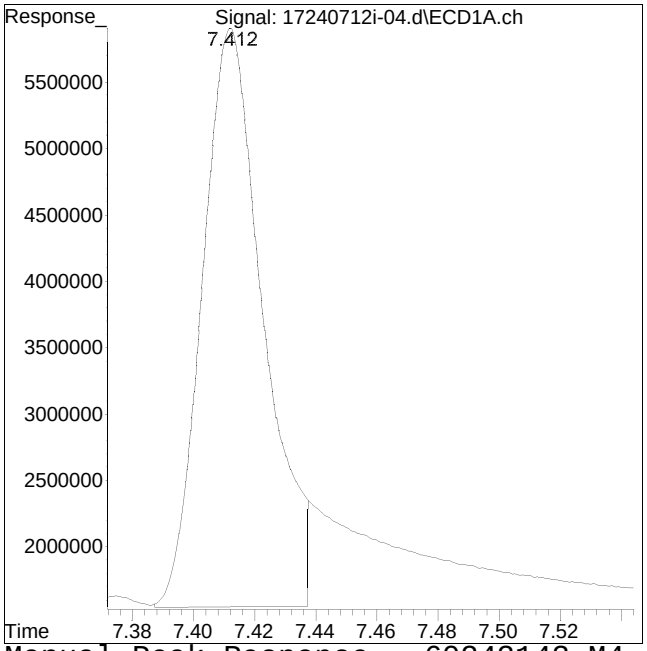
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #6: MCPA



Original Peak Response = 87945109



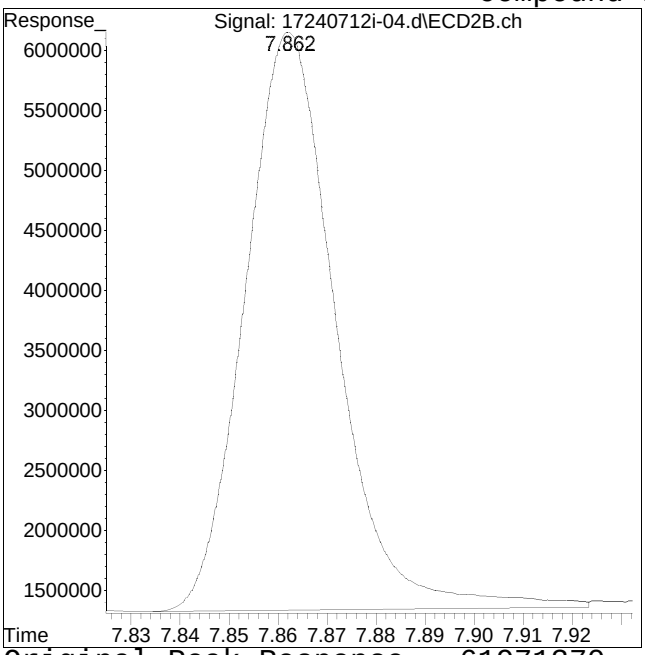
Manual Peak Response = 60243143 M4

M4 = Poor automated baseline construction.

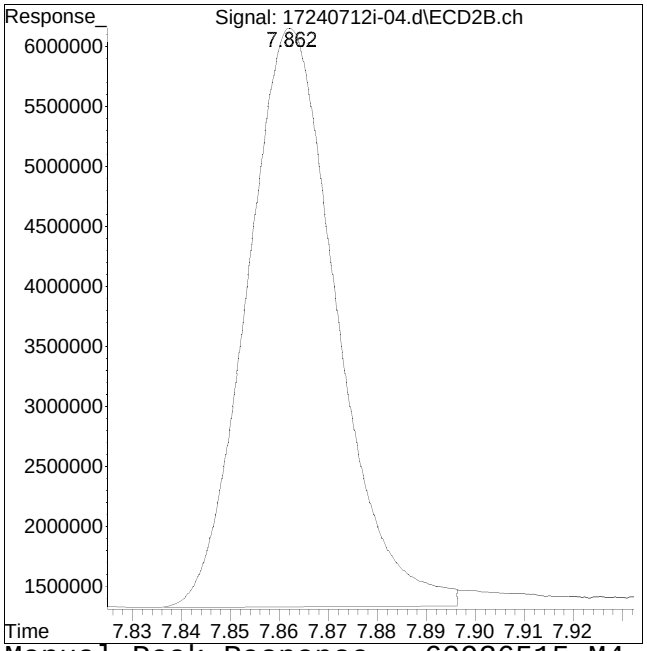
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #19: MCPA #2



Original Peak Response = 61971370



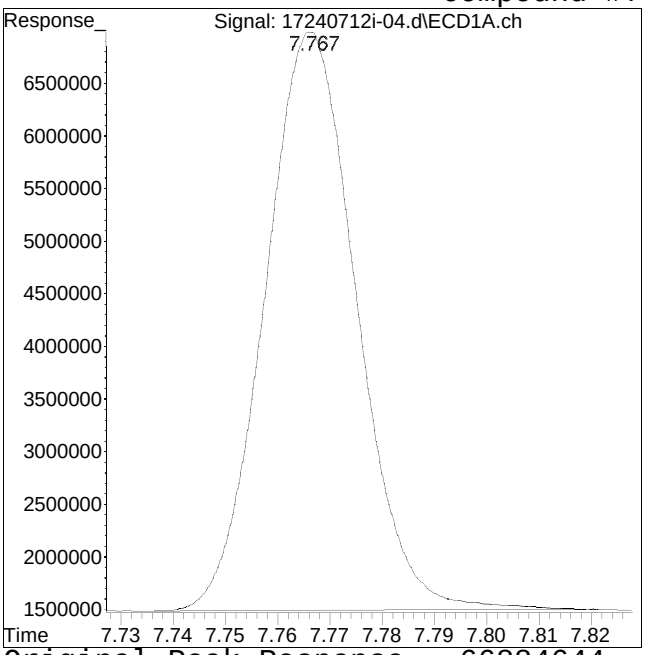
Manual Peak Response = 60936515 M4

M4 = Poor automated baseline construction.

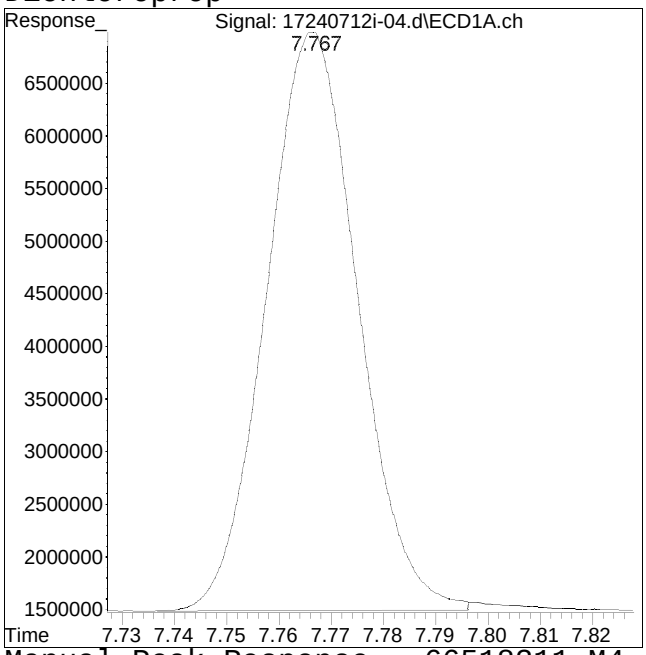
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #7: Dichloroprop



Original Peak Response = 66884644



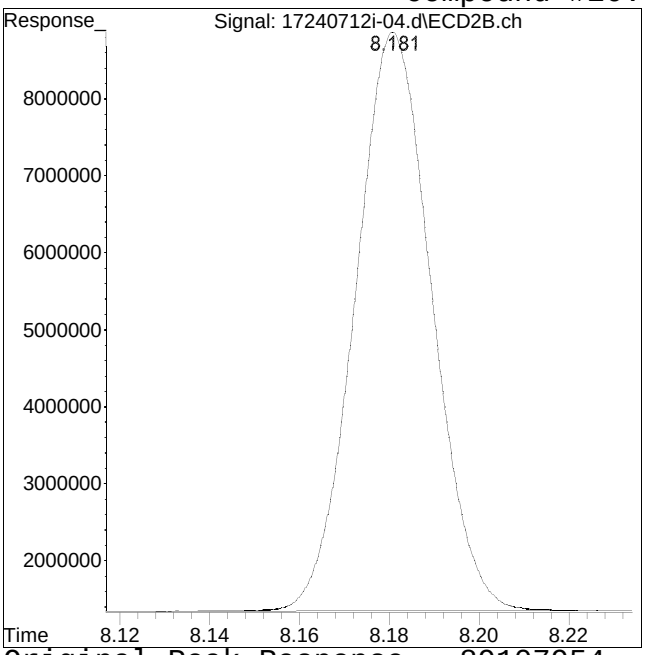
Manual Peak Response = 66518311 M4

M4 = Poor automated baseline construction.

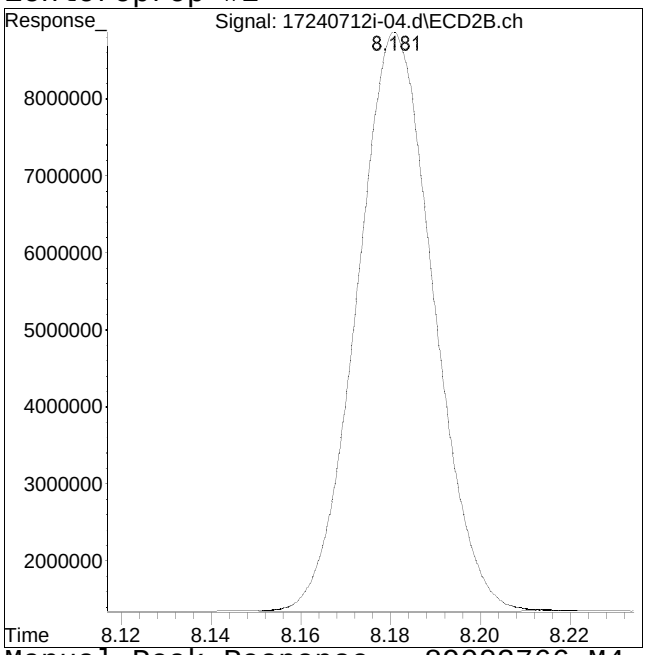
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #20: Dichloroprop #2



Original Peak Response = 89107954



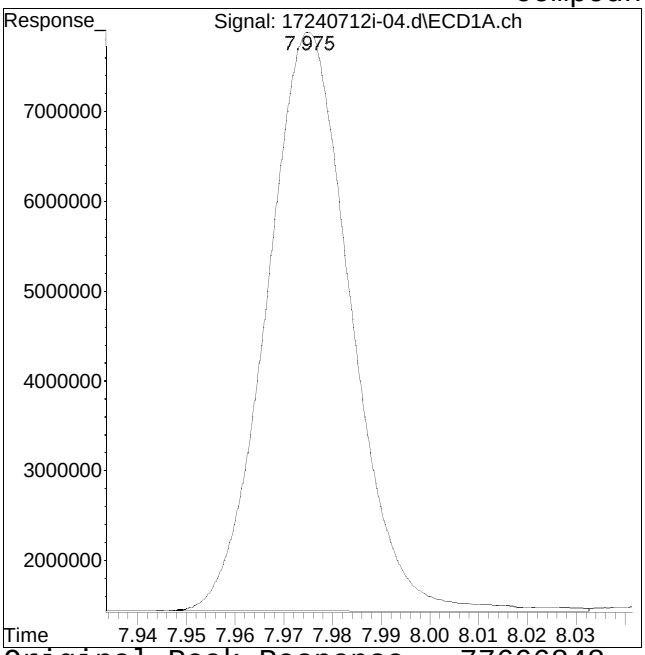
Manual Peak Response = 89023766 M4

M4 = Poor automated baseline construction.

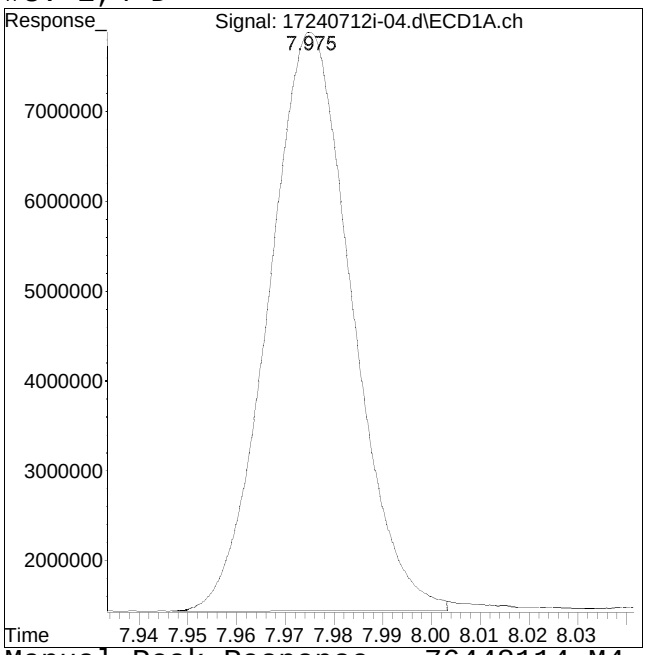
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #8: 2,4-D



Original Peak Response = 77666848



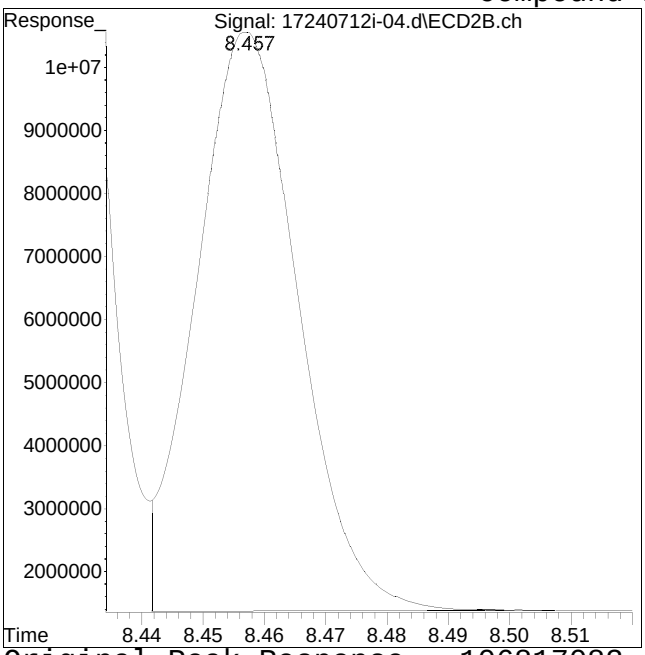
Manual Peak Response = 76448114 M4

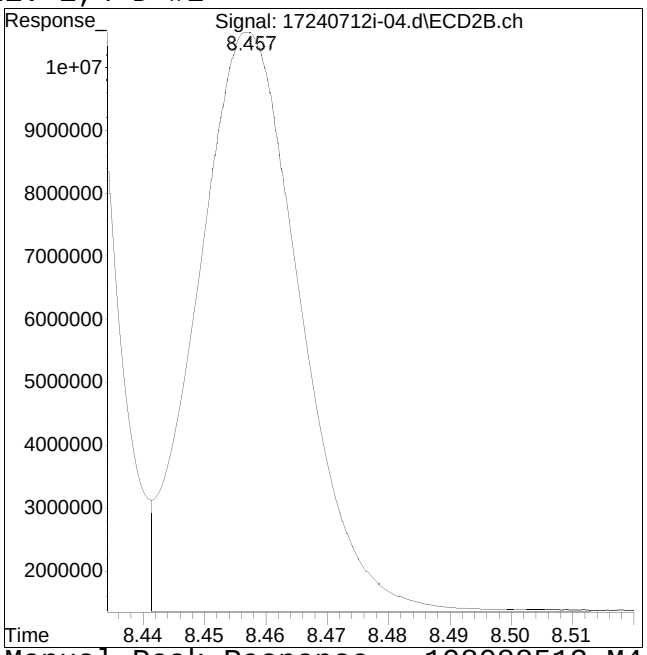
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #21: 2,4-D #2



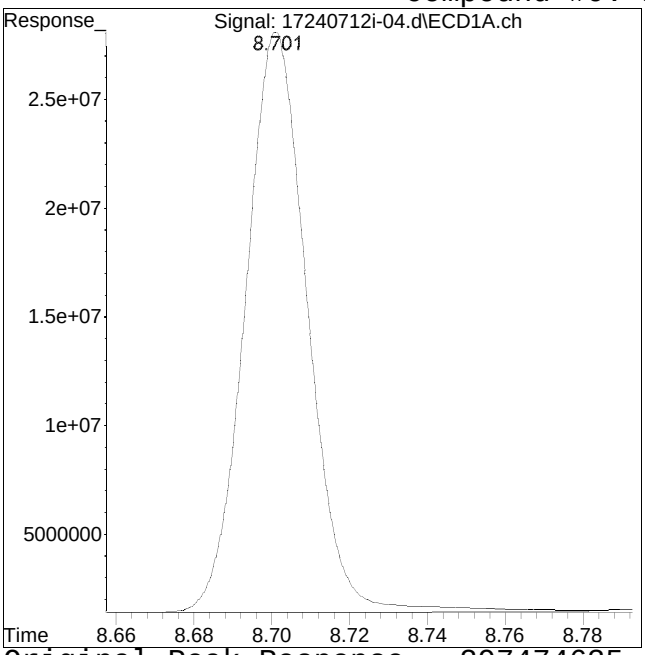


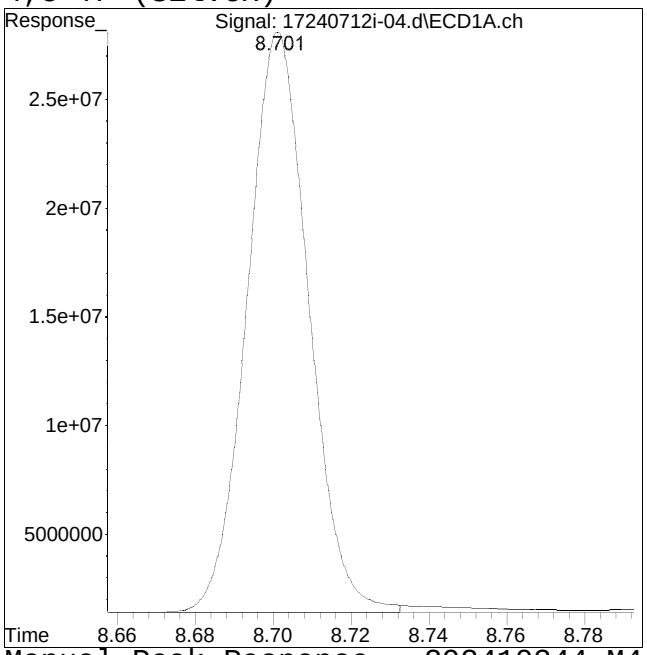
Original Peak Response = 106817083 Manual Peak Response = 108088513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #9: 2,4,5-TP (Silvex)



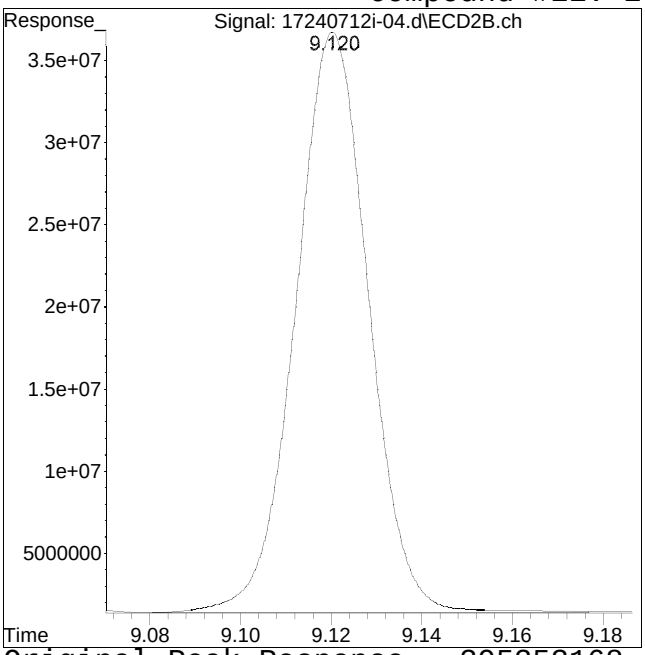


Original Peak Response = 297474635 Manual Peak Response = 292410344 M4
M4 = Poor automated baseline construction.

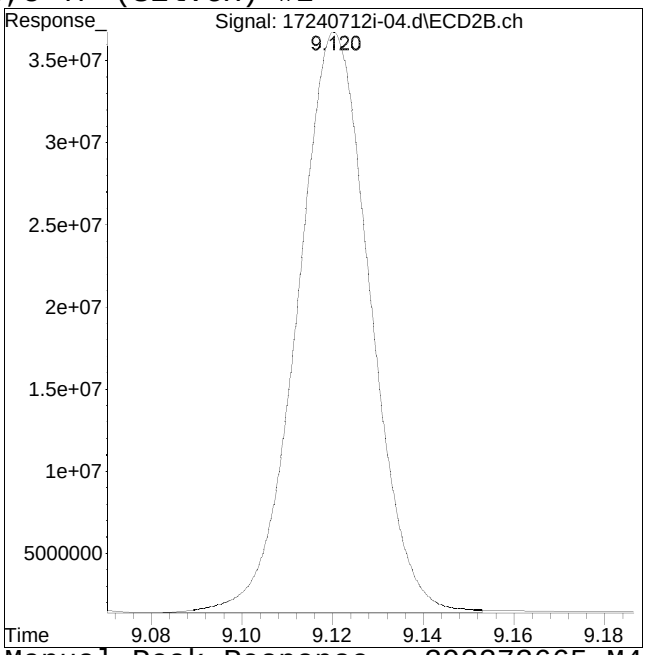
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 395353168

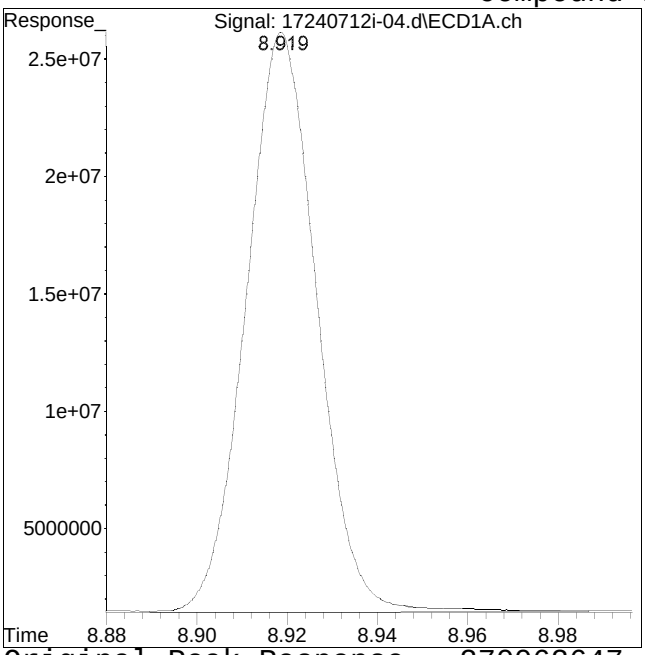


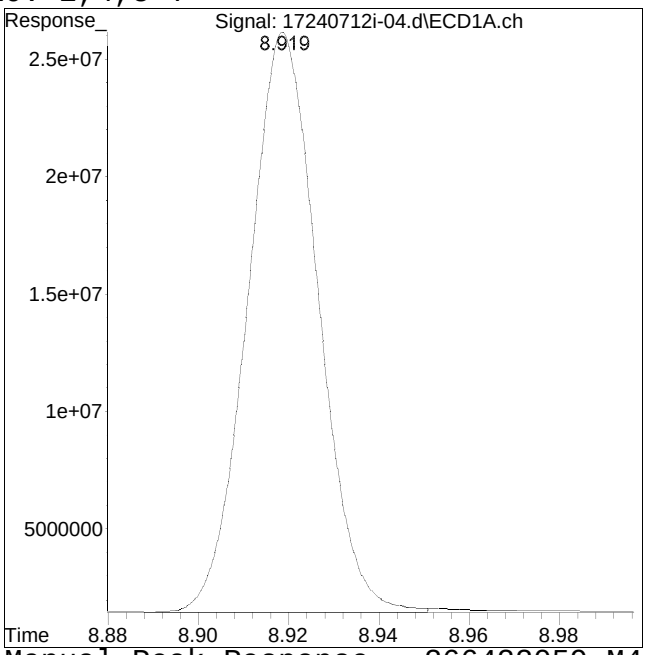
Manual Peak Response = 393373665 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #10: 2,4,5-T



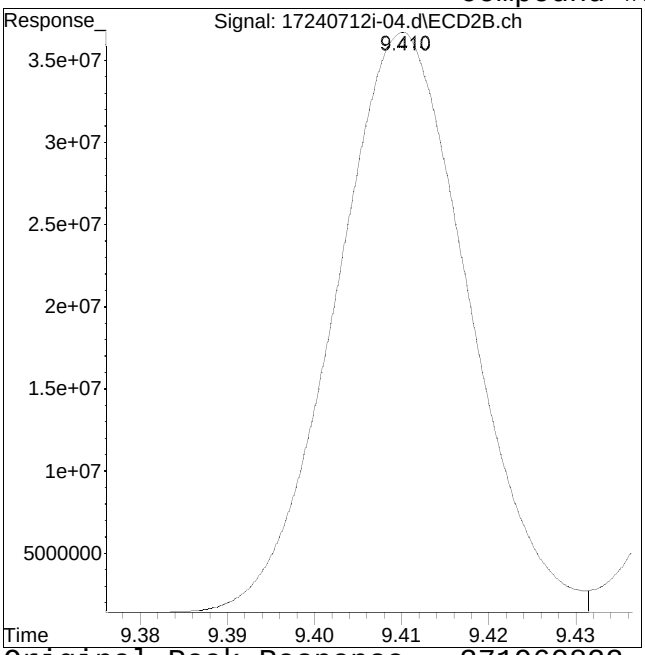


Original Peak Response = 270062647 Manual Peak Response = 266422059 M4
M4 = Poor automated baseline construction.

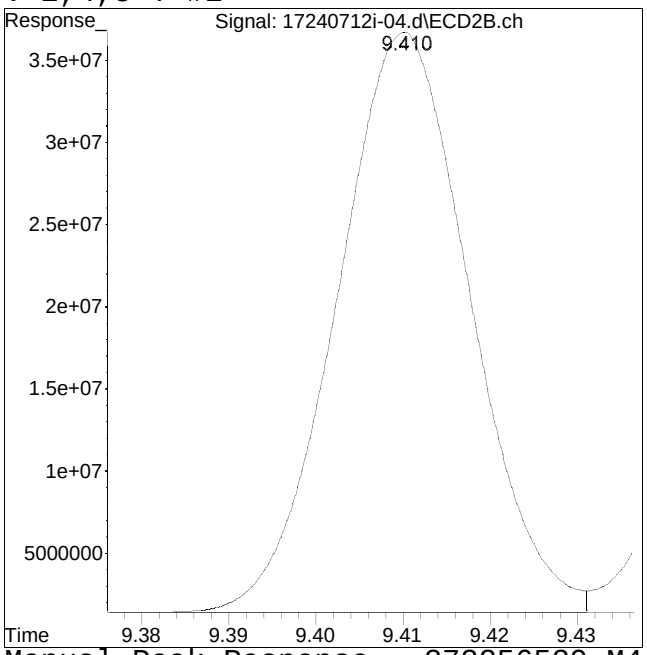
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #23: 2,4,5-T #2



Original Peak Response = 371960822

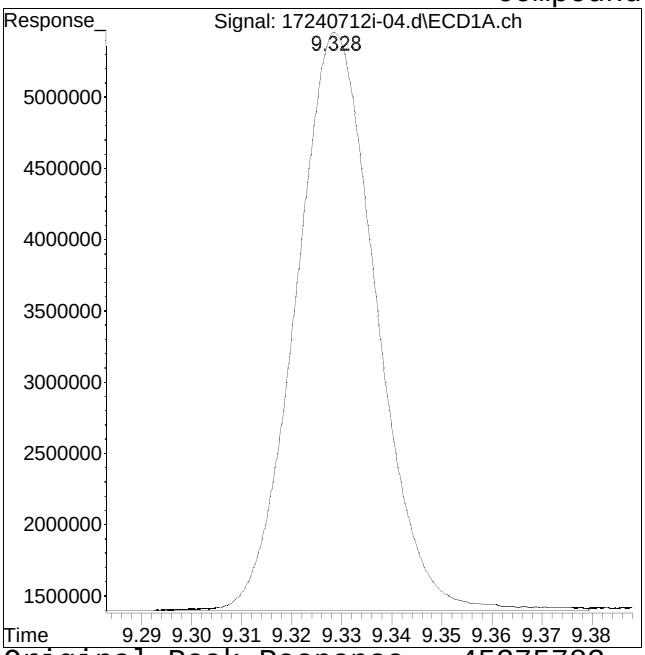


Manual Peak Response = 372256529 M4
M4 = Poor automated baseline construction.

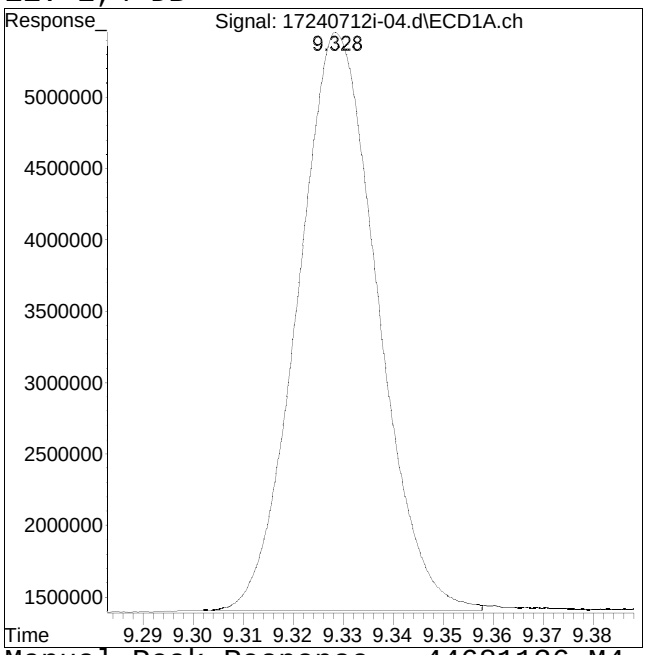
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #11: 2,4-DB



Original Peak Response = 45375783



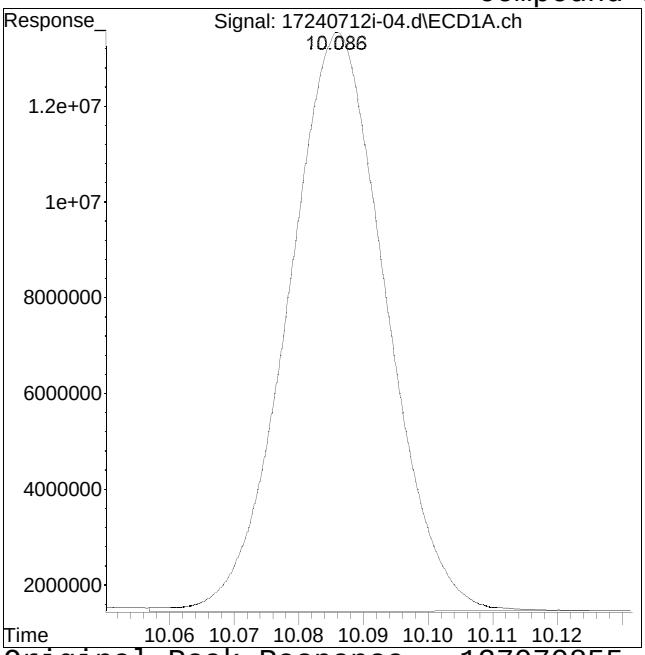
Manual Peak Response = 44681136 M4

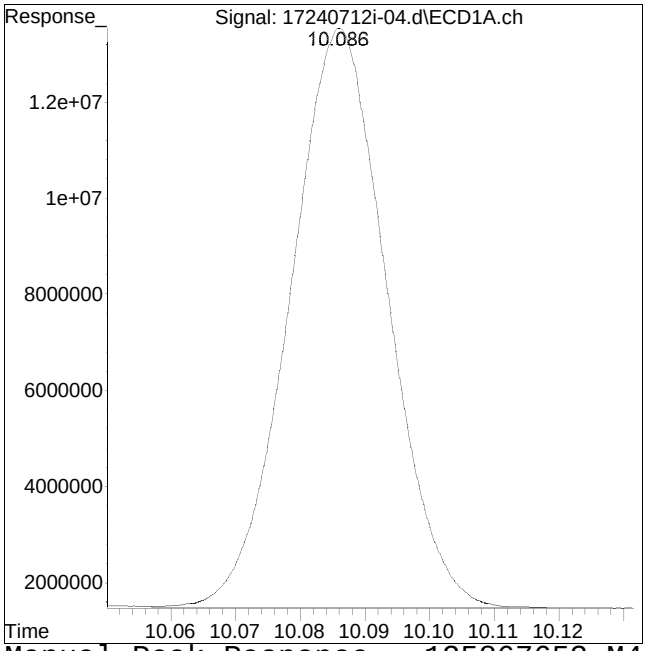
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #12: Dinoseb



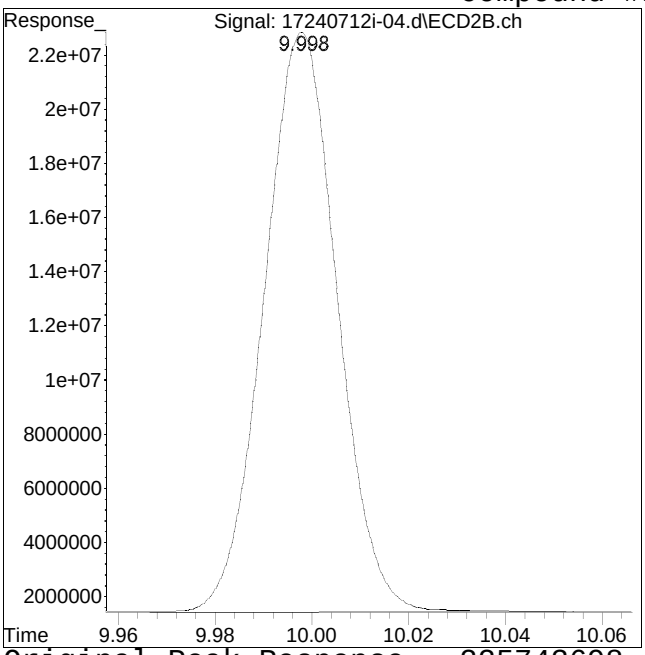


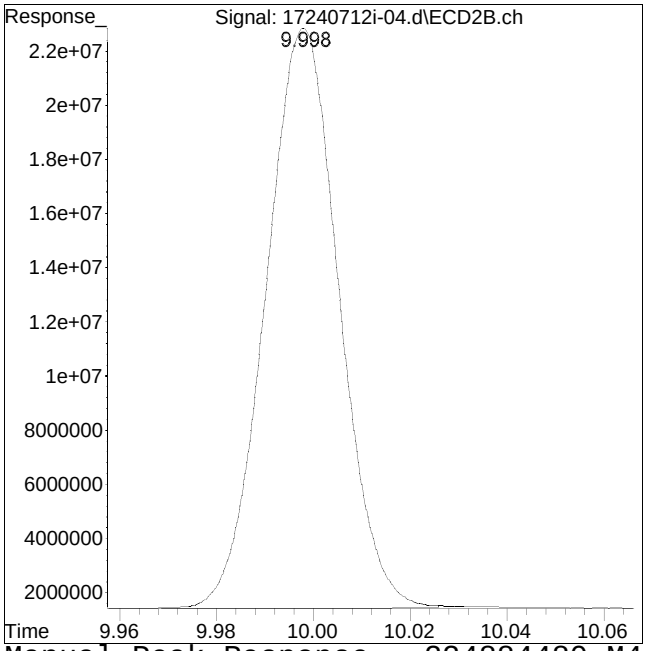
Original Peak Response = 127070855 Manual Peak Response = 125867653 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-04.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:18 pm Instrument : Pest 17
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/13/2024 9:23 am

Compound #25: Dinoseb #2





Original Peak Response = 225743698 Manual Peak Response = 224884480 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	610.9E6	634.9E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.875	7.340	169.3E6	219.8E6	0.439M4	0.440M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	87.80%	88.00%
		Target Compounds						
2)	t	Dalapon	1.894	1.918	152.5E6	214.9E6	0.439	0.436
4)	t	Dicamba	7.060	7.521	594.5E6	667.5E6	0.456M4	0.452M4
5)	t	MCPP	7.266	7.636	84711533	83546682	44.140M4	44.722M4
6)	t	MCPA	7.412	7.863	128.4E6	133.9E6	41.768M4	42.721M4
7)	t	Dichloroprop	7.767	8.181	161.0E6	203.3E6	0.452M4	0.441
8)	t	2,4-D	7.975	8.457	185.4E6	249.9E6	0.452M4	0.449M4
9)	t	2,4,5-TP (Si	8.702	9.120	735.5E6	944.5E6	0.466M4	0.457M4
10)	t	2,4,5-T	8.919	9.411	669.5E6	898.5E6	0.466M4	0.459
11)	t	2,4-DB	9.329	9.773	108.2E6	145.9E6	0.462M4	0.458M4
12)	t	Dinoseb	10.086	9.998	301.3E6	540.6E6	0.454M4	0.458M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

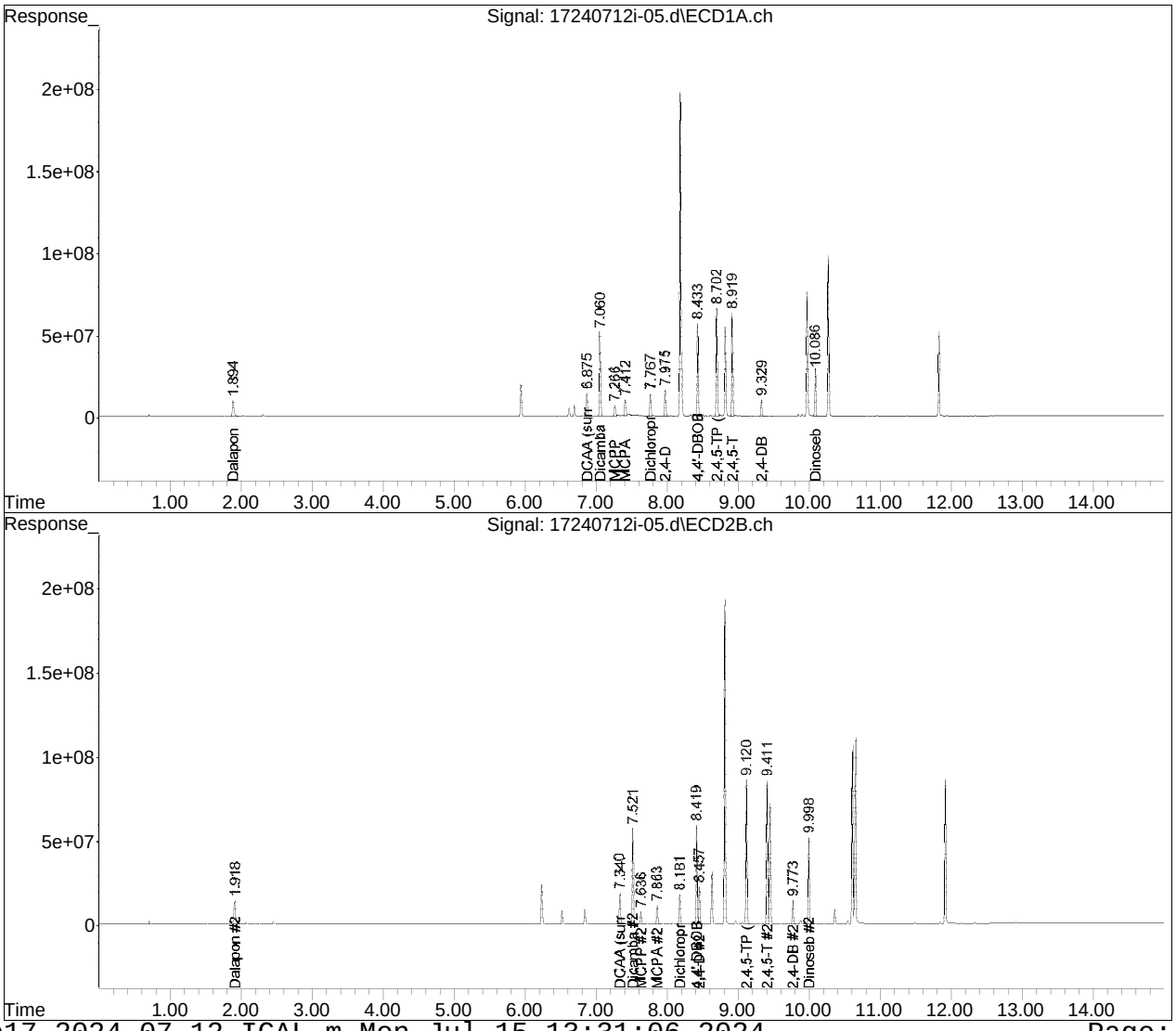
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-05.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:36 pm
Operator : PEST17:peg
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:29:48 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:29:37 2024
Response via : Initial Calibration
Integrator: ChemStation

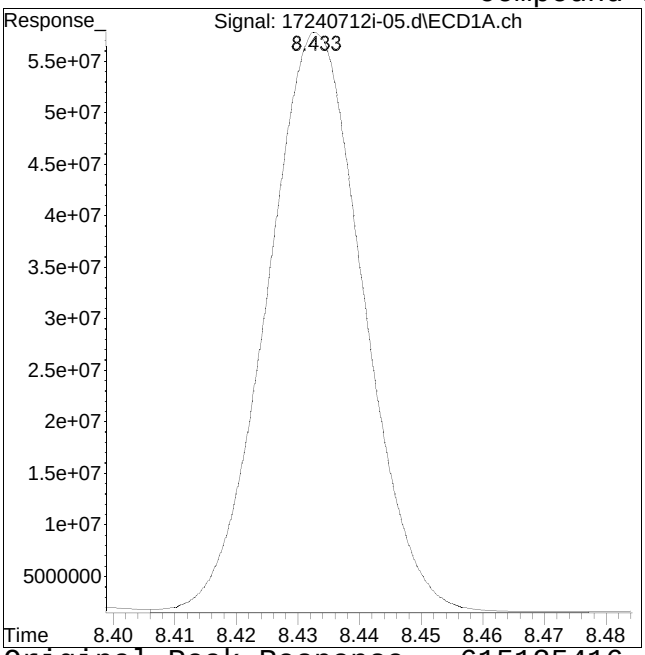
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

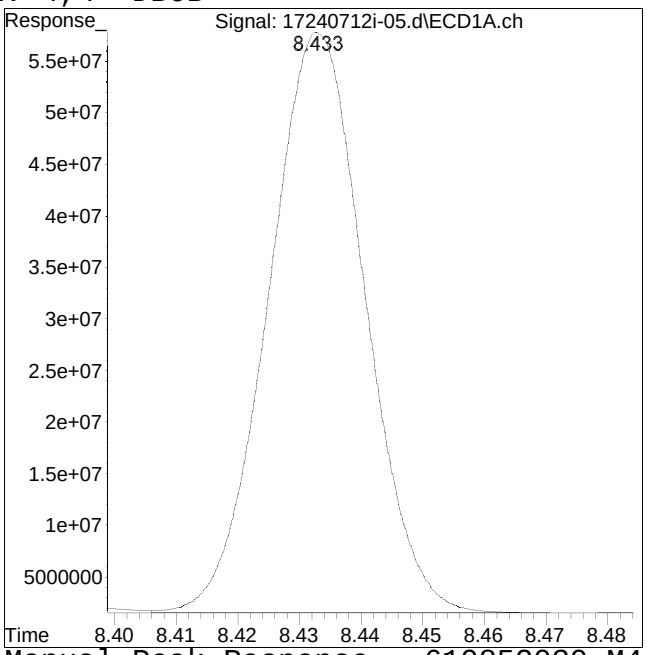


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #1: 4,4'-DBOB



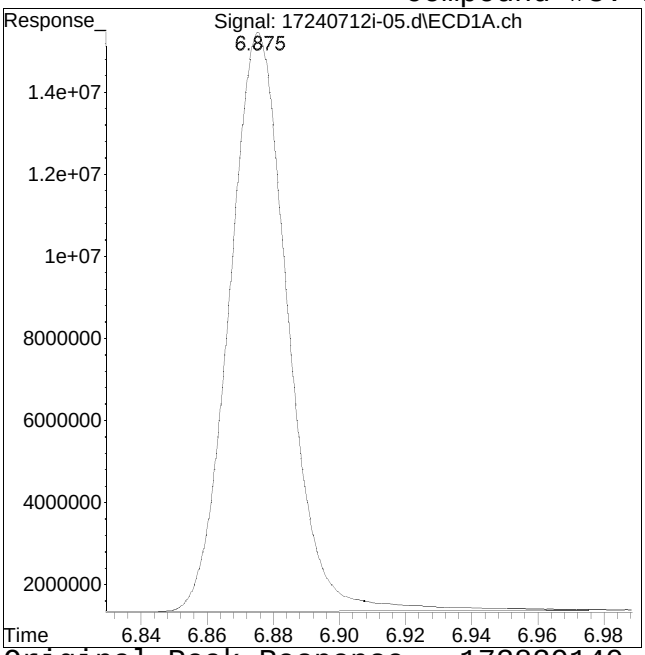


Original Peak Response = 615125416 Manual Peak Response = 610852030 M4
M4 = Poor automated baseline construction.

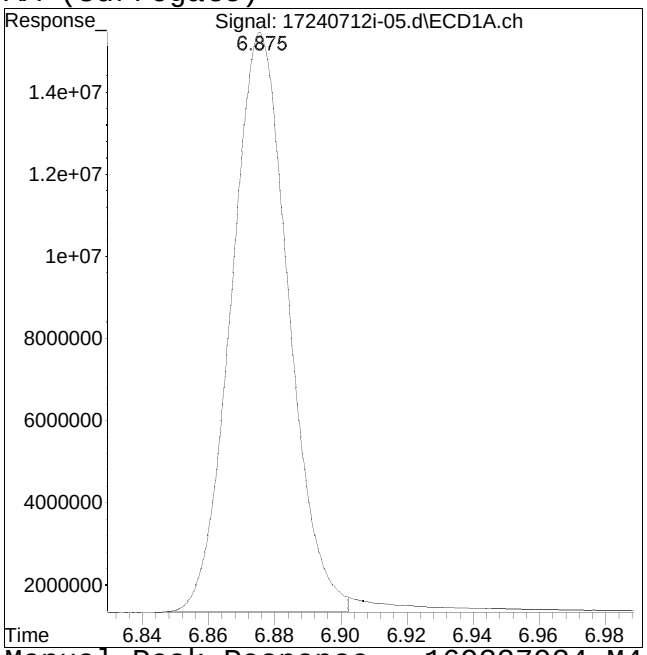
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #3: DCAA (surrogate)



Original Peak Response = 173839140

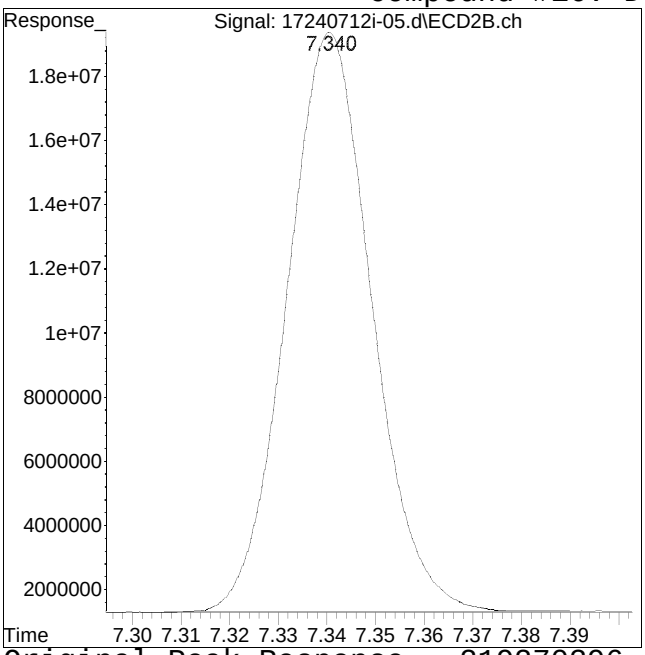


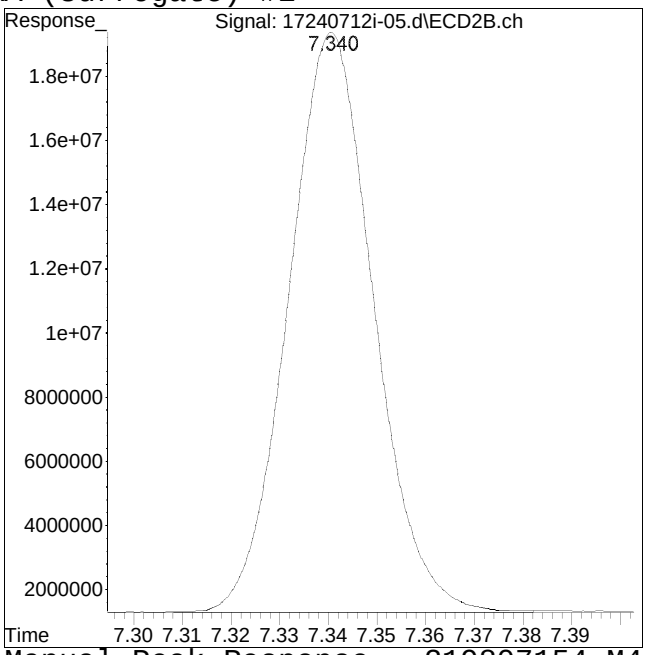
Manual Peak Response = 169327924 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #16: DCAA (surrogate) #2



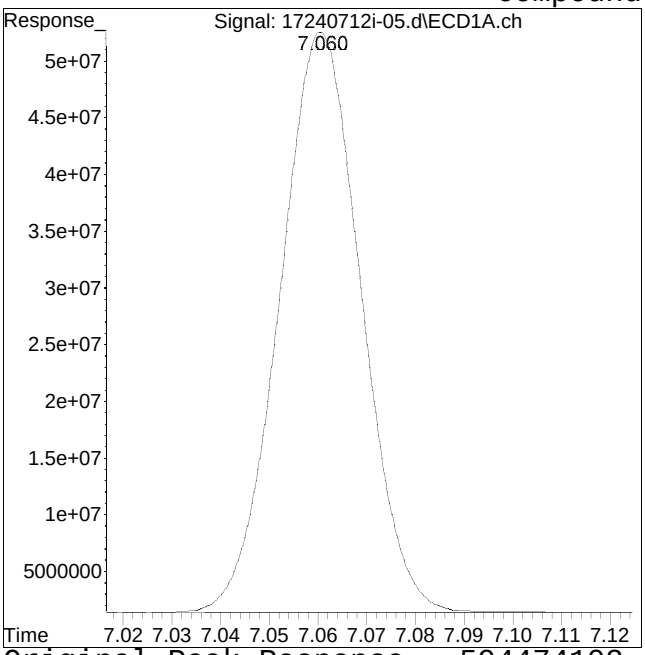


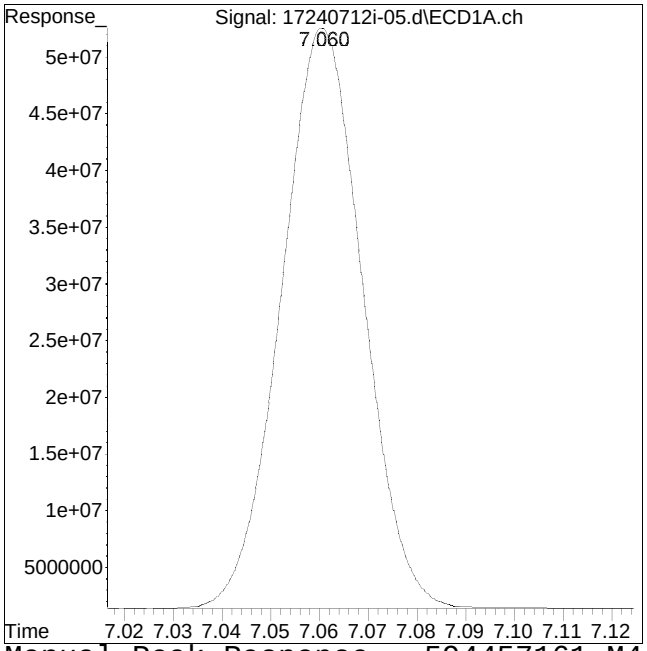
Original Peak Response = 219270396 Manual Peak Response = 219807154 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #4: Dicamba



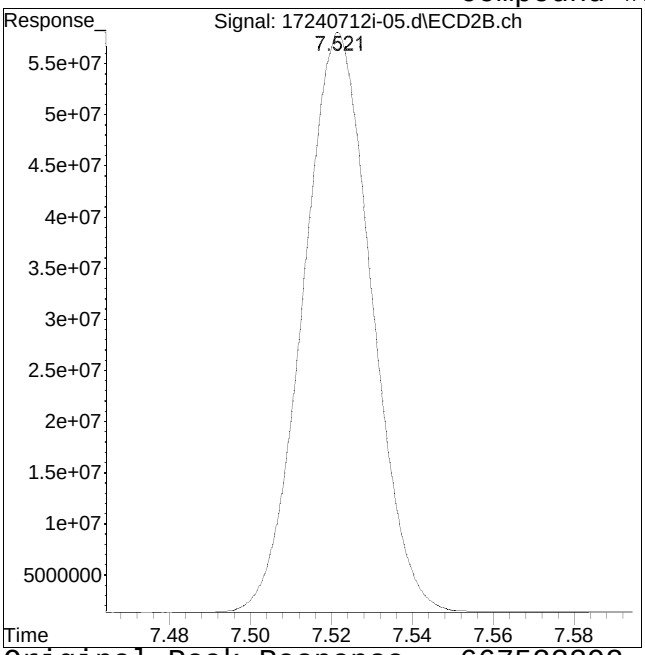


Original Peak Response = 594474102 Manual Peak Response = 594457161 M4
M4 = Poor automated baseline construction.

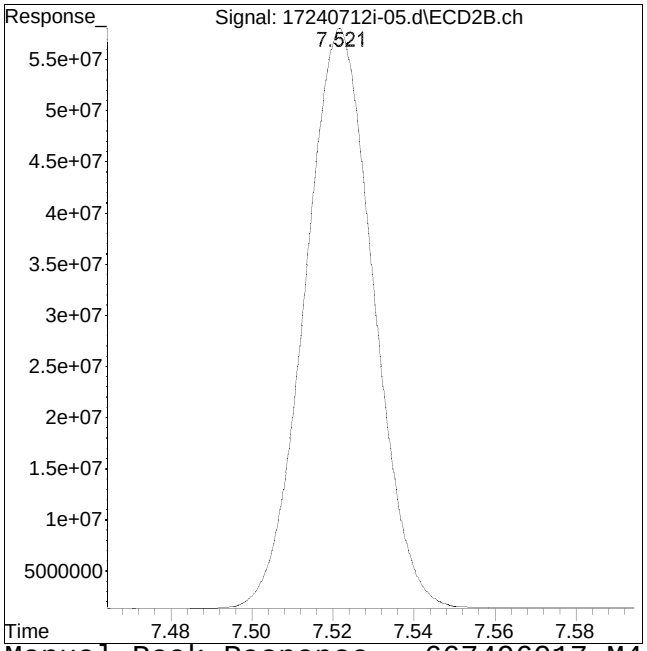
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #17: Dicamba #2



Original Peak Response = 667533392

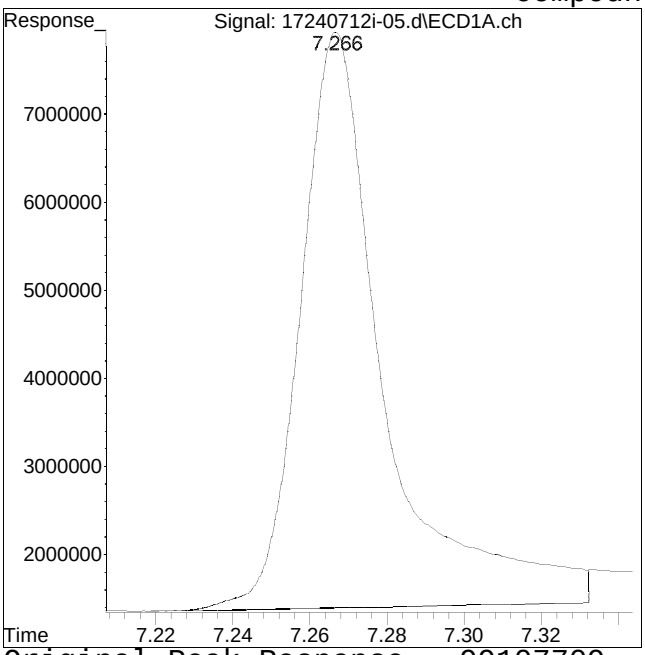


Manual Peak Response = 667496017 M4
M4 = Poor automated baseline construction.

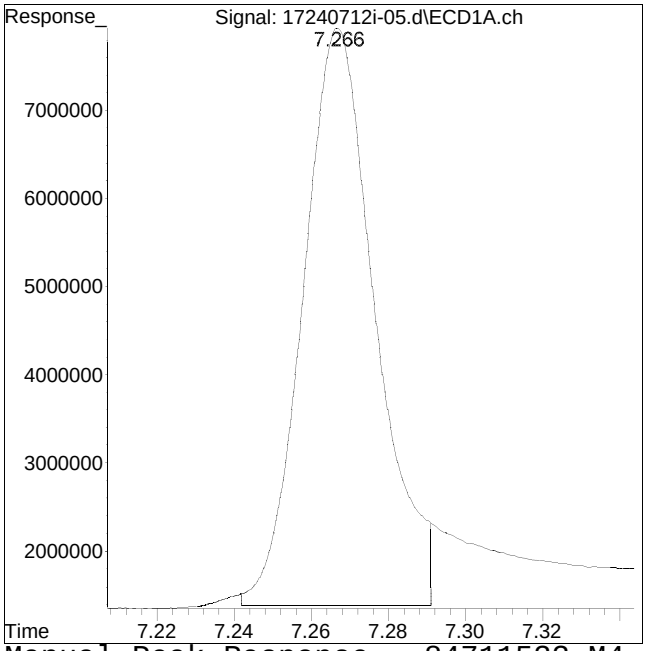
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #5: MCPP



Original Peak Response = 99107709



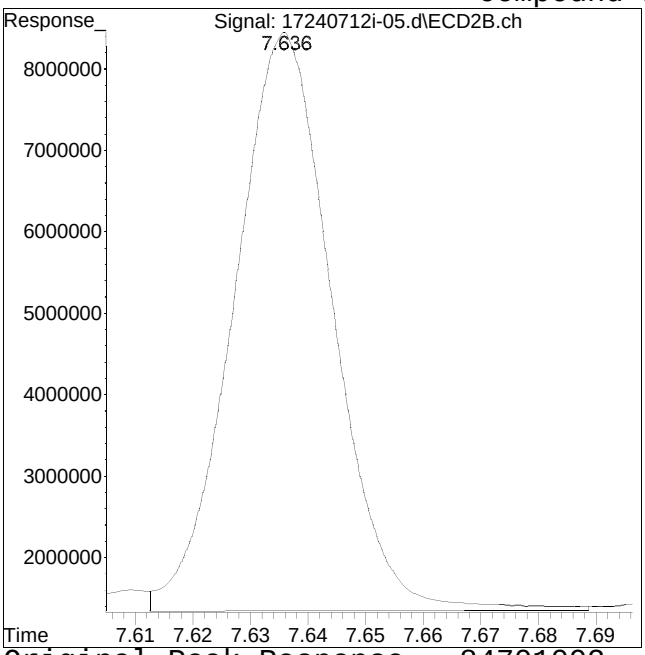
Manual Peak Response = 84711533 M4

M4 = Poor automated baseline construction.

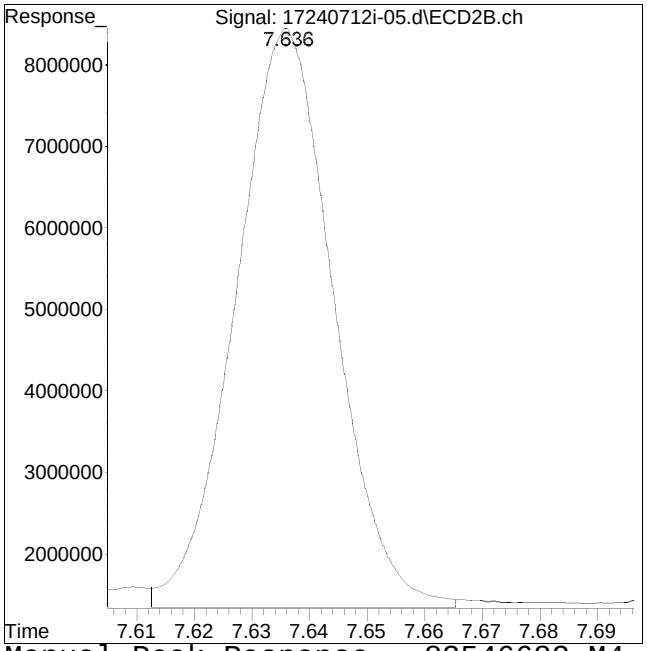
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #18: MCPP #2



Original Peak Response = 84701092



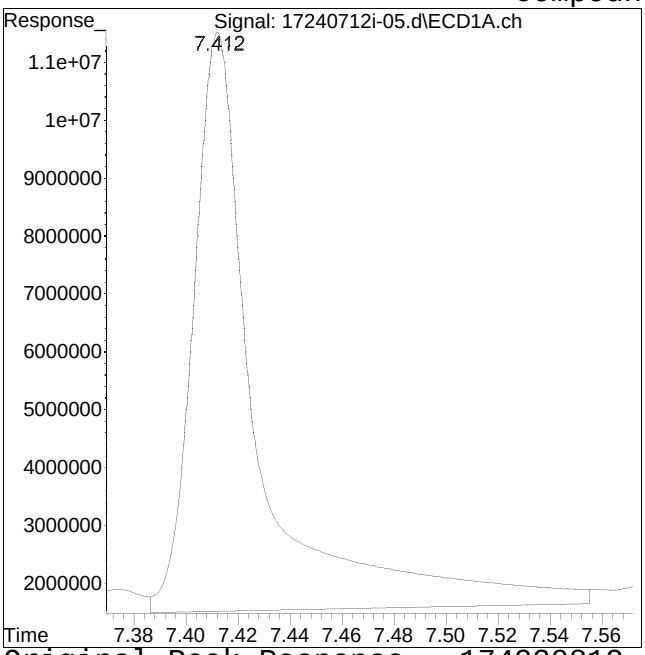
Manual Peak Response = 83546682 M4

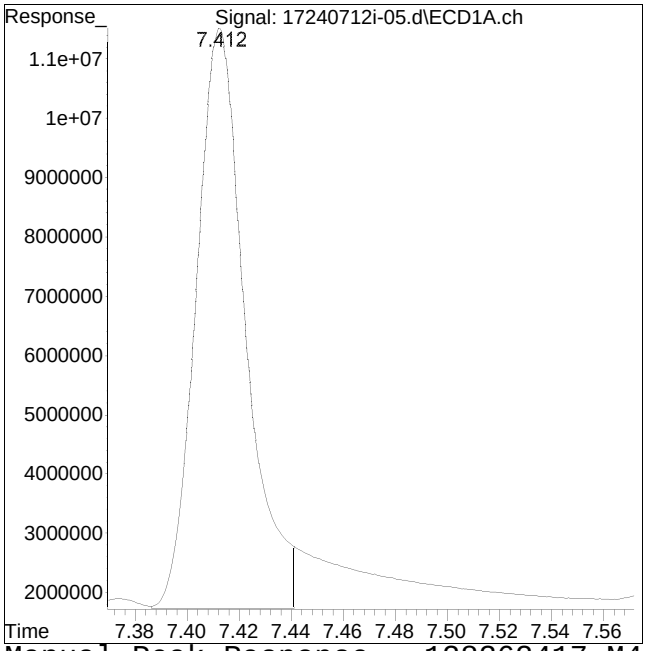
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #6: MCPA



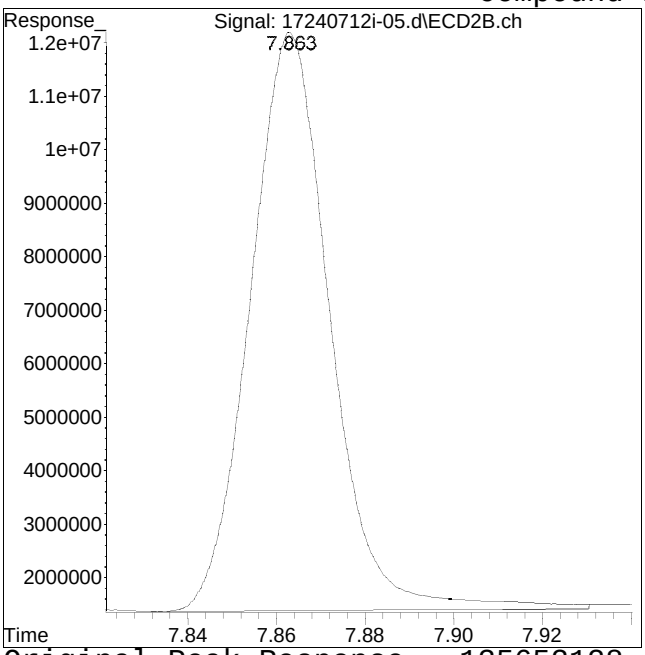


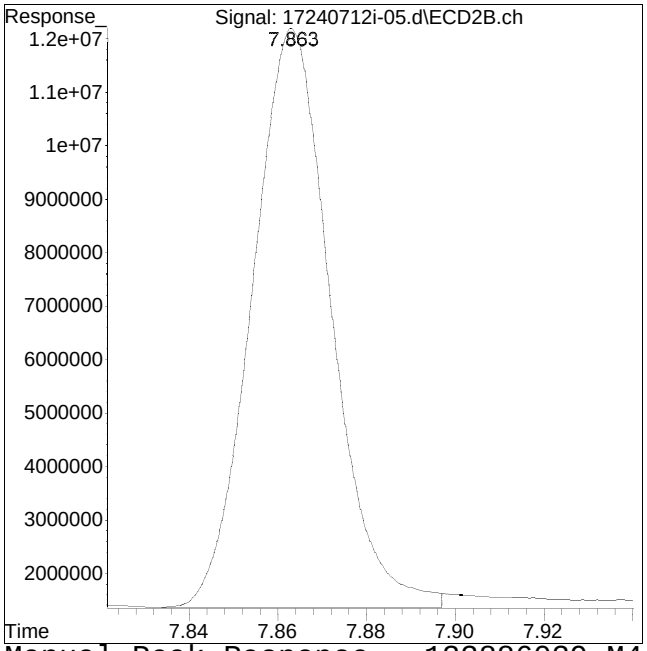
Original Peak Response = 174220812 Manual Peak Response = 128362417 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #19: MCPA #2



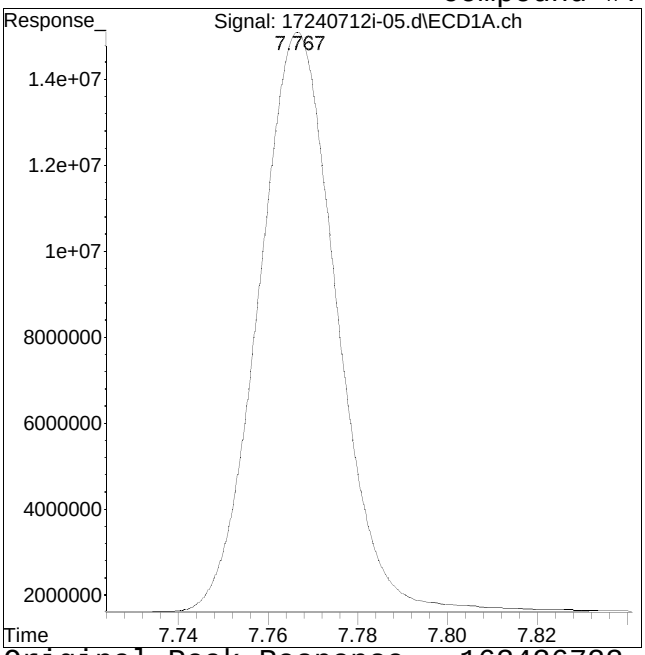


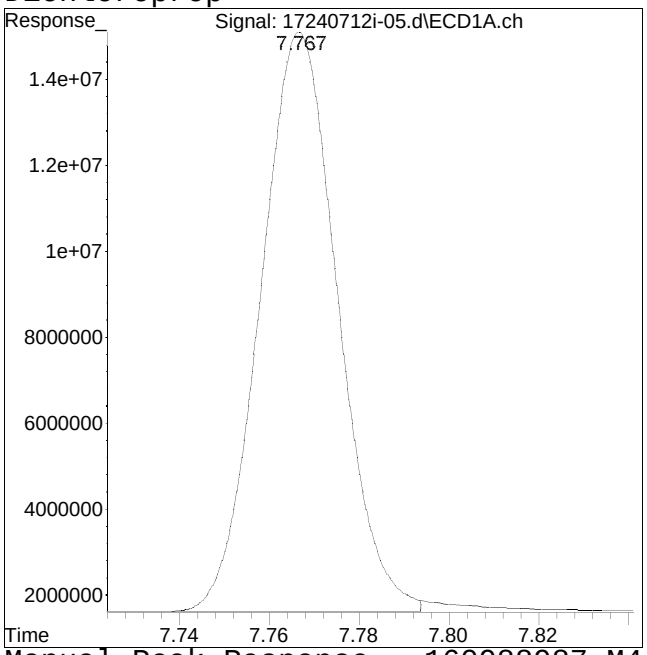
Original Peak Response = 135652128 Manual Peak Response = 133886039 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #7: Dichloroprop



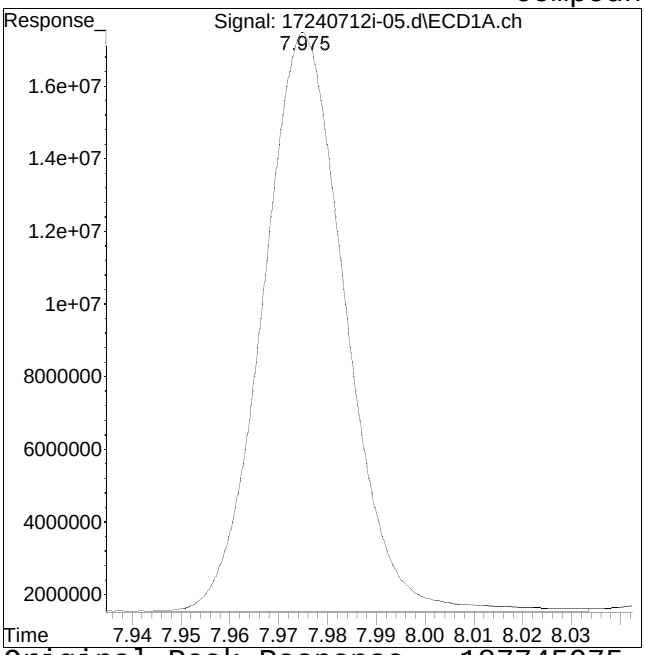


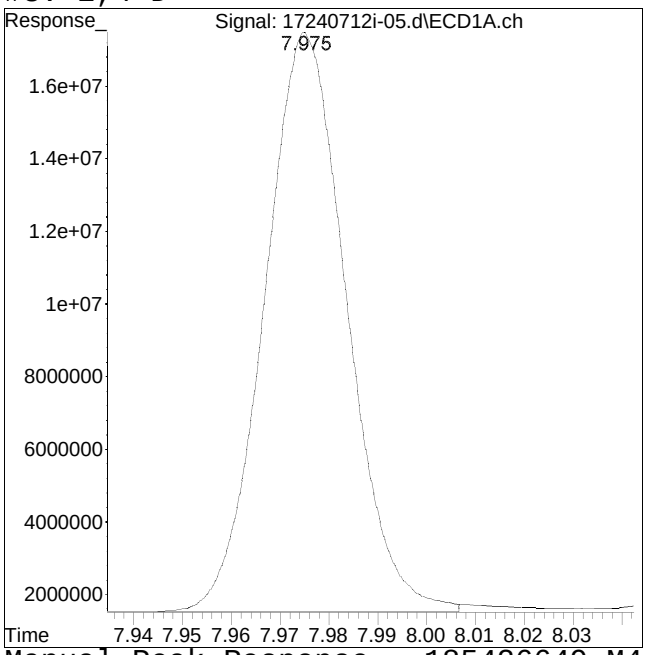
Original Peak Response = 163436723 Manual Peak Response = 160988987 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #8: 2,4-D



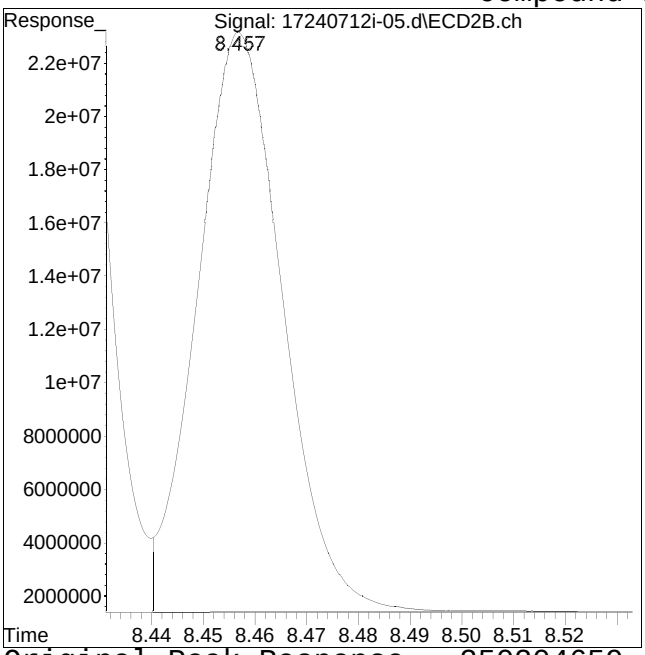


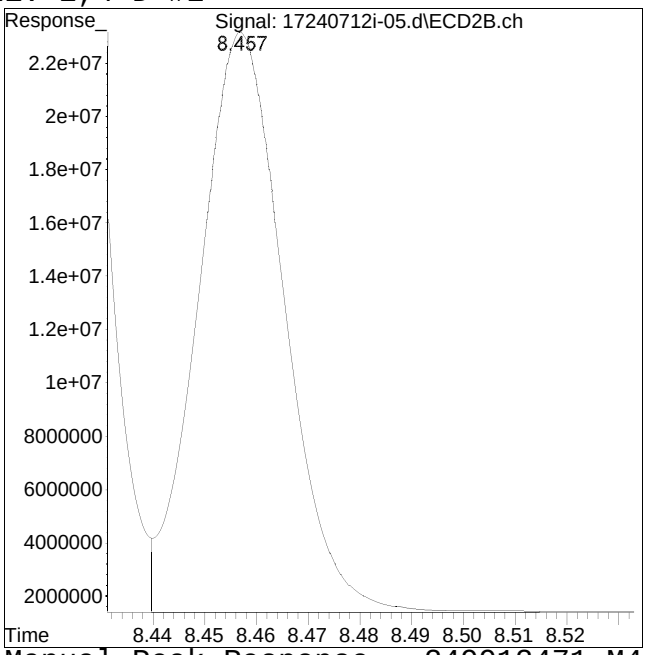
Original Peak Response = 187745975 Manual Peak Response = 185426649 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #21: 2,4-D #2



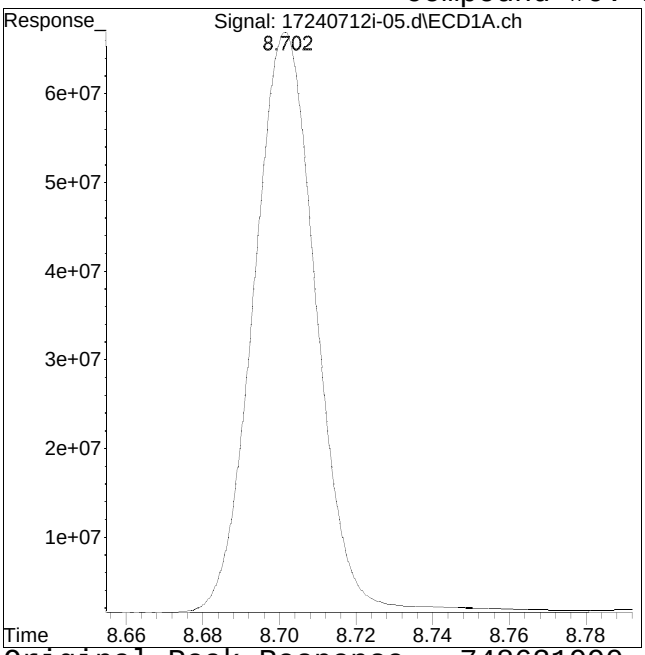


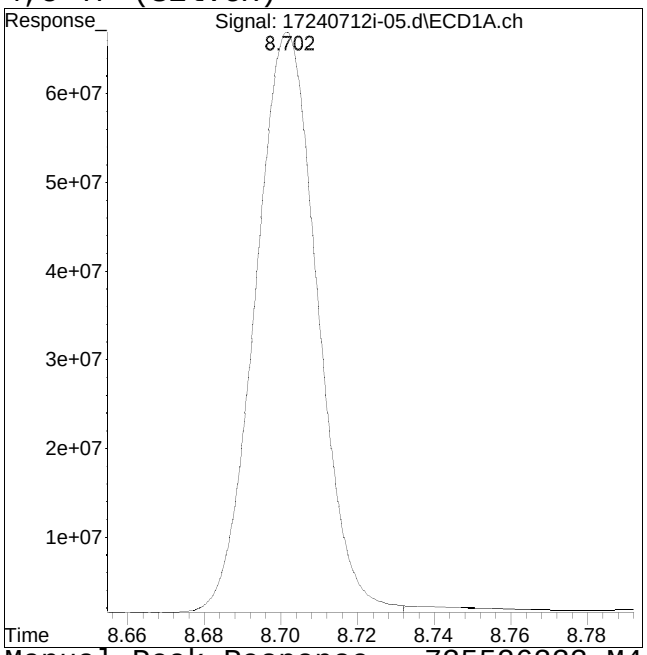
Original Peak Response = 250204659 Manual Peak Response = 249912471 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #9: 2,4,5-TP (Silvex)



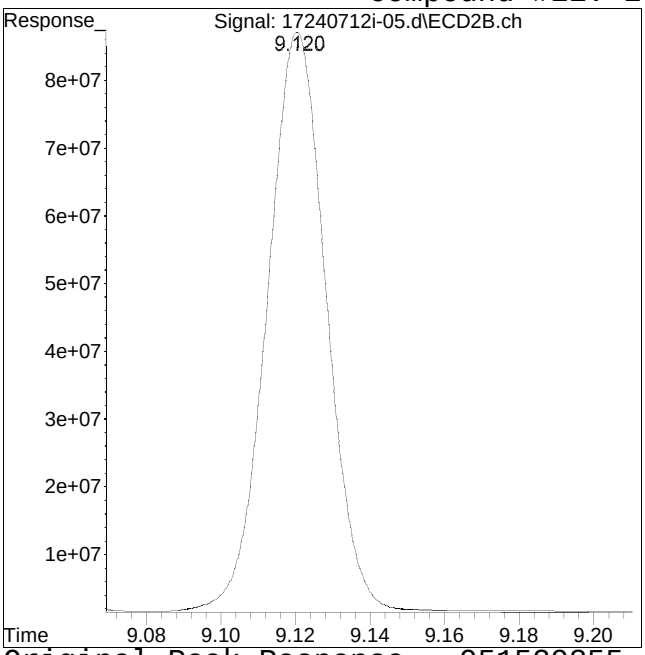


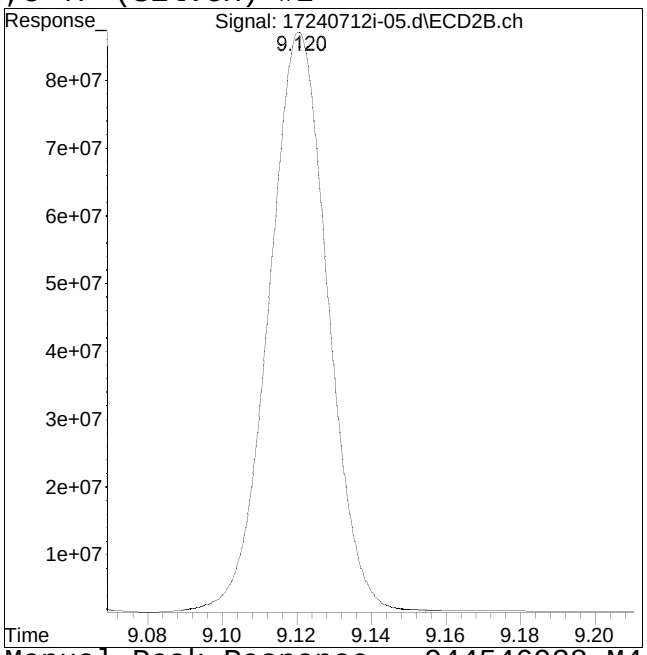
Original Peak Response = 748631990 Manual Peak Response = 735526333 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #22: 2,4,5-TP (Silvex) #2



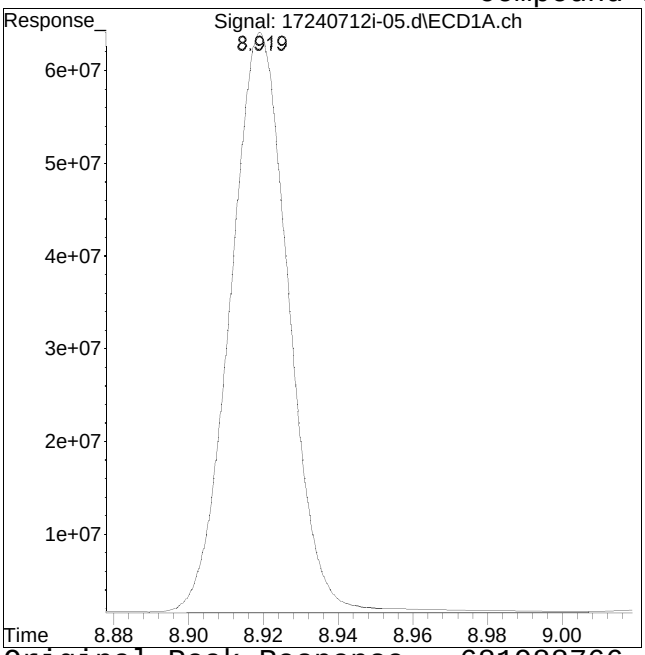


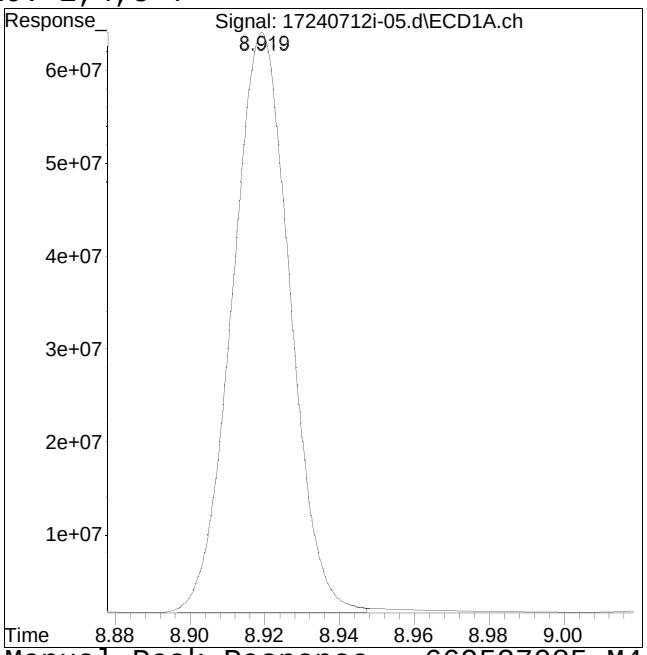
Original Peak Response = 951529355 Manual Peak Response = 944546938 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #10: 2,4,5-T



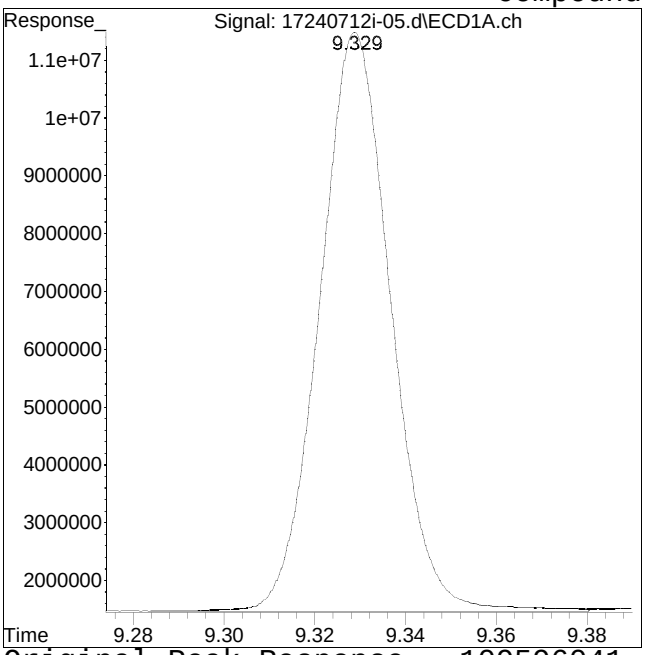


Original Peak Response = 681988766 Manual Peak Response = 669527085 M4
M4 = Poor automated baseline construction.

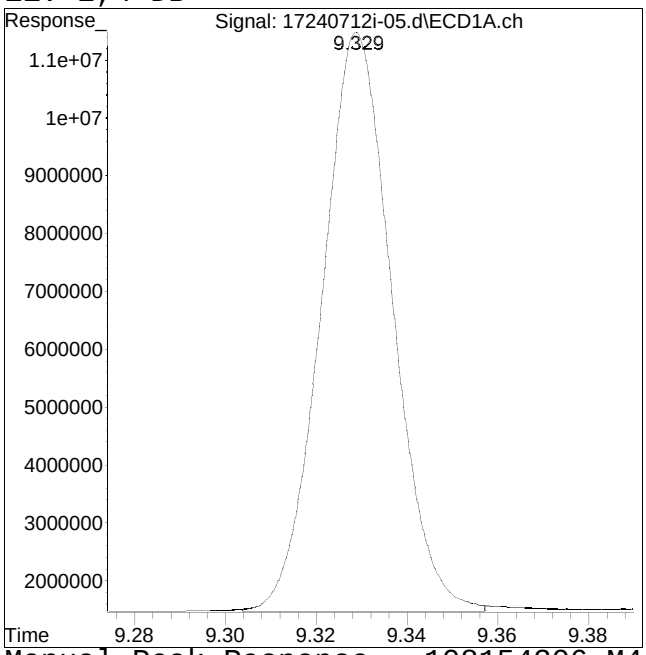
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #11: 2,4-DB



Original Peak Response = 109596041

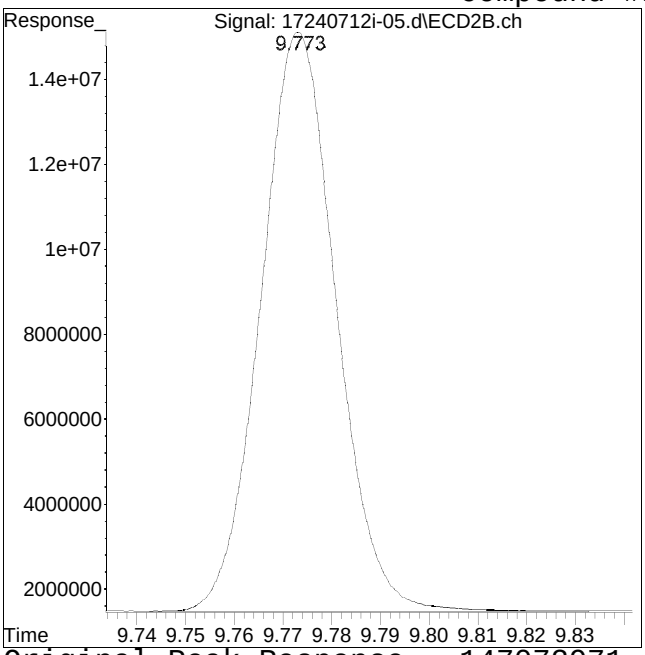


Manual Peak Response = 108154306 M4
M4 = Poor automated baseline construction.

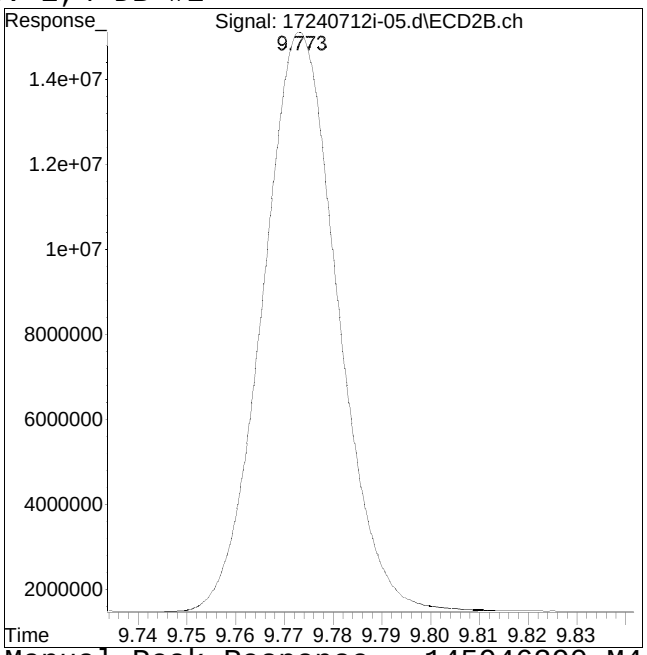
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #24: 2,4-DB #2



Original Peak Response = 147072971



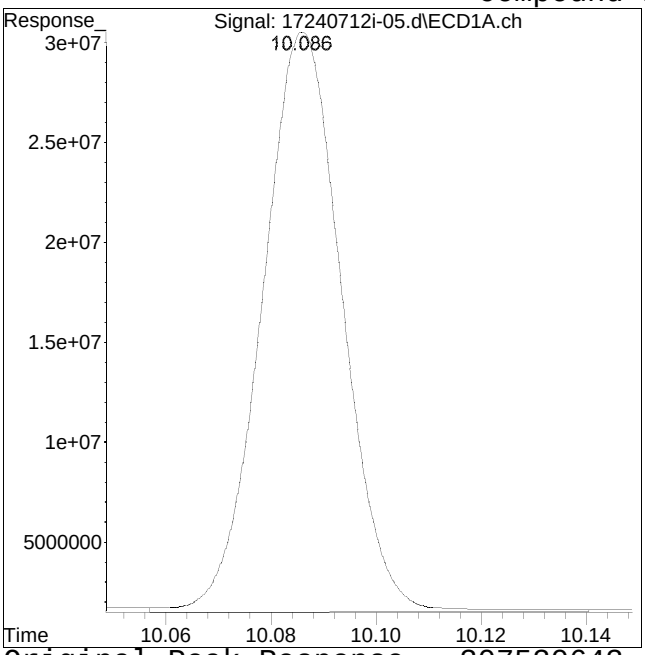
Manual Peak Response = 145946390 M4

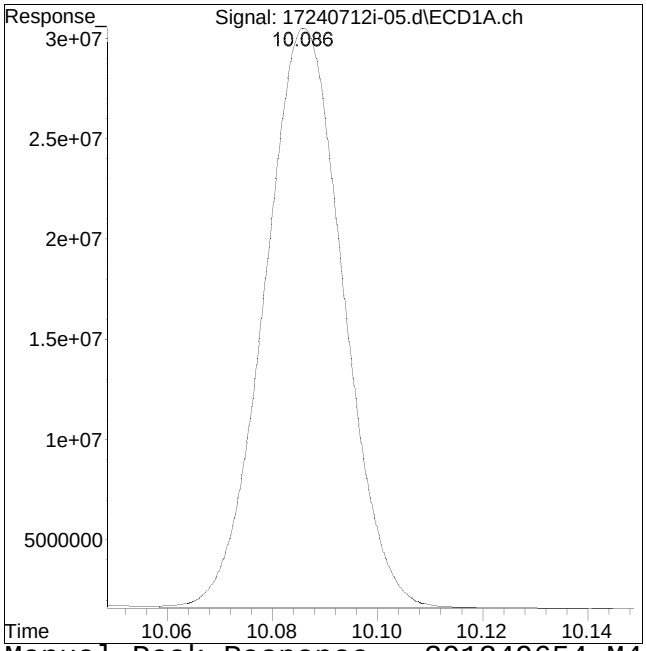
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #12: Dinoseb



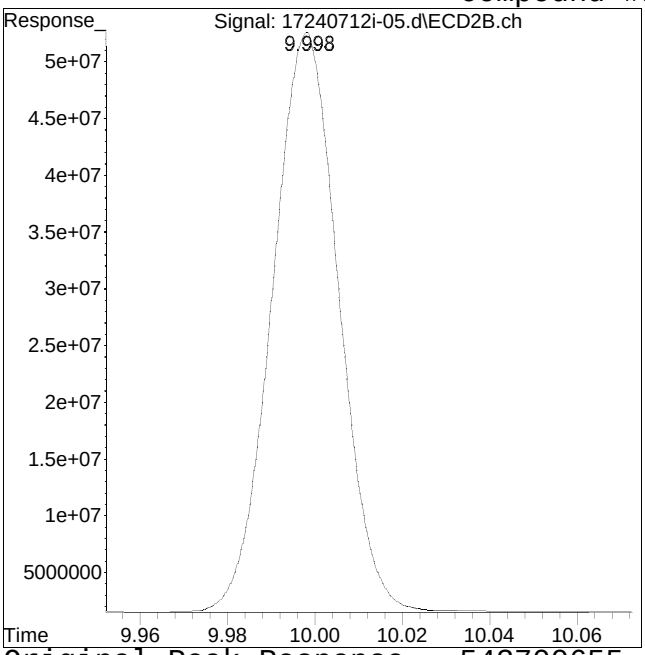


Original Peak Response = 307530643 Manual Peak Response = 301349654 M4
M4 = Poor automated baseline construction.

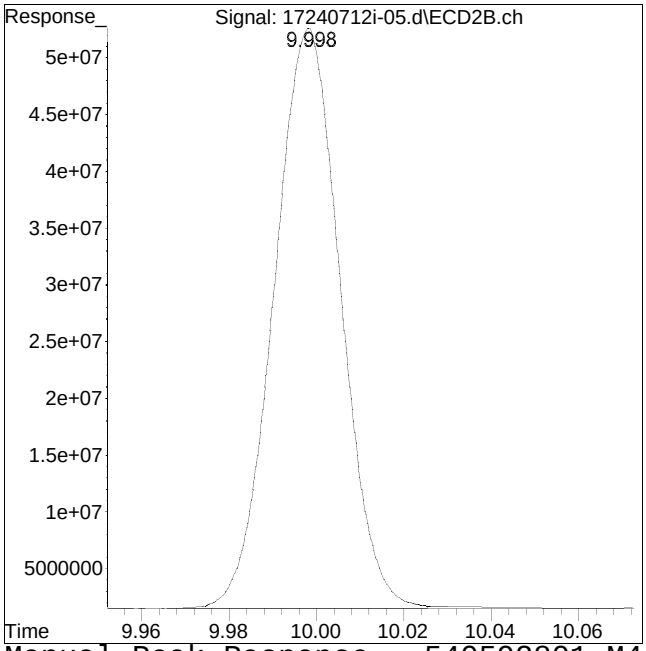
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-05.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:36 pm Instrument : Pest 17
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/13/2024 9:29 am

Compound #25: Dinoseb #2



Original Peak Response = 543700655



Manual Peak Response = 540592801 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	678.4E6	695.0E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	359.2E6	451.0E6	0.869M4	0.860M4
		Spiked Amount 0.500	Range 30 - 150		Recovery =		173.80%#	172.00%#
		Target Compounds						
2)	t	Dalapon	1.897	1.921	314.5E6	436.5E6	0.845	0.840
4)	t	Dicamba	7.060	7.522	1297.5E6	1413.7E6	0.910M4	0.895M4
5)	t	MCPP	7.267	7.637	177.6E6	176.2E6	86.608M4	88.623M4
6)	t	MCPA	7.414	7.865	250.2E6	269.8E6	78.873M4	82.912M4
7)	t	Dichloroprop	7.766	8.181	353.5E6	422.3E6	0.908M4	0.868M4
8)	t	2,4-D	7.975	8.457	408.9E6	529.9E6	0.912M4	0.894M4
9)	t	2,4,5-TP (Si	8.701	9.121	1658.6E6	2034.6E6	0.947M4	0.916M4
10)	t	2,4,5-T	8.919	9.410	1521.9E6	1956.4E6	0.952M4	0.925M4
11)	t	2,4-DB	9.328	9.773	240.2E6	315.8E6	0.935M4	0.922M4
12)	t	Dinoseb	10.086	9.998	653.5E6	1175.2E6	0.907M4	0.922M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

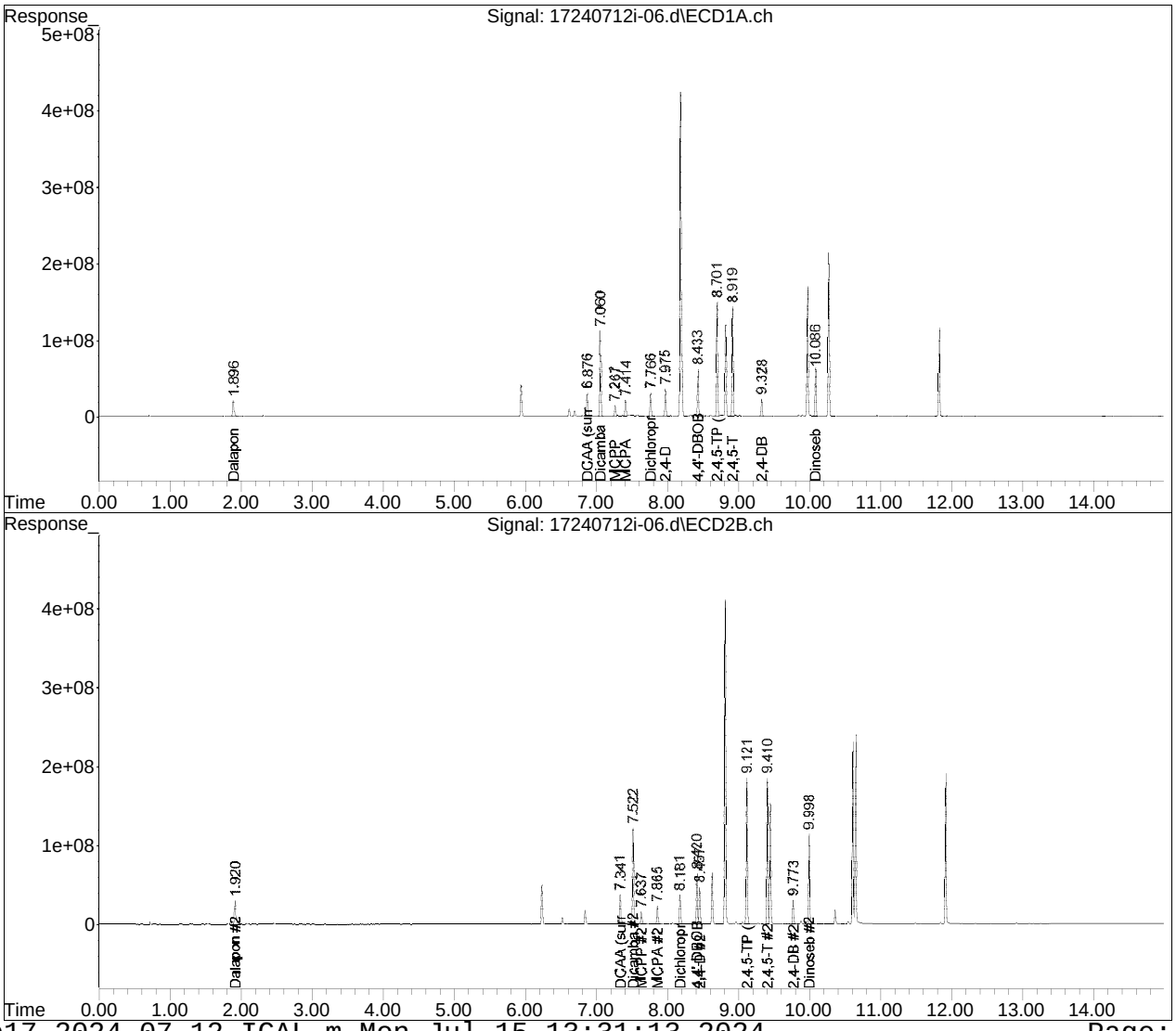
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-06.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 3:54 pm
Operator : PEST17:peg
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:36:11 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:36:03 2024
Response via : Initial Calibration
Integrator: ChemStation

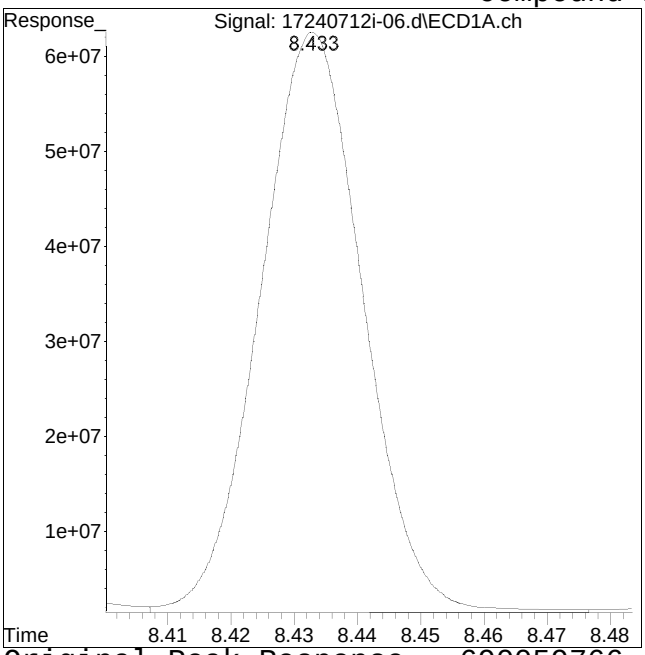
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



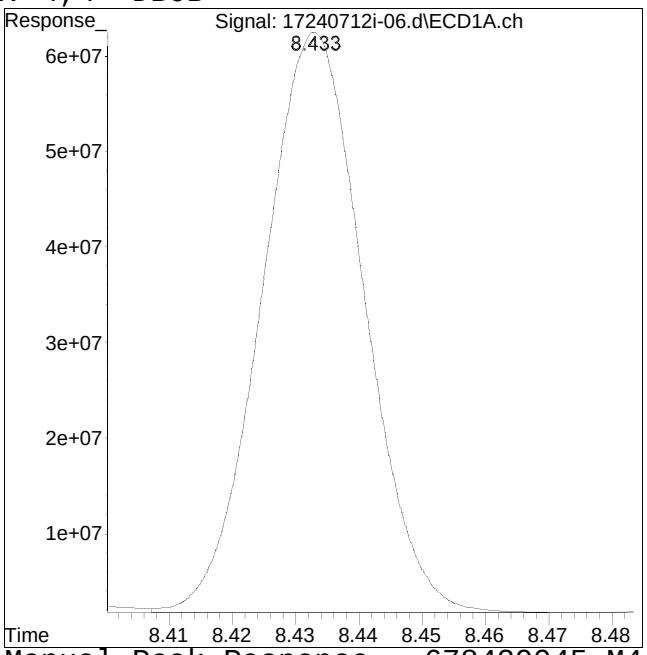
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #1: 4,4'-DBOB



Original Peak Response = 690059766



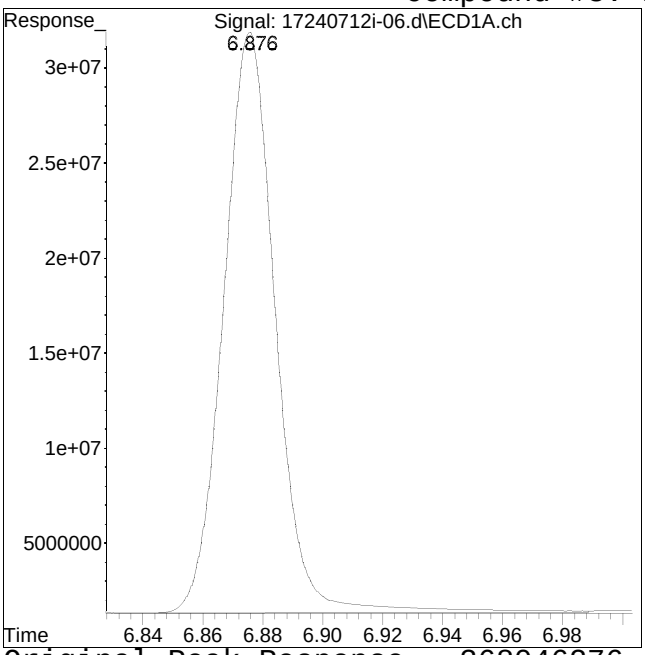
Manual Peak Response = 678429945 M4

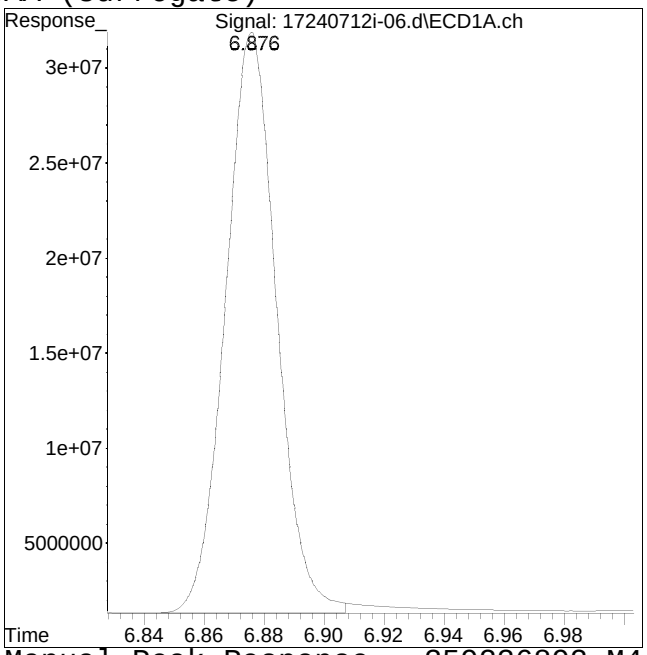
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #3: DCAA (surrogate)



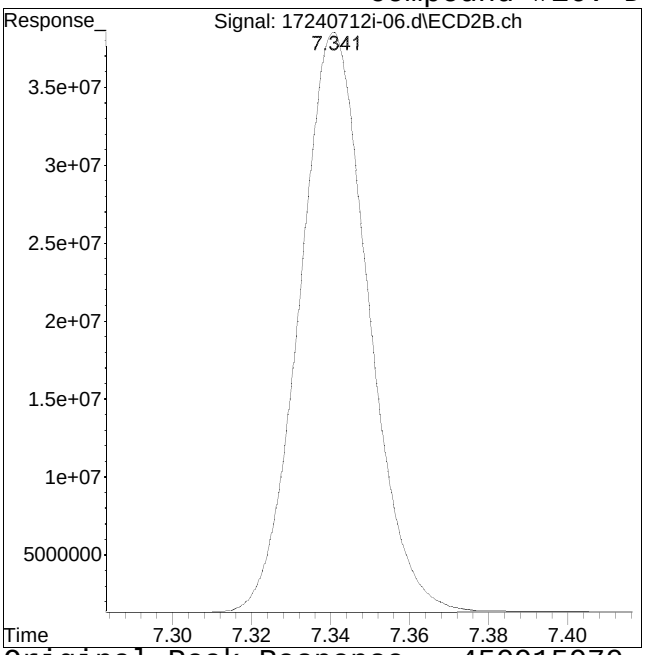


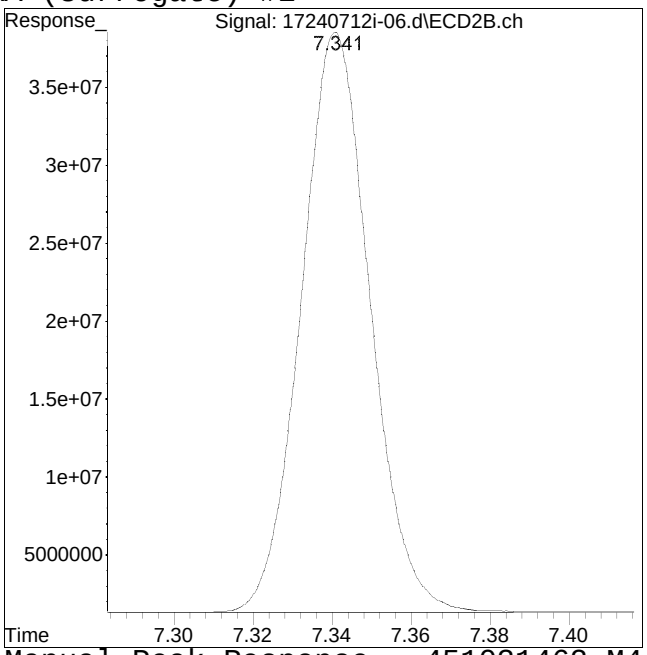
Original Peak Response = 368046276 Manual Peak Response = 359236892 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #16: DCAA (surrogate) #2



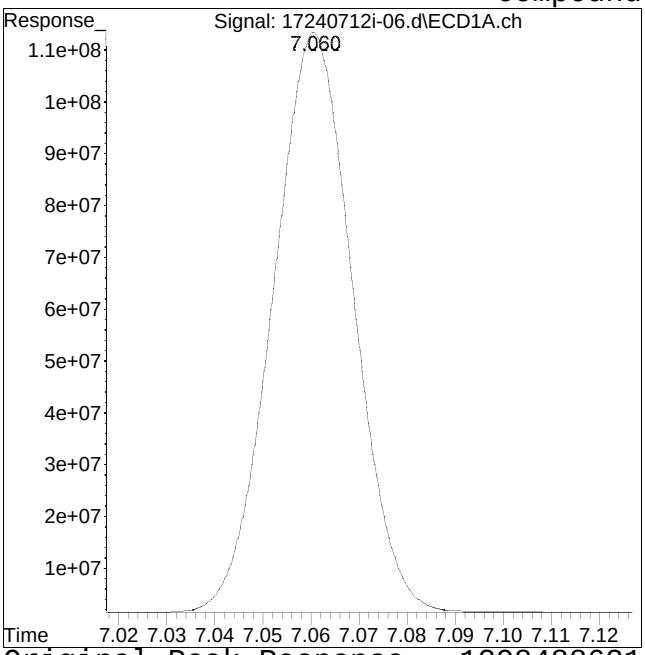


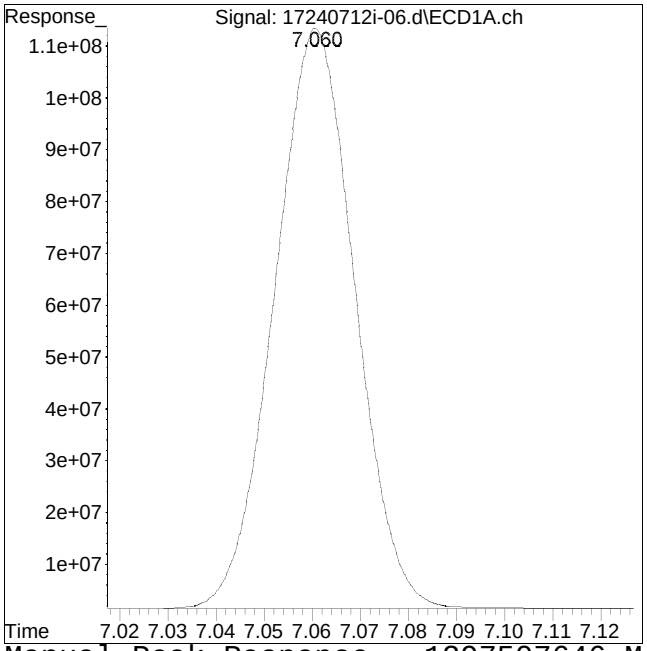
Original Peak Response = 450915970 Manual Peak Response = 451031462 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #4: Dicamba



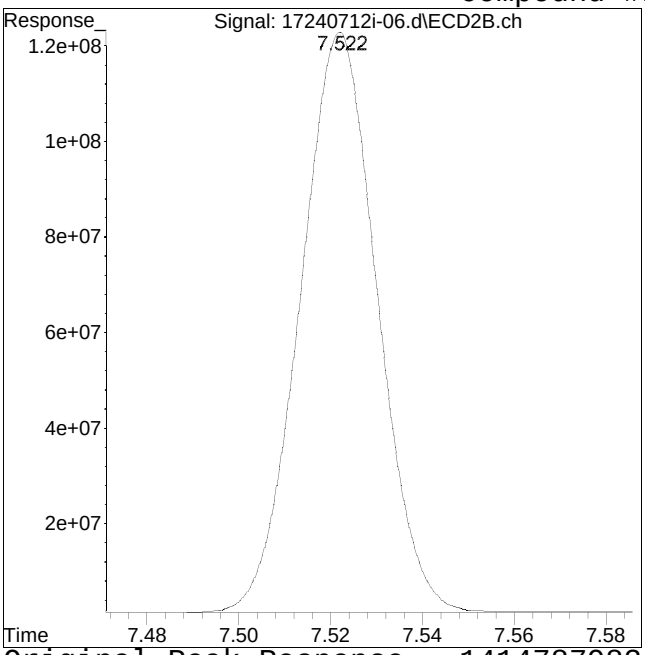


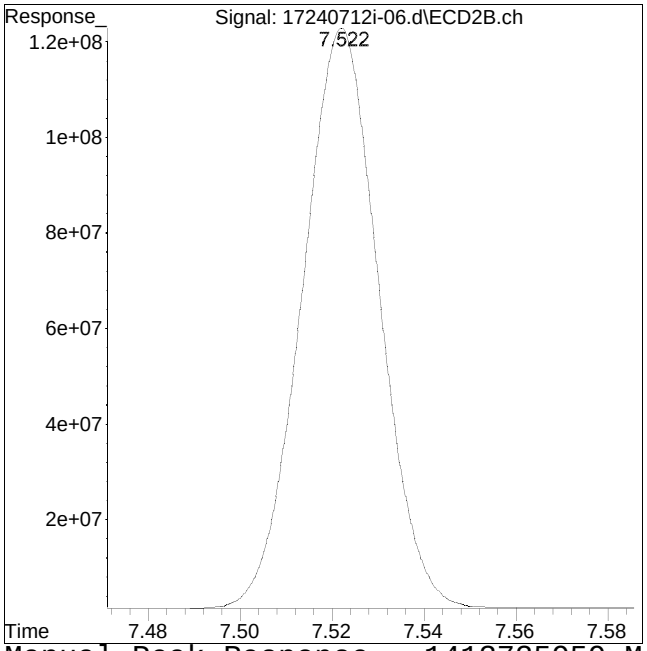
Original Peak Response = 1298488621 Manual Peak Response = 1297507646 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #17: Dicamba #2



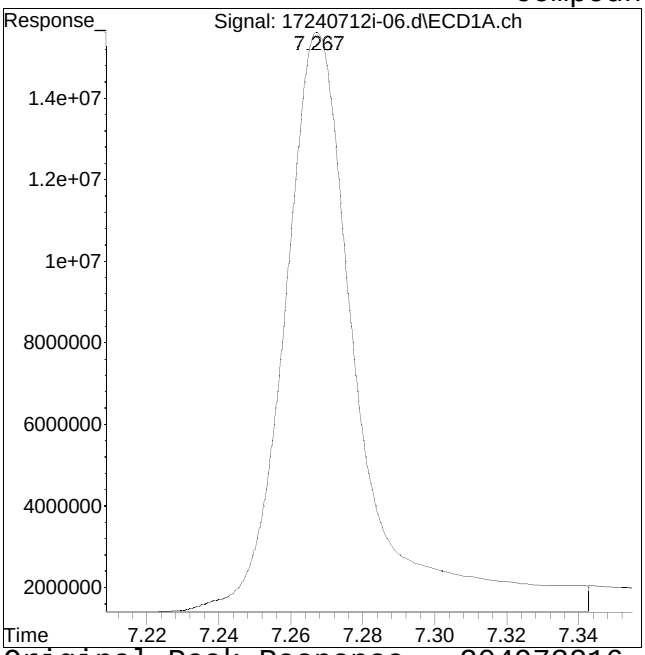


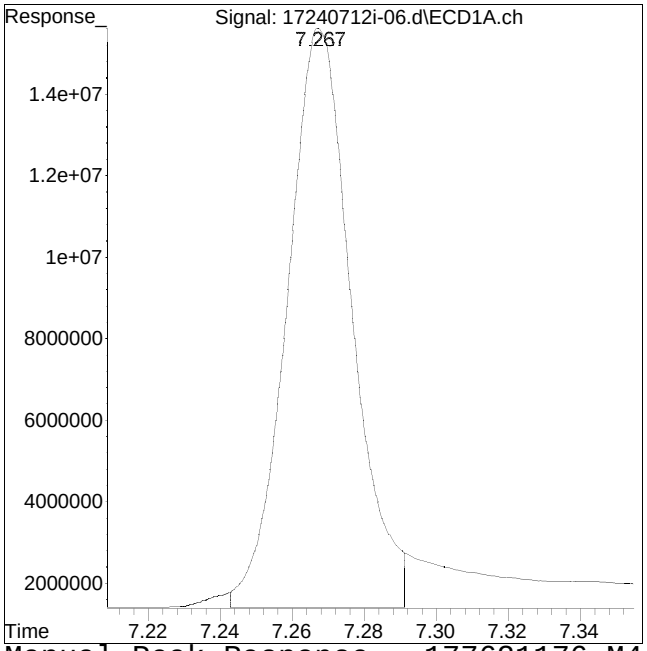
Original Peak Response = 1414787983 Manual Peak Response = 1413735959 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #5: MCPP



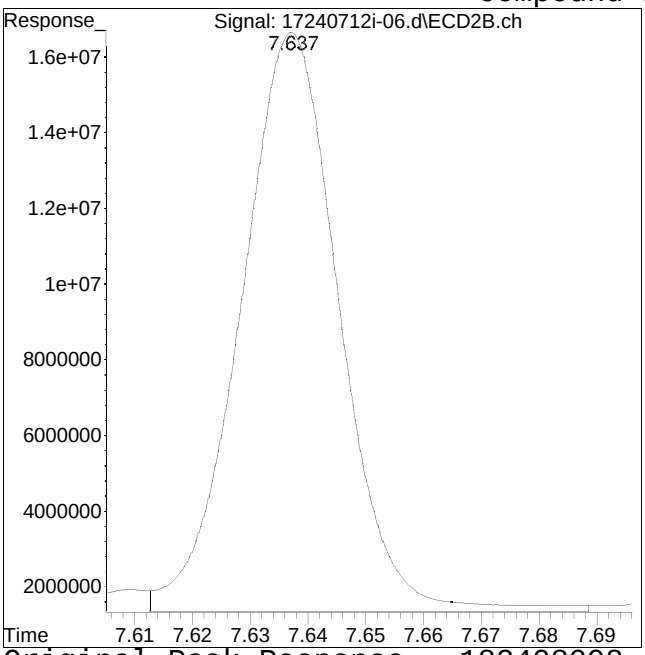


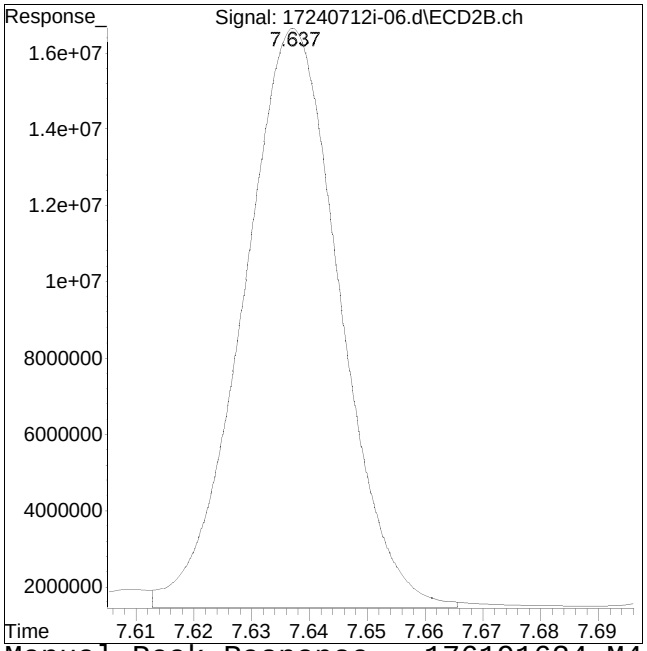
Original Peak Response = 204973216 Manual Peak Response = 177621176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #18: MCPP #2



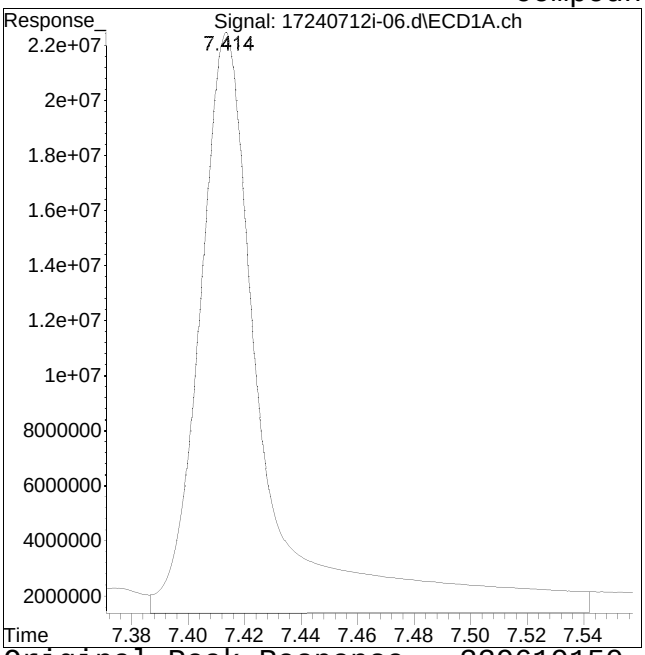


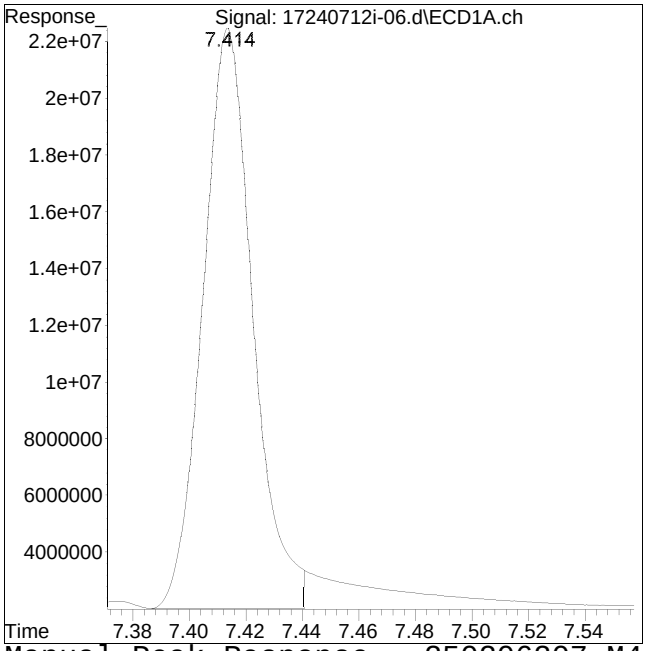
Original Peak Response = 182408998 Manual Peak Response = 176191624 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #6: MCPA



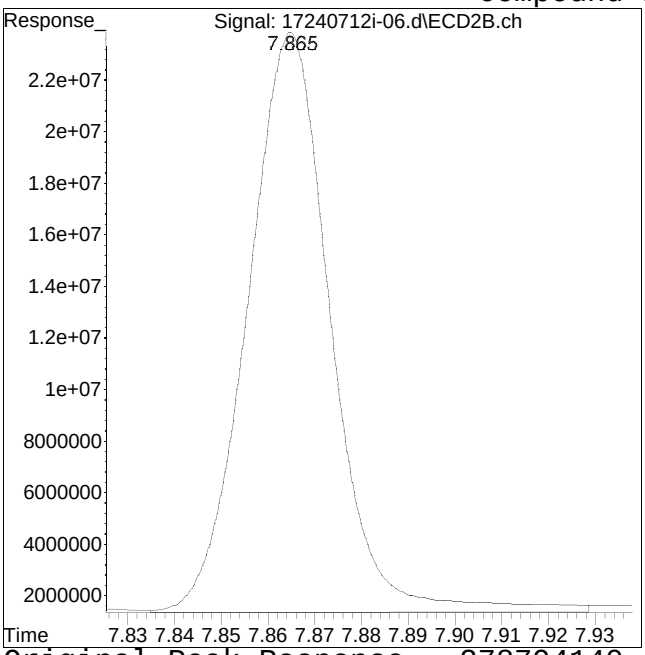


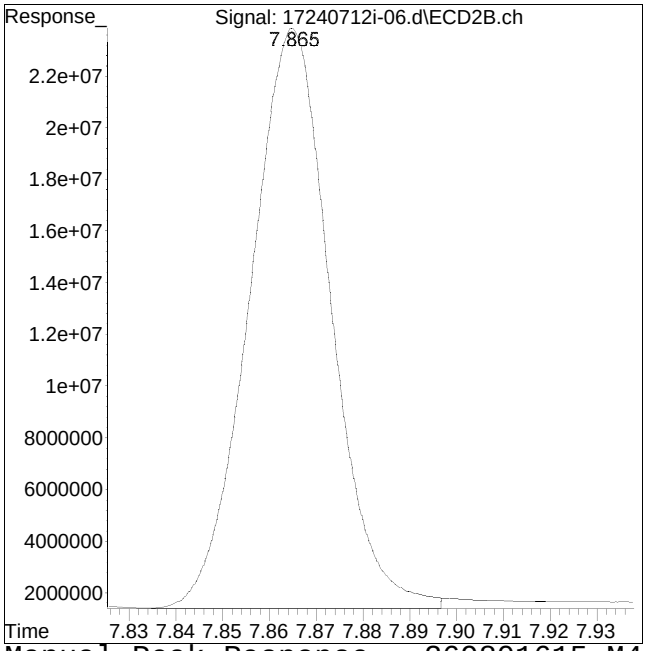
Original Peak Response = 339619150 Manual Peak Response = 250206207 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #19: MCPA #2



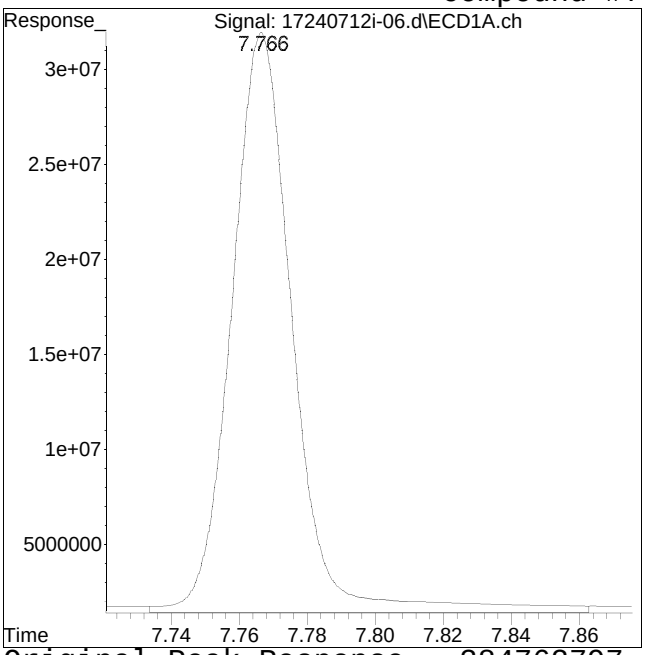


Original Peak Response = 278794140 Manual Peak Response = 269801615 M4
M4 = Poor automated baseline construction.

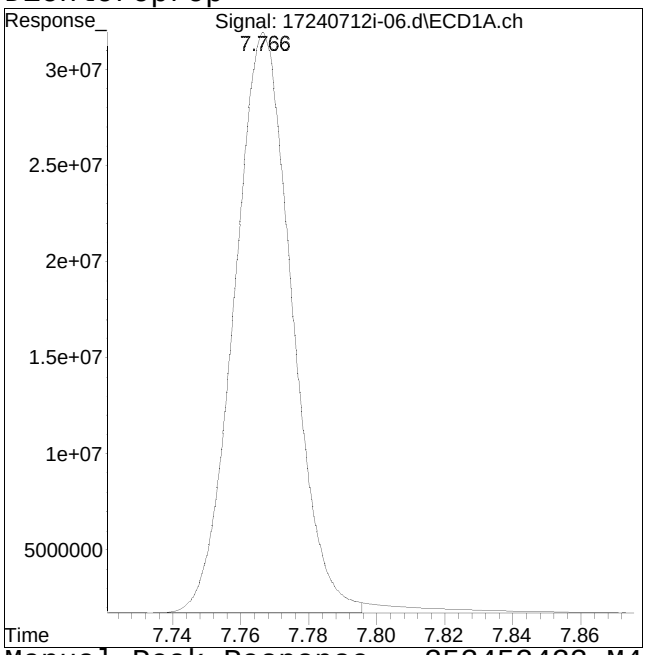
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #7: Dichloroprop



Original Peak Response = 384762797



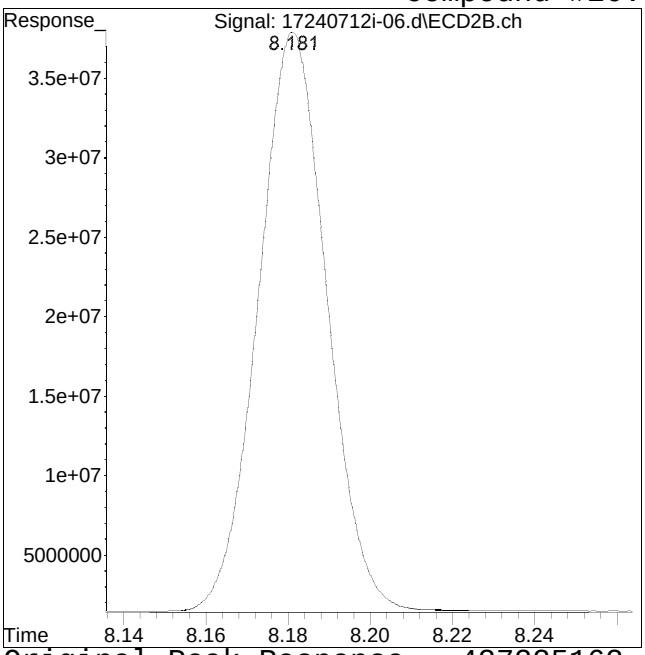
Manual Peak Response = 353452433 M4

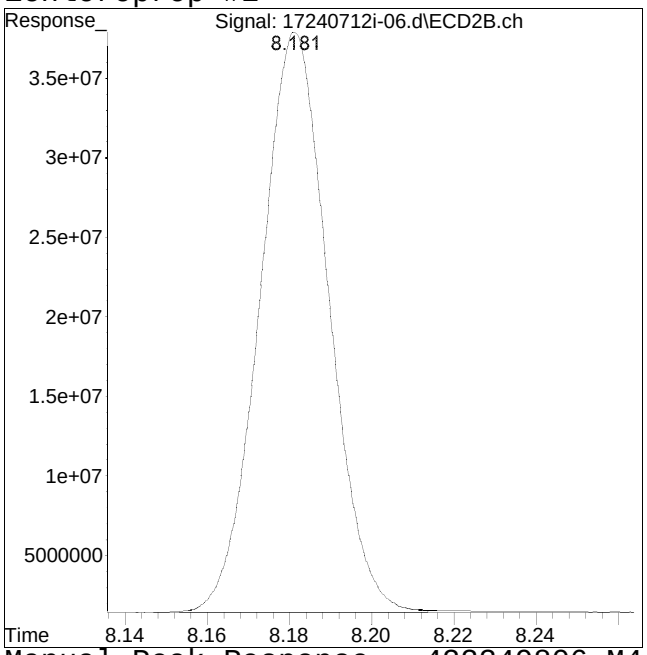
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #20: Dichloroprop #2



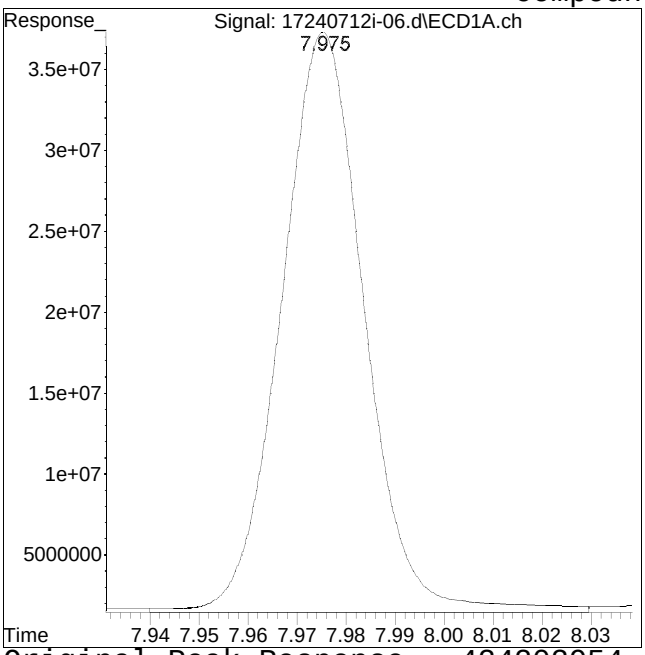


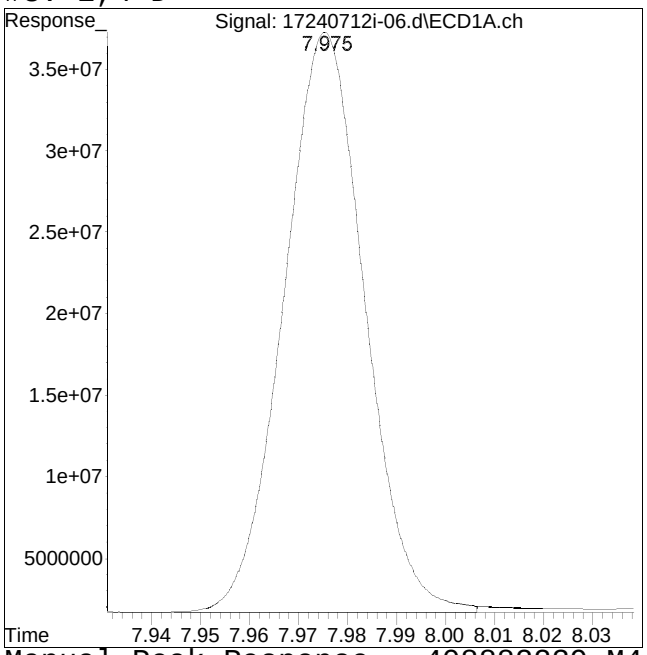
Original Peak Response = 427225162 Manual Peak Response = 422349806 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #8: 2,4-D



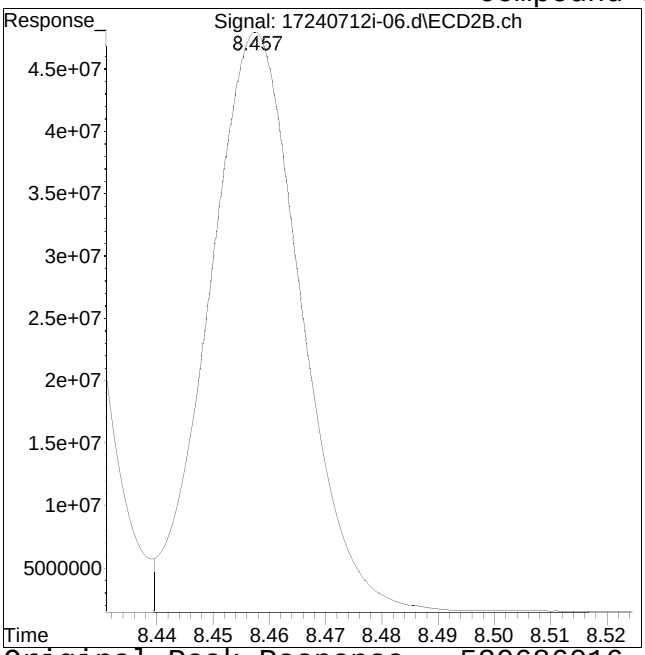


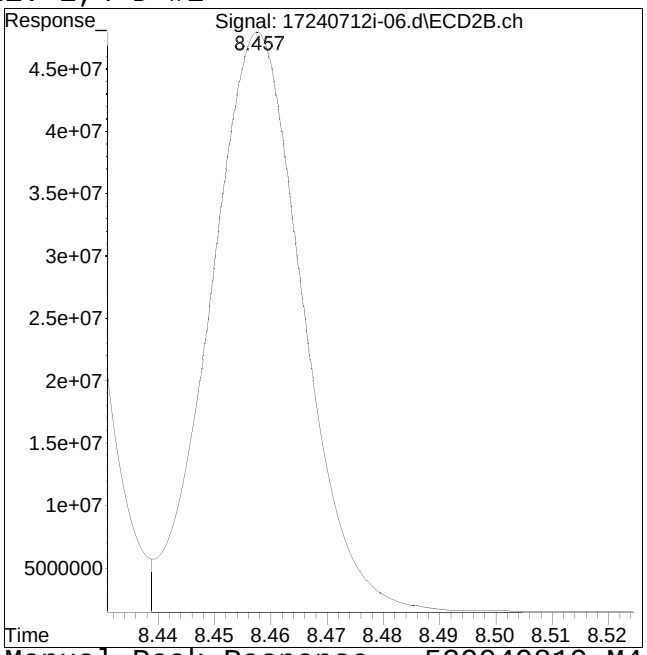
Original Peak Response = 424202954 Manual Peak Response = 408882239 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #21: 2,4-D #2



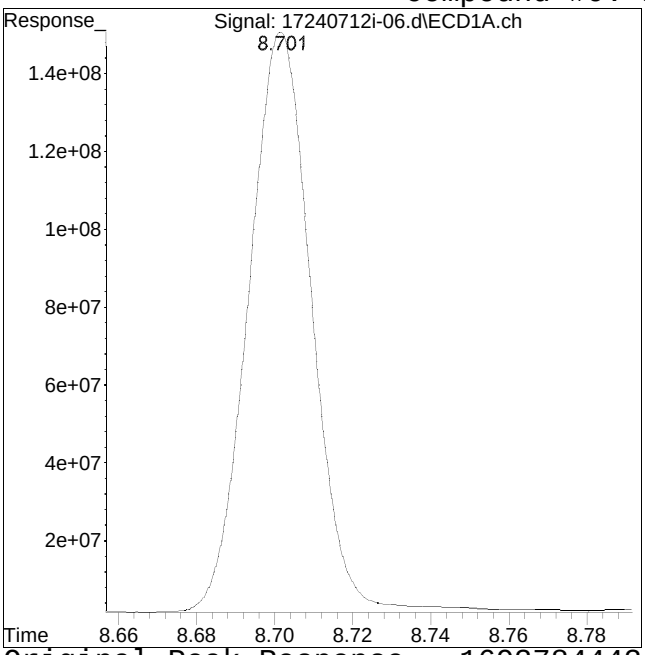


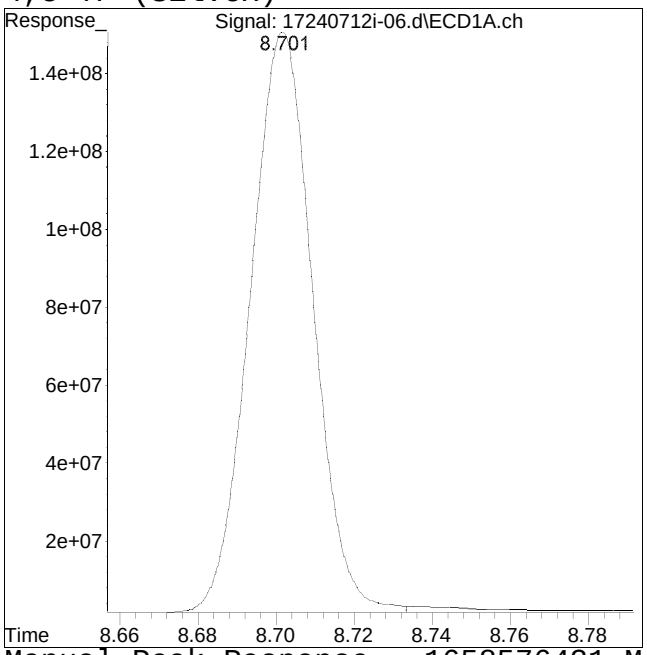
Original Peak Response = 530686016 Manual Peak Response = 529949819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #9: 2,4,5-TP (Silvex)



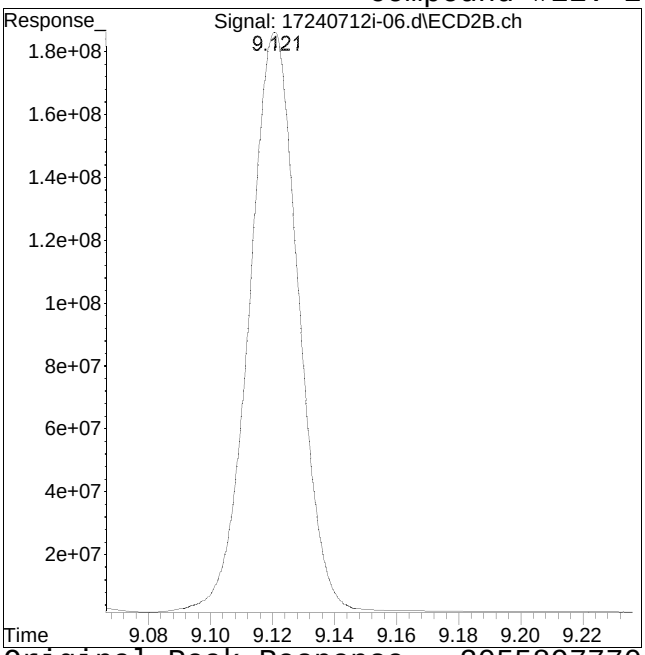


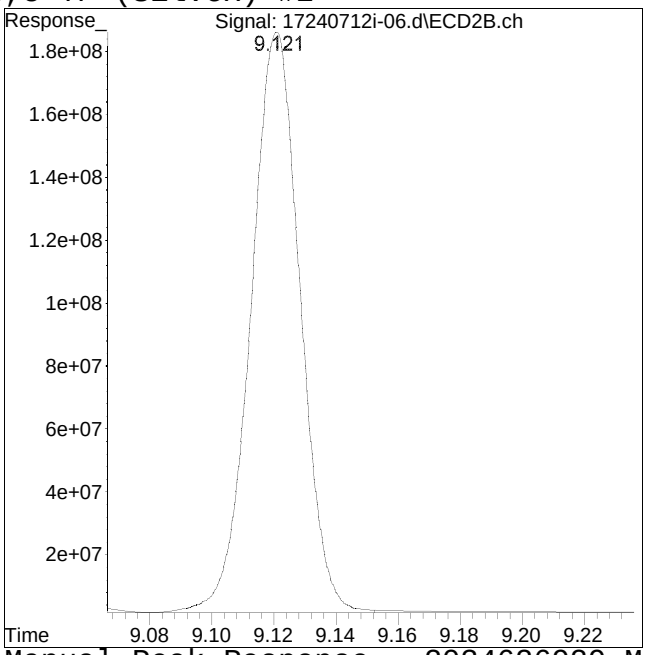
Original Peak Response = 1693784443 Manual Peak Response = 1658576431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #22: 2,4,5-TP (Silvex) #2



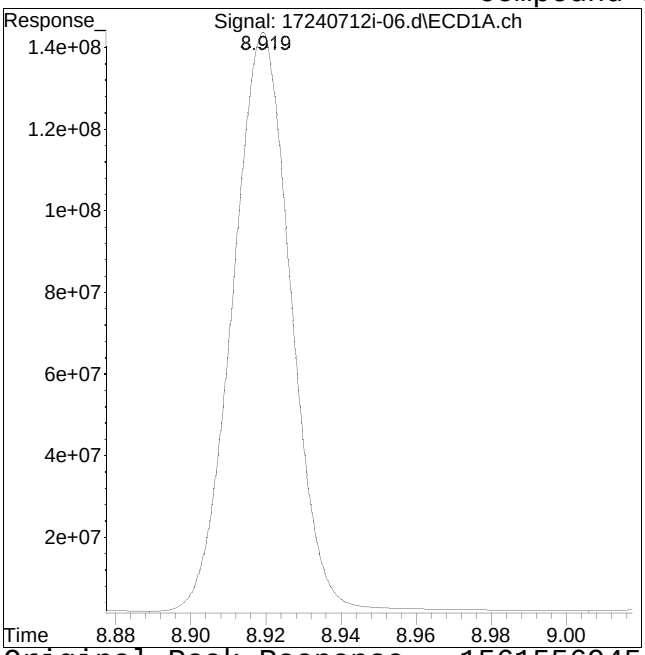


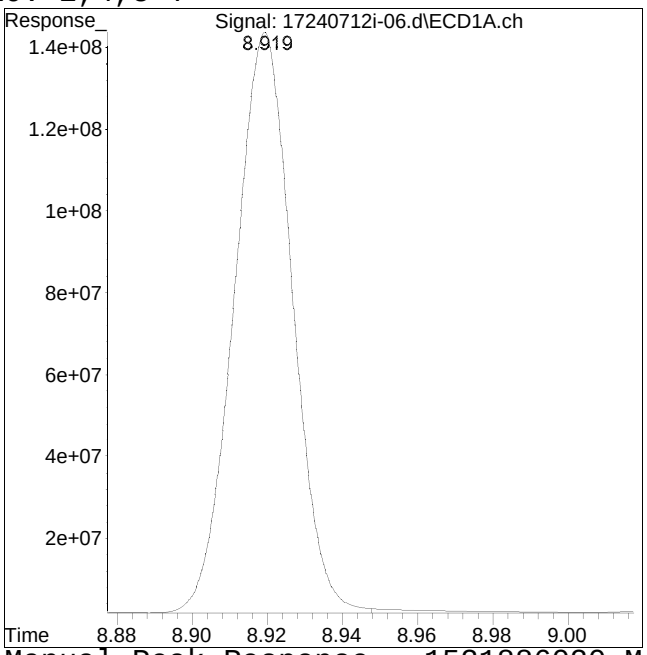
Original Peak Response = 2055897770 Manual Peak Response = 2034626929 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #10: 2,4,5-T



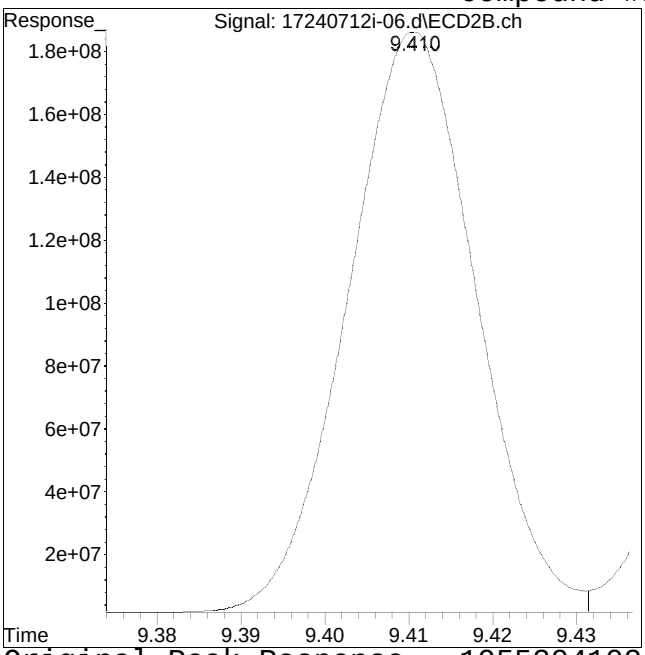


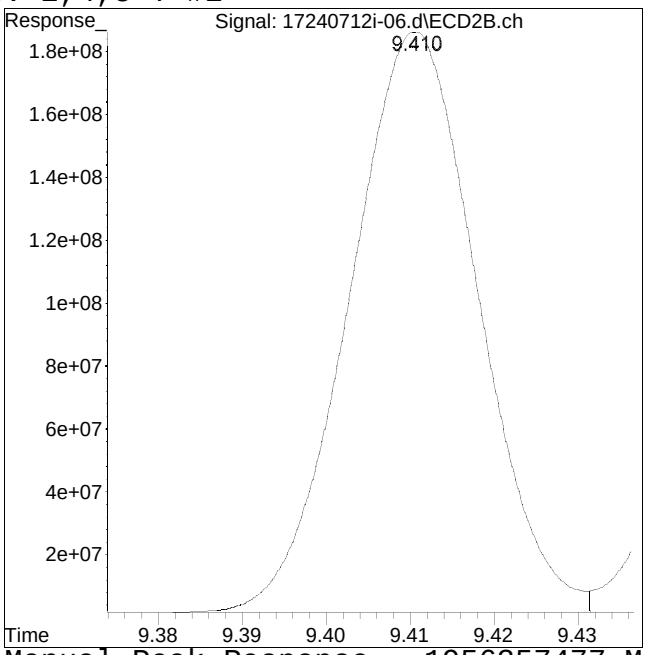
Original Peak Response = 1561556945 Manual Peak Response = 1521886020 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #23: 2,4,5-T #2



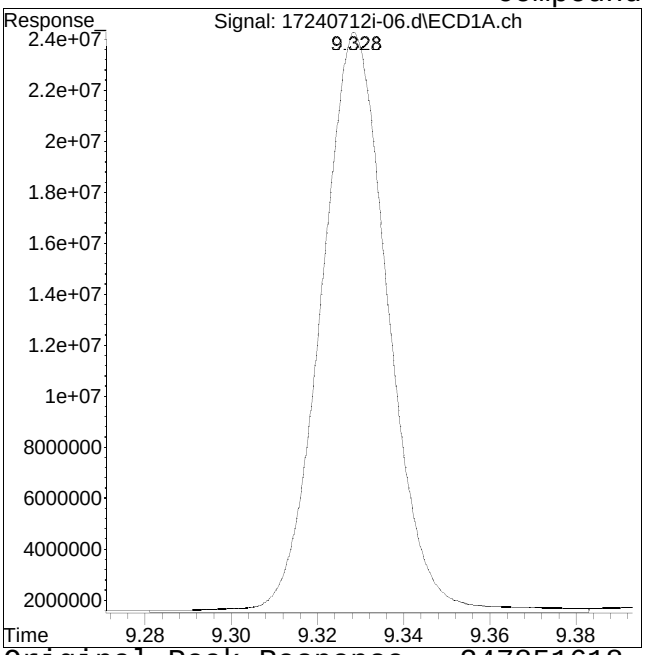


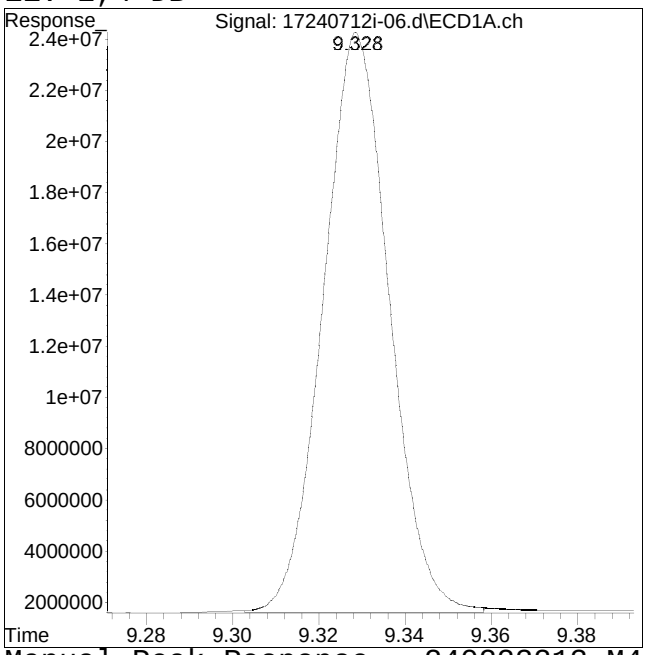
Original Peak Response = 1955204102 Manual Peak Response = 1956357477 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #11: 2,4-DB



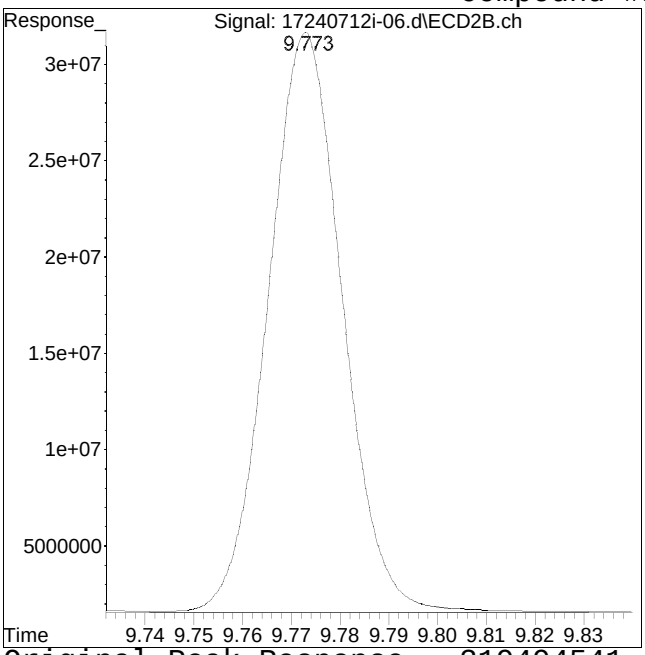


Original Peak Response = 247851618 Manual Peak Response = 240223213 M4
M4 = Poor automated baseline construction.

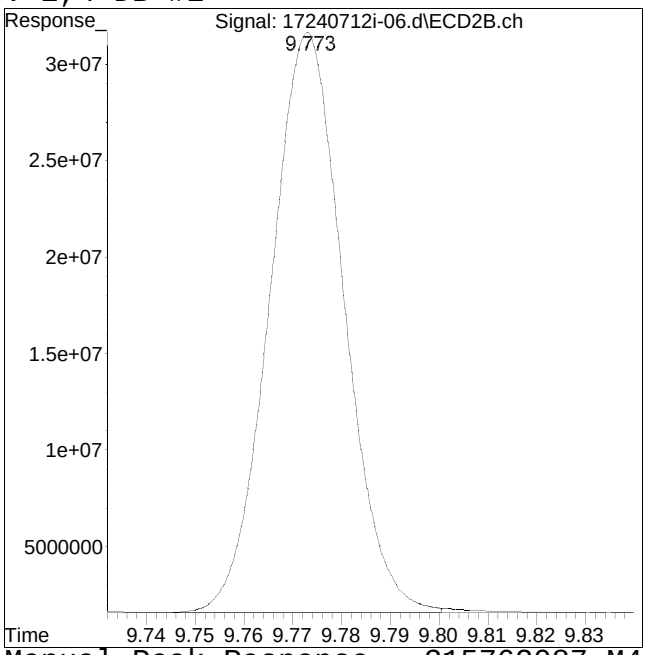
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #24: 2,4-DB #2



Original Peak Response = 319494541

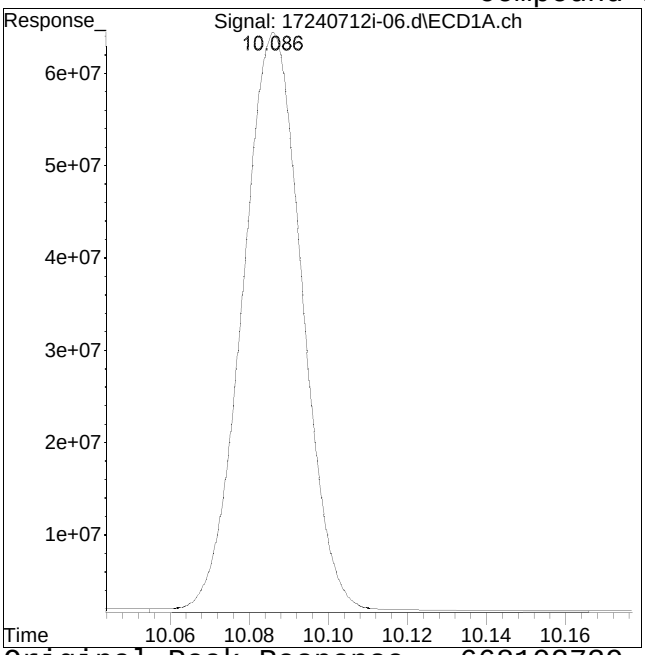


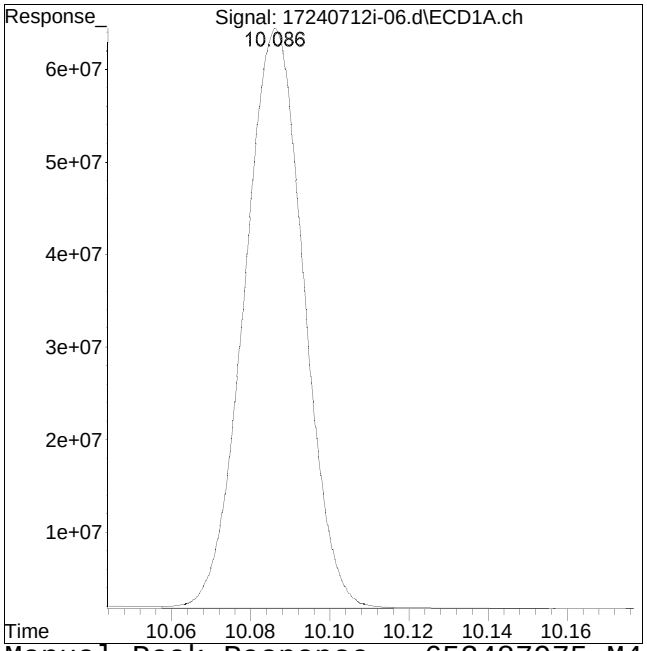
Manual Peak Response = 315762087 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #12: Dinoseb



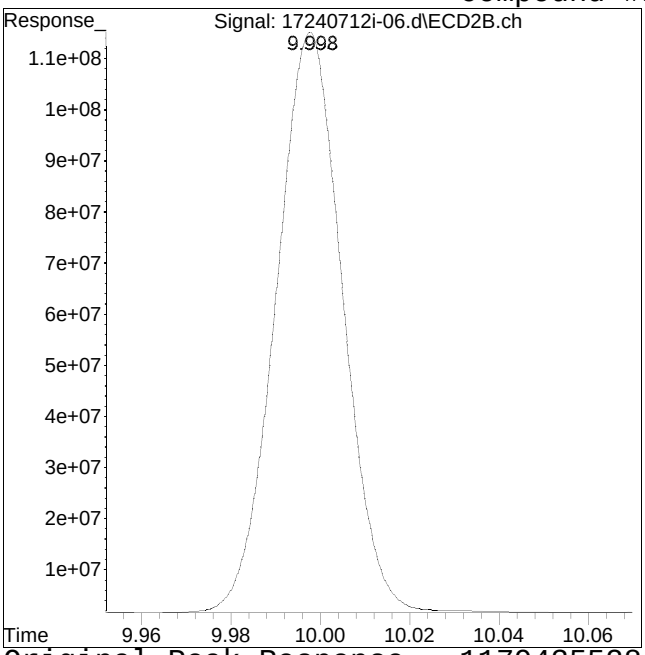


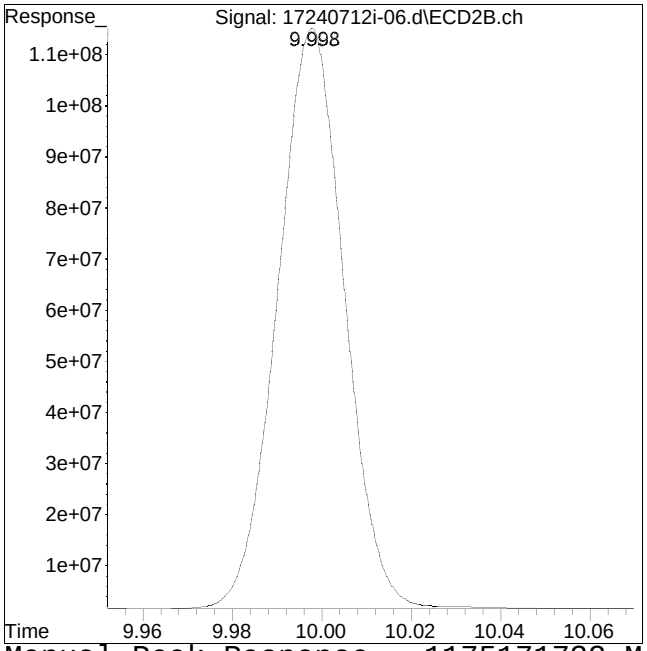
Original Peak Response = 668102739 Manual Peak Response = 653487975 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-06.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 3:54 pm Instrument : Pest 17
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/13/2024 9:36 am

Compound #25: Dinoseb #2





Original Peak Response = 1179435528 Manual Peak Response = 1175171733 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.433	8.420	634.2E6	637.7E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	668.5E6	809.4E6	1.766M4	1.727M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	353.20%#	345.40%#
		Target Compounds						
2)	t	Dalapon	1.897	1.921	586.8E6	804.7E6	1.718	1.719
4)	t	Dicamba	7.061	7.522	2441.8E6	2591.5E6	1.844M4	1.810M4
5)	t	MCPP	7.270	7.639	320.2E6	322.6E6	171.813M4	179.513M4
6)	t	MCPA	7.416	7.867	451.2E6	482.2E6	159.396M4	166.994M4
7)	t	Dichloroprop	7.767	8.181	668.7E6	758.4E6	1.849M4	1.742M4
8)	t	2,4-D	7.975	8.457	779.3E6	966.0E6	1.864M4	1.803M4
9)	t	2,4,5-TP (Si	8.702	9.121	3164.3E6	3739.8E6	1.925M4	1.851M4
10)	t	2,4,5-T	8.920	9.411	2946.8E6	3598.7E6	1.953M4	1.865M4
11)	t	2,4-DB	9.329	9.773	454.9E6	580.4E6	1.901M4	1.865M4
12)	t	Dinoseb	10.086	9.998	1199.8E6	2161.8E6	1.809M4	1.861M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

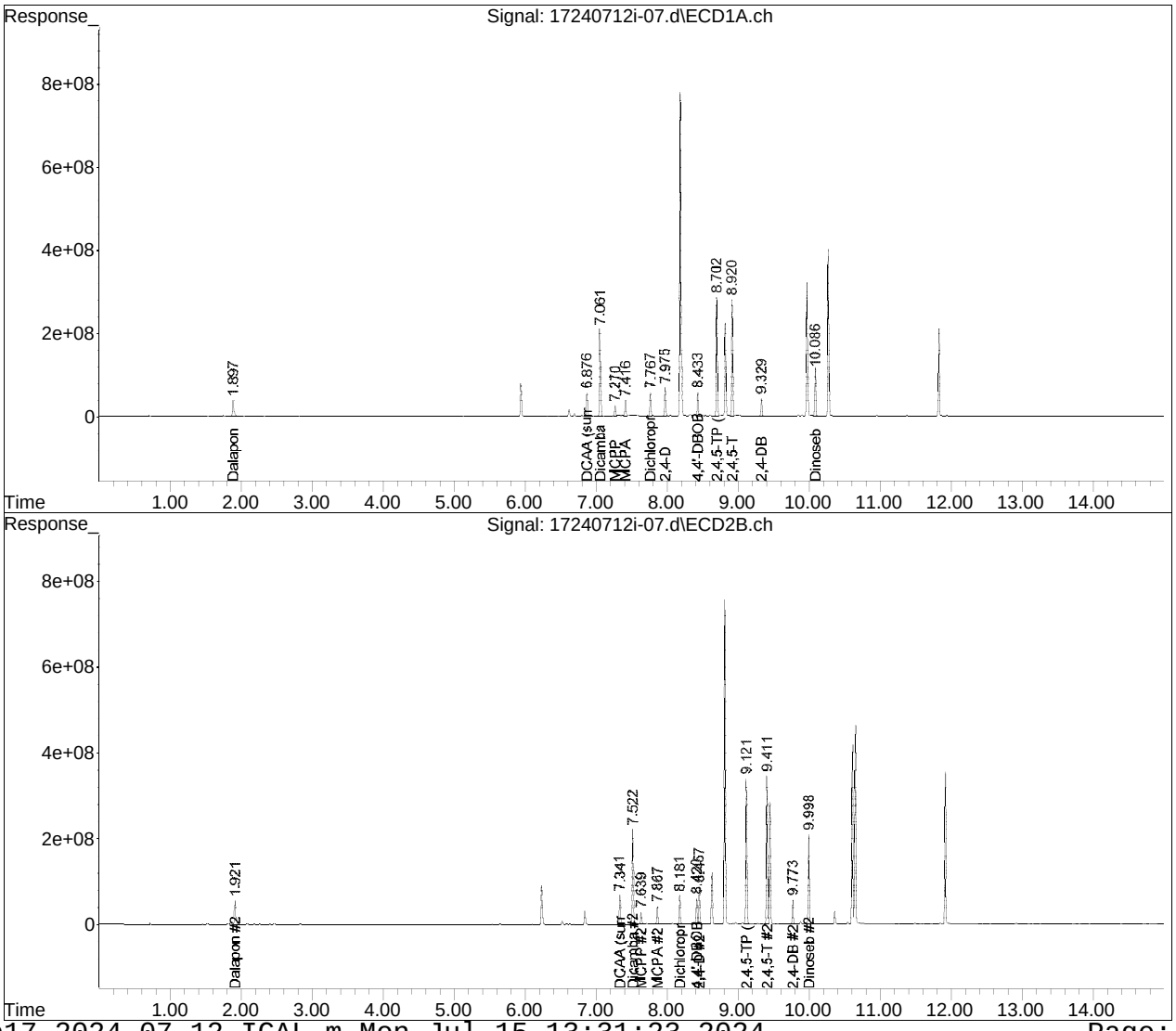
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-07.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:13 pm
Operator : PEST17:peg
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947140, (Sig #1); ,,ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 13 09:43:46 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Sat Jul 13 09:43:37 2024
Response via : Initial Calibration
Integrator: ChemStation

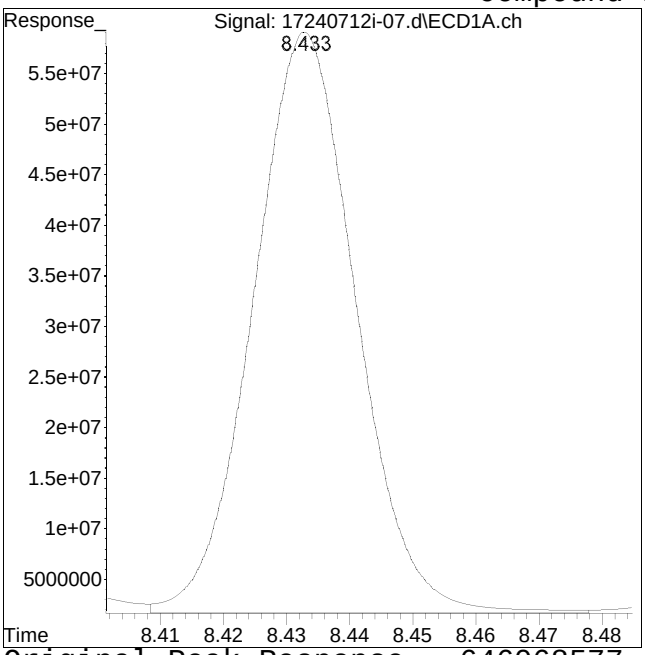
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



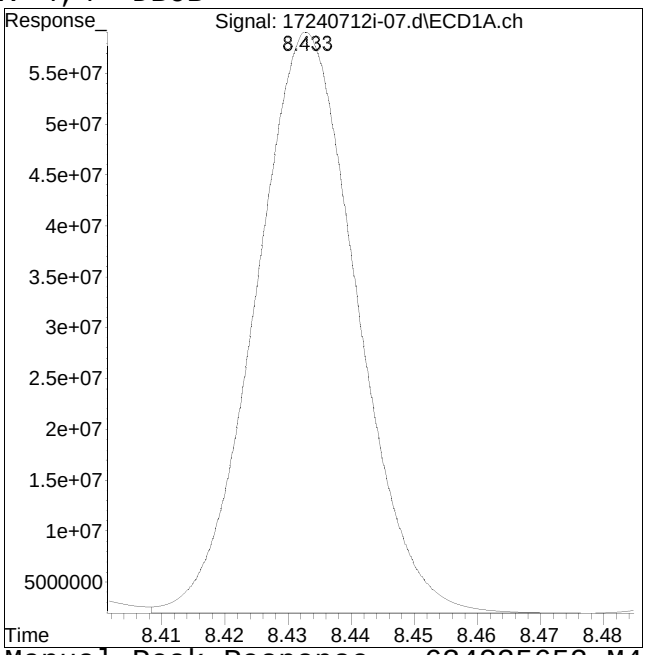
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #1: 4,4'-DBOB



Original Peak Response = 646068577

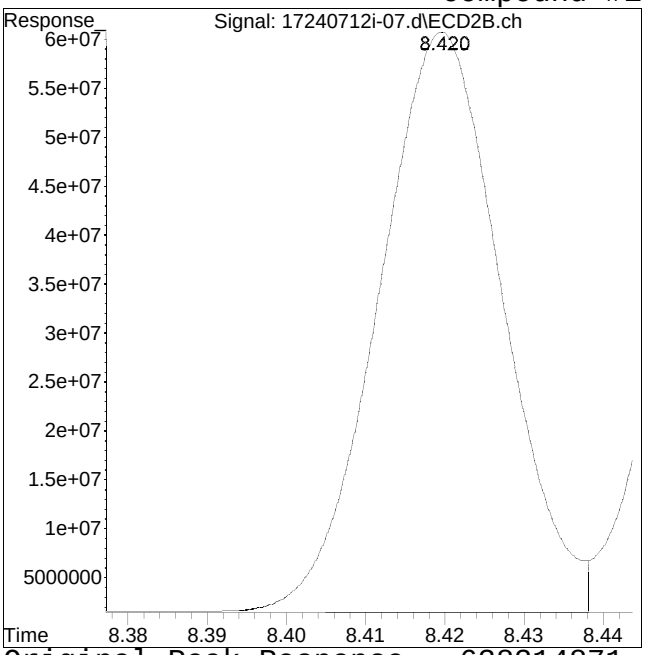


Manual Peak Response = 634235652 M4
M4 = Poor automated baseline construction.

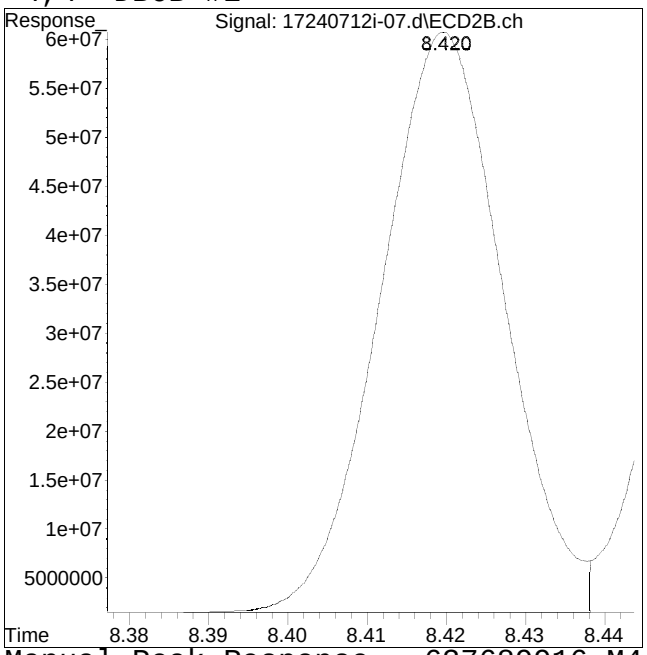
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 638314871

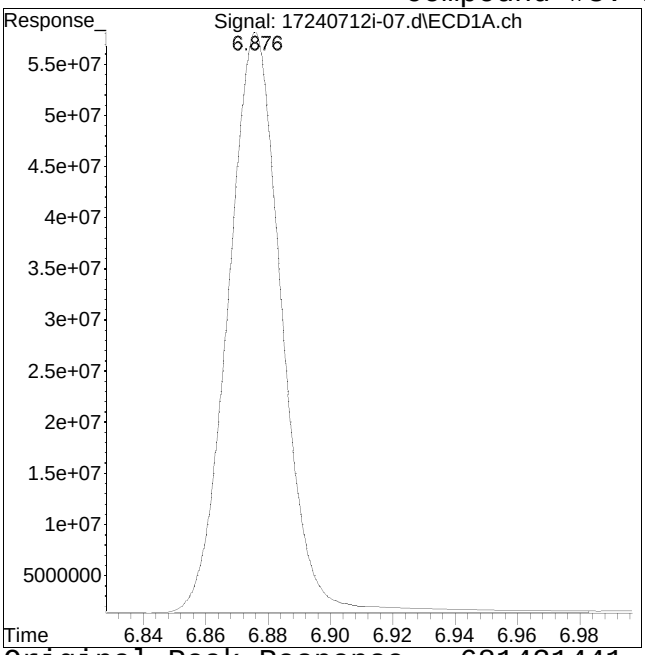


Manual Peak Response = 637689916 M4
M4 = Poor automated baseline construction.

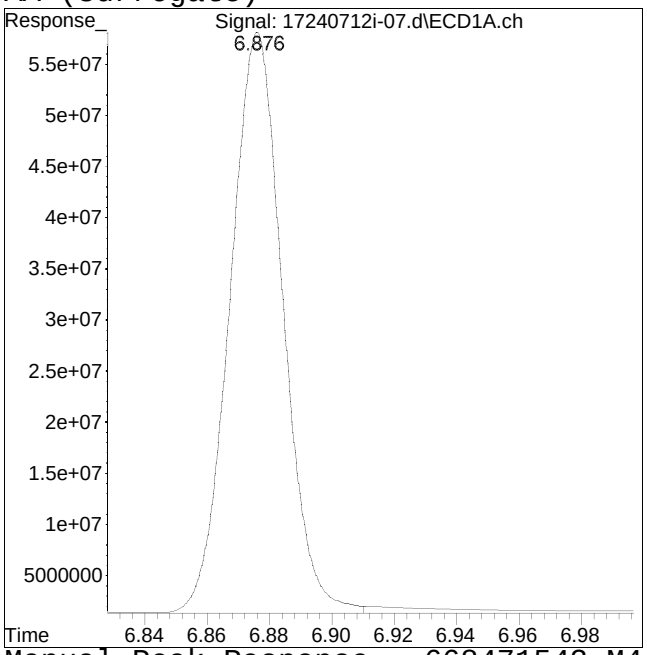
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #3: DCAA (surrogate)



Original Peak Response = 681431441



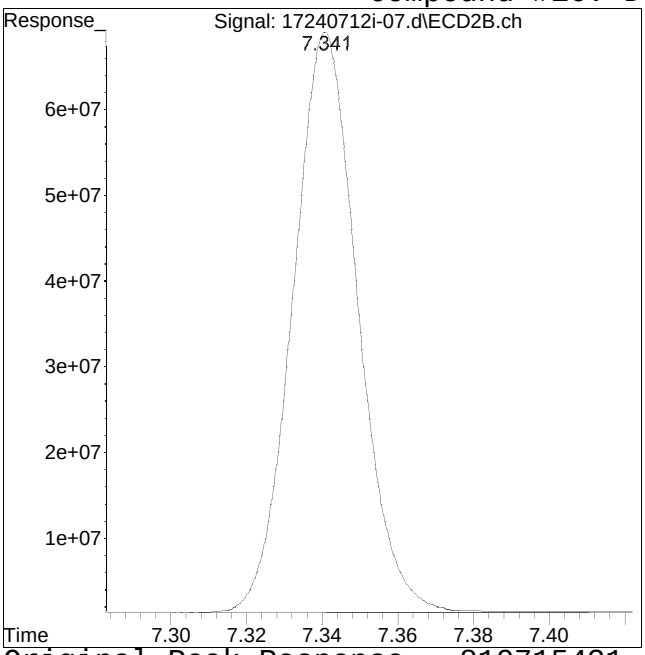
Manual Peak Response = 668471543 M4

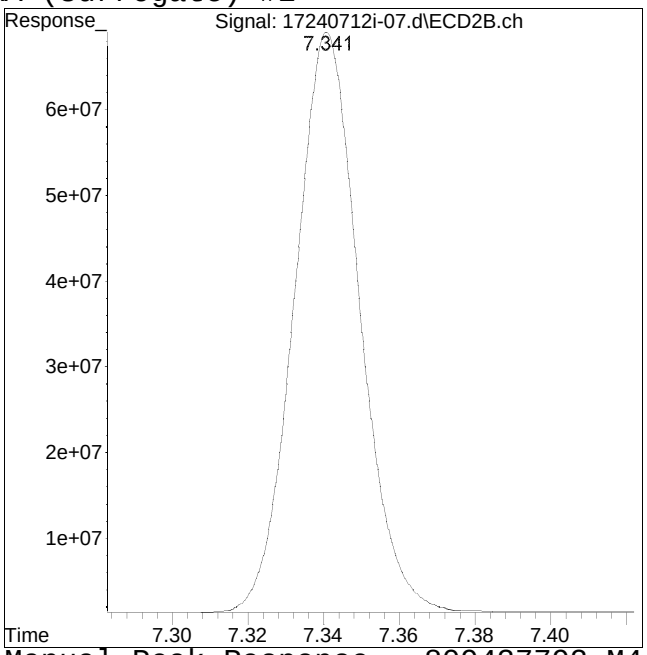
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #16: DCAA (surrogate) #2



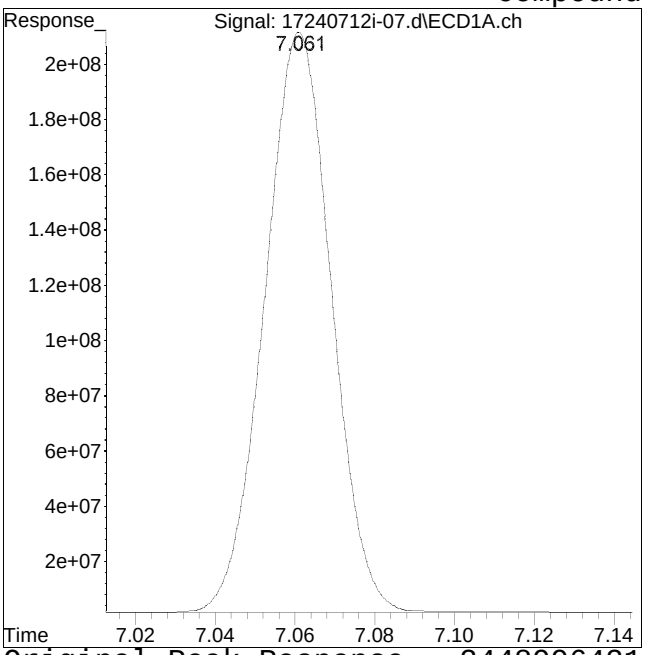


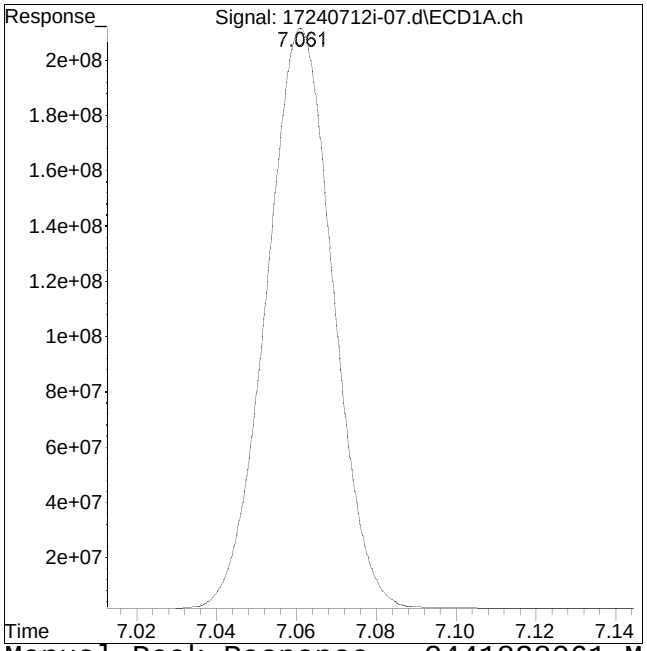
Original Peak Response = 810715431 Manual Peak Response = 809437792 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #4: Dicamba



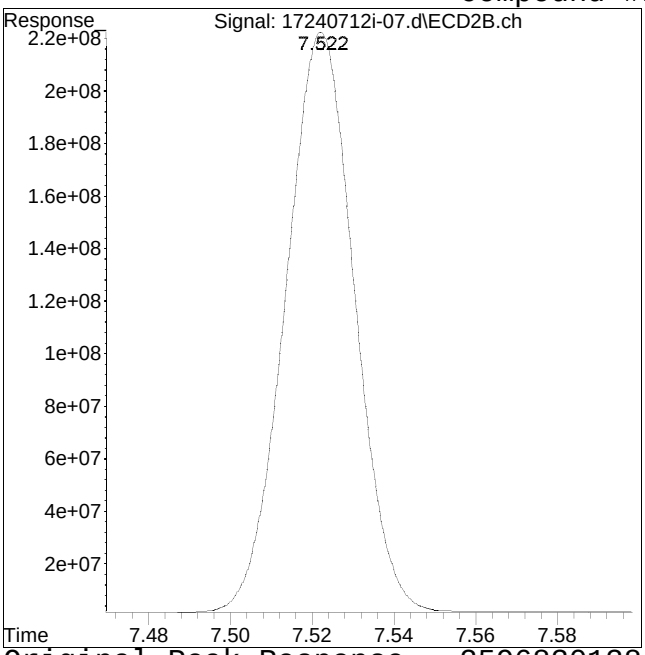


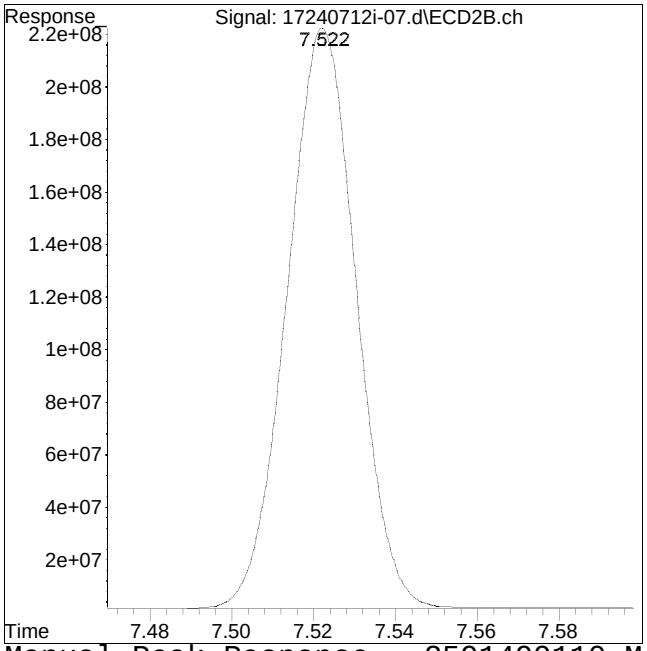
Original Peak Response = 2448996421 Manual Peak Response = 2441838061 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #17: Dicamba #2



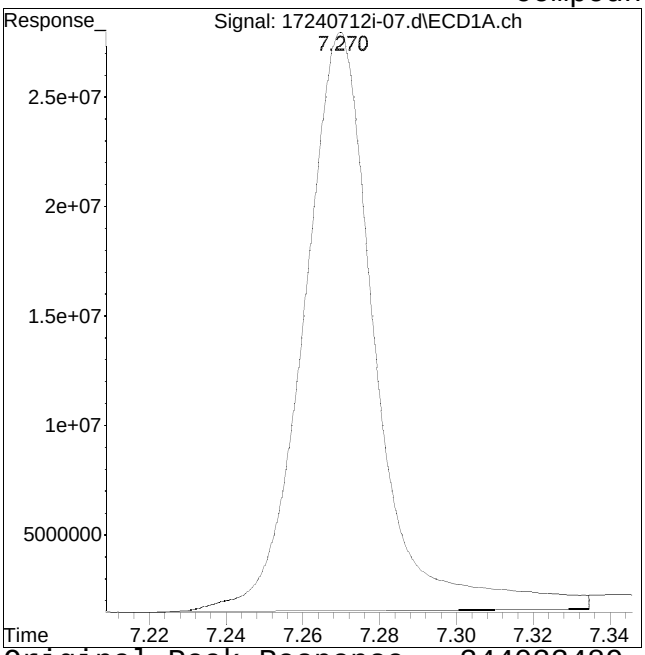


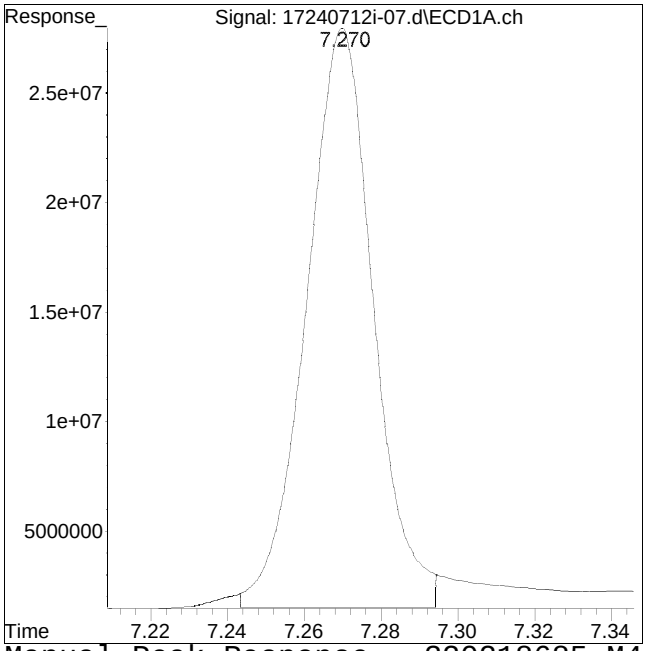
Original Peak Response = 2596830138 Manual Peak Response = 2591499110 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #5: MCPP



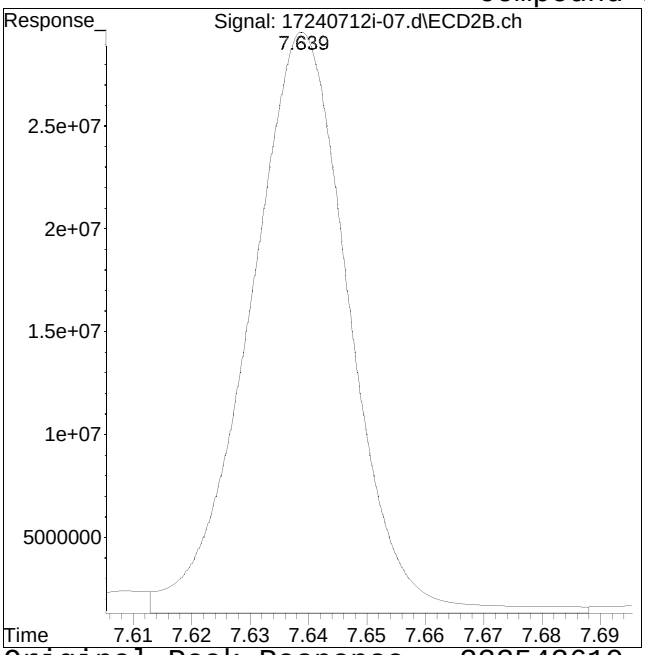


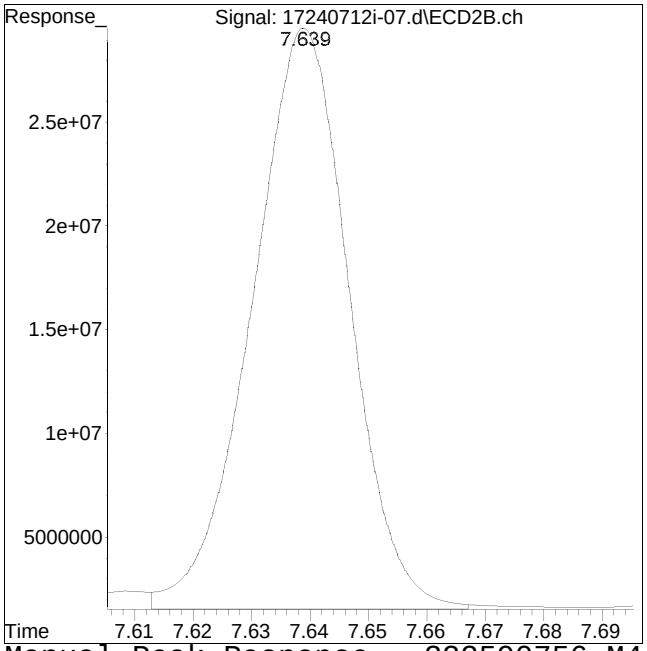
Original Peak Response = 344033489 Manual Peak Response = 320218685 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #18: MCPP #2



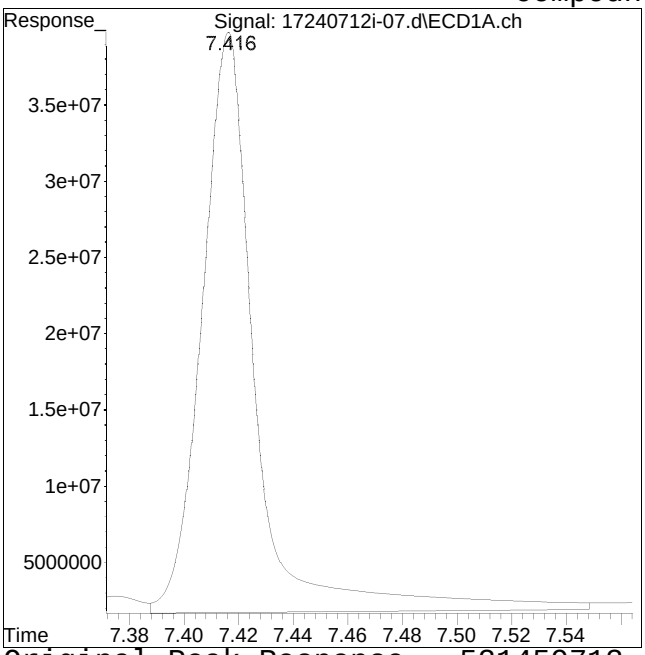


Original Peak Response = 333543610 Manual Peak Response = 322590756 M4
M4 = Poor automated baseline construction.

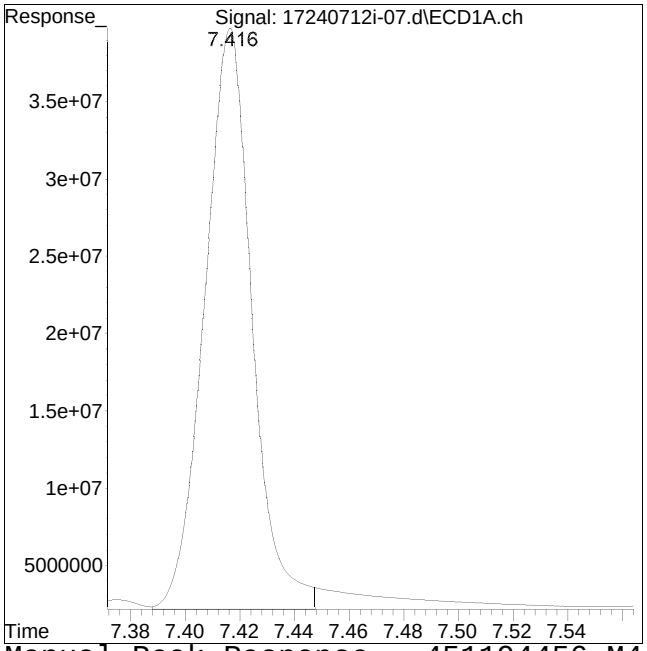
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #6: MCPA



Original Peak Response = 521459713



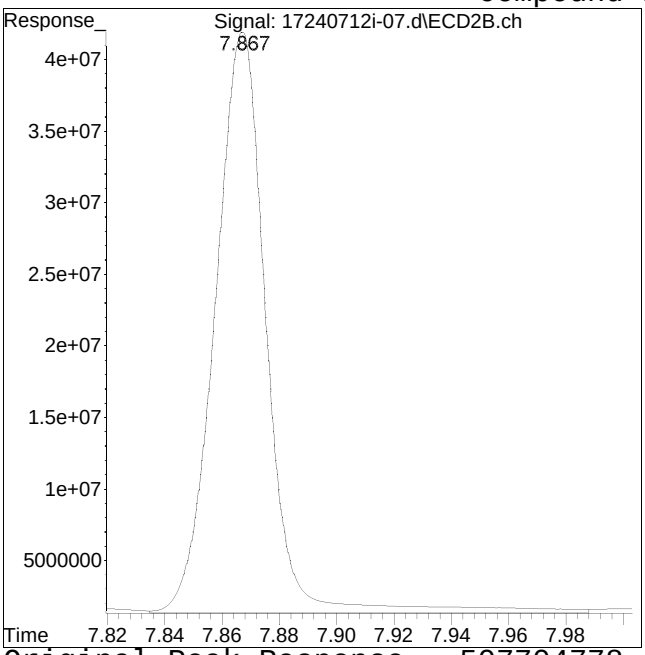
Manual Peak Response = 451194456 M4

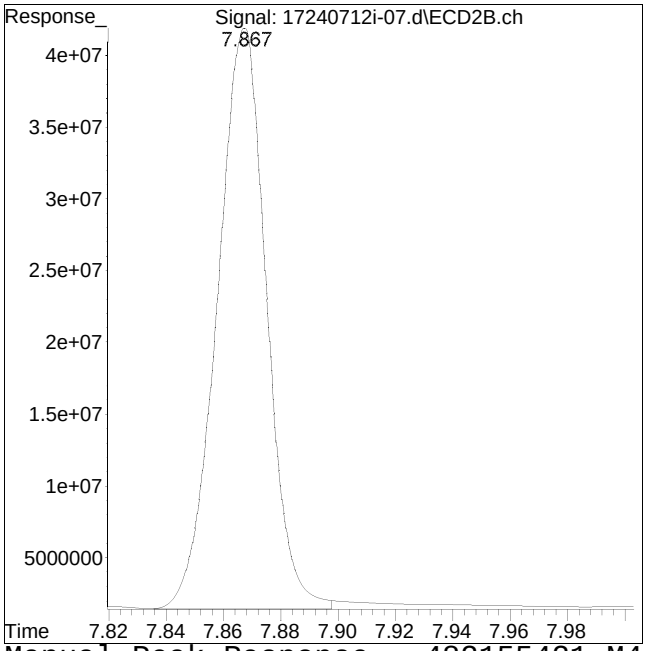
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #19: MCPA #2



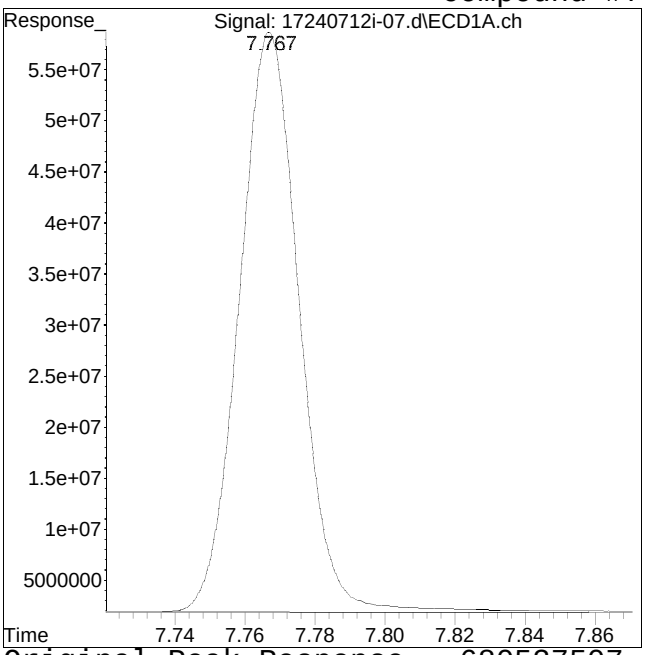


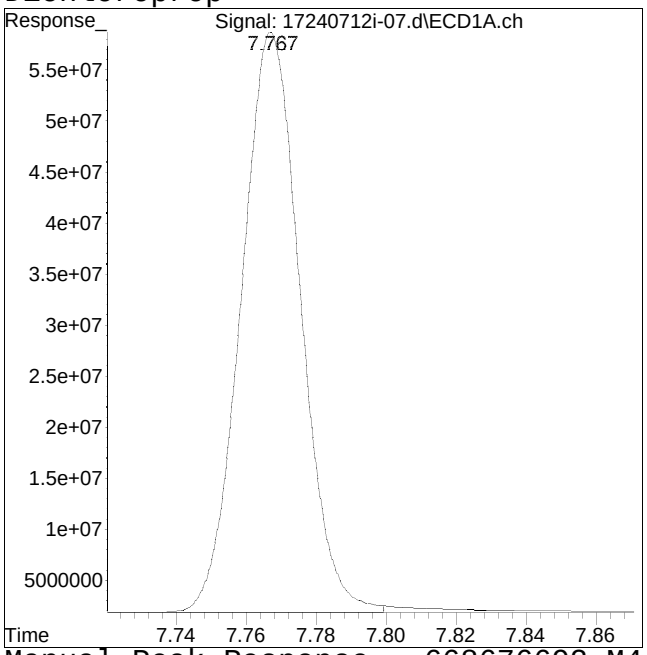
Original Peak Response = 507704778 Manual Peak Response = 482155421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #7: Dichloroprop



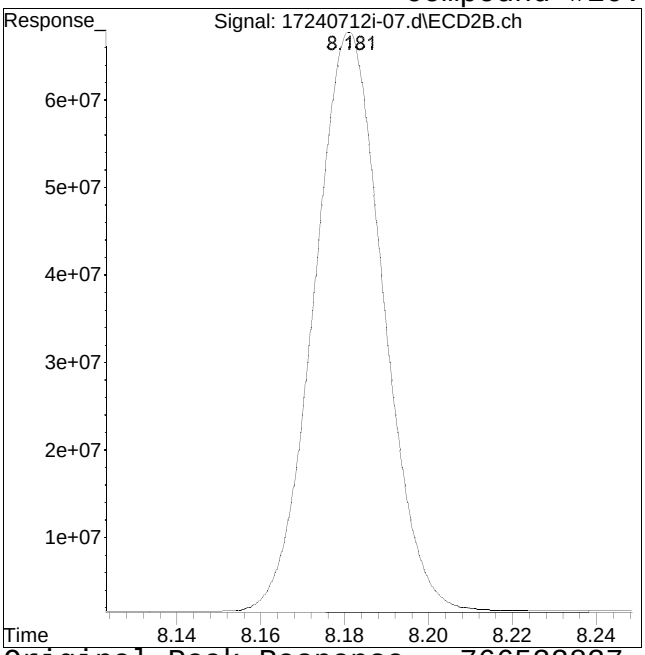


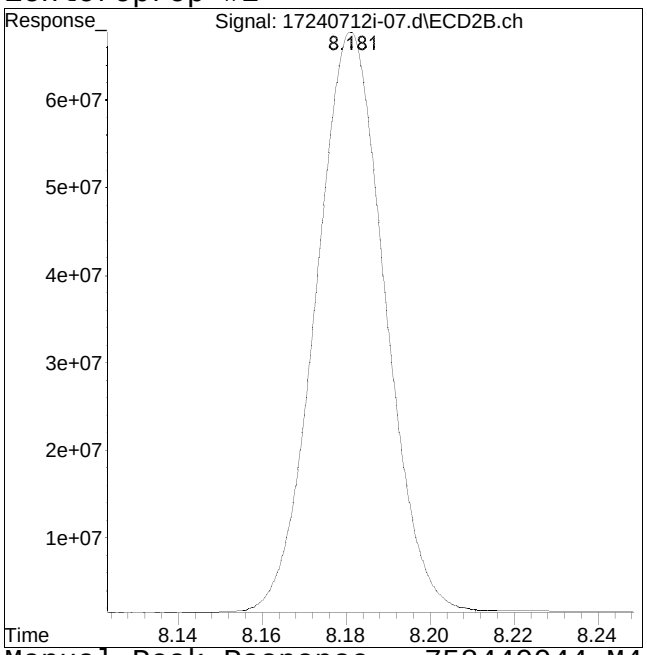
Original Peak Response = 680537507 Manual Peak Response = 668676692 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #20: Dichloroprop #2



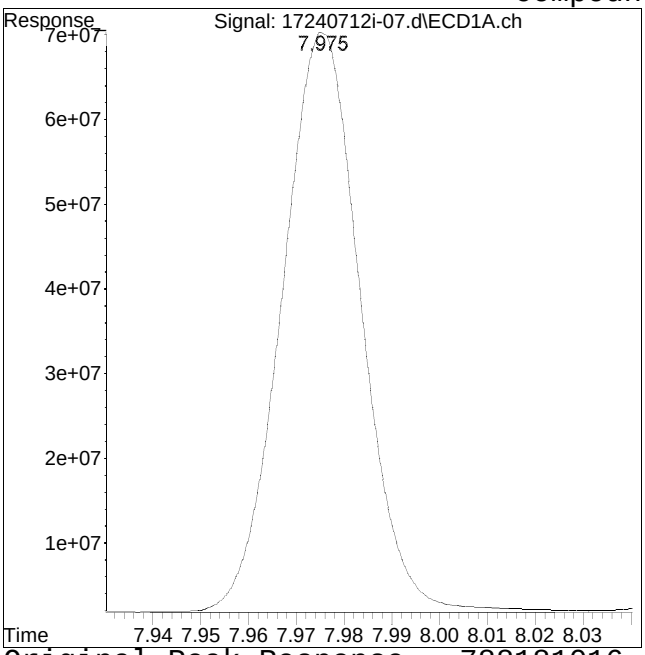


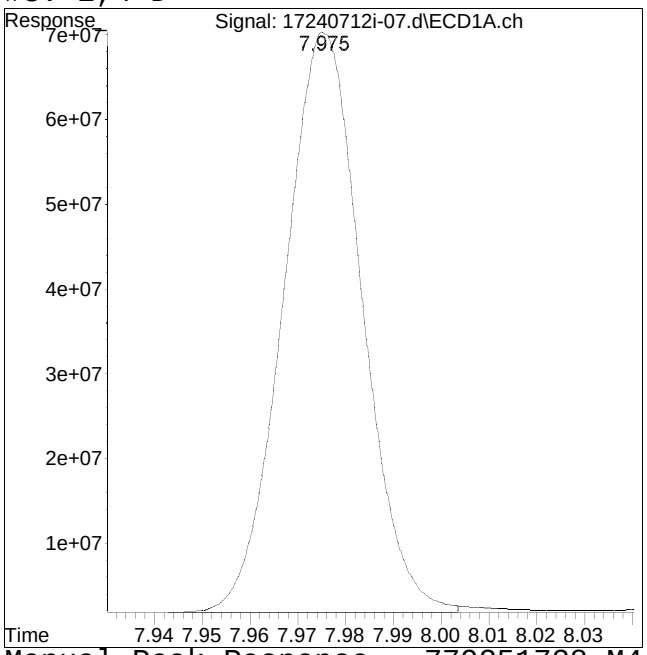
Original Peak Response = 766532837 Manual Peak Response = 758440044 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #8: 2,4-D



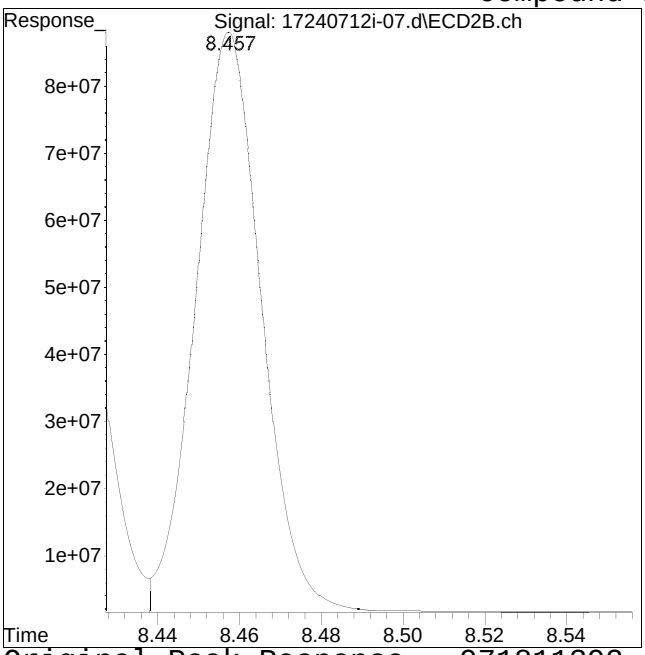


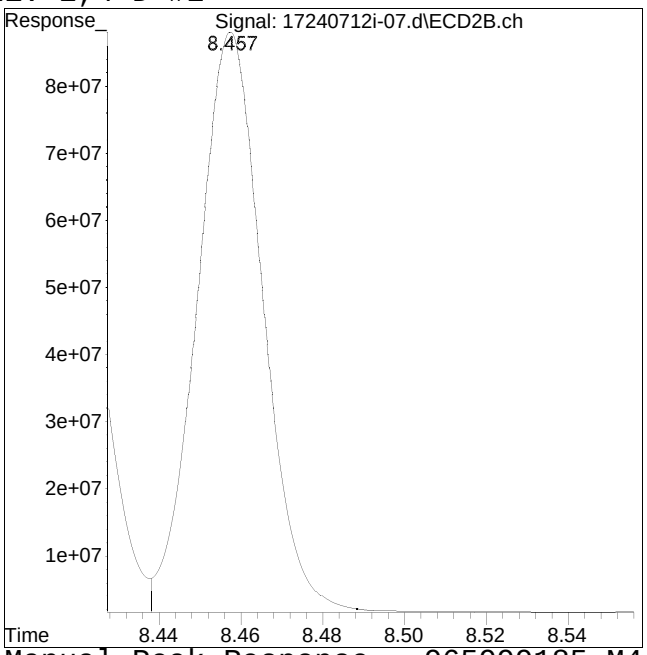
Original Peak Response = 788181016 Manual Peak Response = 779251728 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #21: 2,4-D #2



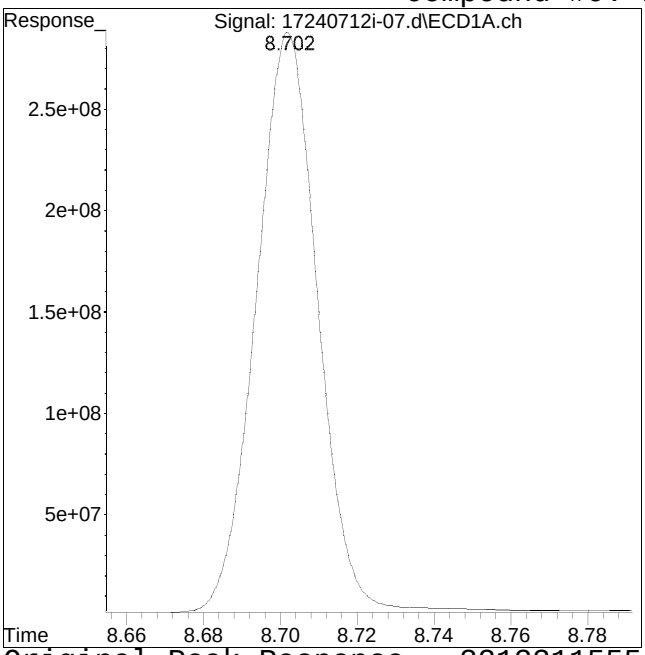


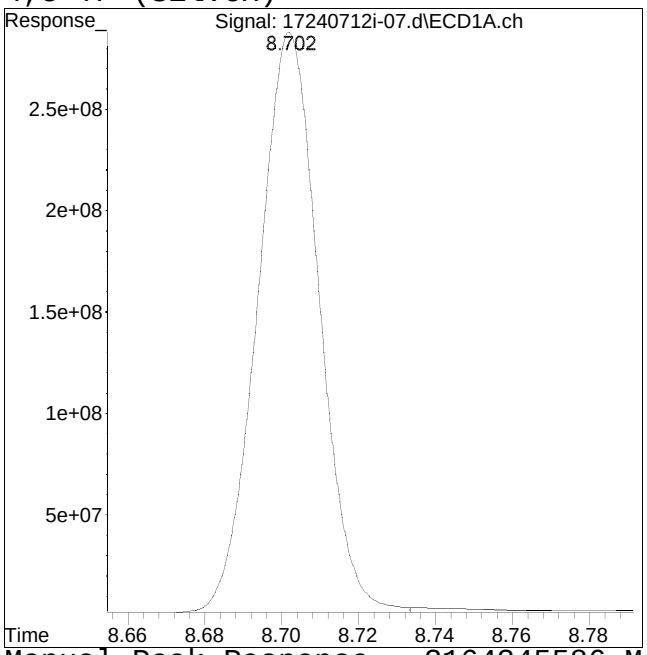
Original Peak Response = 971811392 Manual Peak Response = 965999185 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #9: 2,4,5-TP (Silvex)



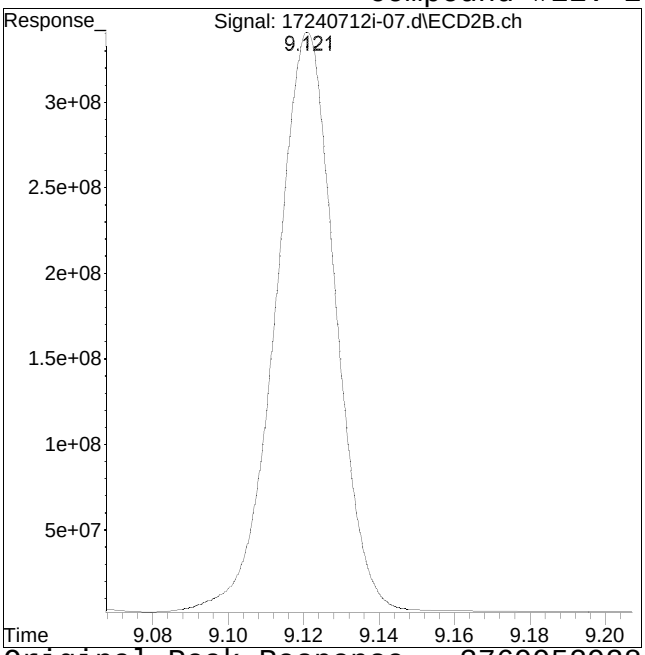


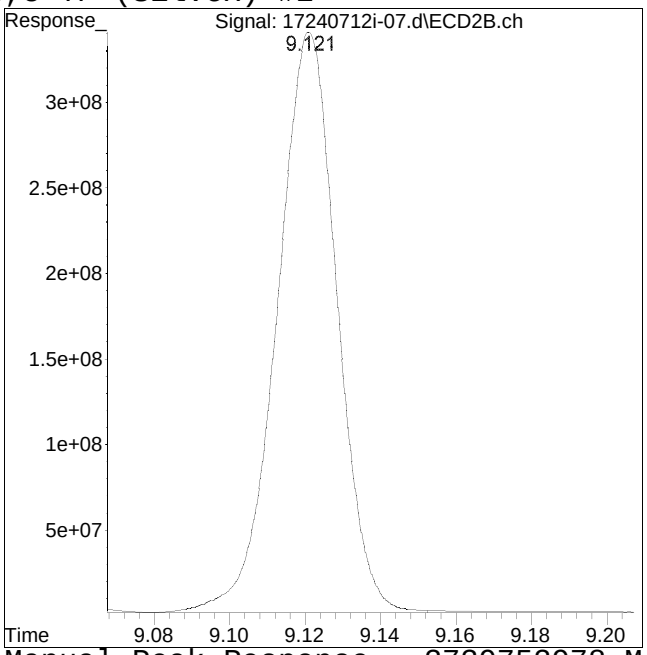
Original Peak Response = 3213311555 Manual Peak Response = 3164345586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #22: 2,4,5-TP (Silvex) #2



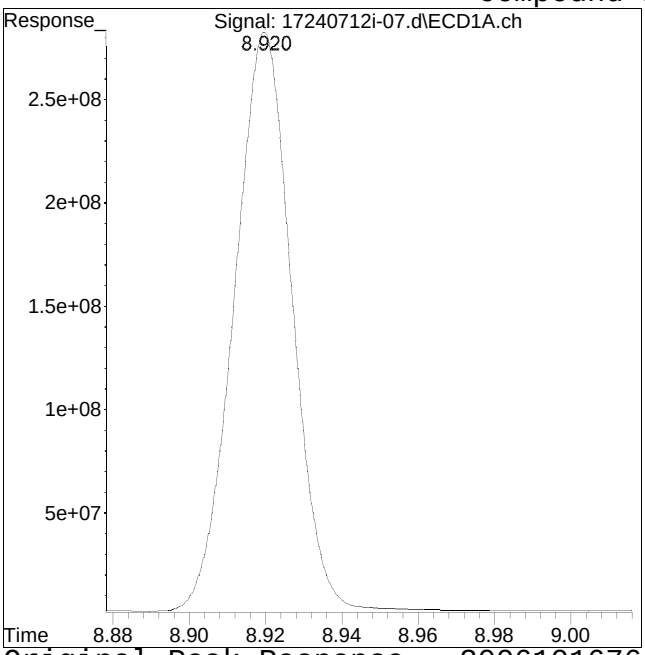


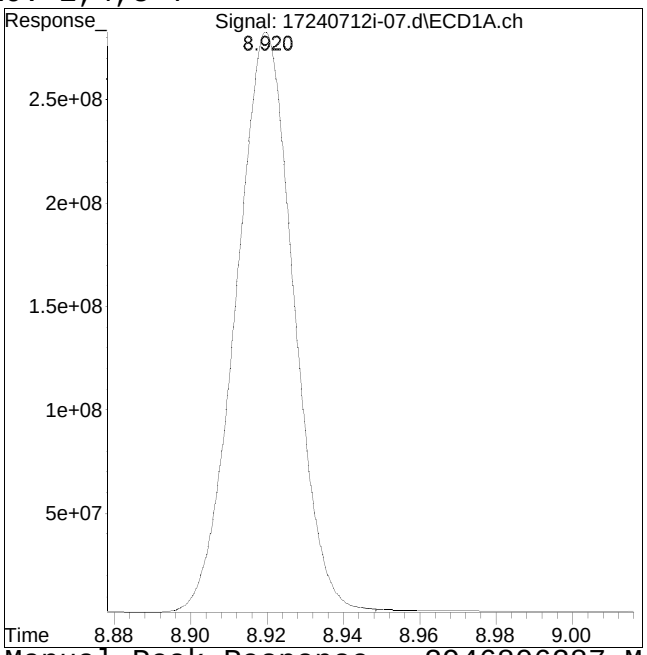
Original Peak Response = 3769952928 Manual Peak Response = 3739753978 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #10: 2,4,5-T



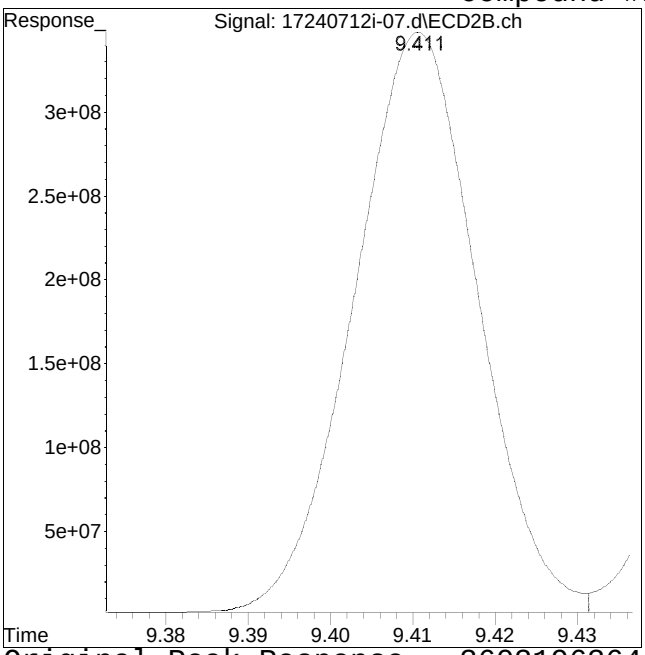


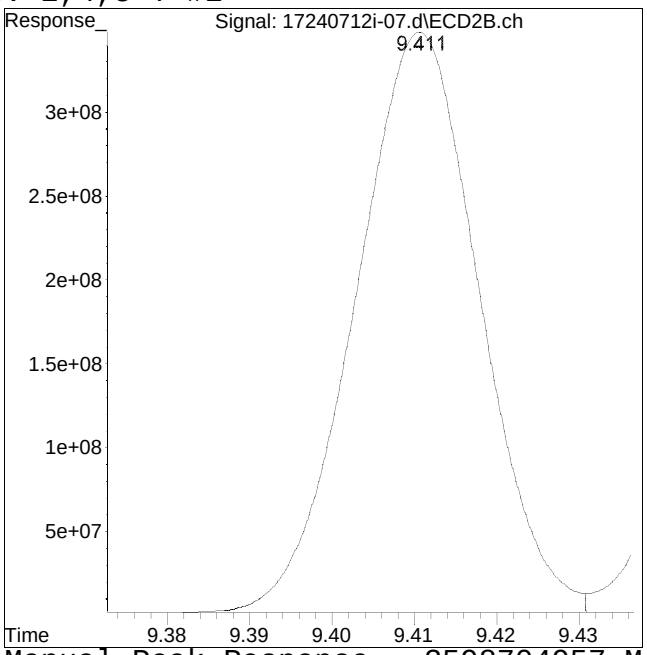
Original Peak Response = 3006101676 Manual Peak Response = 2946806287 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #23: 2,4,5-T #2



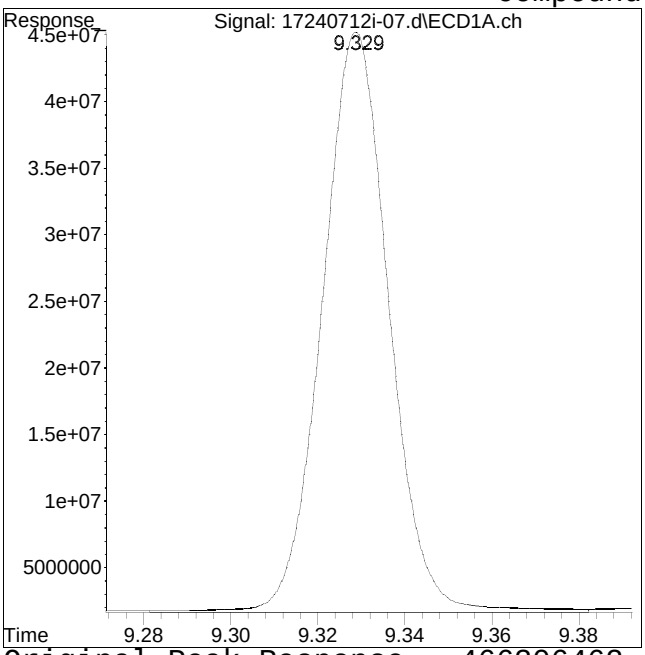


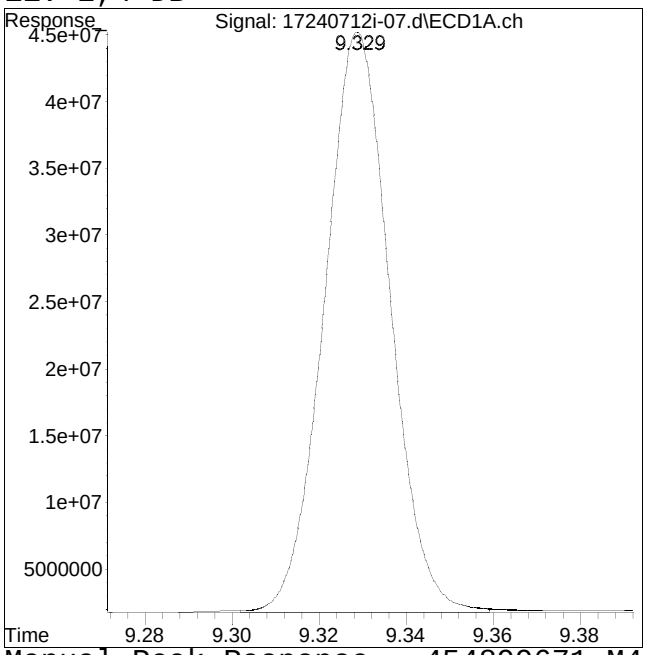
Original Peak Response = 3603196364 Manual Peak Response = 3598704957 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #11: 2,4-DB



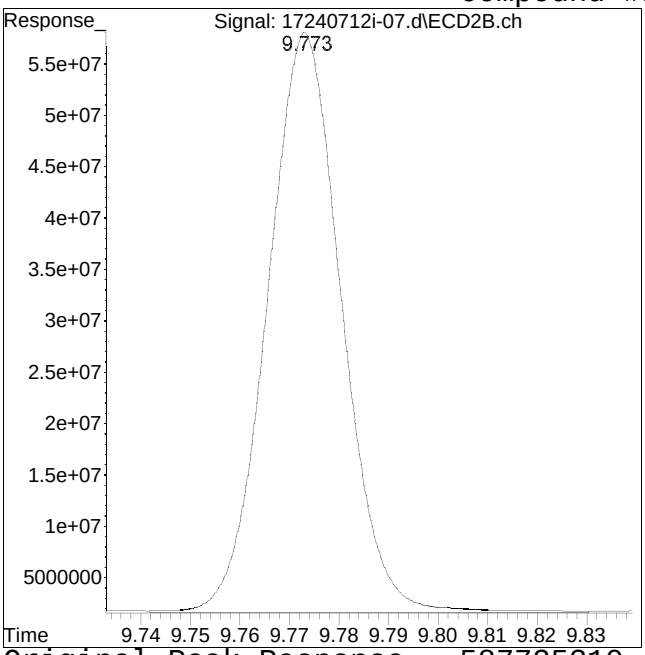


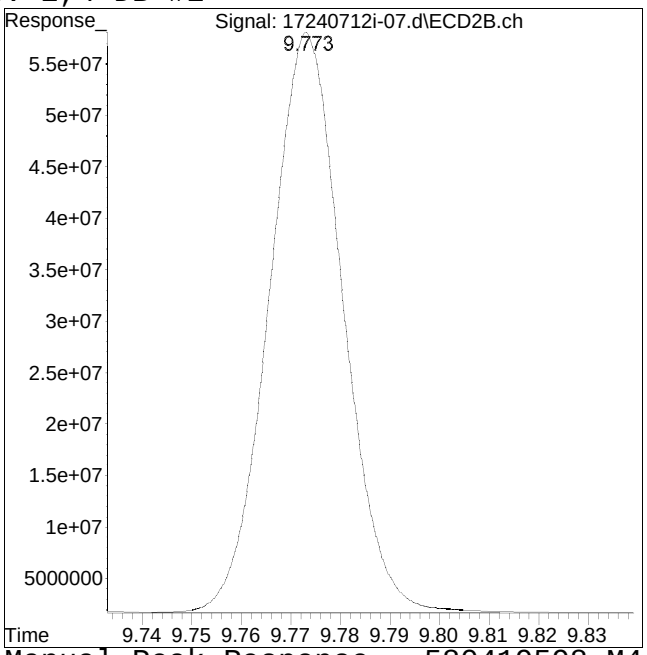
Original Peak Response = 466306462 Manual Peak Response = 454899671 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #24: 2,4-DB #2



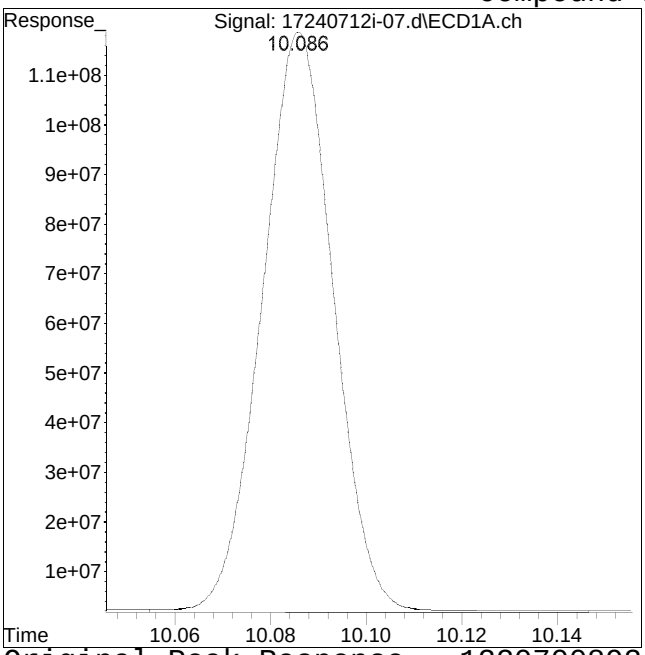


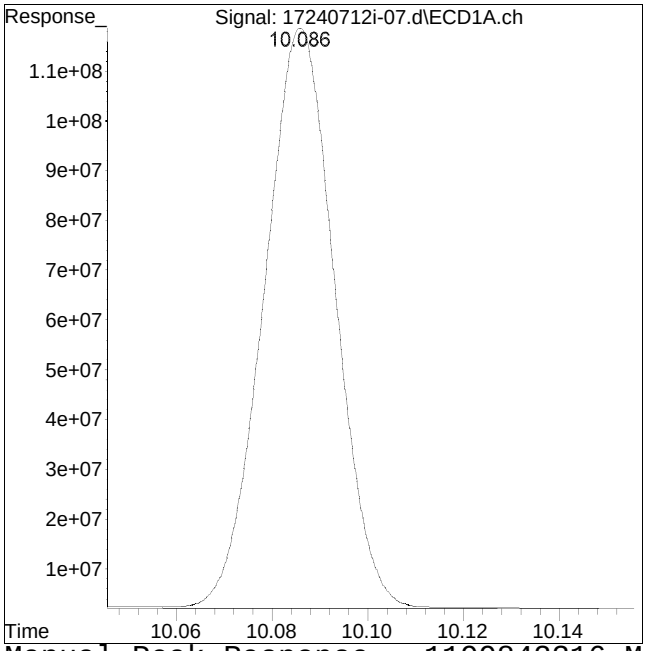
Original Peak Response = 587725310 Manual Peak Response = 580419598 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #12: Dinoseb



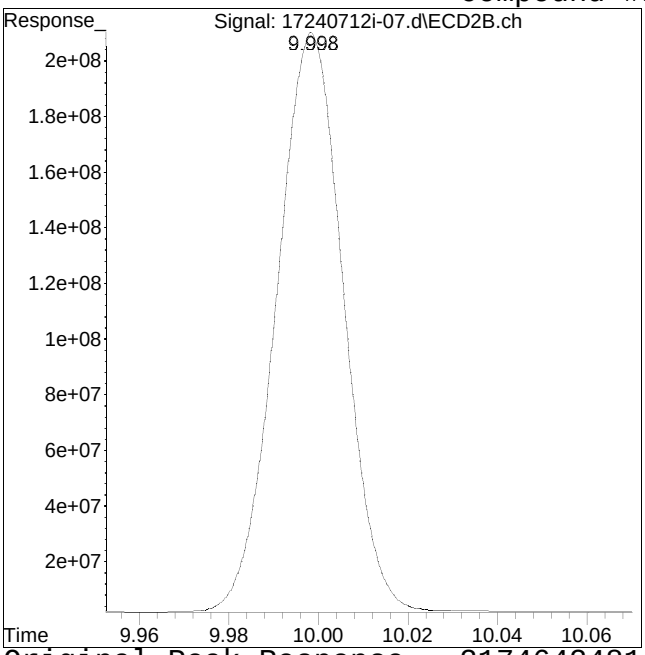


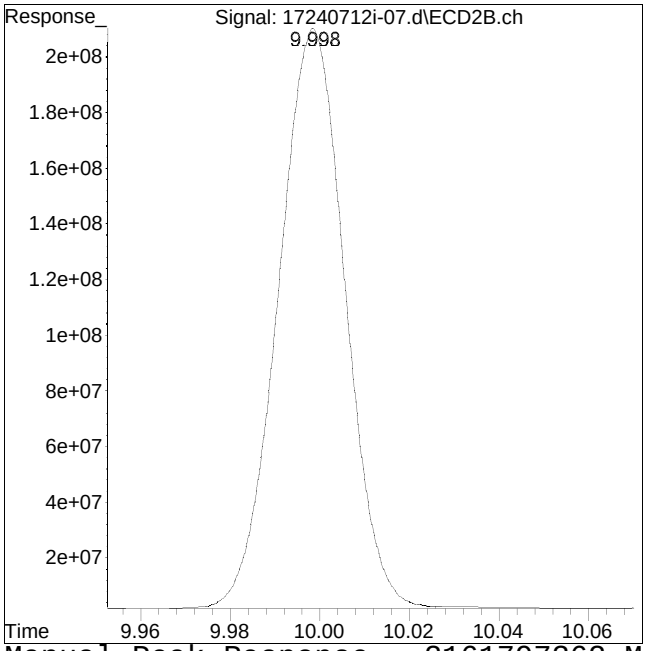
Original Peak Response = 1220700893 Manual Peak Response = 1199842316 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-07.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:13 pm Instrument : Pest 17
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/13/2024 9:43 am

Compound #25: Dinoseb #2





Original Peak Response = 2174642481 Manual Peak Response = 2161797362 M4
M4 = Poor automated baseline construction.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 12 Jul 2024   4:31 pm
Operator : PEST17:peg
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947140,
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	93	0.00
2	t	Dalapon		0.147	0.141	4.1	91	0.00
3	s	DCAA (surrogate)		0.164	0.163	0.6	92	0.00
4	t	Dicamba		0.547	0.545	0.4	94	0.00
5	t	MCPP		0.00077	0.00082	-6.5	94	0.00
6	t	MCPA	*	18.600	20.476	-10.1	94	0.00
7	t	Dichloroprop		0.153	0.159	-3.9	100	0.00
8	t	2,4-D		0.176	0.171	2.8	94	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.625	5.4	90	0.00
10	t	2,4,5-T		0.607	0.582	4.1	92	0.00
11	t	2,4-DB		0.100	0.094	6.0	90	0.00
12	t	Dinoseb		0.280	0.278	0.7	93	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	92	0.00
2	t	Dalapon		0.205	0.203	1.0	94	0.00
3	s	DCAA (surrogate)		0.204	0.209	-2.5	93	0.00
4	t	Dicamba		0.597	0.586	1.8	91	0.00
5	t	MCPP		0.00074	0.00076	-2.7	92	0.00
6	t	MCPA	*	18.600	19.737	-6.1	91	0.00
7	t	Dichloroprop		0.189	0.200	-5.8	97	0.00
8	t	2,4-D		0.230	0.224	2.6	90	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.789	4.5	87	0.00
10	t	2,4,5-T		0.791	0.765	3.3	90	0.00
11	t	2,4-DB		0.130	0.123	5.4	87	0.00
12	t	Dinoseb		0.479	0.478	0.2	93	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 12 Jul 2024   4:31 pm
Operator : PEST17:peg
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947140,
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

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* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.432	8.419	556.5E6	573.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.876	7.341	68232865	90013933	0.187M4	0.192
		Spiked Amount 0.500	Range 30 - 150		Recovery =		37.40%	38.40%
		Target Compounds						
2)	t	Dalapon	1.899	1.922	56979675	84839674	0.174	0.180M3
4)	t	Dicamba	7.060	7.522	227.9E6	252.6E6	0.187M4	0.184M3
5)	t	MCPP	7.267	7.636	34413564	32918279	20.061M4	19.311M4
6)	t	MCPA	7.411	7.862	56586787	55375336	20.476M4	19.737M4
7)	t	Dichloroprop	7.766	8.182	66699637	86443672	0.196M3	0.199M4
8)	t	2,4-D	7.975	8.457	71586557	96805080	0.183M4	0.184M4
9)	t	2,4,5-TP (Si	8.701	9.120	264.3E6	343.9E6	0.180M4	0.182M4
10)	t	2,4,5-T	8.919	9.410	246.0E6	333.5E6	0.182M4	0.184M4
11)	t	2,4-DB	9.329	9.774	40191709	54155626	0.181M4	0.181M4
12)	t	Dinoseb	10.085	9.998	117.4E6	208.2E6	0.189M4	0.190M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

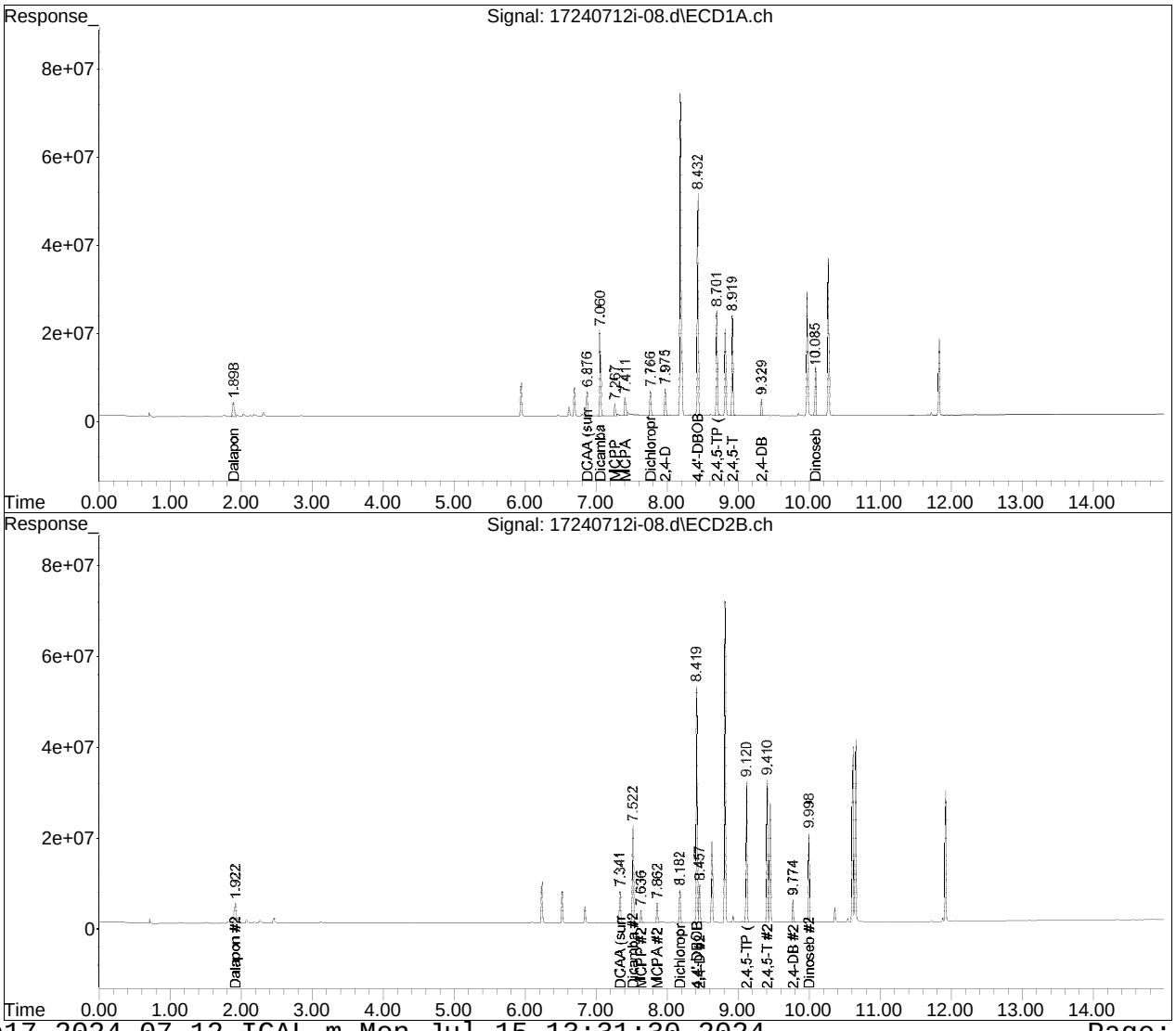
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240712ICAL\
Data File : 17240712i-08.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jul 2024 4:31 pm
Operator : PEST17:peg
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947140,
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 15 13:27:57 2024
Quant Method : I:\PEST\Pest17\2024\240712ICAL\Herb17_2024_07_12_ICAL.m
Quant Title : herb
QLast Update : Mon Jul 15 13:27:57 2024
Response via : Initial Calibration
Integrator: ChemStation

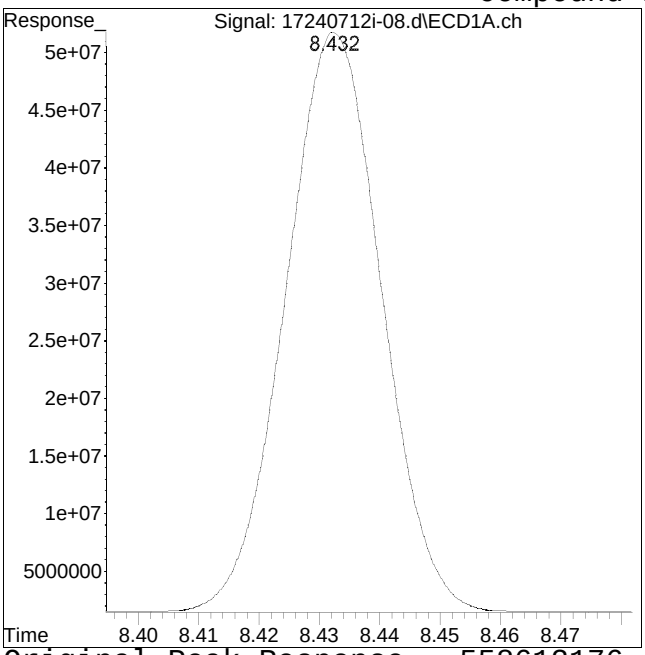
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

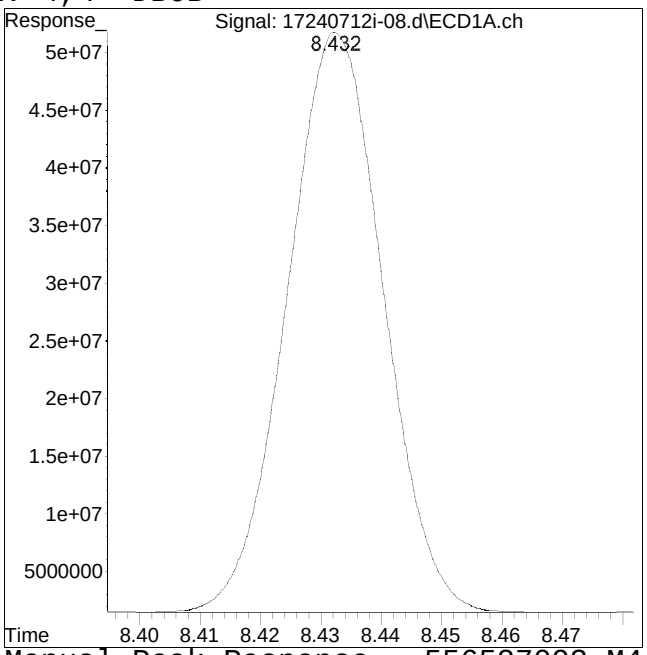


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #1: 4,4'-DBOB



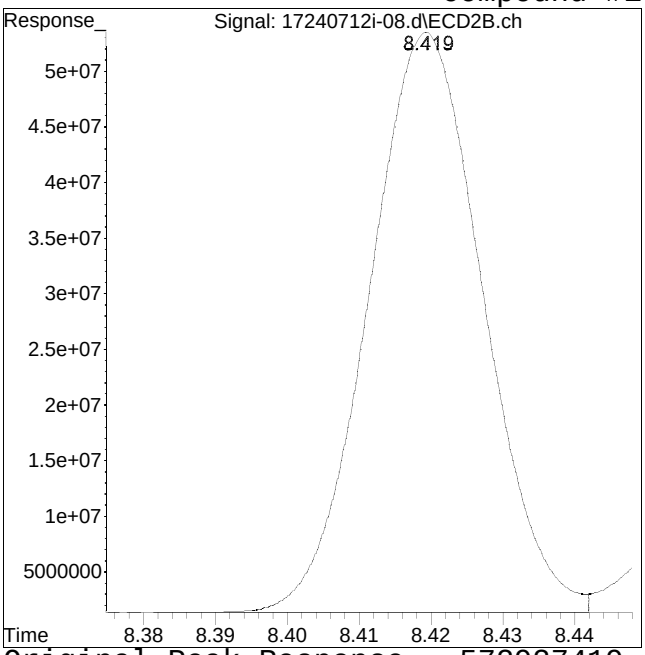


Original Peak Response = 558612176 Manual Peak Response = 556527093 M4
M4 = Poor automated baseline construction.

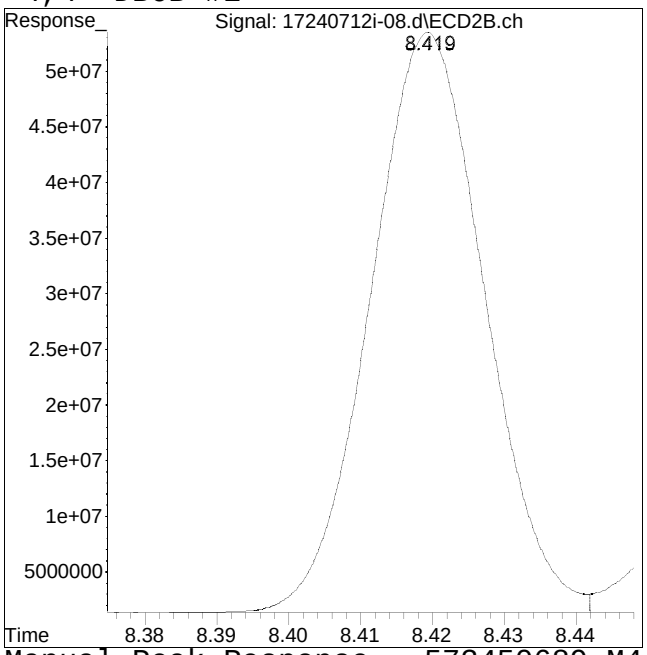
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 572927419

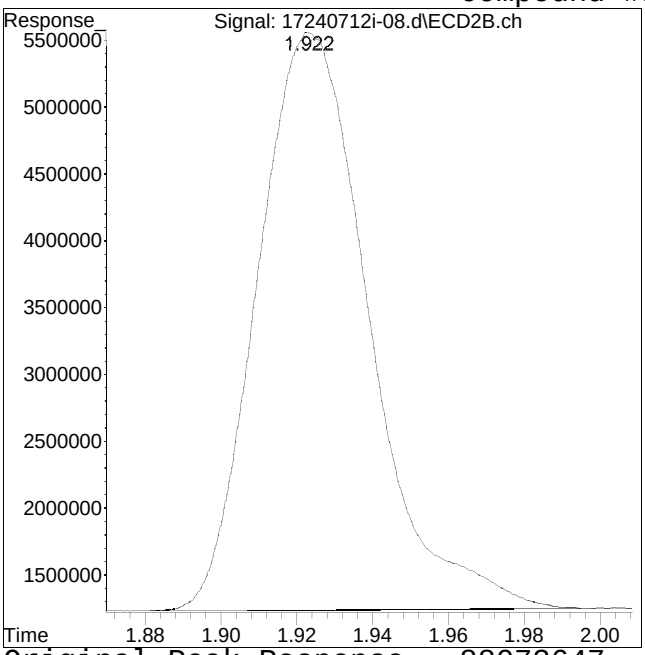


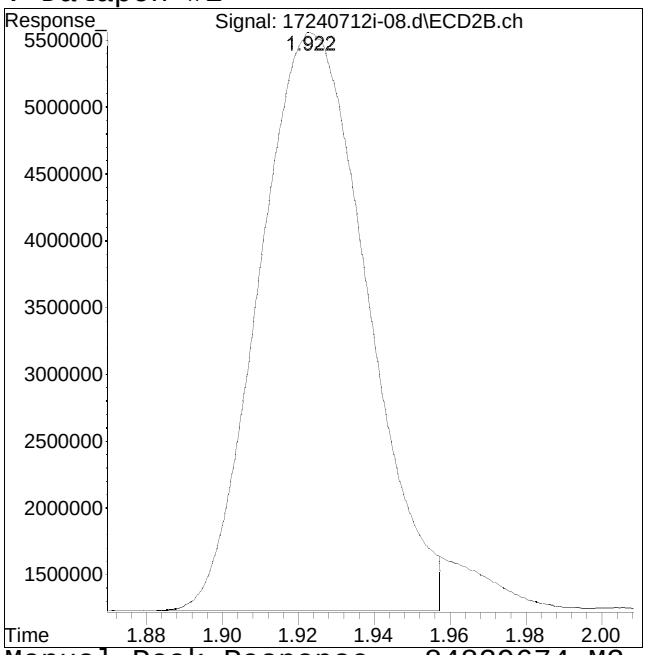
Manual Peak Response = 573450689 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #15: Dalapon #2



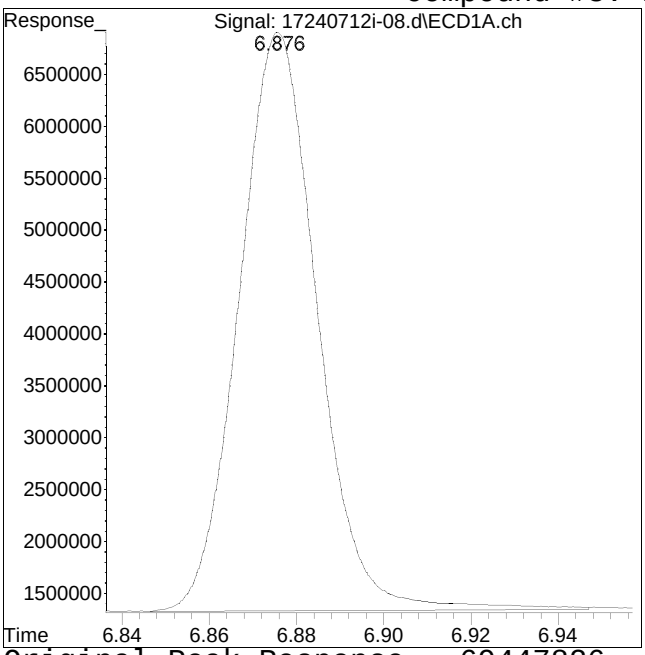


Original Peak Response = 88073647 Manual Peak Response = 84839674 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

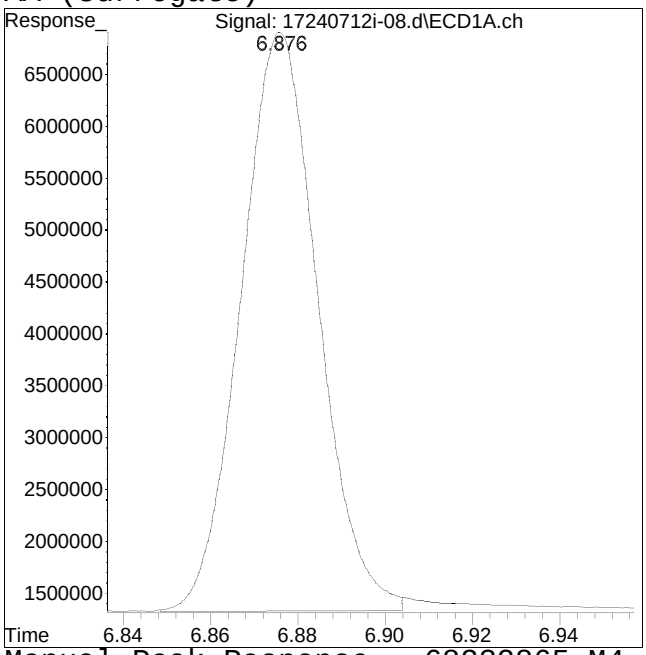
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 69447826



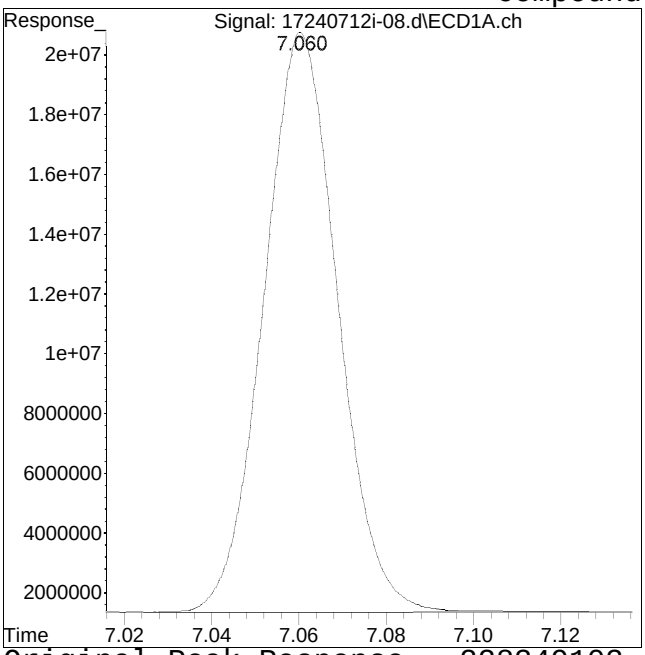
Manual Peak Response = 68232865 M4

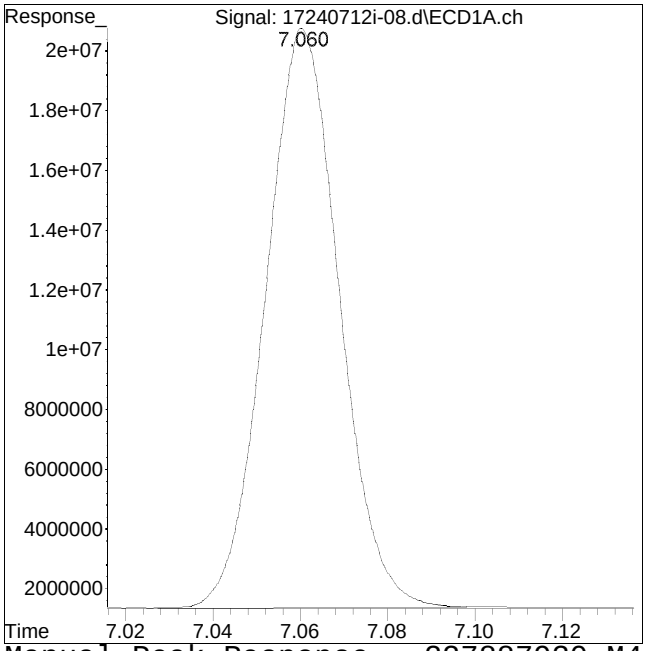
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #4: Dicamba



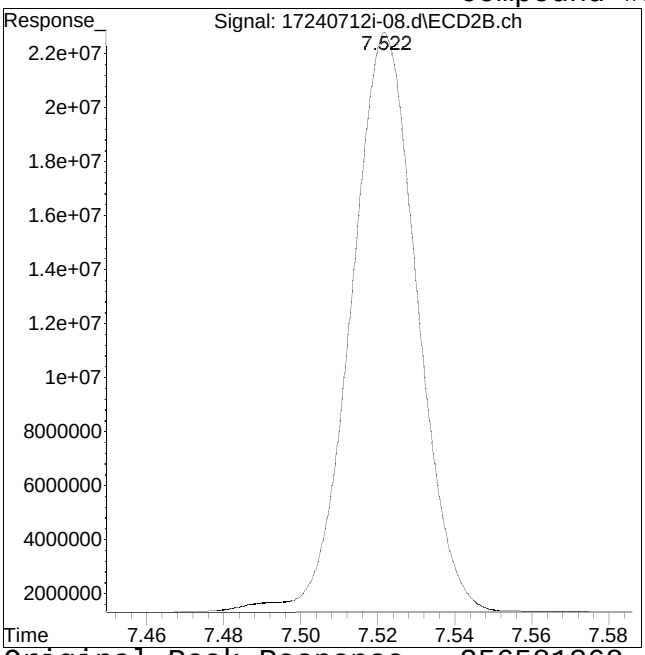


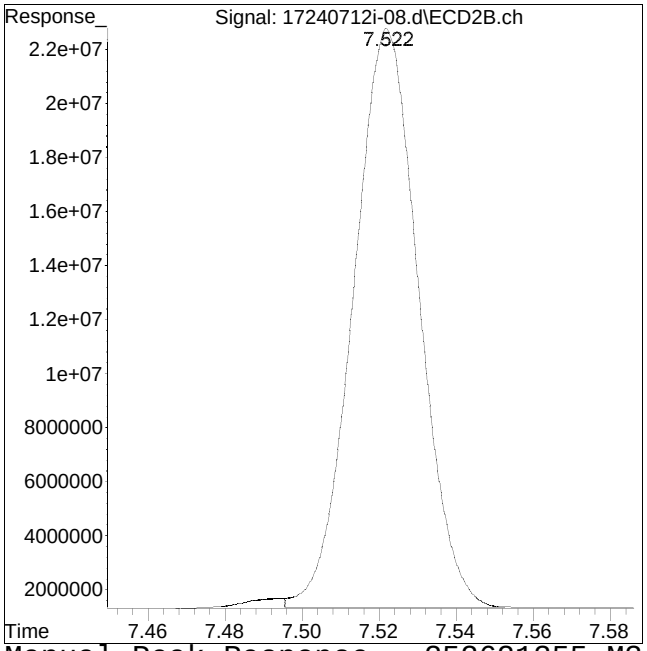
Original Peak Response = 228349103 Manual Peak Response = 227887930 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #17: Dicamba #2



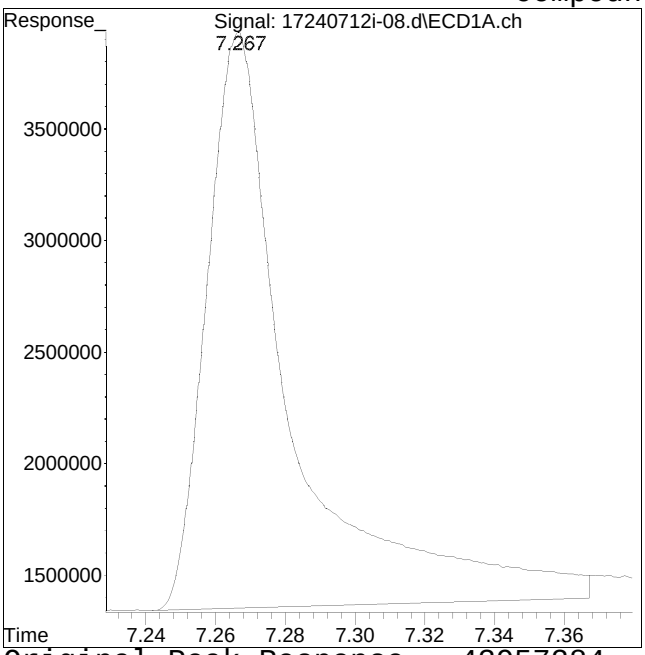


Original Peak Response = 256581368 Manual Peak Response = 252621355 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

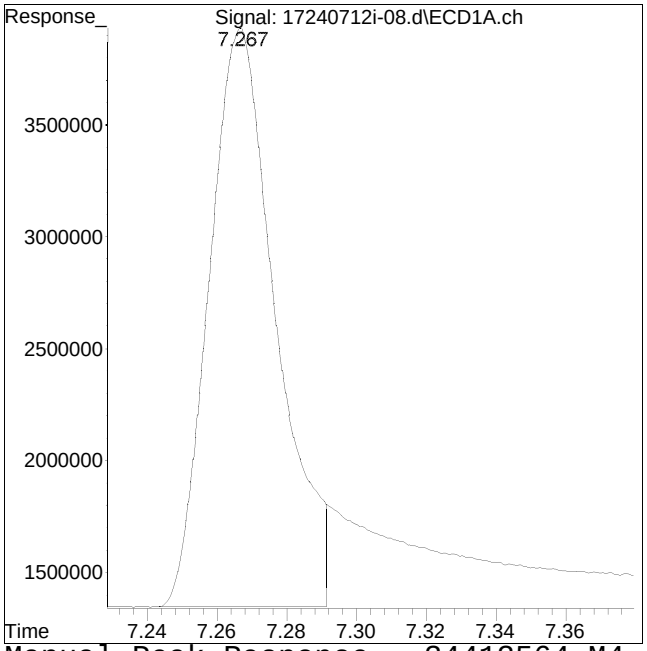
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #5: MCPP



Original Peak Response = 43957284



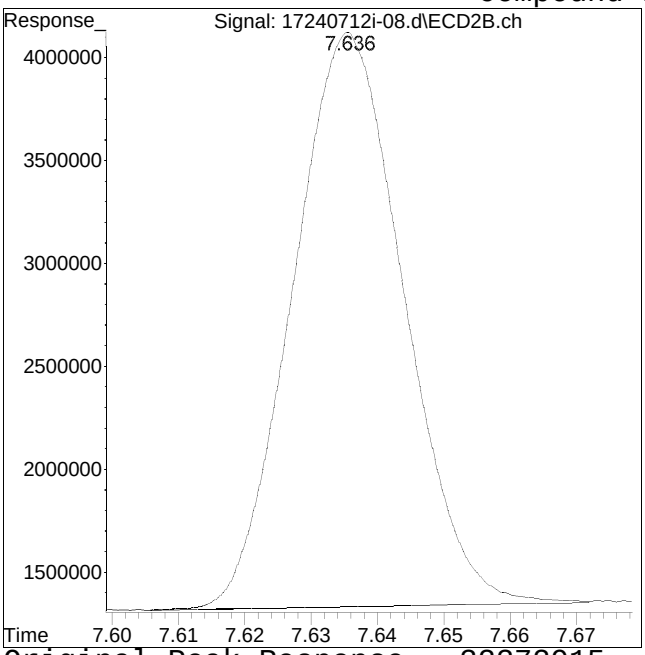
Manual Peak Response = 34413564 M4

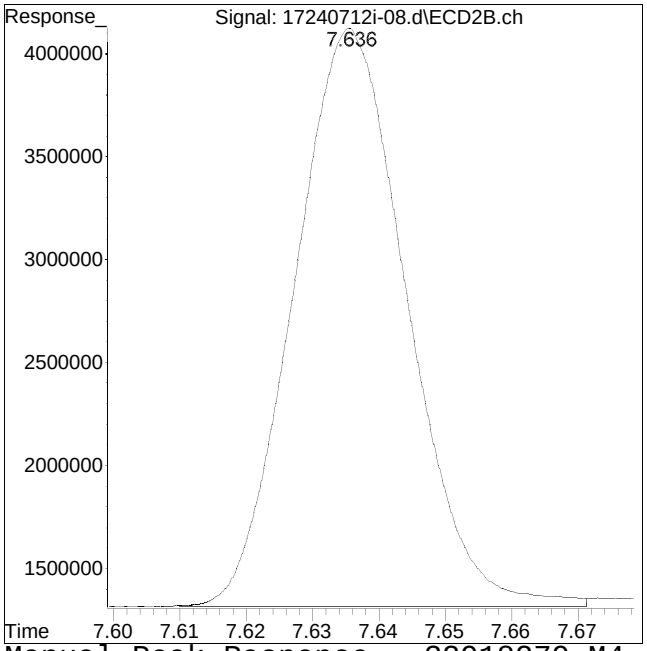
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #18: MCPP #2



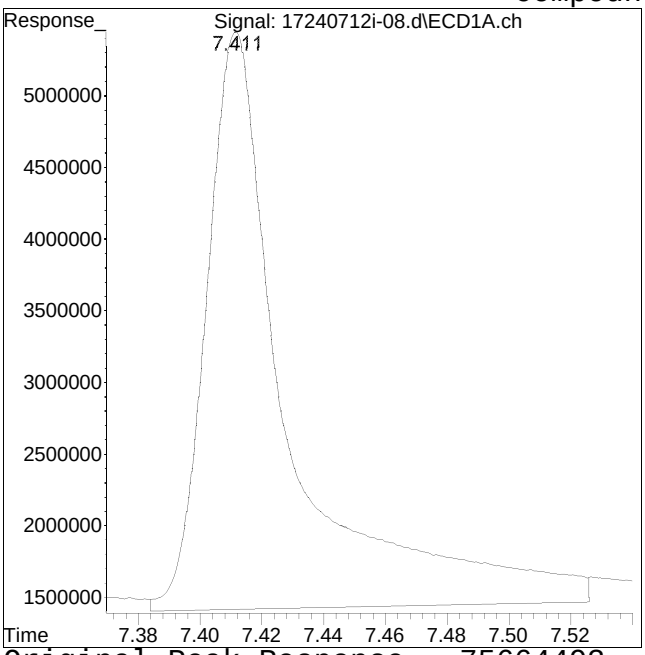


Original Peak Response = 32372915 Manual Peak Response = 32918279 M4
M4 = Poor automated baseline construction.

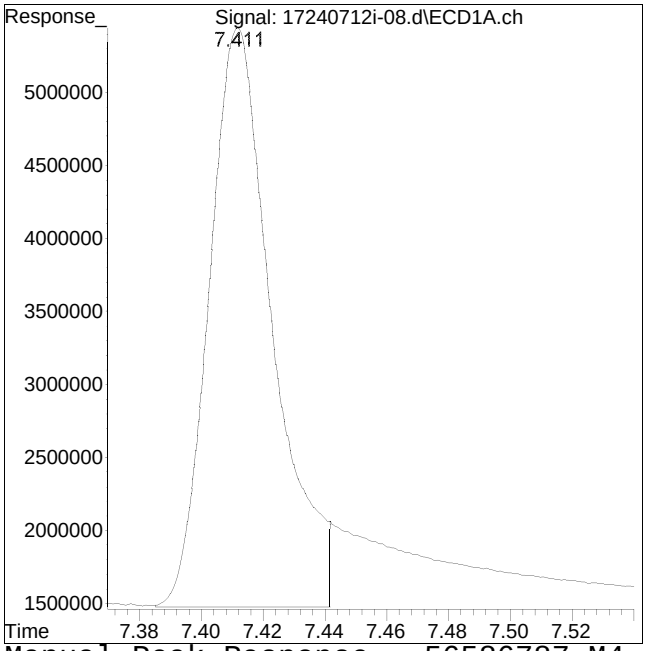
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #6: MCPA



Original Peak Response = 75664493



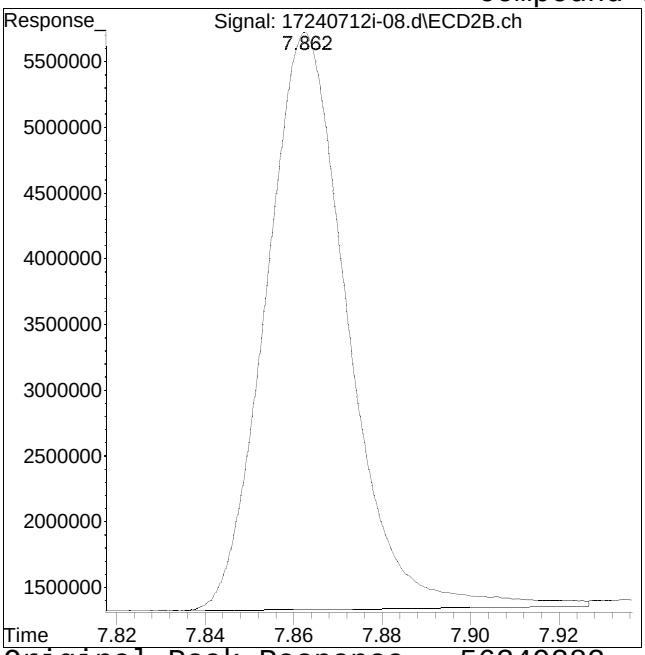
Manual Peak Response = 56586787 M4

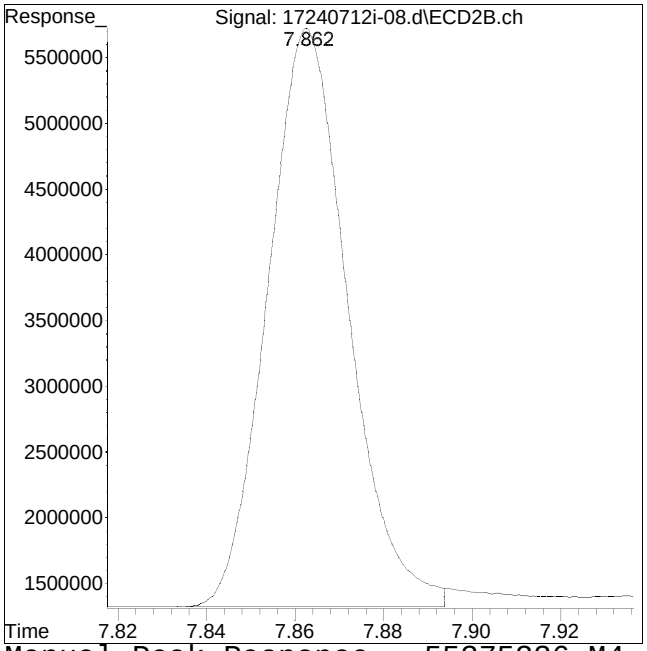
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #19: MCPA #2



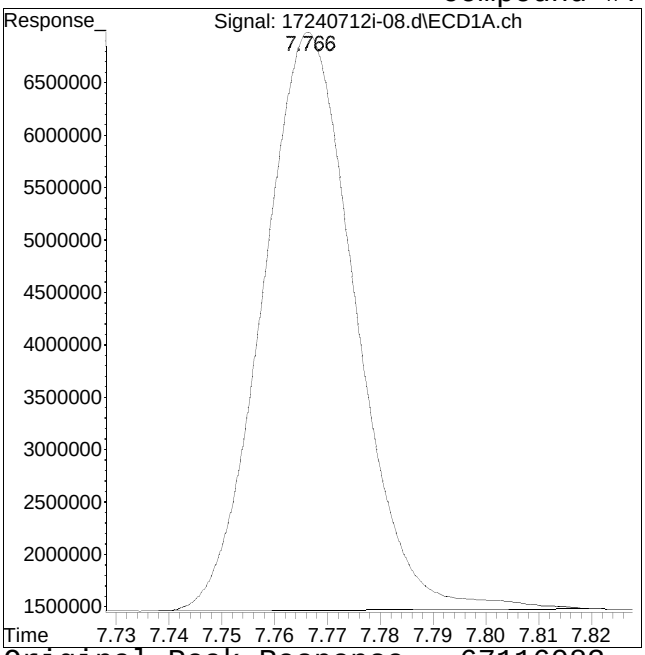


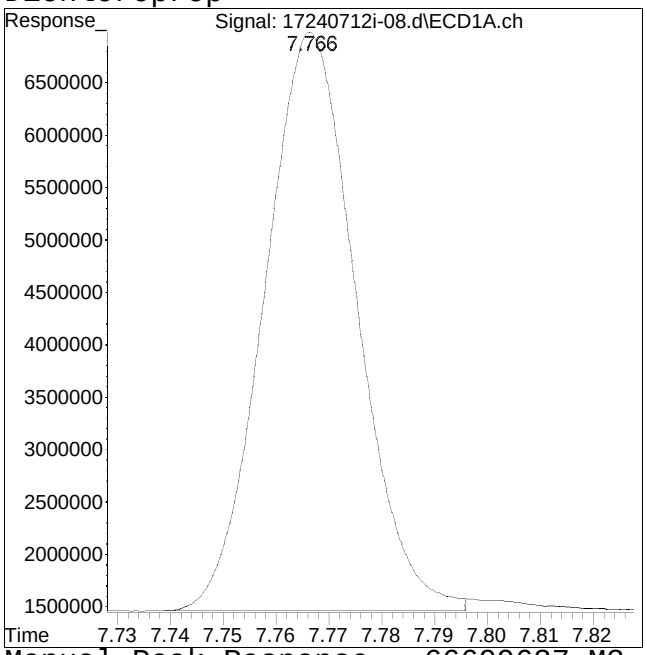
Original Peak Response = 56349282 Manual Peak Response = 55375336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #7: Dichloroprop



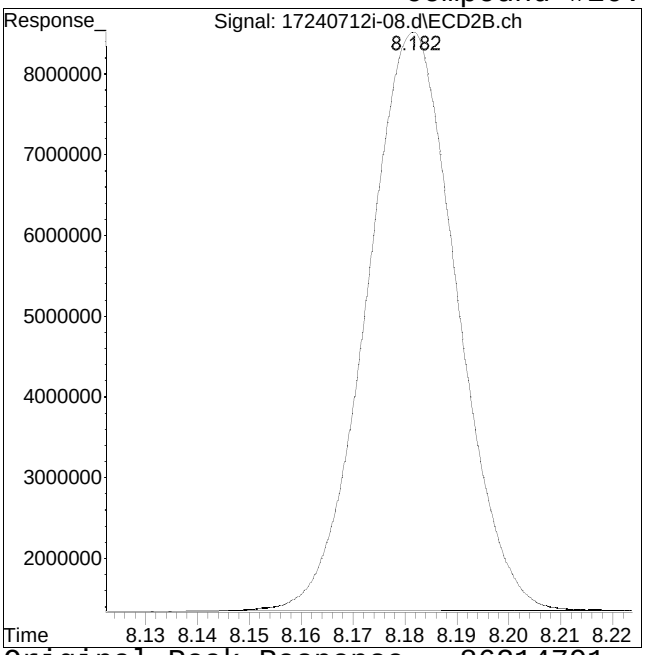


Original Peak Response = 67116083 Manual Peak Response = 66699637 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

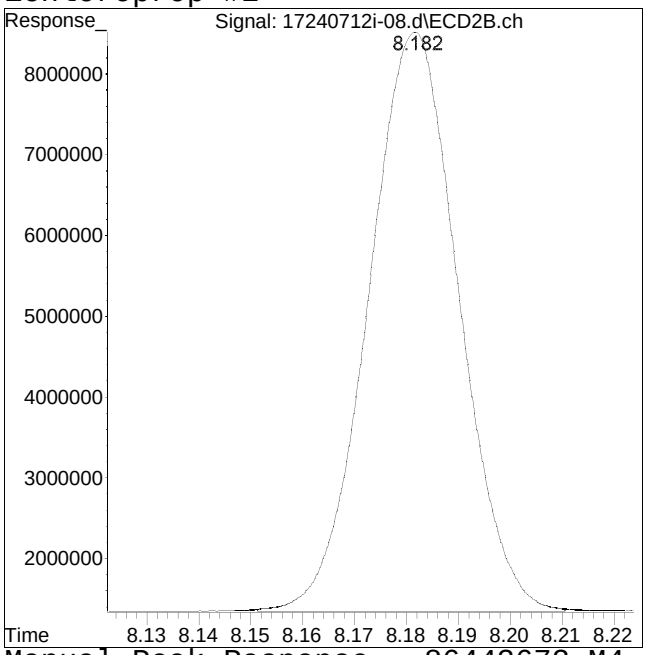
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #20: Dichloroprop #2



Original Peak Response = 86214791



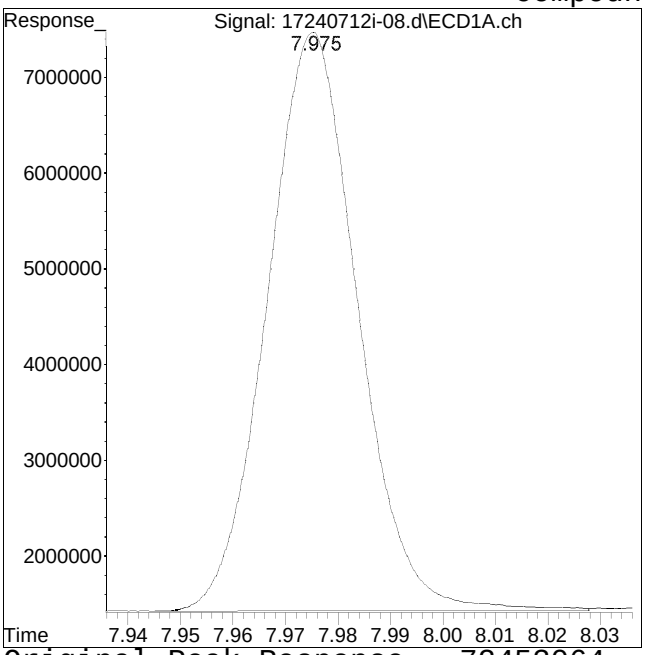
Manual Peak Response = 86443672 M4

M4 = Poor automated baseline construction.

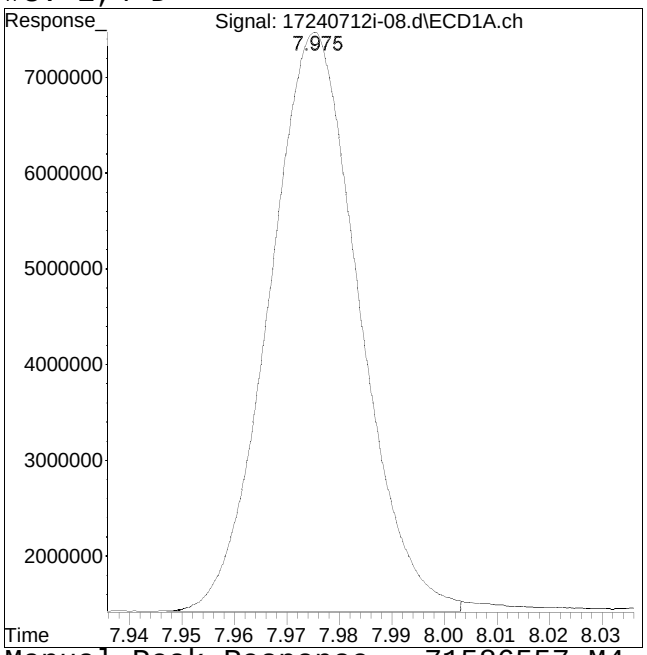
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #8: 2,4-D



Original Peak Response = 72453064



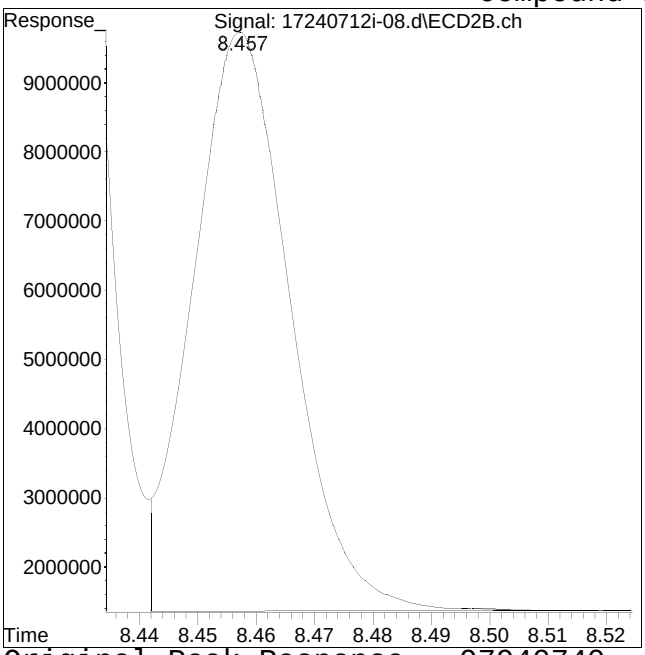
Manual Peak Response = 71586557 M4

M4 = Poor automated baseline construction.

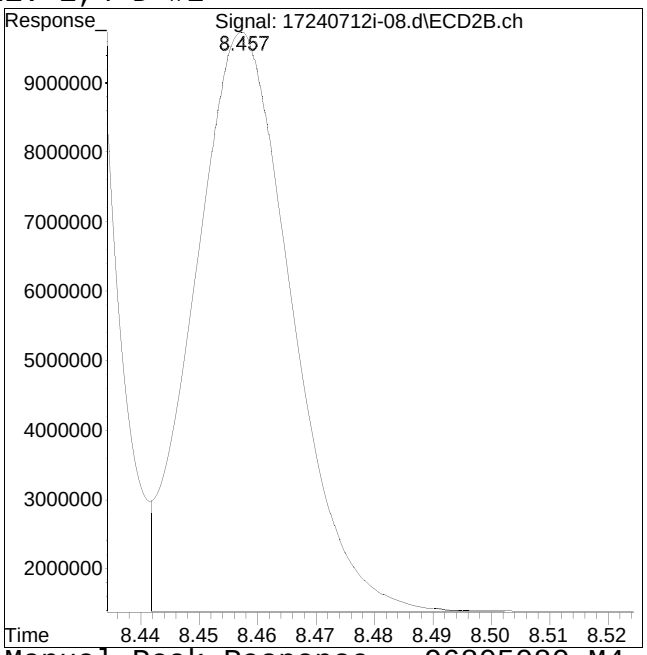
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #21: 2,4-D #2



Original Peak Response = 97940740



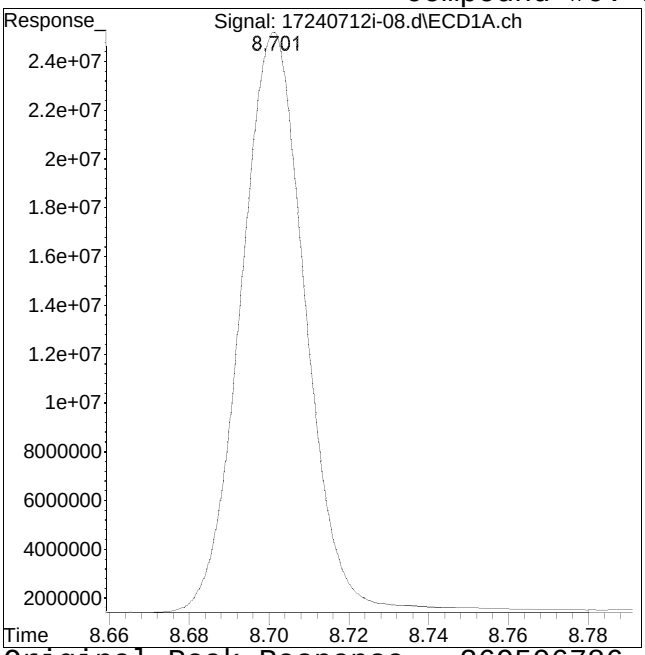
Manual Peak Response = 96805080 M4

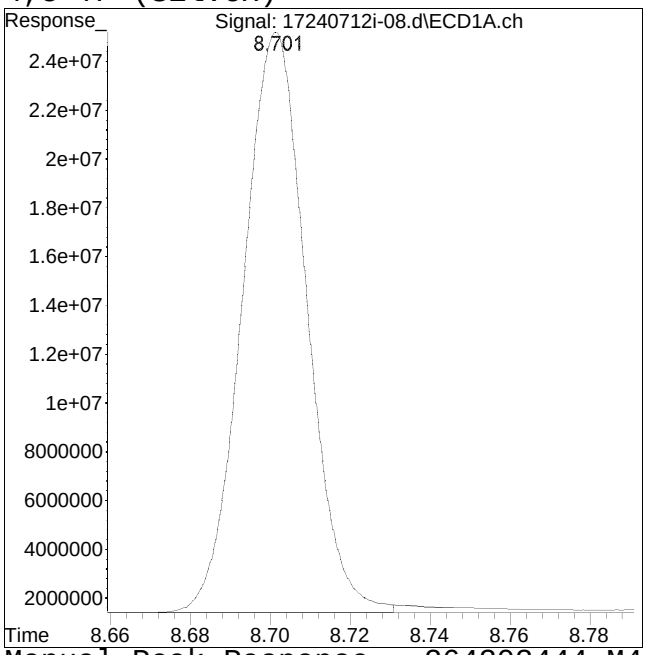
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #9: 2,4,5-TP (Silvex)



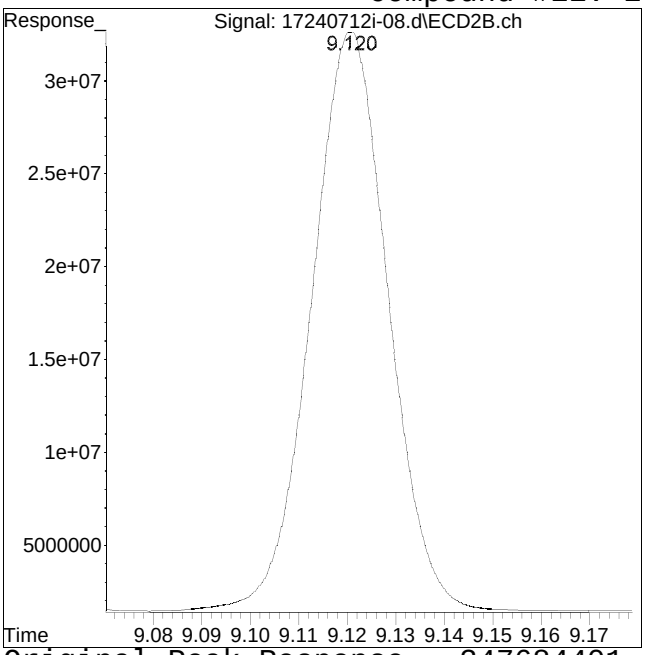


Original Peak Response = 269506786 Manual Peak Response = 264303444 M4
M4 = Poor automated baseline construction.

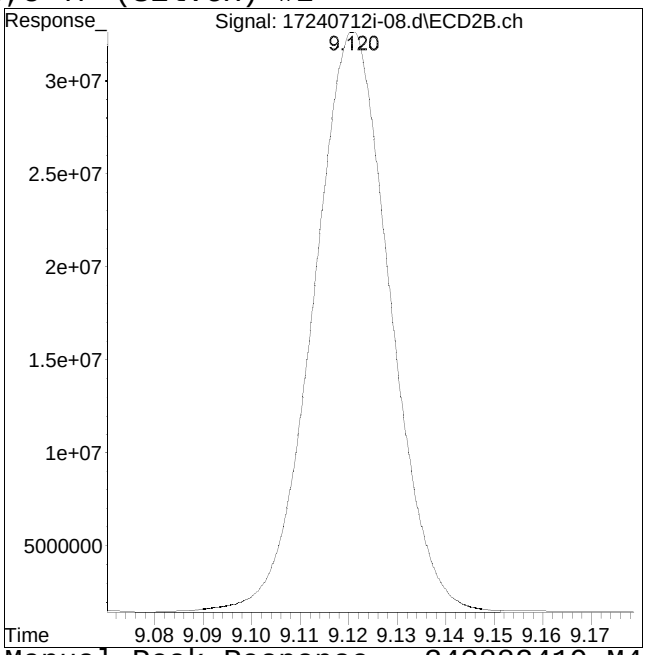
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 347684401



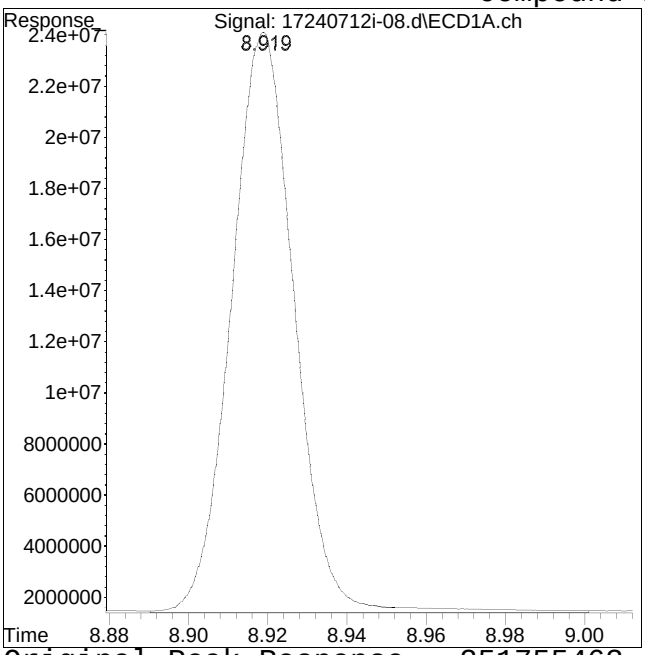
Manual Peak Response = 343882419 M4

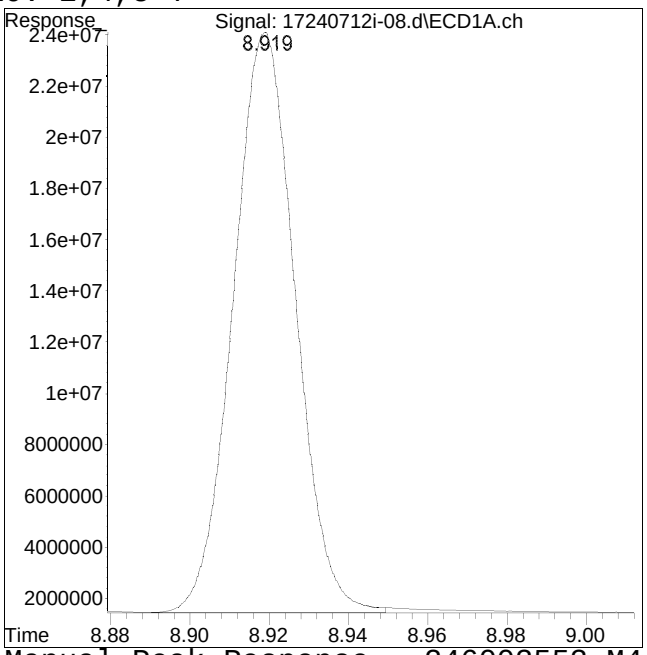
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #10: 2,4,5-T



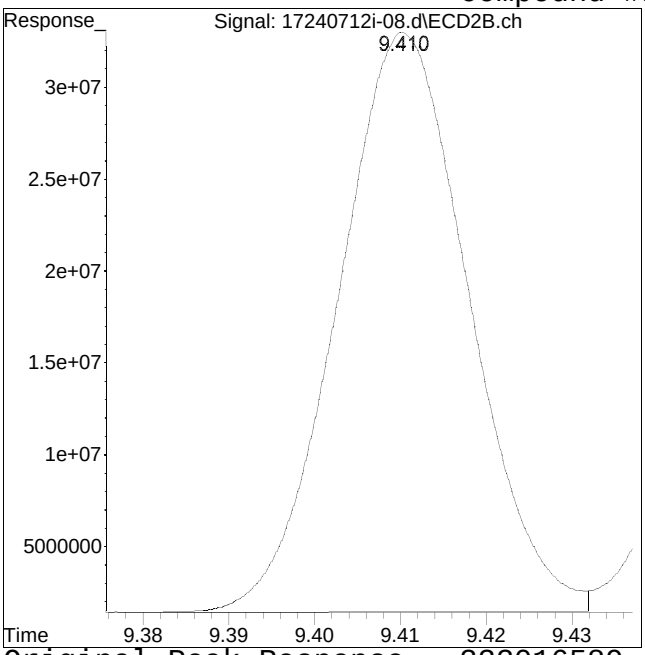


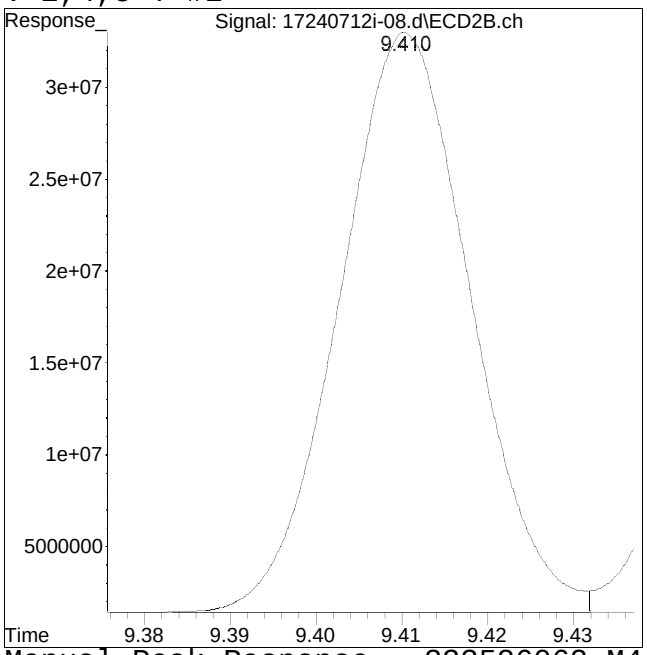
Original Peak Response = 251755463 Manual Peak Response = 246003553 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #23: 2,4,5-T #2



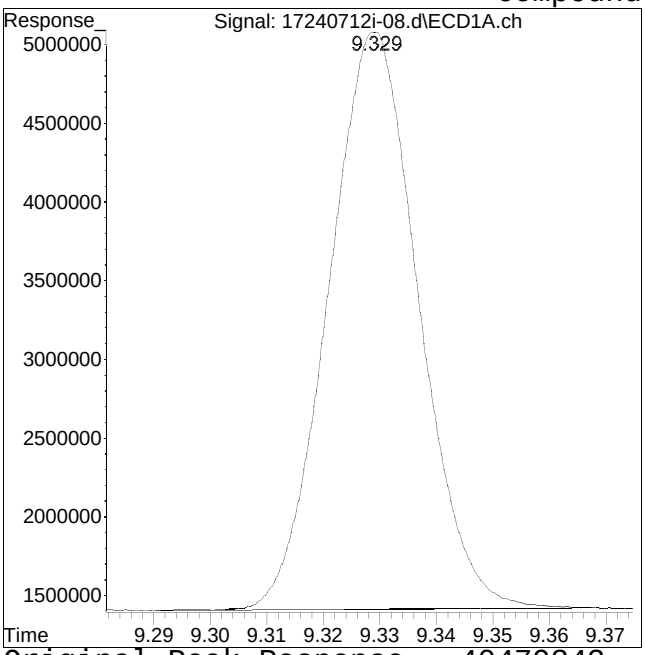


Original Peak Response = 333016589 Manual Peak Response = 333526062 M4
M4 = Poor automated baseline construction.

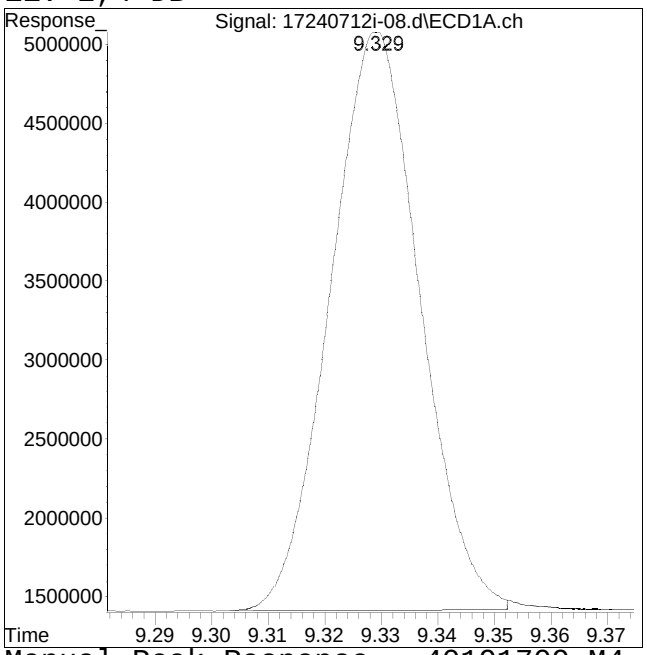
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #11: 2,4-DB



Original Peak Response = 40479343



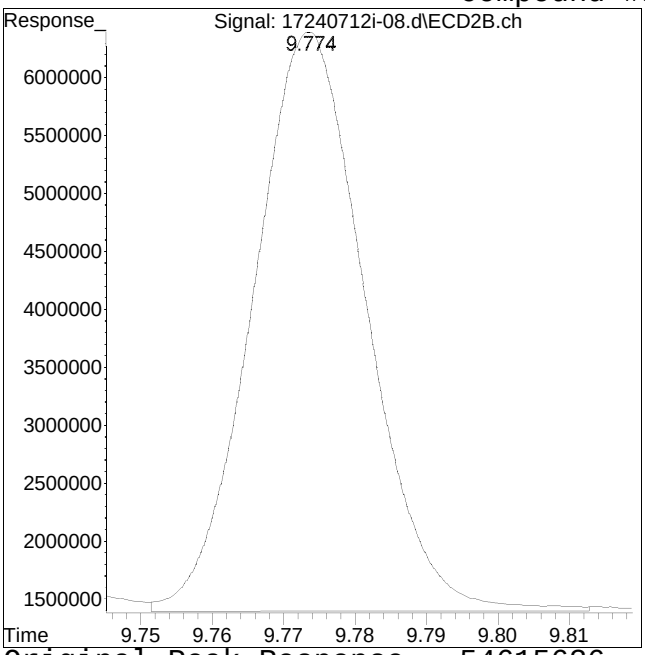
Manual Peak Response = 40191709 M4

M4 = Poor automated baseline construction.

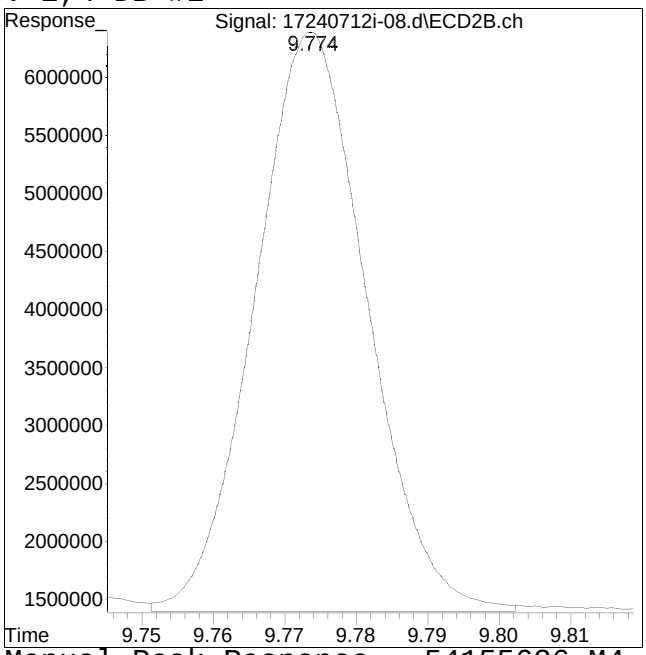
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #24: 2,4-DB #2



Original Peak Response = 54615636



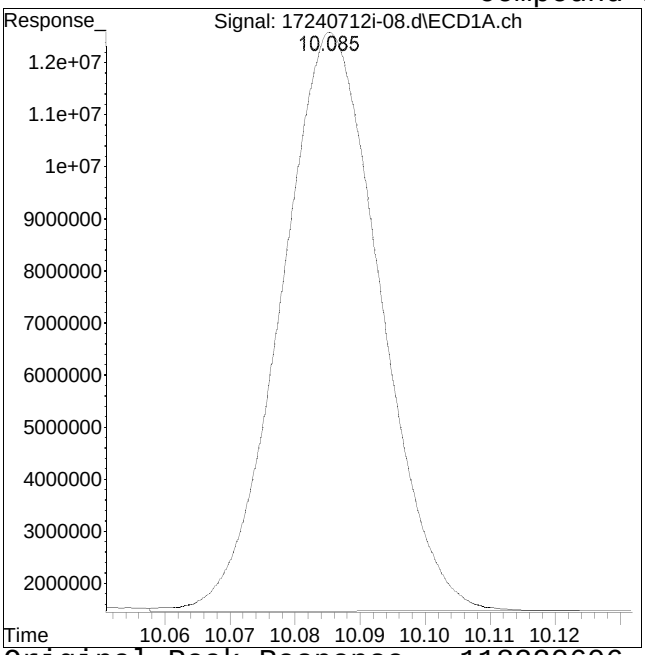
Manual Peak Response = 54155626 M4

M4 = Poor automated baseline construction.

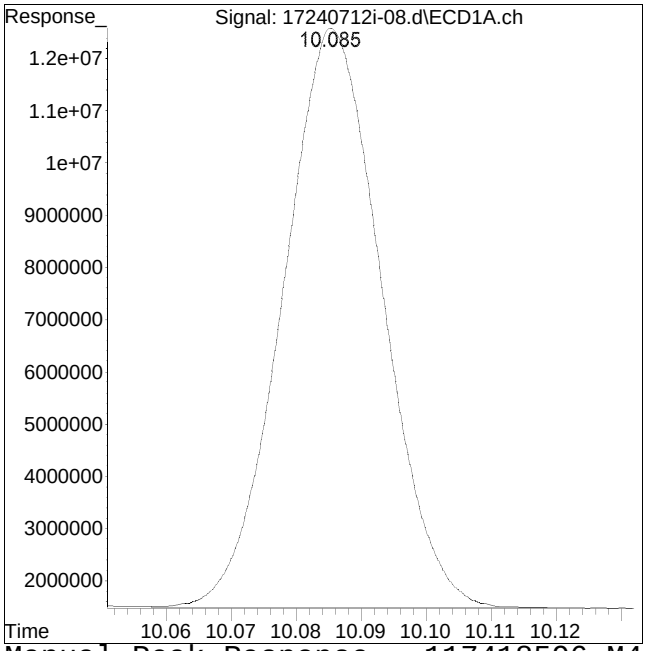
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #12: Dinoseb



Original Peak Response = 118220606



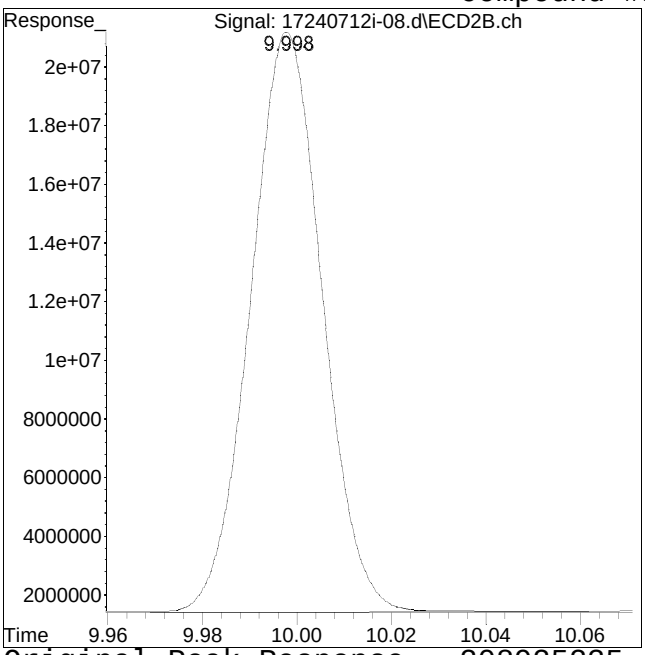
Manual Peak Response = 117418596 M4

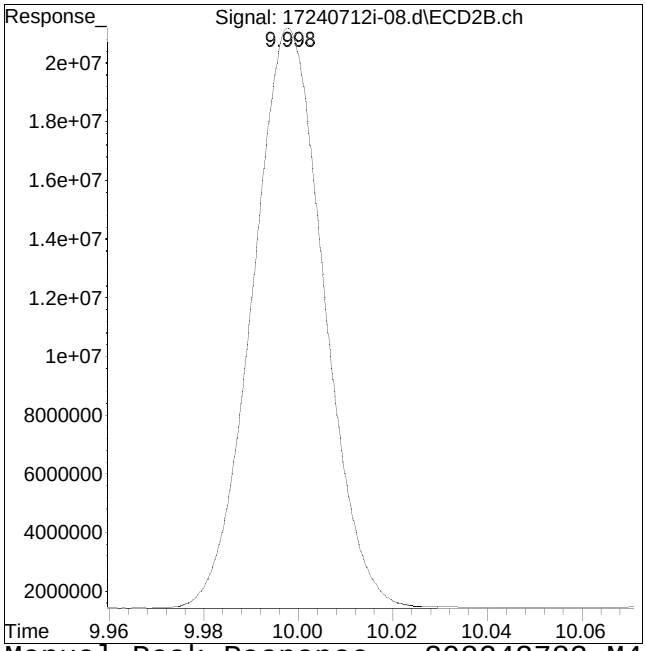
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240712QMethod : Herb17_2024_07_12_ICAL.m
Data File : 17240712i-08.d Operator : PEST17:peg
Date Inj'd : 7/12/2024 4:31 pm Instrument : Pest 17
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/15/2024 1:27 pm

Compound #25: Dinoseb #2





Original Peak Response = 208925235 Manual Peak Response = 208243783 M4
M4 = Poor automated baseline construction.

Evaluate Relative Error Report Pest 17

Method Path : I:\PEST\Pest17\2024\240712ICAL\
Method File : Herb17_2024_07_12_ICAL.m
Title : herb
Last Update : Mon Jul 15 13:27:29 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
6	T MCPA	L	mg/l	18.6	20.854	12.1	4.65	3.490	-24.9
19	T MCPA #2	L	mg/l	18.6	20.408	9.7	4.65	3.831	-17.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
6	T MCPA	Linear	0.996637	0.000000	0.000940056	0.0246855
19	T MCPA #2	Linear	0.998322	0.000000	0.00100632	0.0171195

Response Factor Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.262	0.256	0.251	0.214	0.195	0.180	*L	0.9937
3)	s	DCAA (surrogate)	0.232	0.220	0.208	0.180	0.169	0.156	0.194	15.50
4)	t	Dicamba	0.658	0.637	0.596	0.529	0.494	0.470	0.564	13.77
5)	t	MCPP	0.000	0.000	0.000	0.000	0.000	0.001	0.000	15.28
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	8.95
7)	t	Dichloroprop	0.220	0.206	0.190	0.166	0.154	0.142	0.180	17.06
8)	t	2,4-D	0.250	0.243	0.228	0.205	0.192	0.181	0.217	13.06
9)	t	2,4,5-TP (Sil...	0.900	0.887	0.848	0.774	0.733	0.691	0.806	10.65
10)	t	2,4,5-T	0.902	0.896	0.848	0.774	0.741	0.708	0.811	10.16
11)	t	2,4-DB	0.135	0.133	0.125	0.112	0.105	0.099	0.118	12.54
12)	t	Dinoseb	0.683	0.656	0.608	0.544	0.512	0.482	0.581	13.91

Signal #2 Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	i	4,4'-DBOB	----------ISTD----------							
2)	t	Dalapon	0.294	0.258	0.229	0.198	0.186	0.176	*L	0.9983
3)	s	DCAA (surrogate)	0.235	0.222	0.205	0.178	0.167	0.158	0.194	16.01
4)	t	Dicamba	0.658	0.634	0.599	0.531	0.506	0.490	0.570	12.33
5)	t	MCPP	0.001	0.001	0.001	0.001	0.001	0.001	0.001	7.36
6)	t	MCPA	0.001	0.001	0.001	0.001	0.001	0.001	0.001	13.05
7)	t	Dichloroprop	0.216	0.203	0.190	0.167	0.157	0.148	0.180	15.02
8)	t	2,4-D	0.356	0.333	0.259	0.220	0.204	0.195	*L	0.9971
9)	t	2,4,5-TP (Sil...	0.923	0.898	0.850	0.768	0.738	0.706	0.814	10.96
10)	t	2,4,5-T	0.869	0.846	0.799	0.730	0.707	0.694	0.774	9.60
11)	t	2,4-DB	0.151	0.144	0.134	0.122	0.118	0.114	0.131	11.41

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024
Response Via : Initial Calibration

Calibration Files
1 =22240716i-02.D 2 =22240716i-03.D 3 =22240716i-04.D 4 =22240716i-05.D 5 =22240716i-06.D
6 =22240716i-07.D

	Compound	1	2	3	4	5	6	Avg	%RSD
12) t	Dinoseb	0.597	0.579	0.550	0.492	0.478	0.451	0.525	11.29

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.547	8.526	942.8E6	960.8E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.010	7.459	41107994	42517010	0.058M4	0.059M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	11.60%#	11.80%#
		Target Compounds						
2)	t	Dalapon	2.415	2.403	44957471	51485046	0.054M4	0.064M3
4)	t	Dicamba	7.190	7.639	116.6E6	118.8E6	0.057M4	0.056M4
5)	t	MCPP	7.391	7.750	5765282	9094615	3.261M4	3.936M4
6)	t	MCPA	7.536	7.976	16321263	22297917	5.115M4	5.707M4
7)	t	Dichloroprop	7.894	8.293	39000105	39065191	0.060M4	0.059M4
8)	t	2,4-D	8.112	8.567	44380572	64259446	0.056M3	0.069M3
9)	t	2,4,5-TP (Si	8.820	9.223	161.2E6	168.5E6	0.054M4	0.055M4
10)	t	2,4,5-T	9.044	9.511	161.7E6	158.6E6	0.054M4	0.055M4
11)	t	2,4-DB	9.451	9.871	24386246	27904577	0.056M3	0.057M4
12)	t	Dinoseb	10.192	10.094	122.4E6	108.9E6	0.058M3	0.056M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

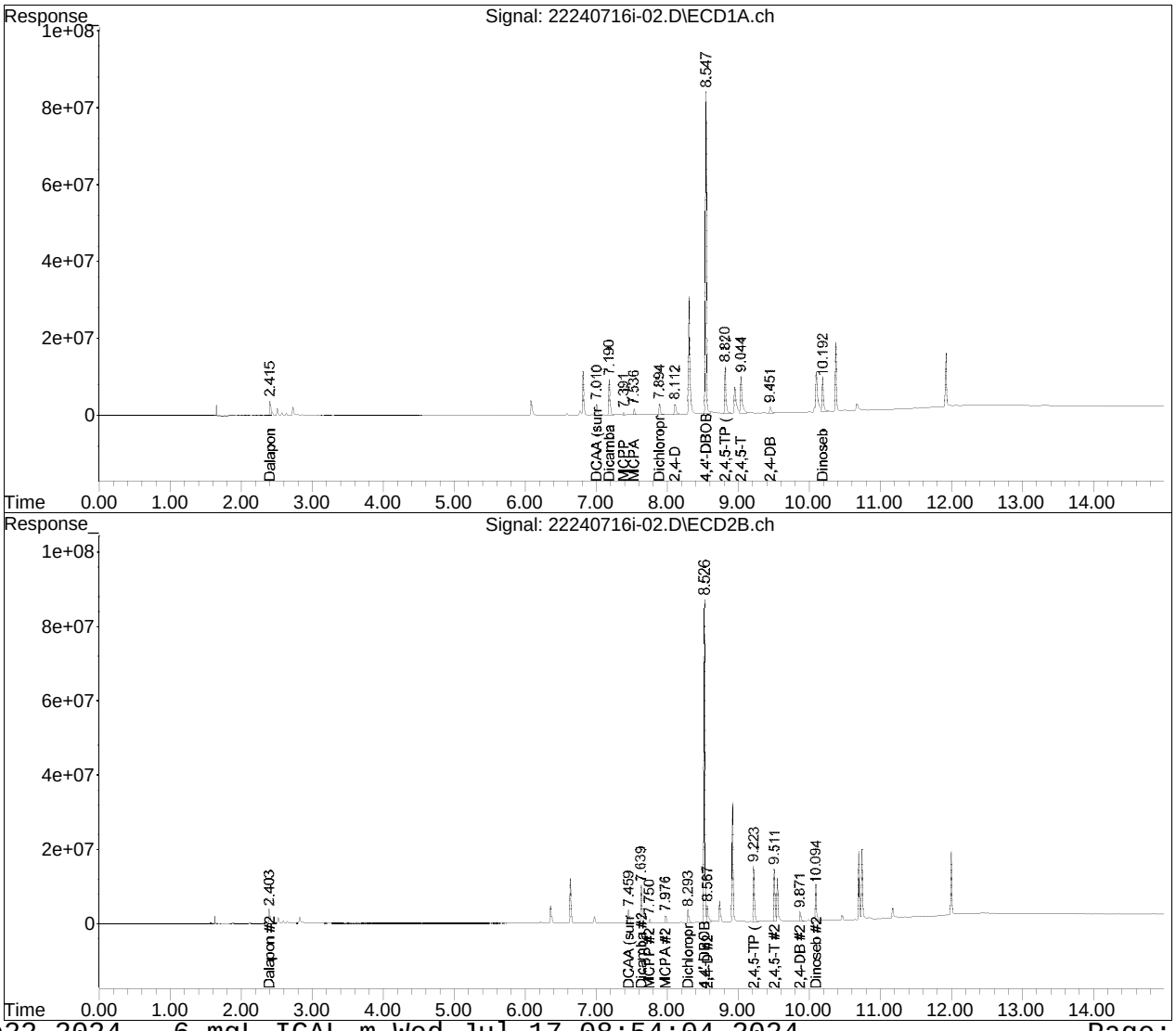
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-02.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:28
Operator : pest22:ejl
Sample : il1herb,42e,,pp 11633 L0.005/5
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:44:53 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:44:40 2024
Response via : Initial Calibration
Integrator: ChemStation

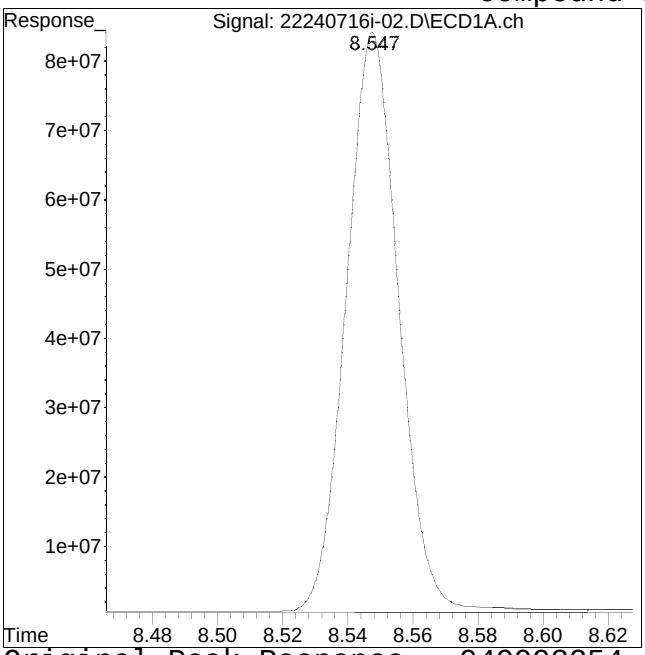
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



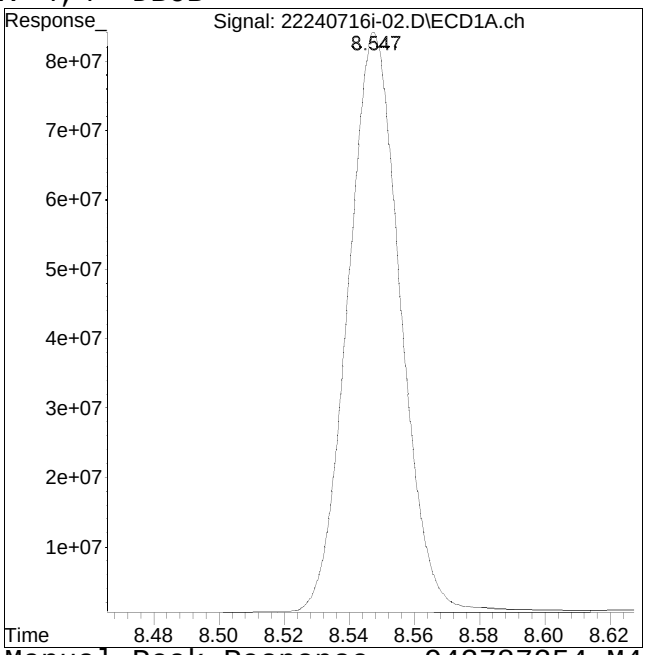
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 949993254

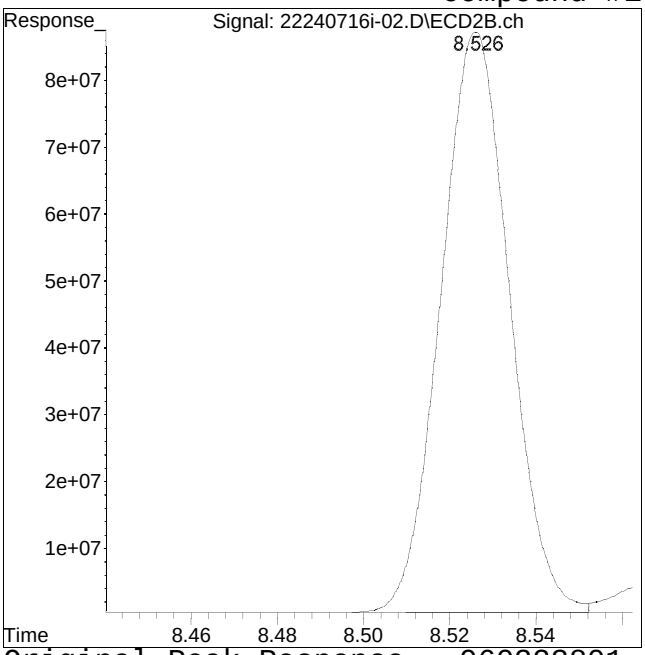


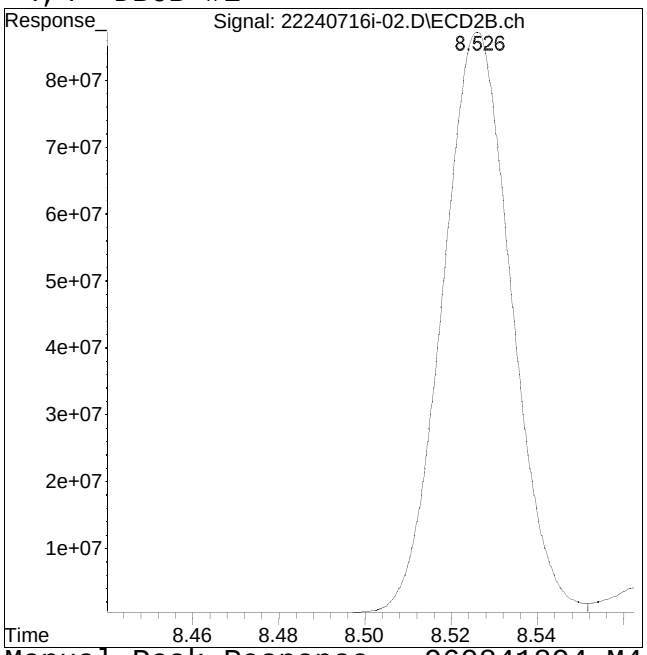
Manual Peak Response = 942787254 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #14: 4,4'-DBOB #2



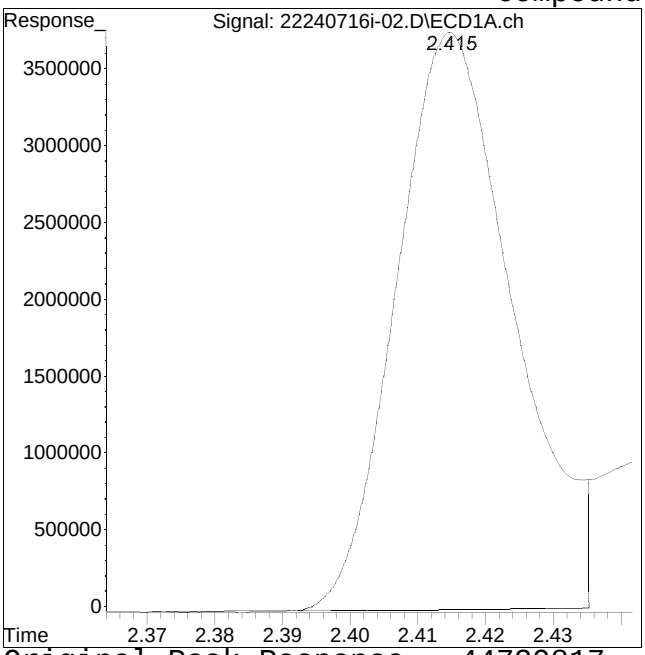


Original Peak Response = 960323801 Manual Peak Response = 960841894 M4
M4 = Poor automated baseline construction.

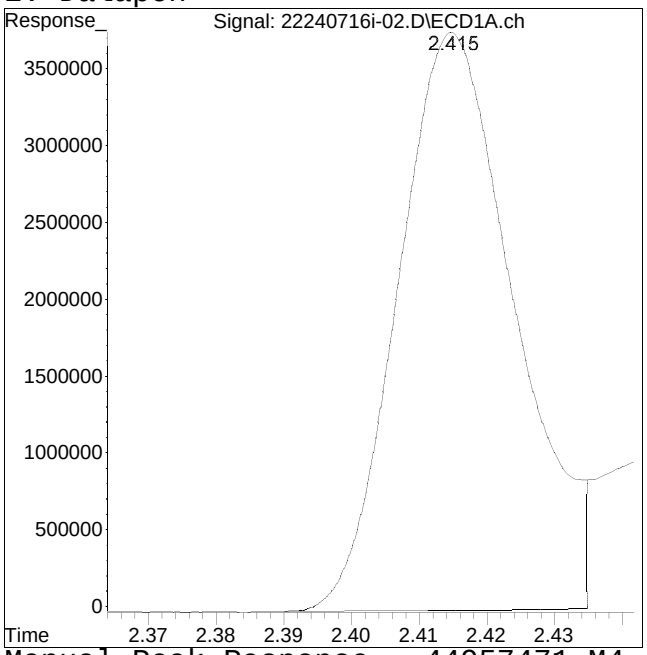
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #2: Dalapon



Original Peak Response = 44739817



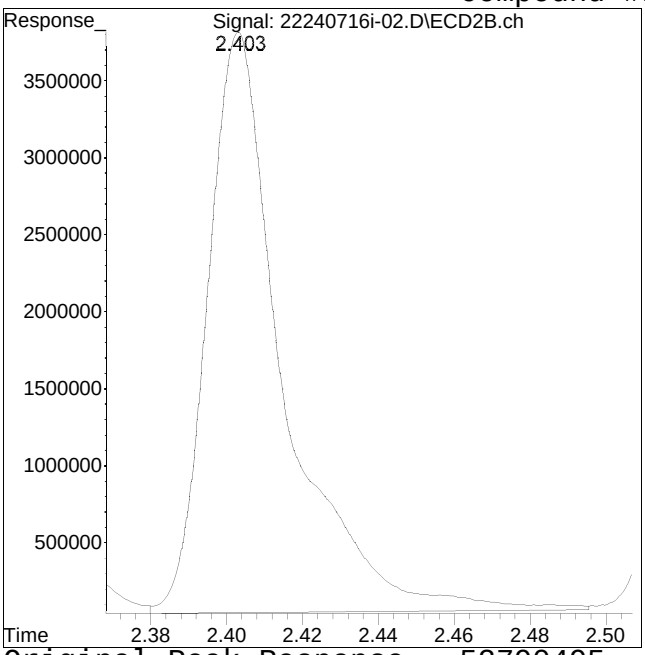
Manual Peak Response = 44957471 M4

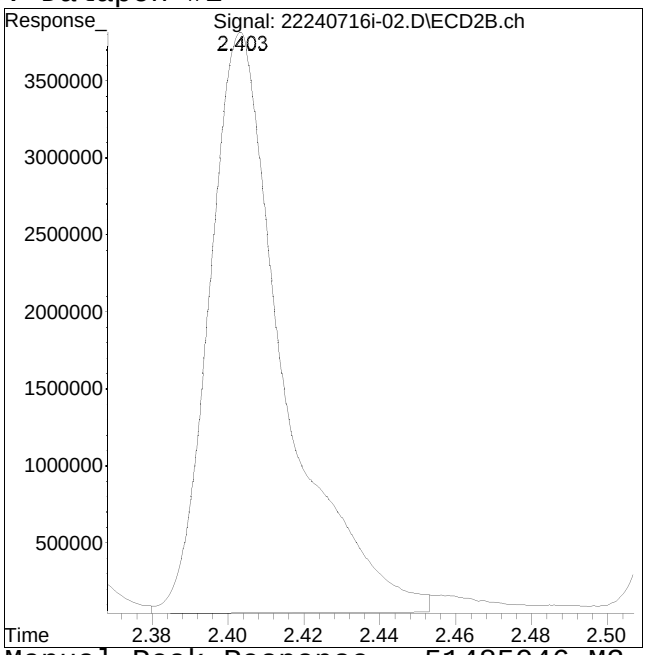
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #15: Dalapon #2



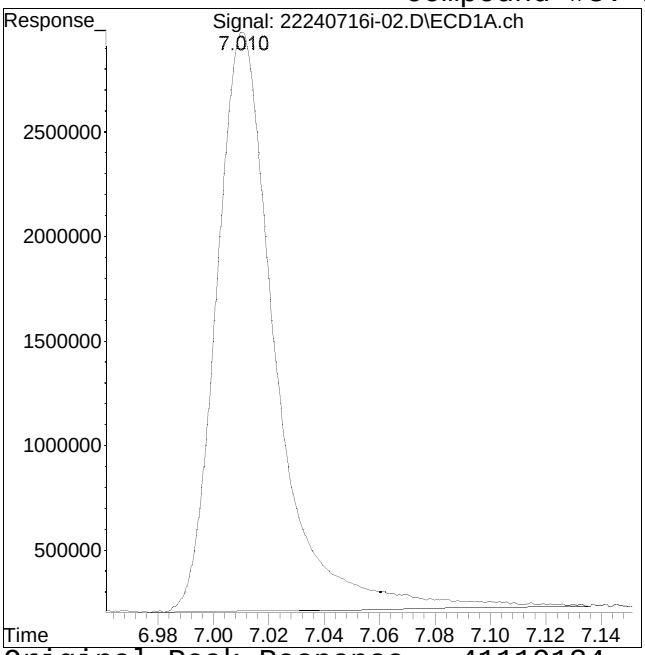


Original Peak Response = 52790495 Manual Peak Response = 51485046 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

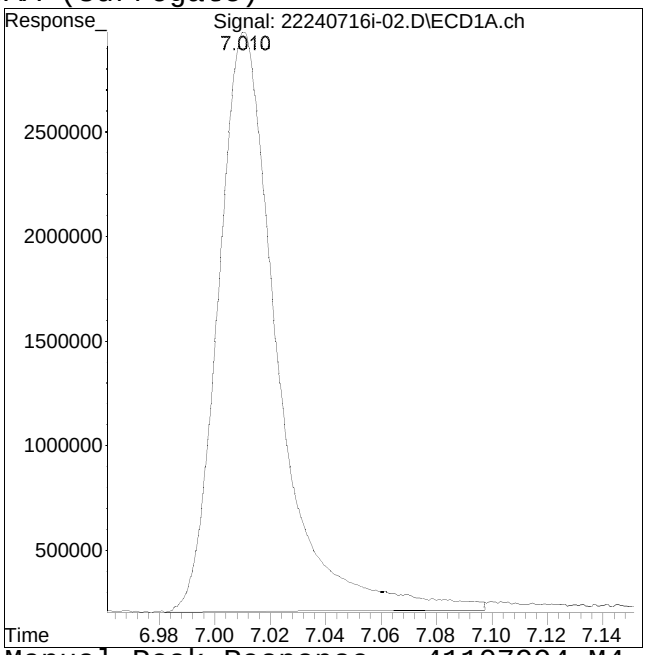
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 41119134



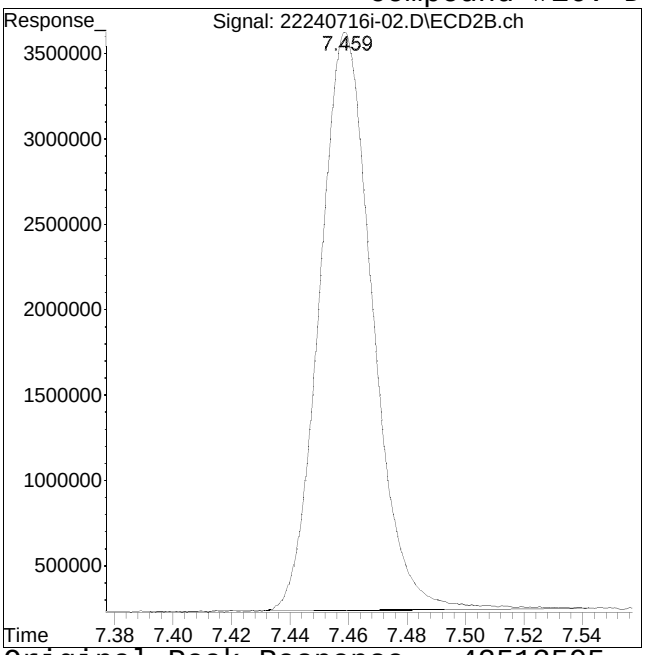
Manual Peak Response = 41107994 M4

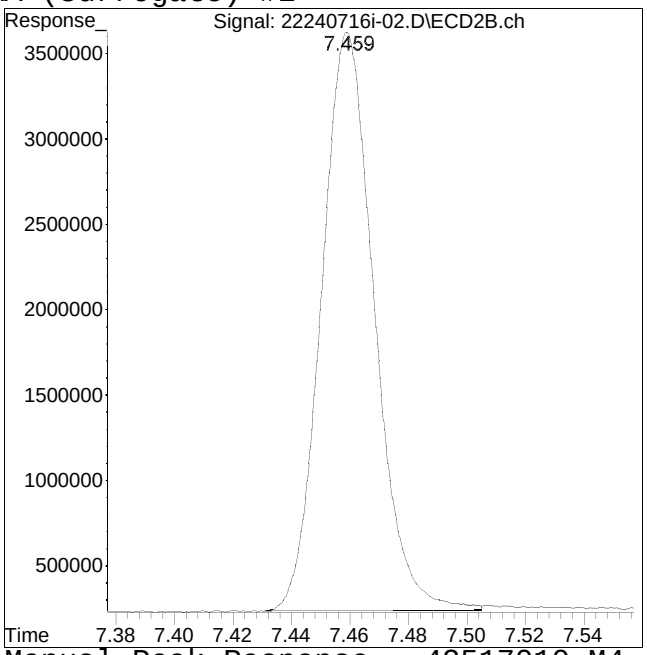
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #16: DCAA (surrogate) #2



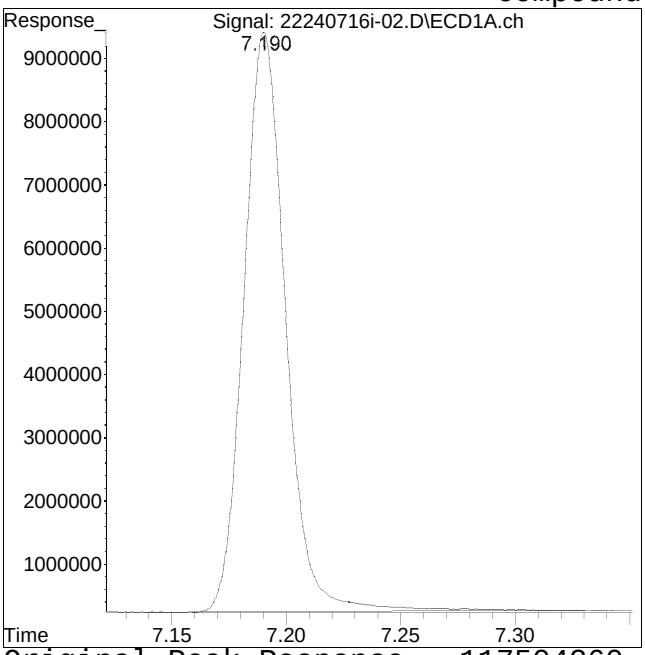


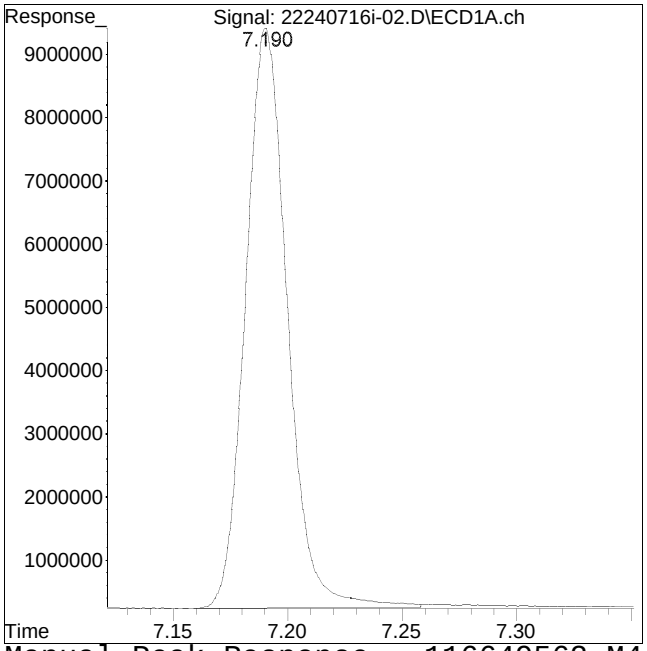
Original Peak Response = 42513595 Manual Peak Response = 42517010 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #4: Dicamba



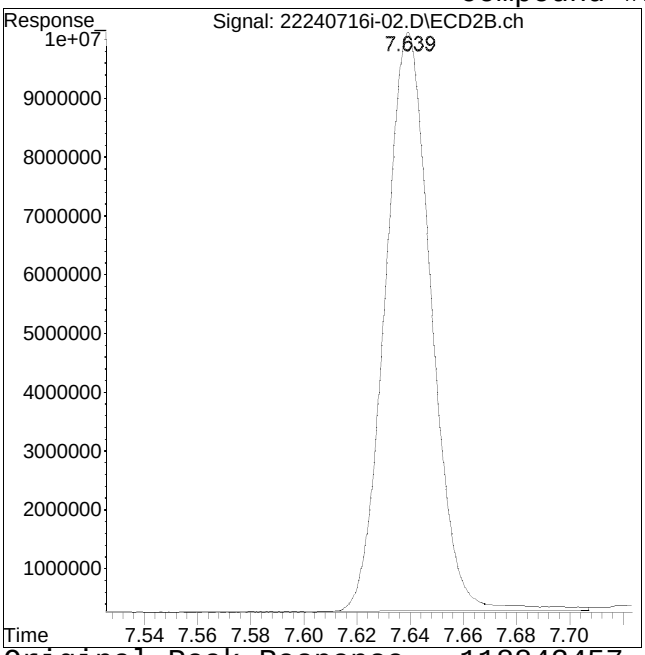


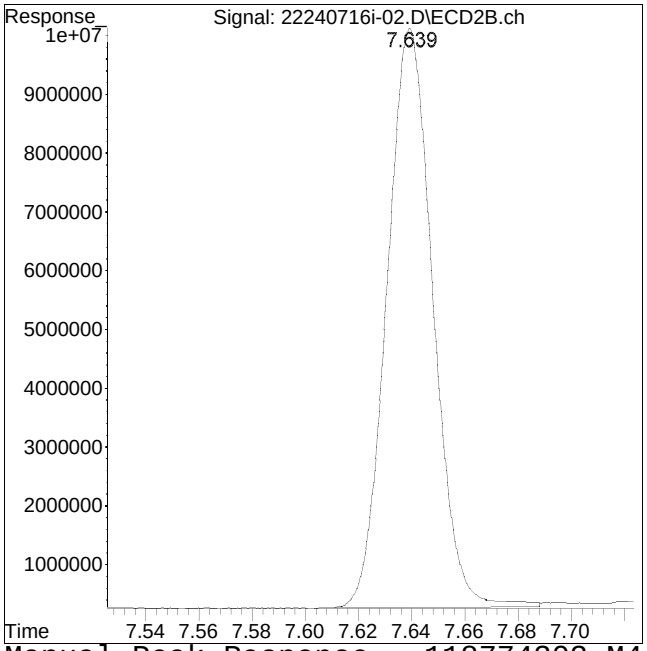
Original Peak Response = 117504260 Manual Peak Response = 116649562 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #17: Dicamba #2



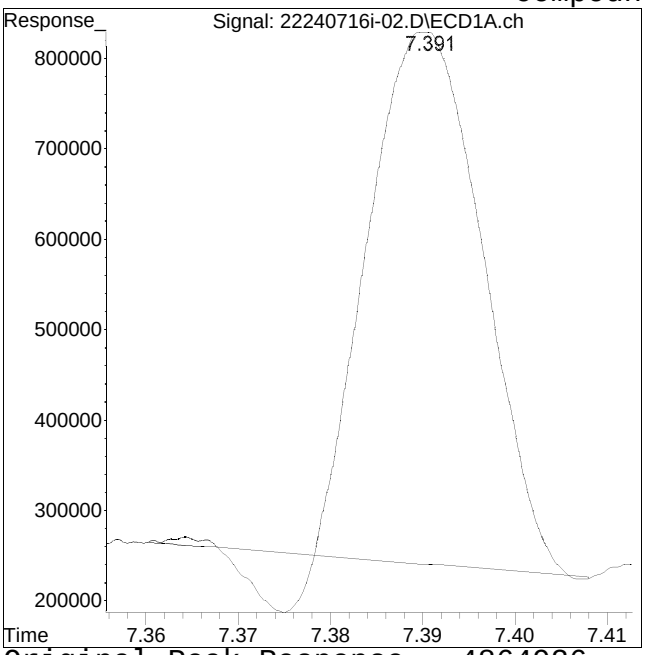


Original Peak Response = 118842457 Manual Peak Response = 118774303 M4
M4 = Poor automated baseline construction.

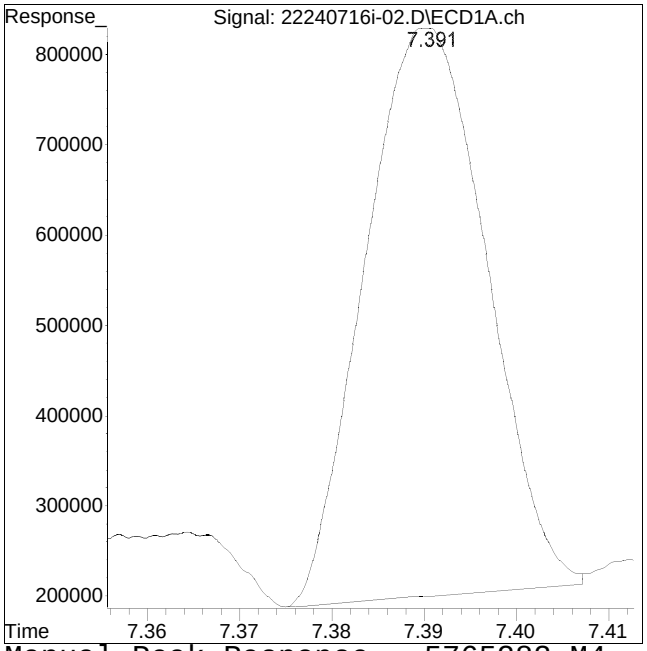
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #5: MCPP



Original Peak Response = 4864926



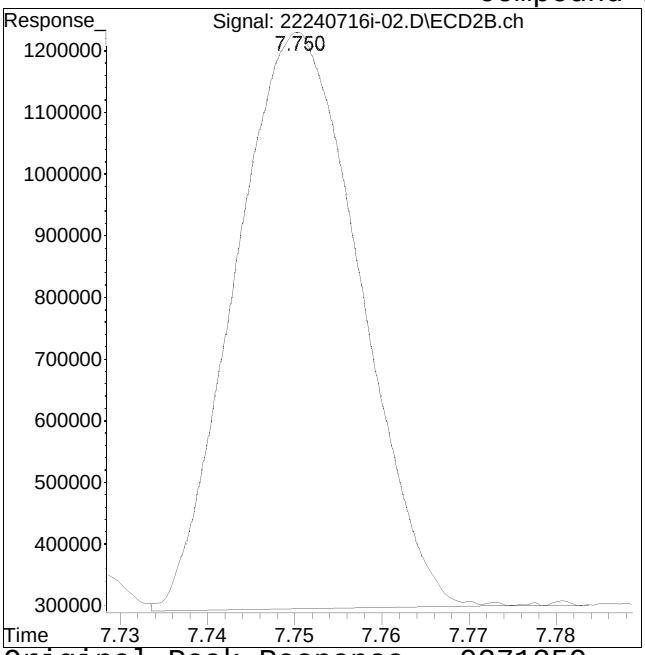
Manual Peak Response = 5765282 M4

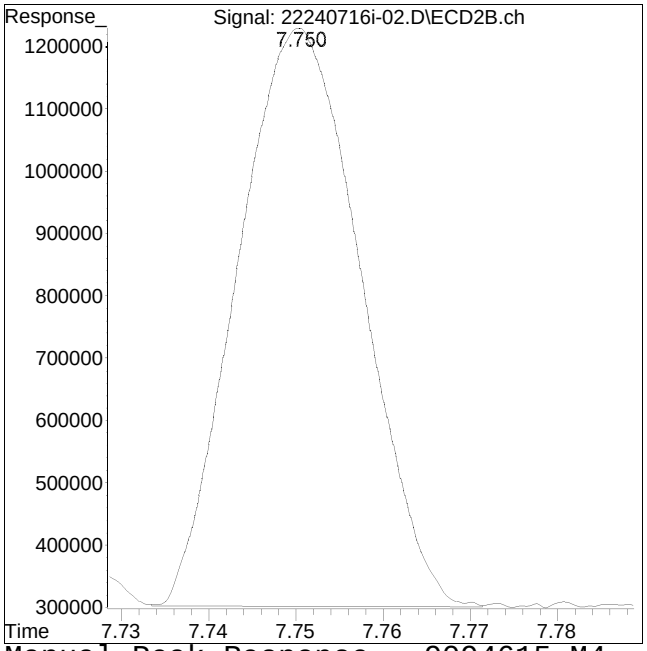
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #18: MCPP #2



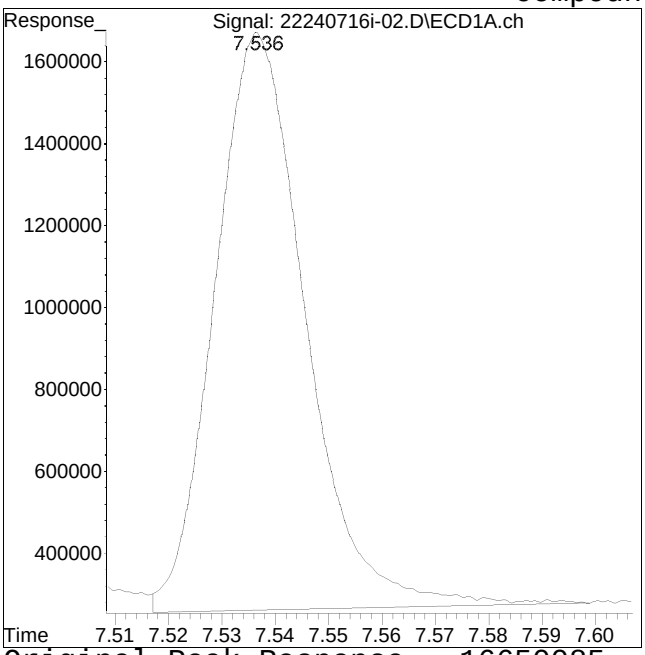


Original Peak Response = 9271259 Manual Peak Response = 9094615 M4
M4 = Poor automated baseline construction.

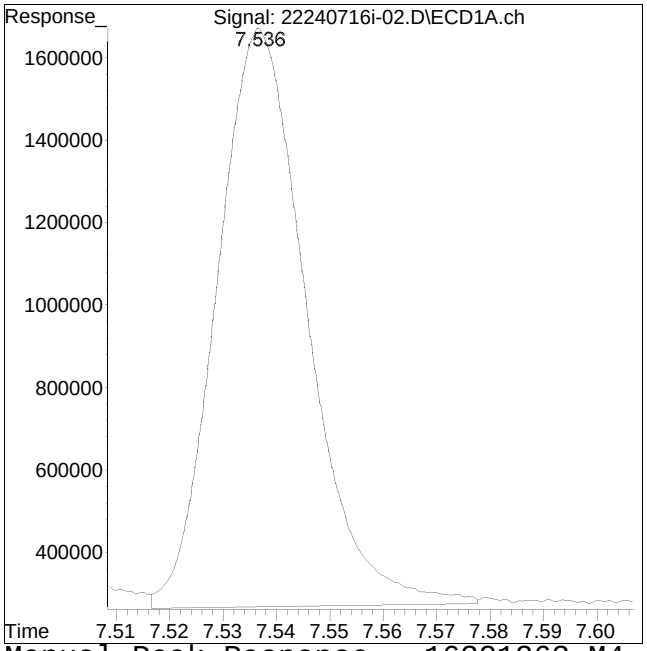
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #6: MCPA



Original Peak Response = 16650085



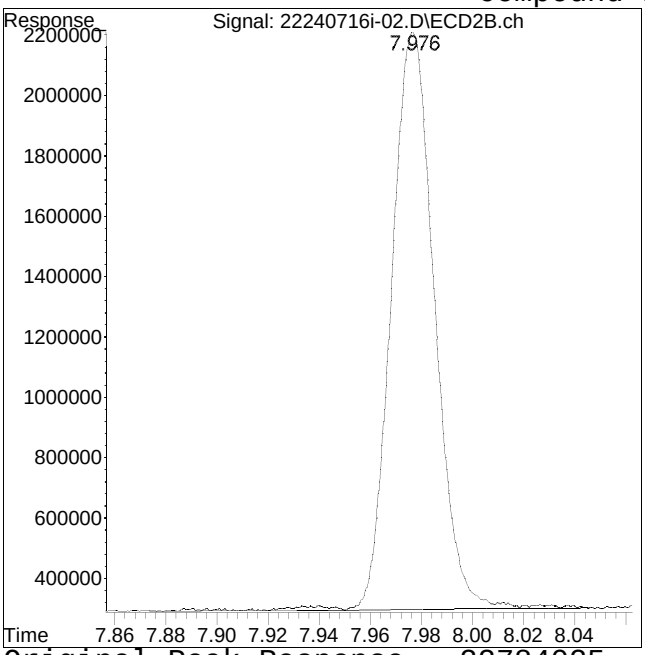
Manual Peak Response = 16321263 M4

M4 = Poor automated baseline construction.

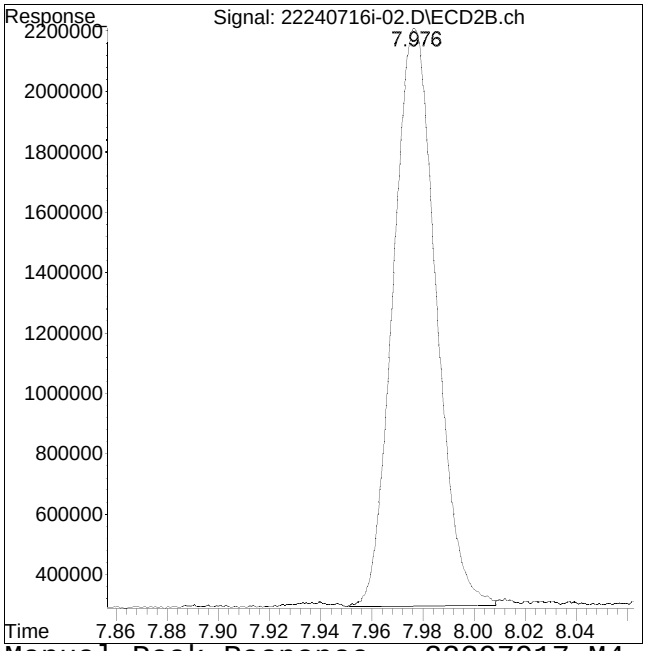
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #19: MCPA #2



Original Peak Response = 22784025



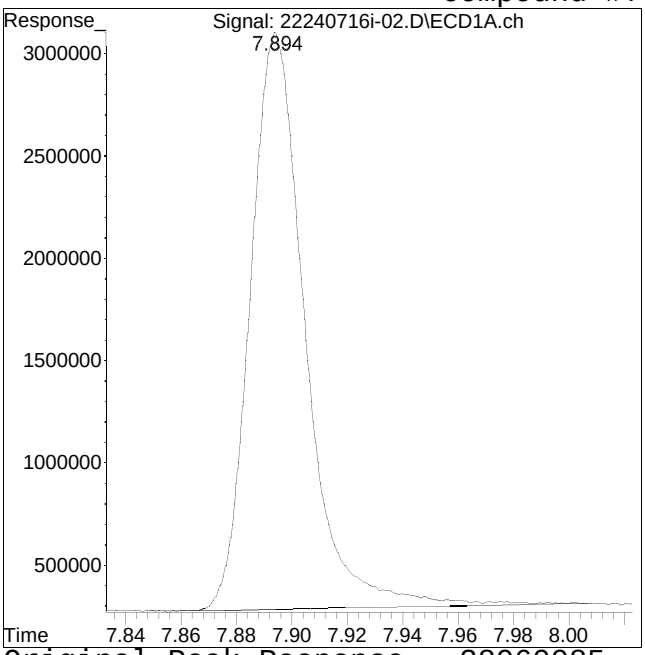
Manual Peak Response = 22297917 M4

M4 = Poor automated baseline construction.

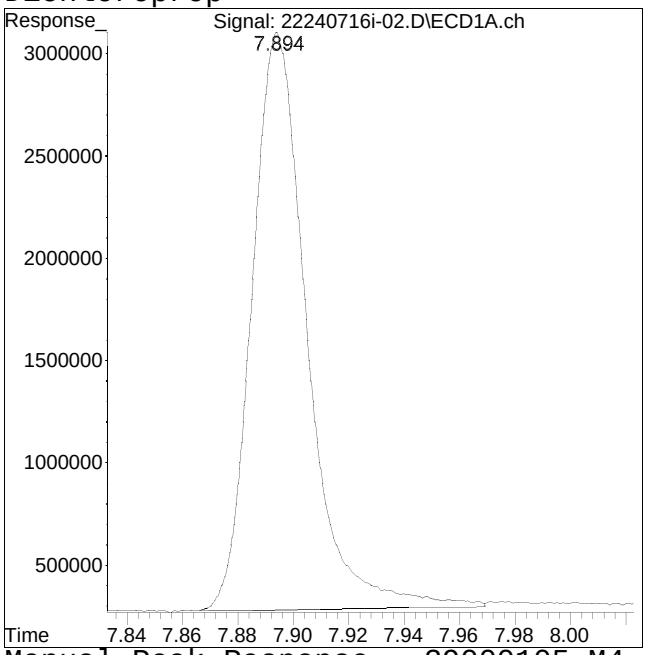
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #7: Dichloroprop



Original Peak Response = 38960085



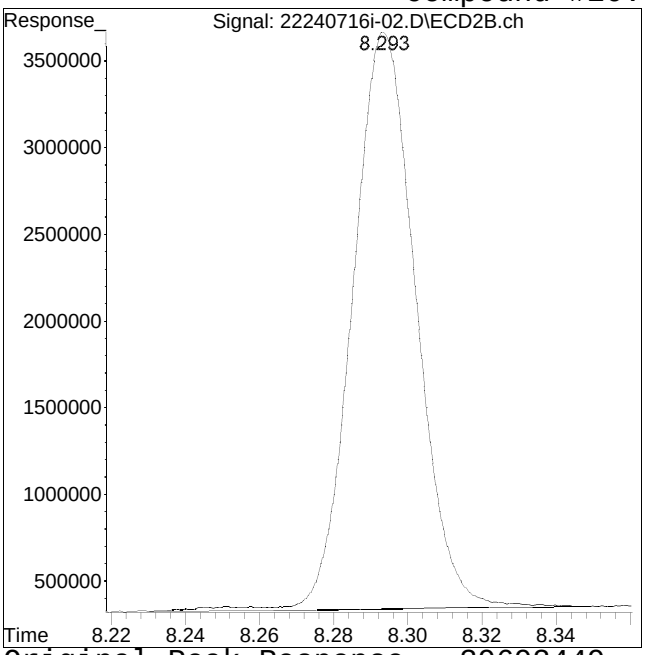
Manual Peak Response = 39000105 M4

M4 = Poor automated baseline construction.

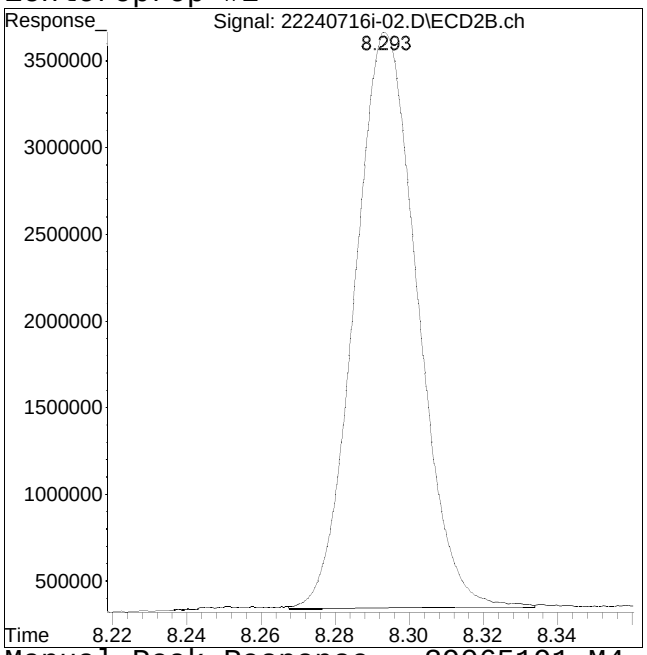
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #20: Dichloroprop #2



Original Peak Response = 39692449



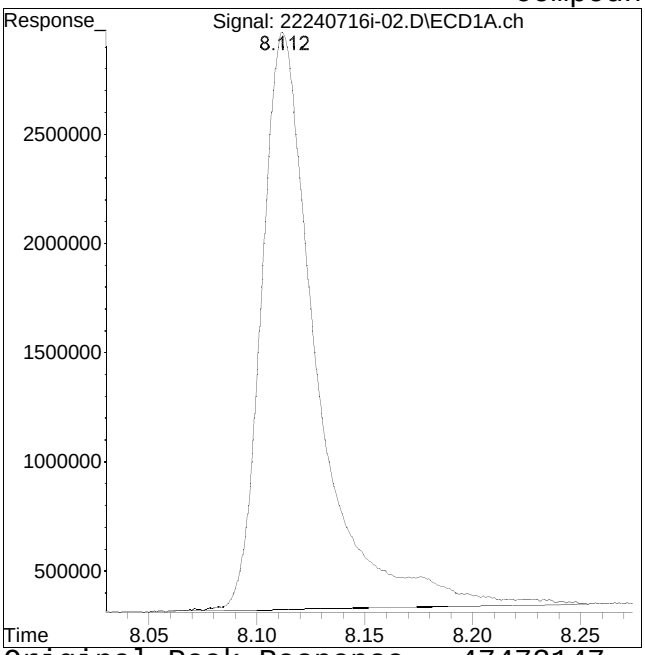
Manual Peak Response = 39065191 M4

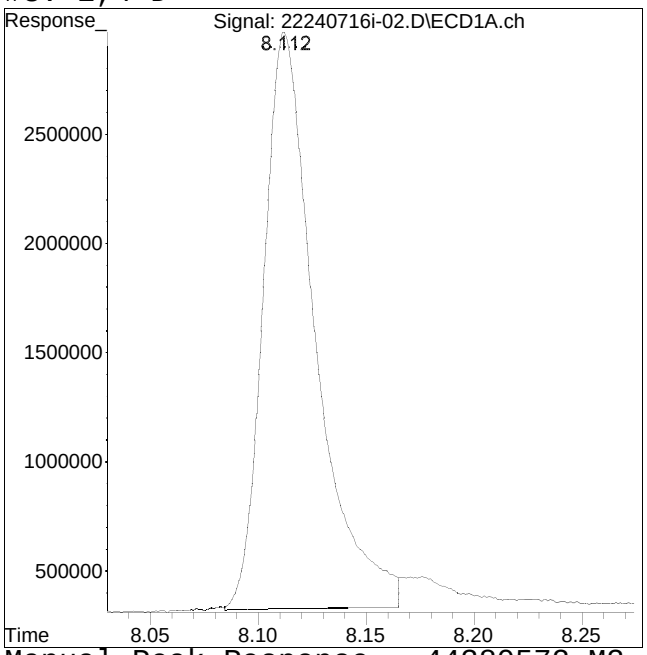
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #8: 2,4-D



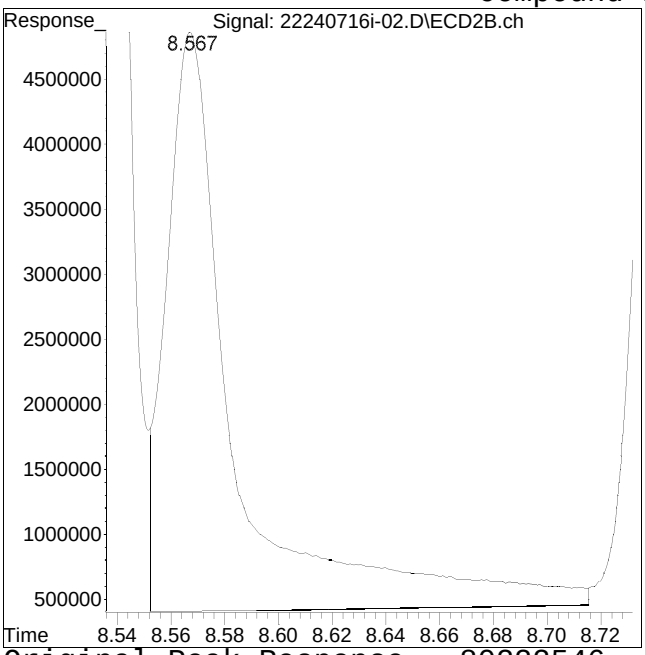


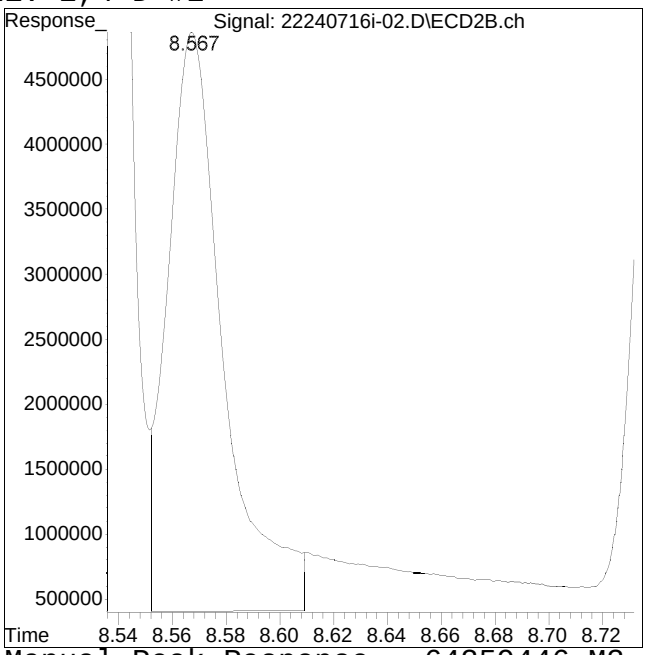
Original Peak Response = 47473147 Manual Peak Response = 44380572 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #21: 2,4-D #2



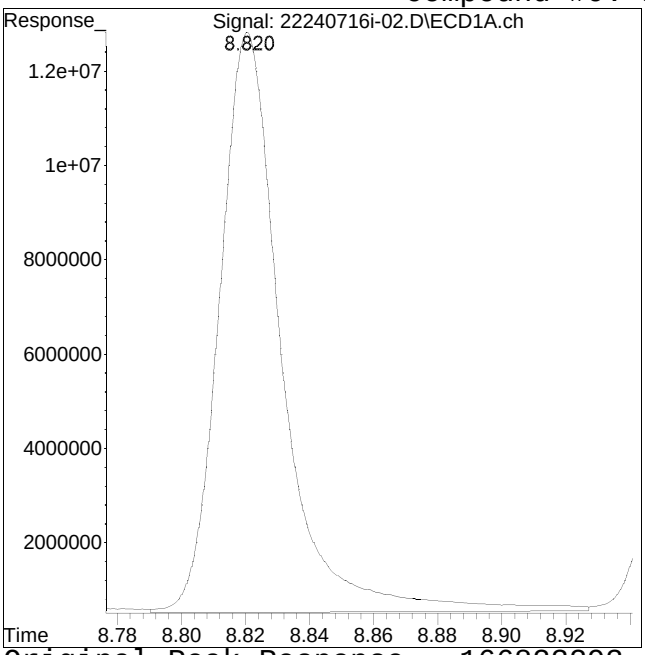


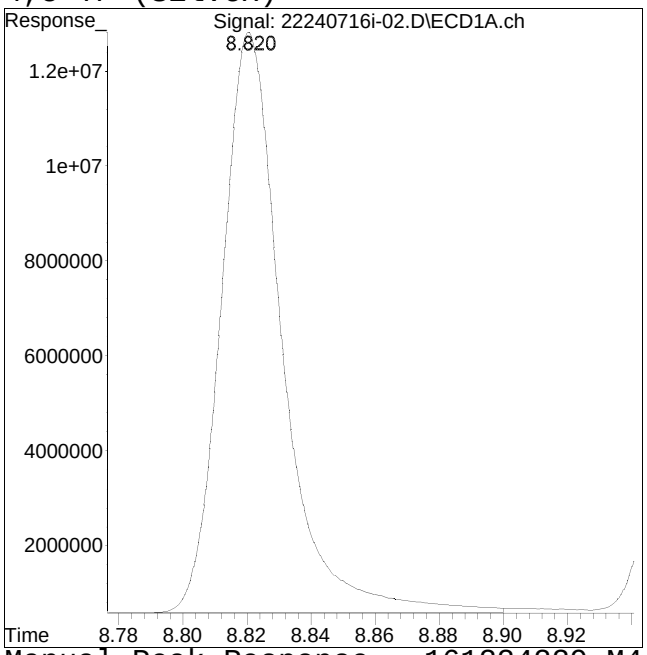
Original Peak Response = 80222546 Manual Peak Response = 64259446 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q Method : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0 Quant Date : 7/16/2024 6:44 pm

Compound #9: 2,4,5-TP (Silvex)



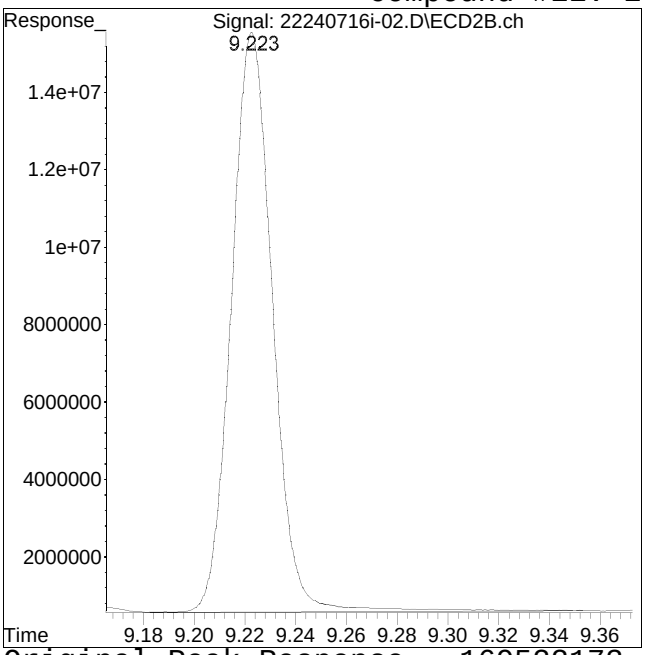


Original Peak Response = 166823293 Manual Peak Response = 161224229 M4
M4 = Poor automated baseline construction.

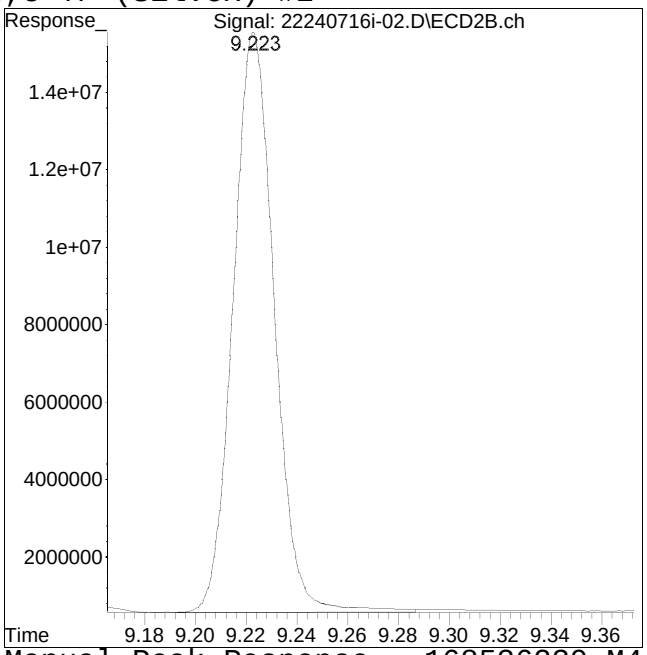
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 169522173



Manual Peak Response = 168536230 M4

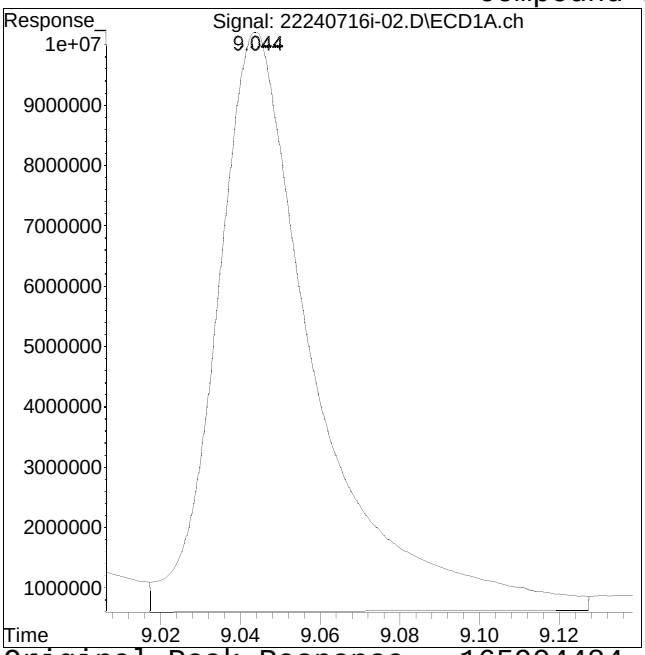
M4 = Poor automated baseline construction.

Manual Integration Report

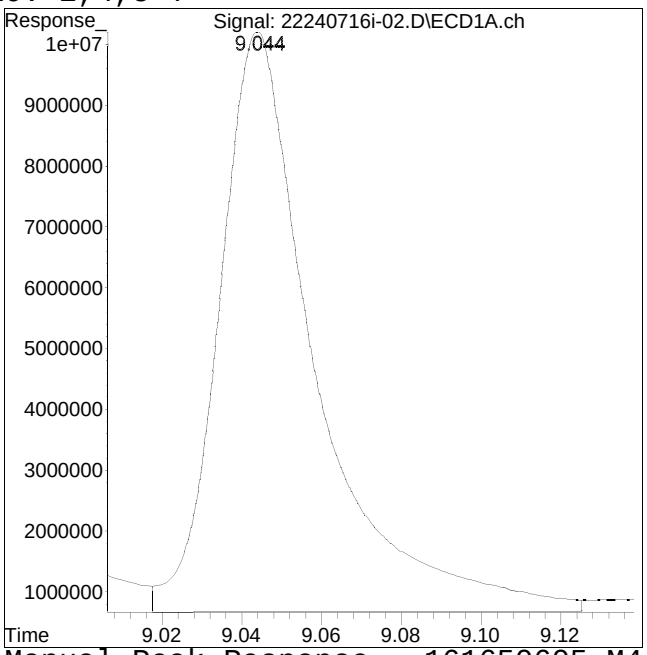
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #10: 2,4,5-T



Original Peak Response = 165904484



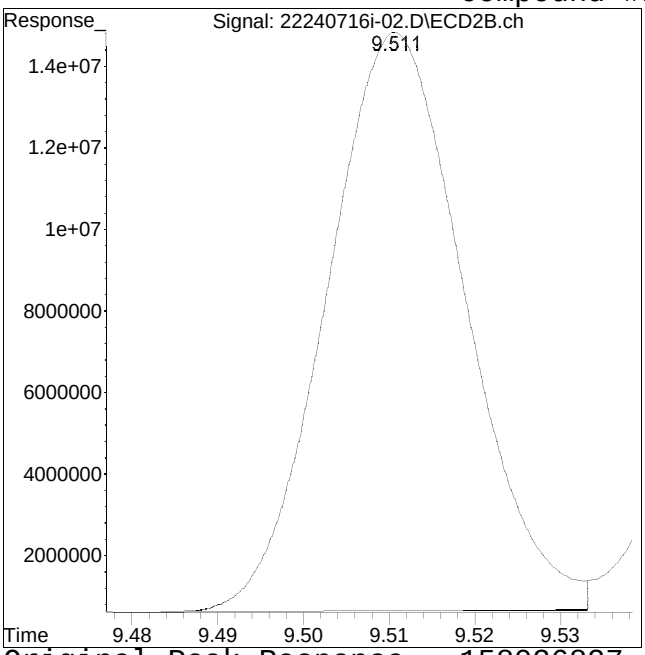
Manual Peak Response = 161650605 M4

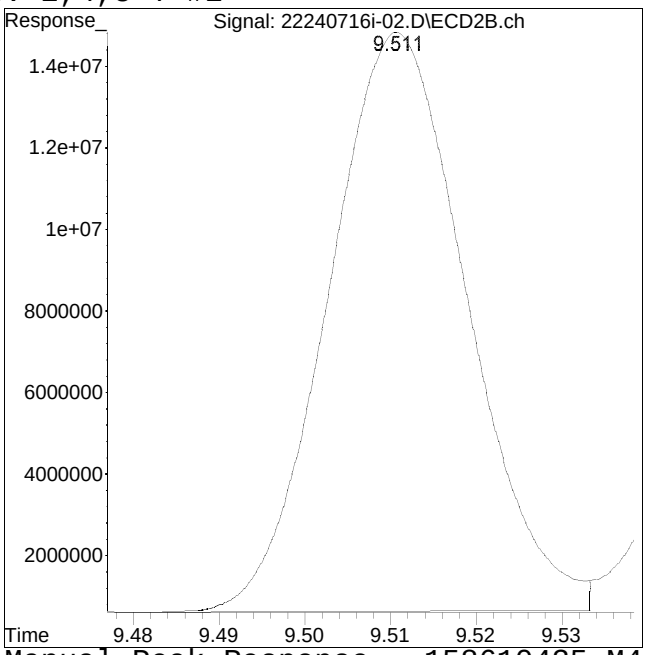
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #23: 2,4,5-T #2



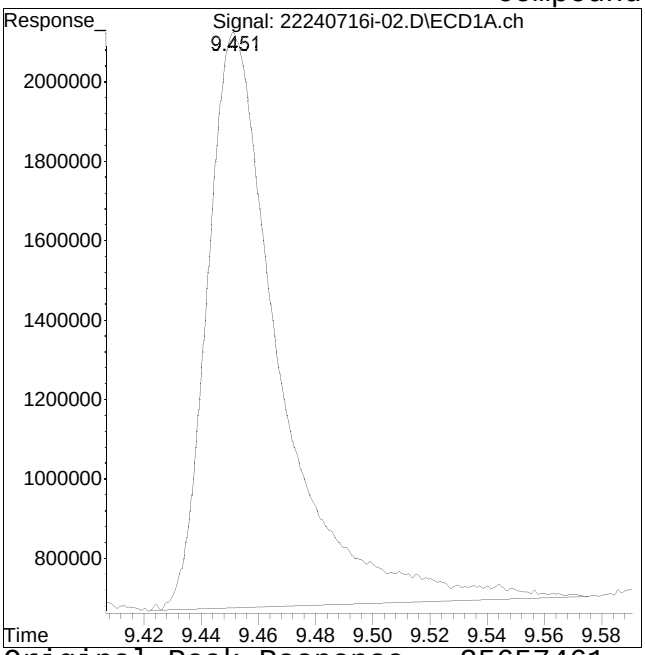


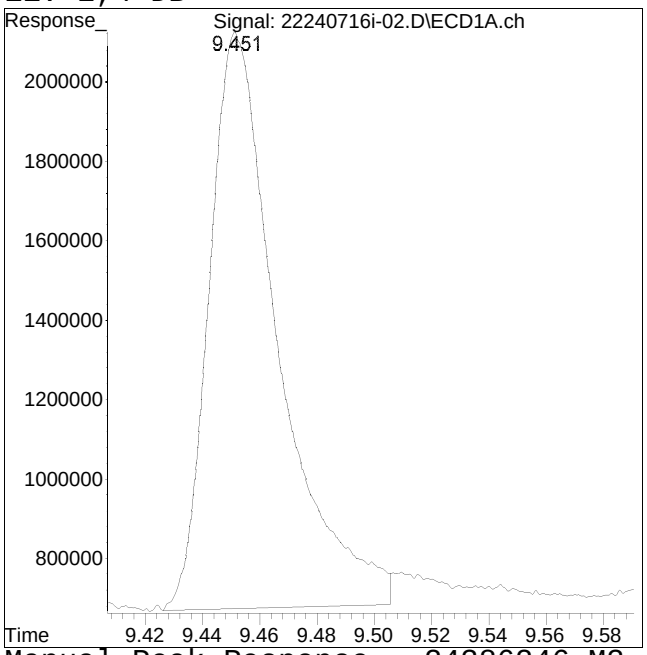
Original Peak Response = 158026827 Manual Peak Response = 158610435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #11: 2,4-DB



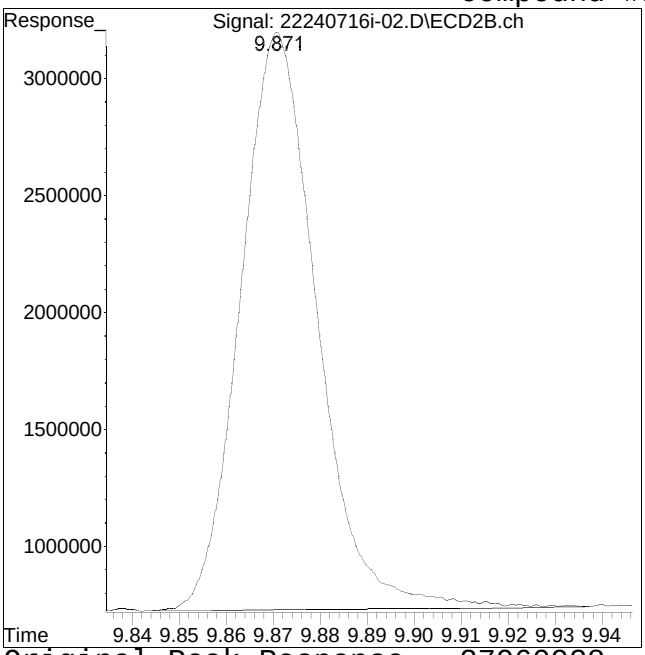


Original Peak Response = 25657461 Manual Peak Response = 24386246 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

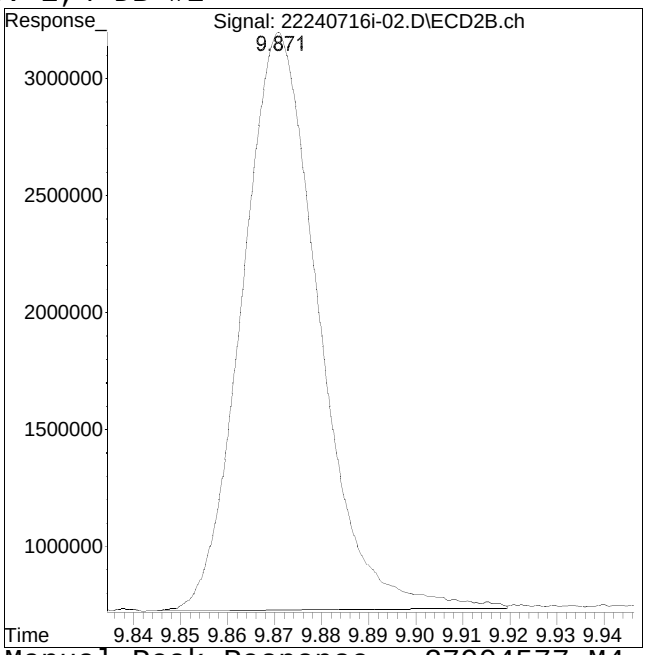
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #24: 2,4-DB #2



Original Peak Response = 27960928



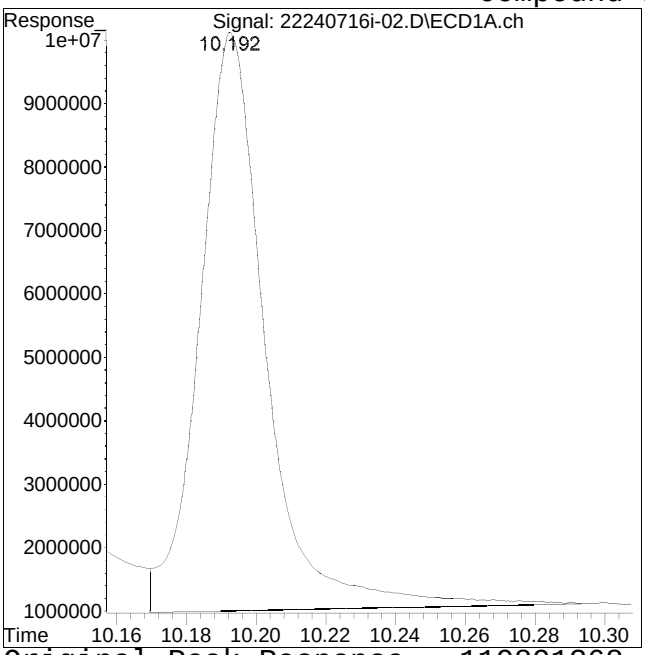
Manual Peak Response = 27904577 M4

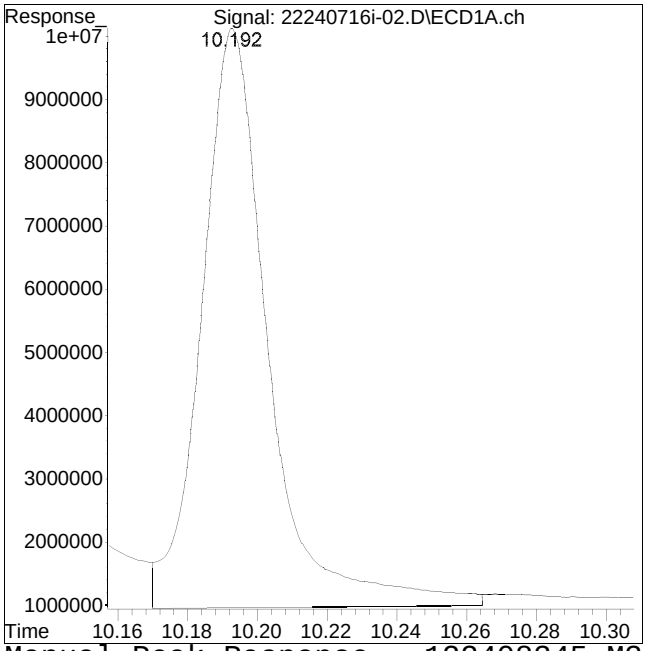
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-02.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:28 Instrument : Pest22
Sample : il1herb,42e,,pp 11633 L0.0Quant Date : 7/16/2024 6:44 pm

Compound #12: Dinoseb



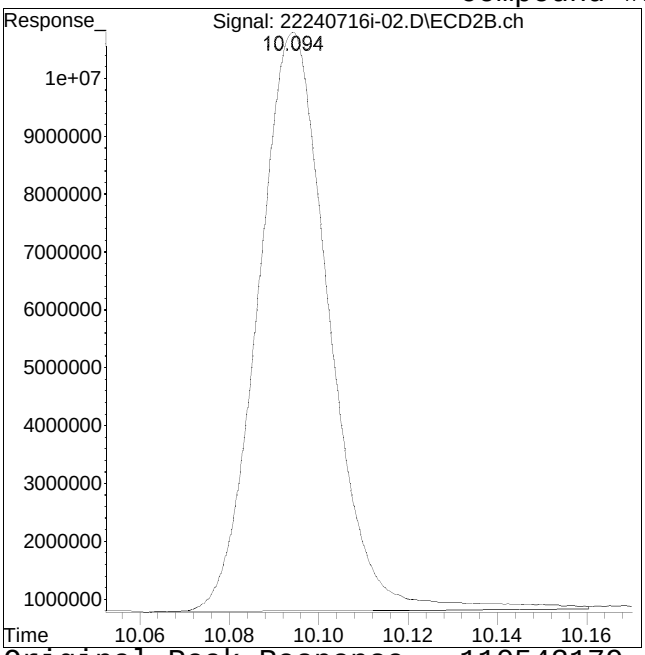


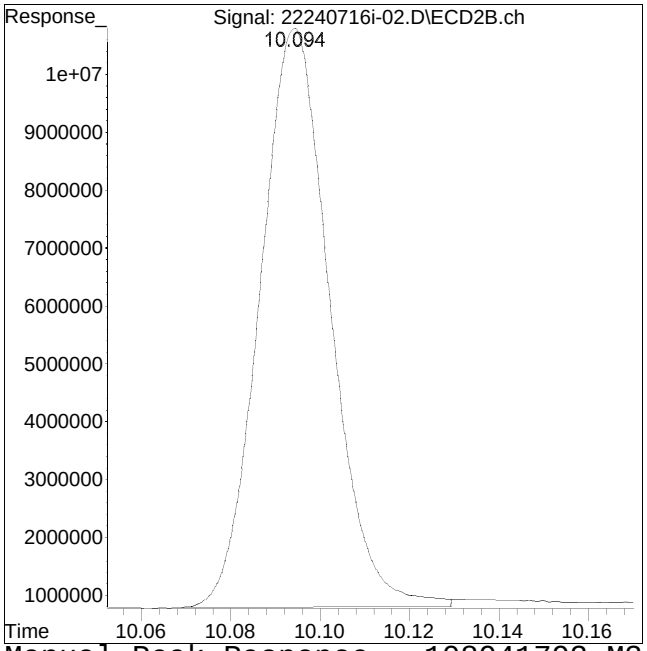
Original Peak Response = 119891368 Manual Peak Response = 122408345 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-02.D
Date Inj'd : 7/16/2024 15:28
Sample : il1herb,42e,,pp 11633 L0.0
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:44 pm

Compound #25: Dinoseb #2





Original Peak Response = 110542179 Manual Peak Response = 108941793 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.546	8.526	918.5E6	936.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.007	7.459	75863528	78124435	0.116M4	0.118M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	23.20%#	23.60%#
		Target Compounds						
2)	t	Dalapon	2.414	2.402	85745829	88051472	0.111M3	0.119M3
4)	t	Dicamba	7.188	7.639	220.0E6	223.3E6	0.115M4	0.112M4
5)	t	MCPP	7.388	7.750	14143065	20270945	7.959	8.901M4
6)	t	MCPA	7.534	7.976	32410581	40968503	10.750M4	11.191M4
7)	t	Dichloroprop	7.891	8.294	71294841	71521276	0.119M4	0.115M4
8)	t	2,4-D	8.107	8.567	84022340	117.4E6	0.113M4	0.143M3
9)	t	2,4,5-TP (Si	8.818	9.223	309.7E6	319.6E6	0.111M4	0.111M3
10)	t	2,4,5-T	9.040	9.511	312.6E6	301.3E6	0.111M3	0.110
11)	t	2,4-DB	9.448	9.871	46810778	51679888	0.115M4	0.113
12)	t	Dinoseb	10.191	10.094	229.0E6	206.3E6	0.116M3	0.112M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

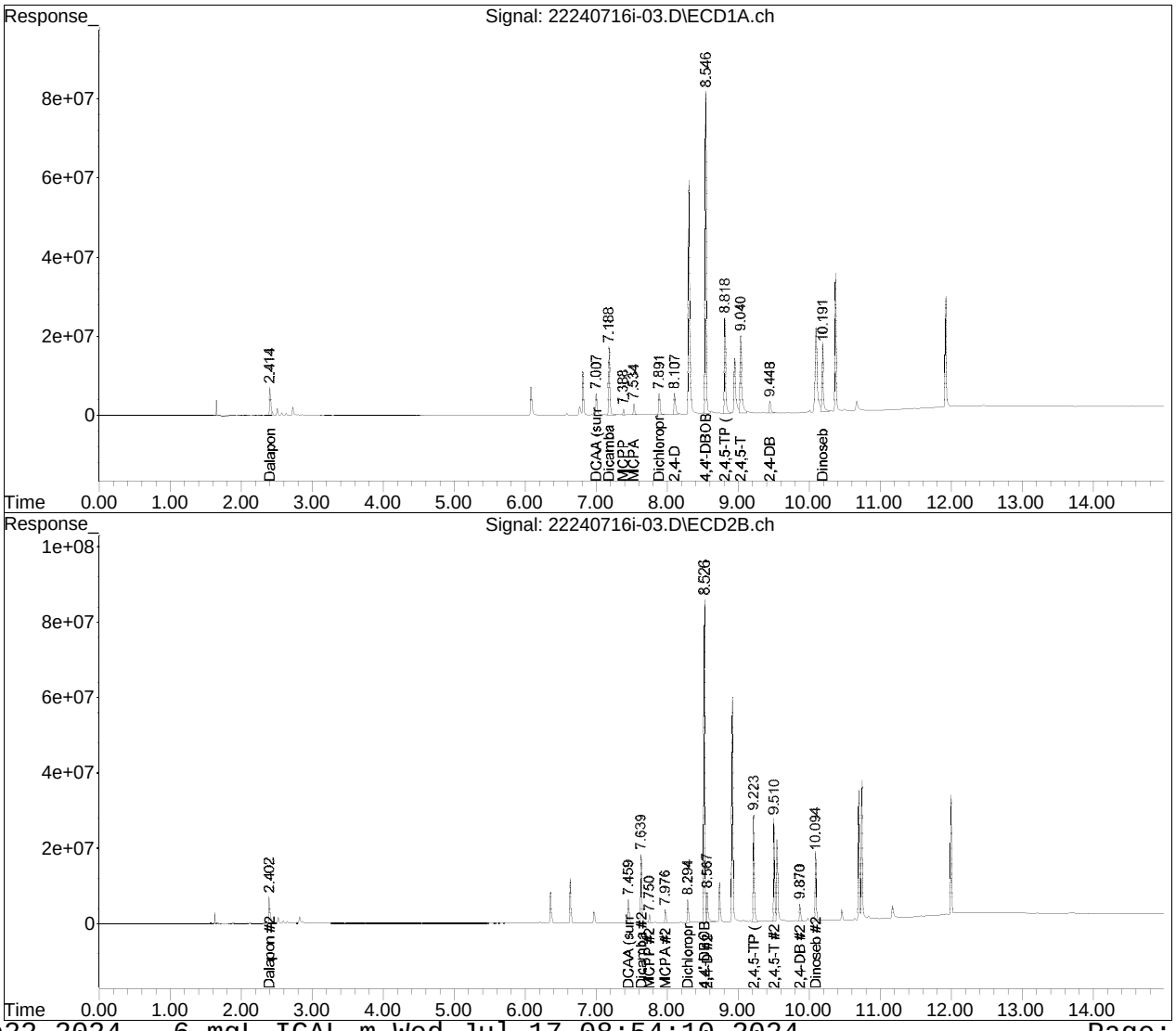
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-03.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 15:47
Operator : pest22:ejl
Sample : il2herb,42e,,pp 11632 L0.1/10
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:42:00 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:41:20 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

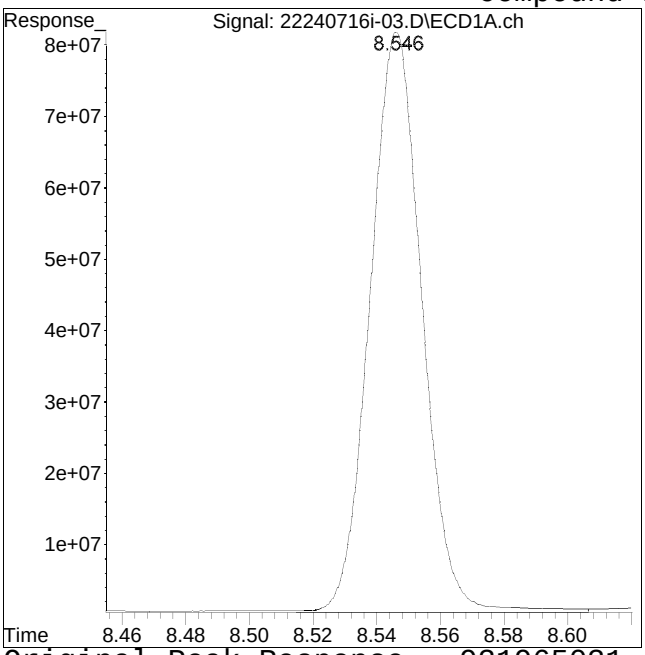


Manual Integration Report

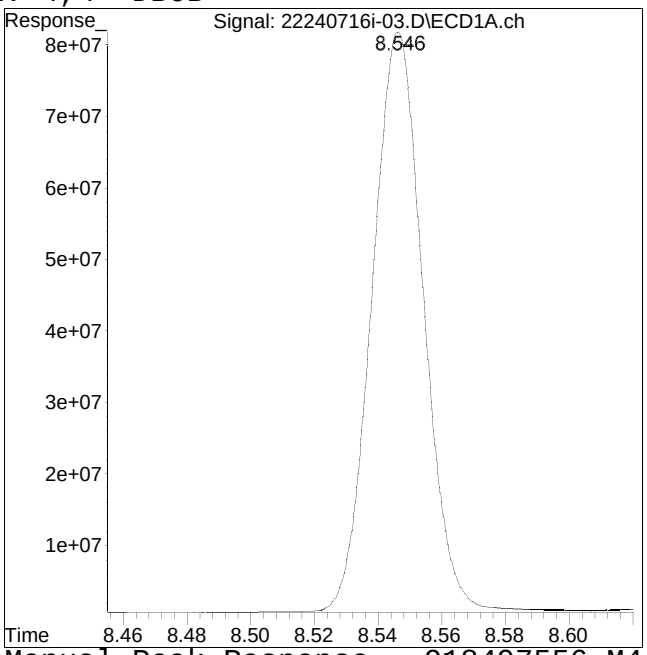
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 931965031



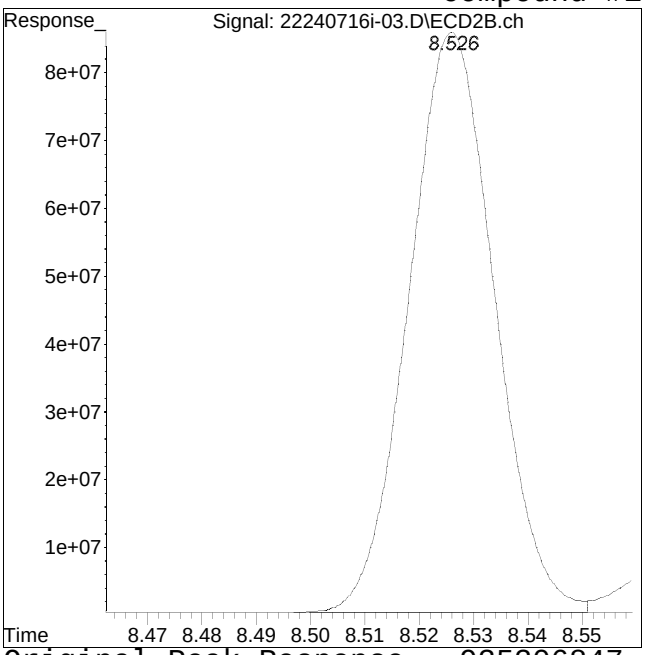
Manual Peak Response = 918497556 M4

M4 = Poor automated baseline construction.

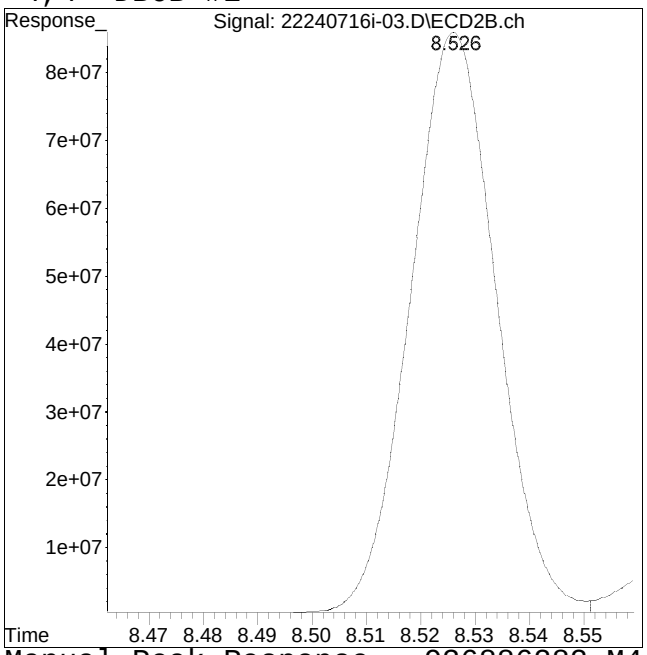
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 935306847



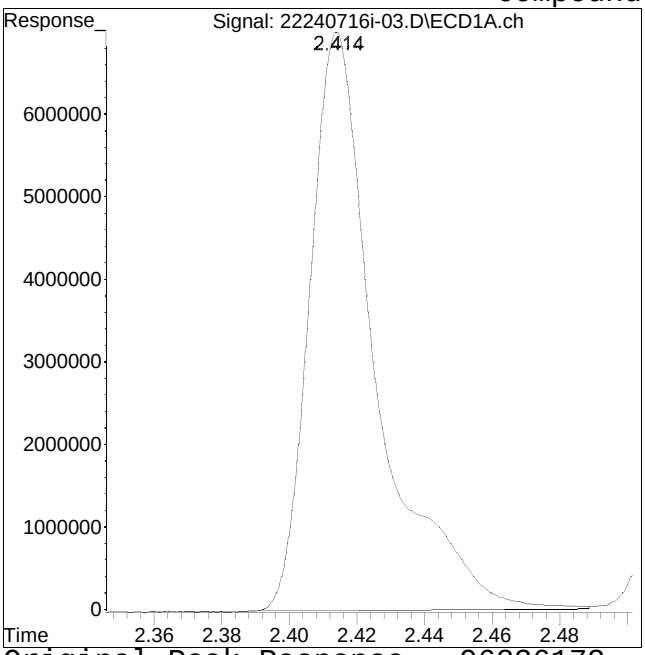
Manual Peak Response = 936886282 M4

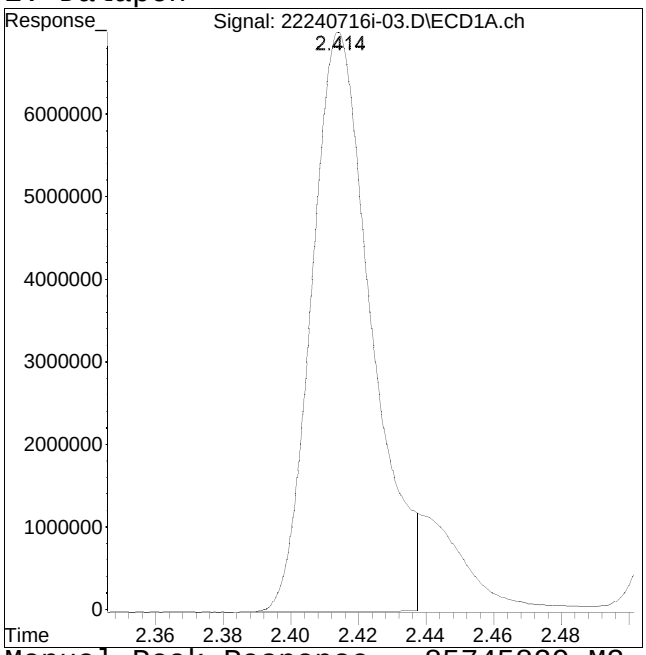
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #2: Dalapon



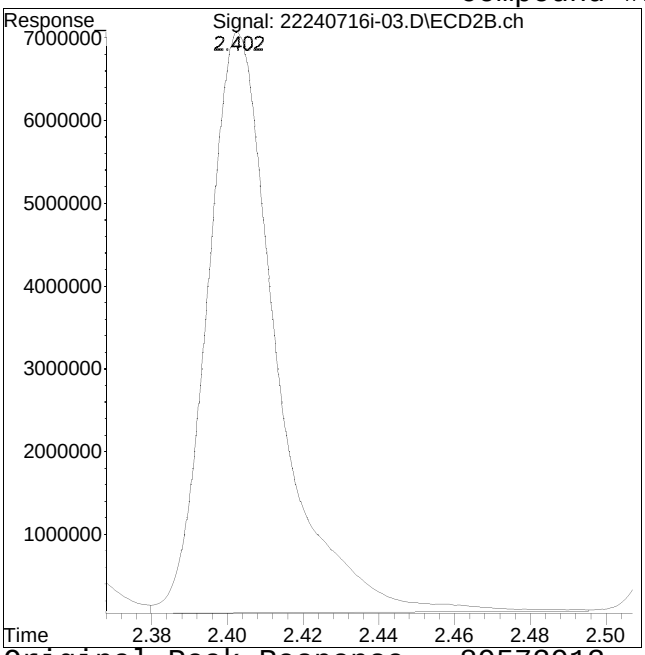


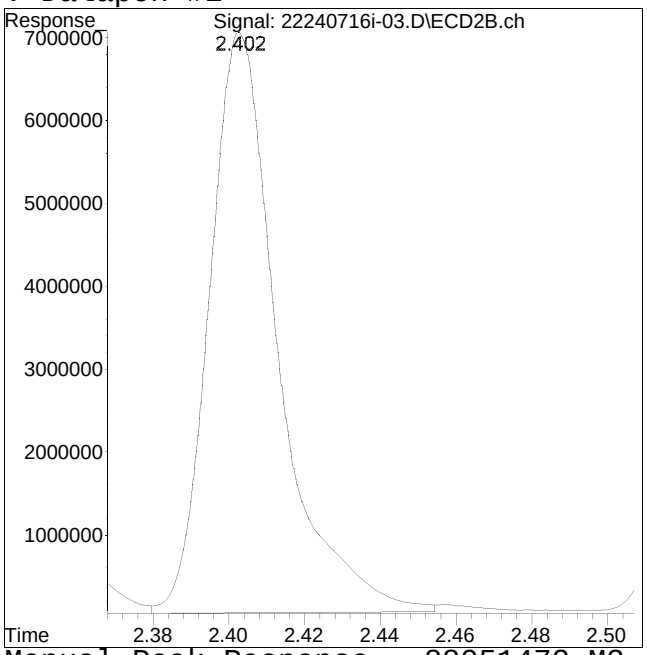
Original Peak Response = 96236172 Manual Peak Response = 85745829 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #15: Dalapon #2



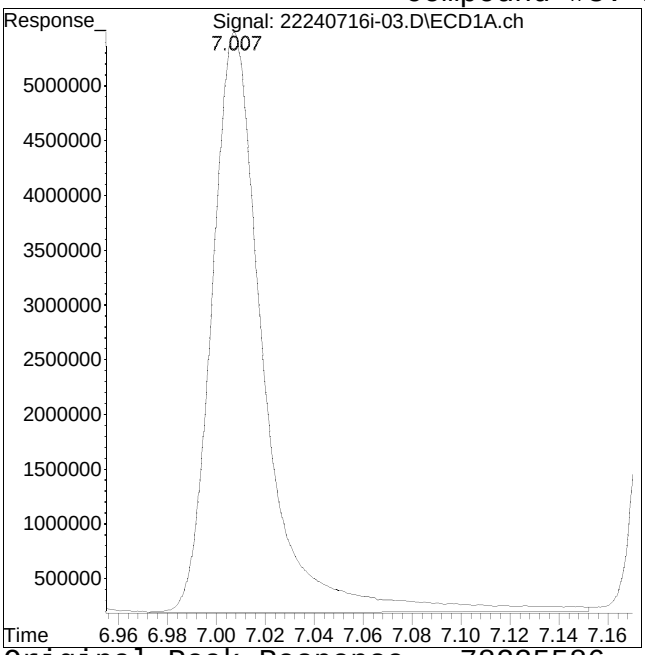


Original Peak Response = 89573913 Manual Peak Response = 88051472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

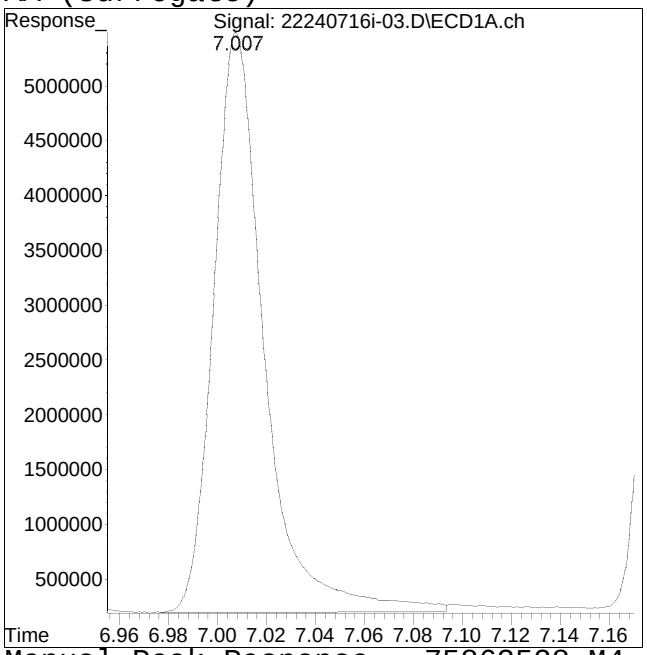
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 78235586



Manual Peak Response = 75863528 M4

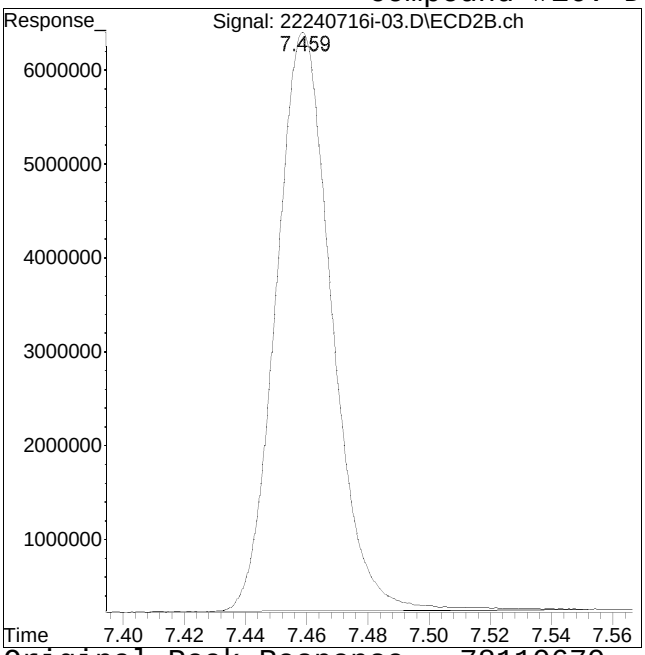
M4 = Poor automated baseline construction.

Manual Integration Report

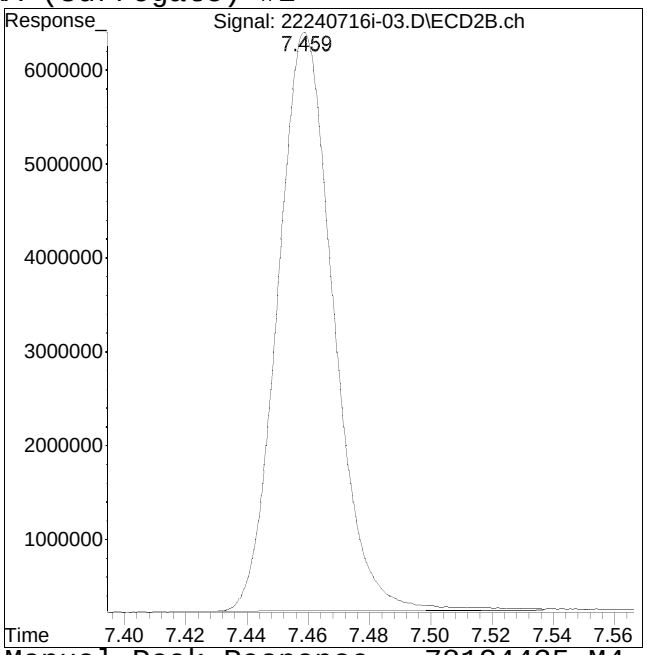
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 78110670



Manual Peak Response = 78124435 M4

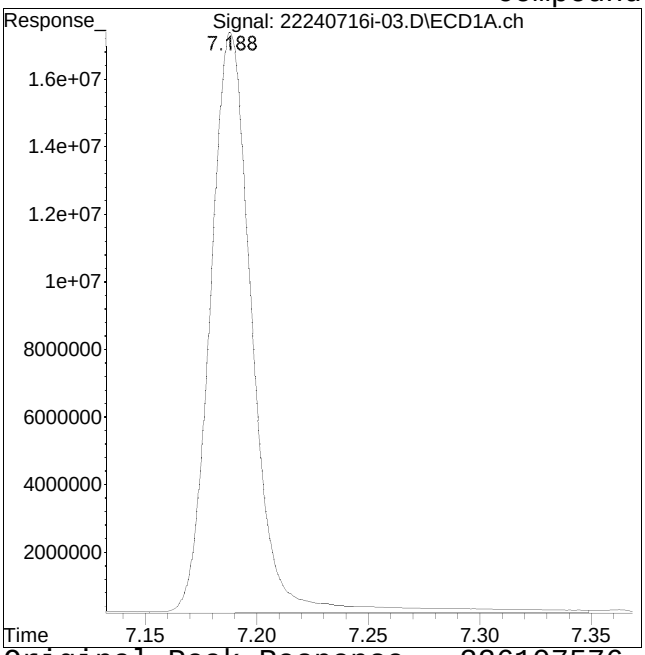
M4 = Poor automated baseline construction.

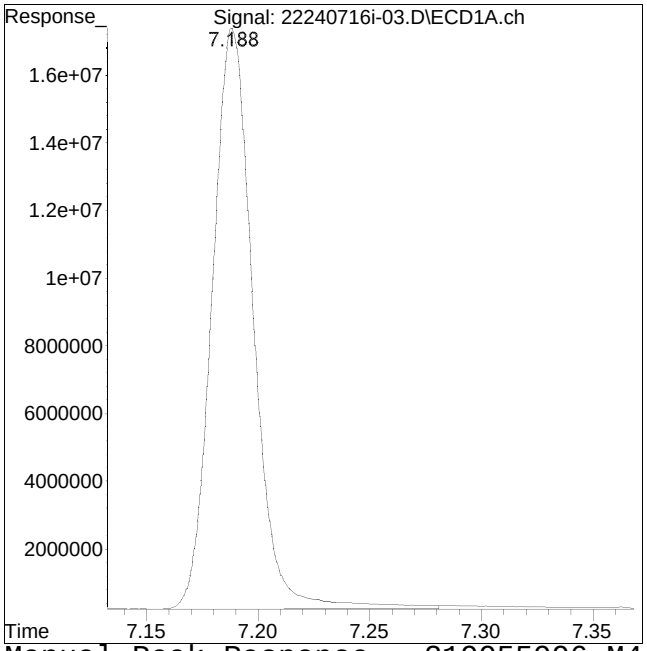
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #4: Dicamba



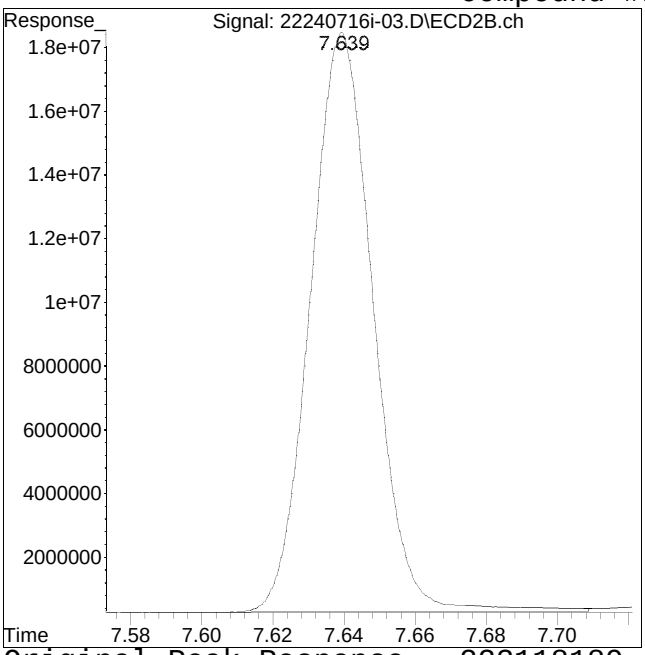


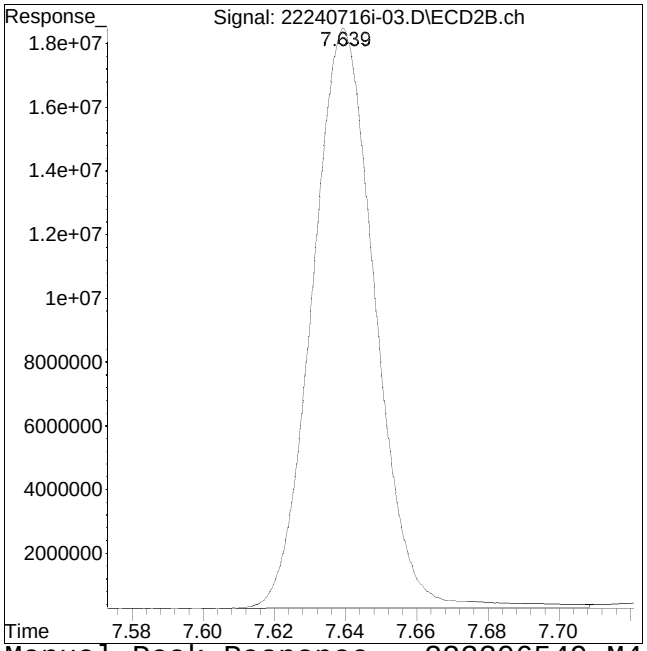
Original Peak Response = 226107576 Manual Peak Response = 219955996 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #17: Dicamba #2





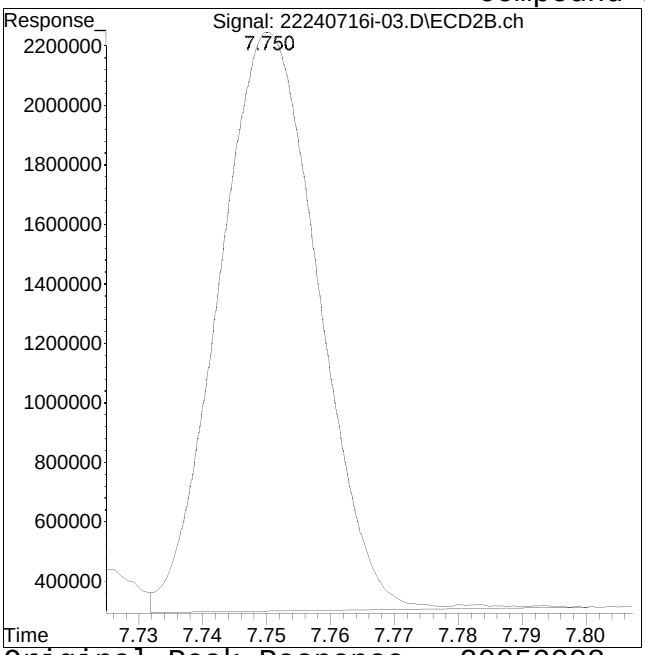
Original Peak Response = 223118189 Manual Peak Response = 223306549 M4
M4 = Poor automated baseline construction.

Manual Integration Report

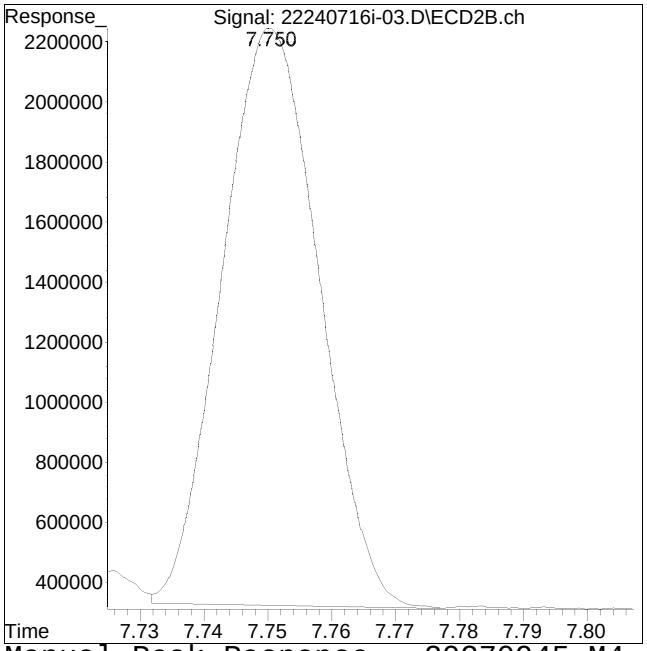
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #18: MCPP #2



Original Peak Response = 20950998



Manual Peak Response = 20270945 M4

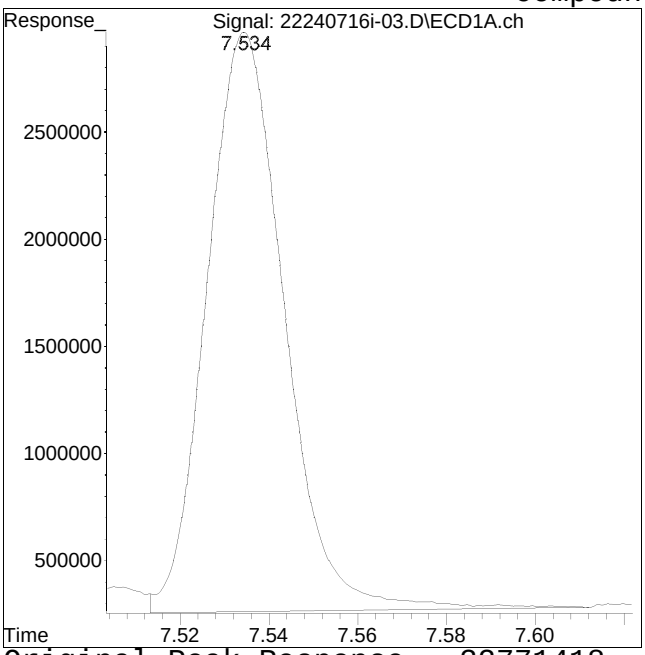
M4 = Poor automated baseline construction.

Manual Integration Report

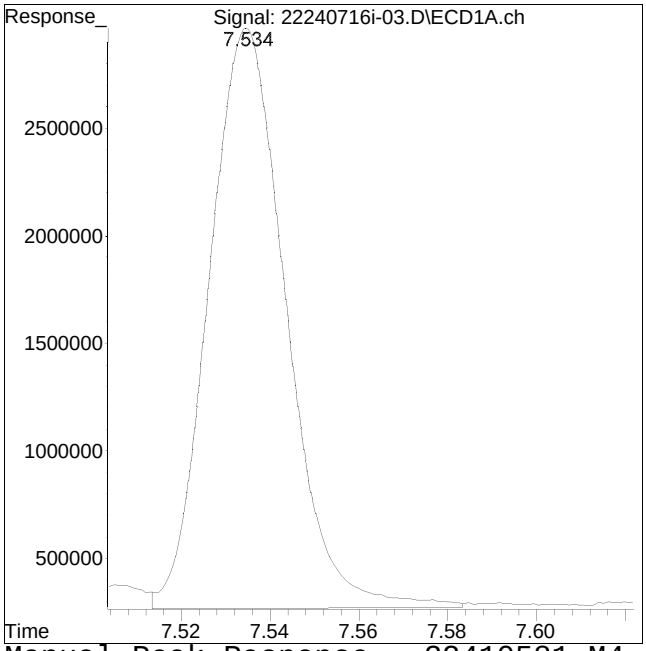
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #6: MCPA



Original Peak Response = 32771418



Manual Peak Response = 32410581 M4

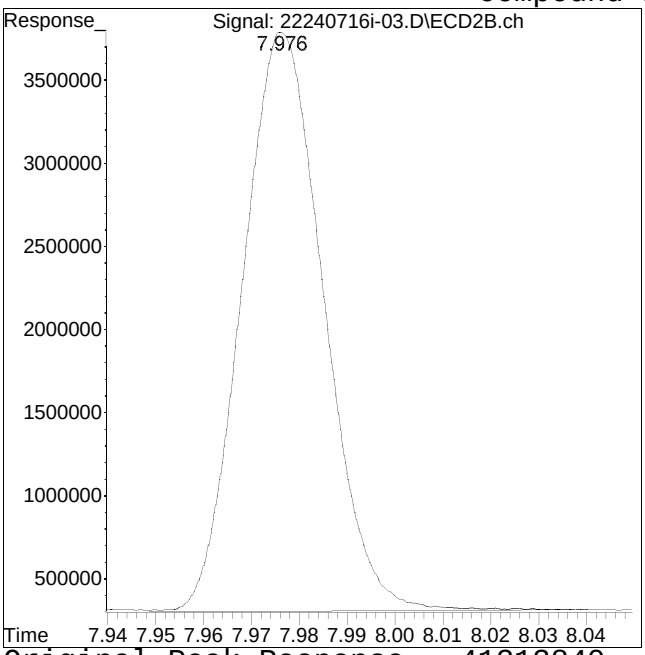
M4 = Poor automated baseline construction.

Manual Integration Report

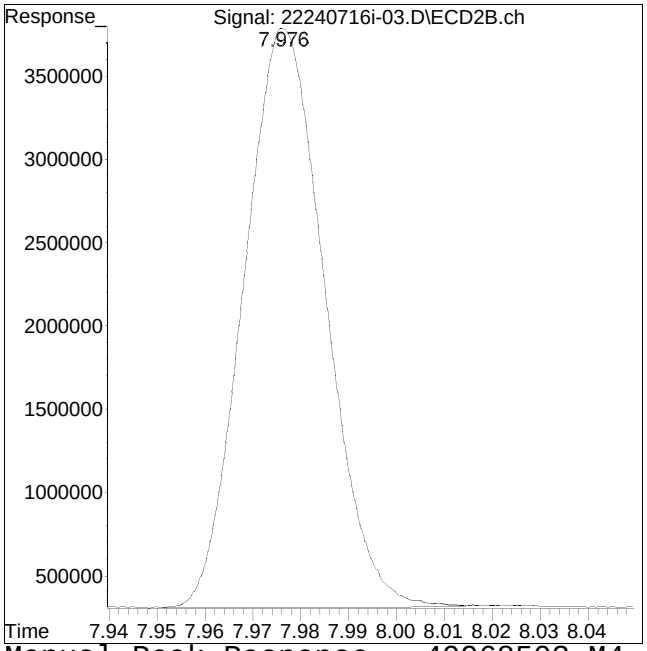
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #19: MCPA #2



Original Peak Response = 41313840



Manual Peak Response = 40968503 M4

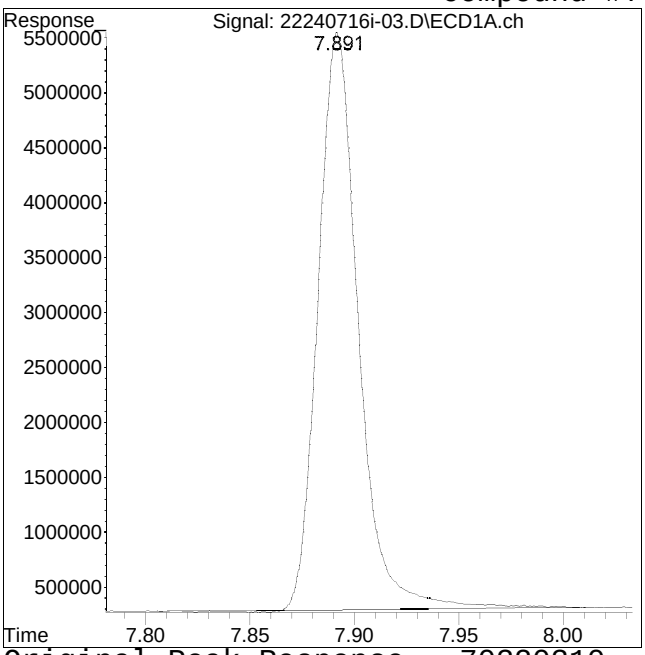
M4 = Poor automated baseline construction.

Manual Integration Report

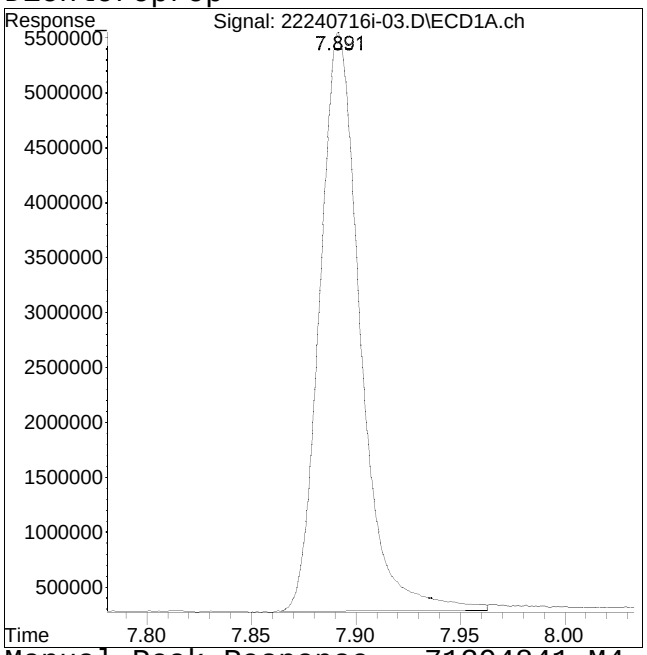
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-03.D
Date Inj'd : 7/16/2024 15:47
Sample : il2herb,42e,,pp 11632 L0.1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:42 pm

Compound #7: Dichloroprop



Original Peak Response = 70320310



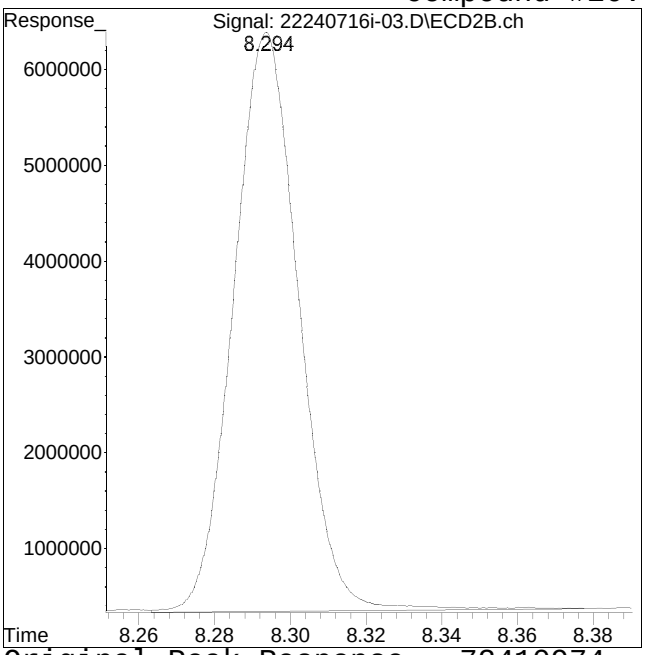
Manual Peak Response = 71294841 M4

M4 = Poor automated baseline construction.

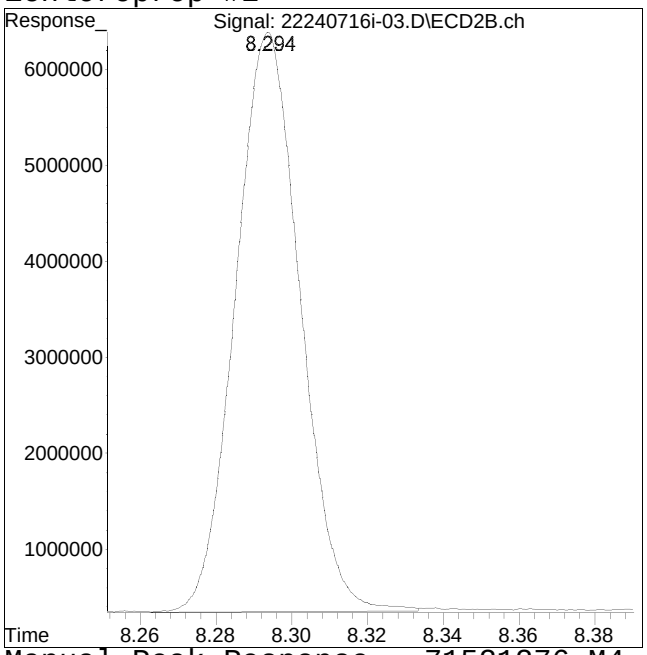
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #20: Dichloroprop #2



Original Peak Response = 72410974



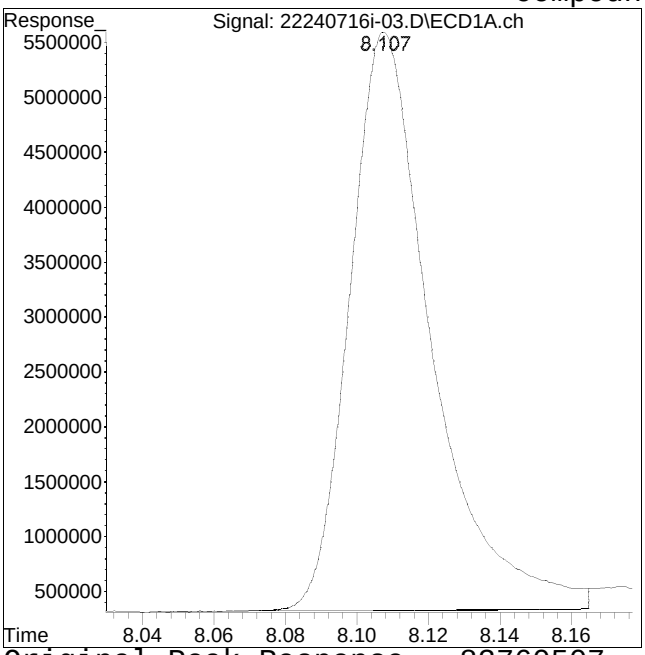
Manual Peak Response = 71521276 M4

M4 = Poor automated baseline construction.

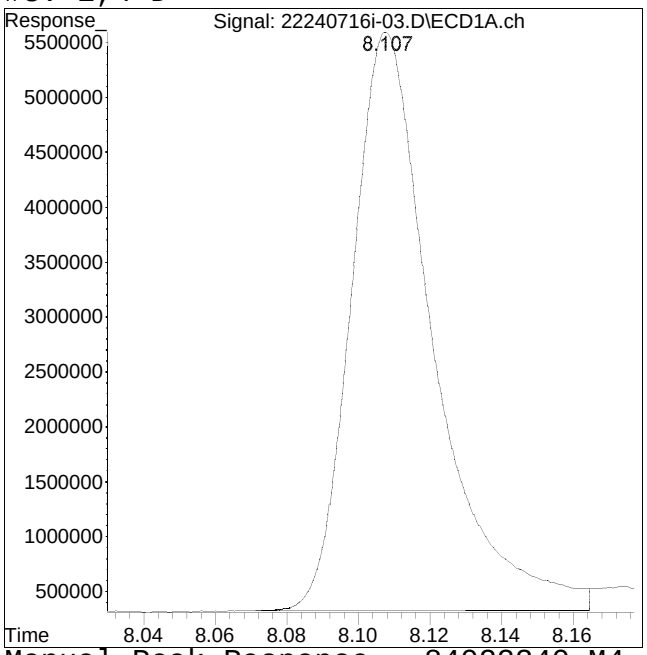
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #8: 2,4-D



Original Peak Response = 83760507



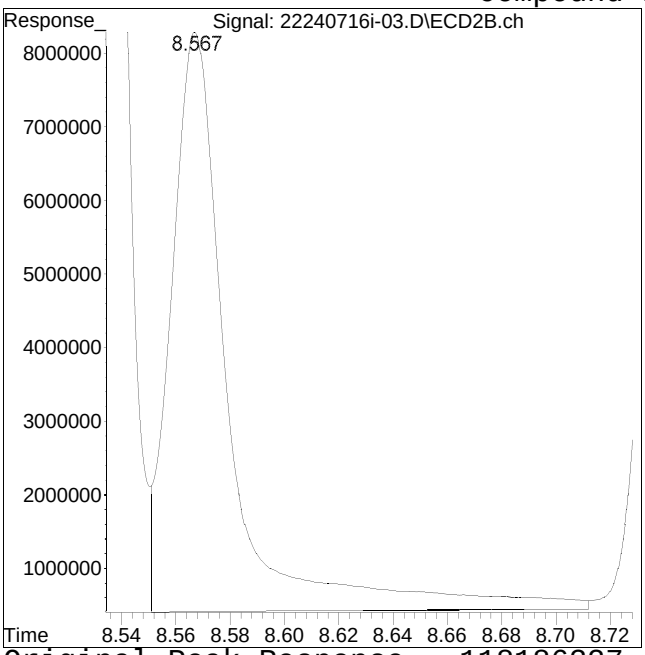
Manual Peak Response = 84022340 M4

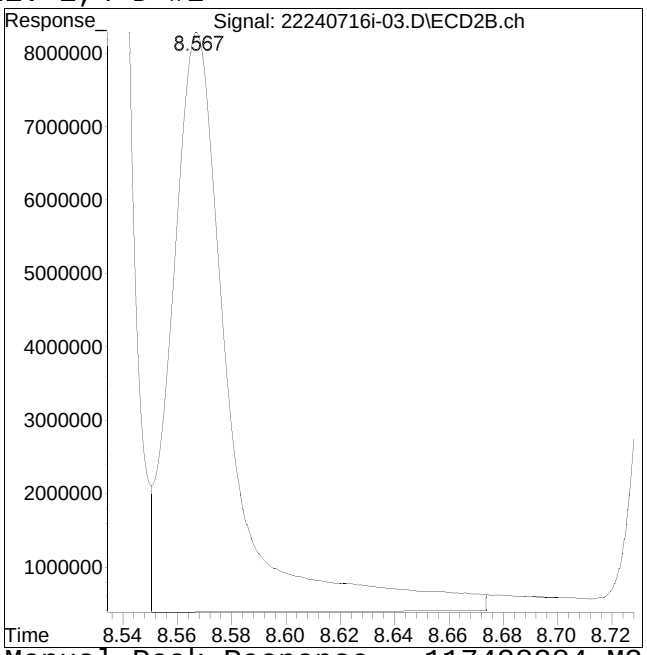
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #21: 2,4-D #2



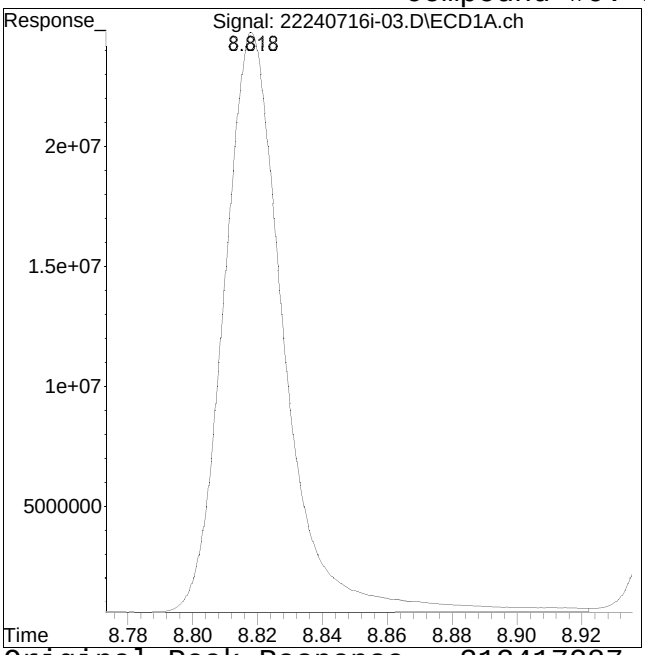


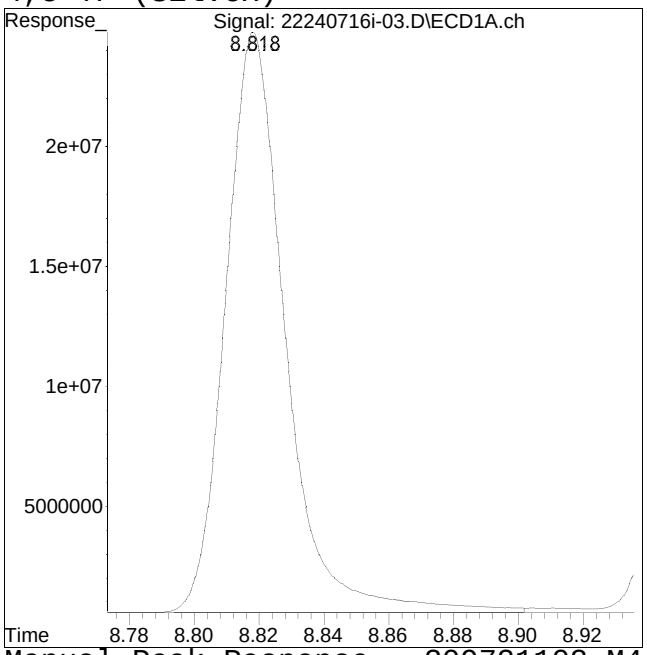
Original Peak Response = 118186327 Manual Peak Response = 117428284 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #9: 2,4,5-TP (Silvex)



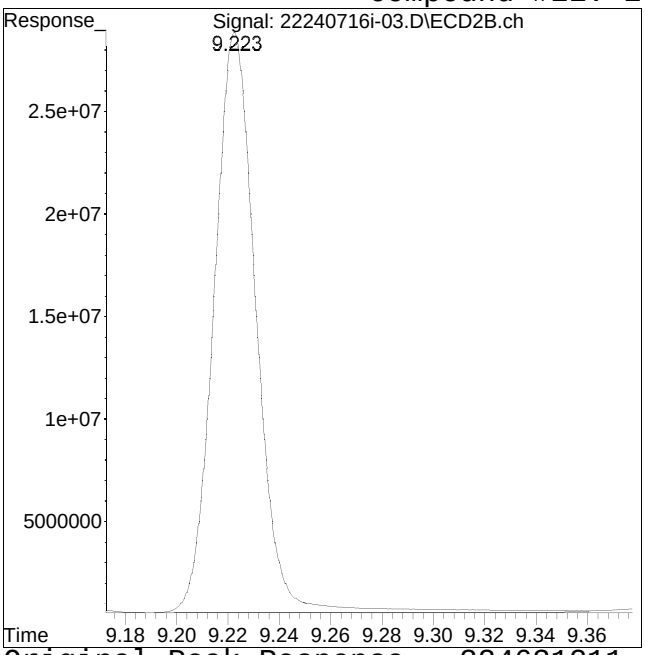


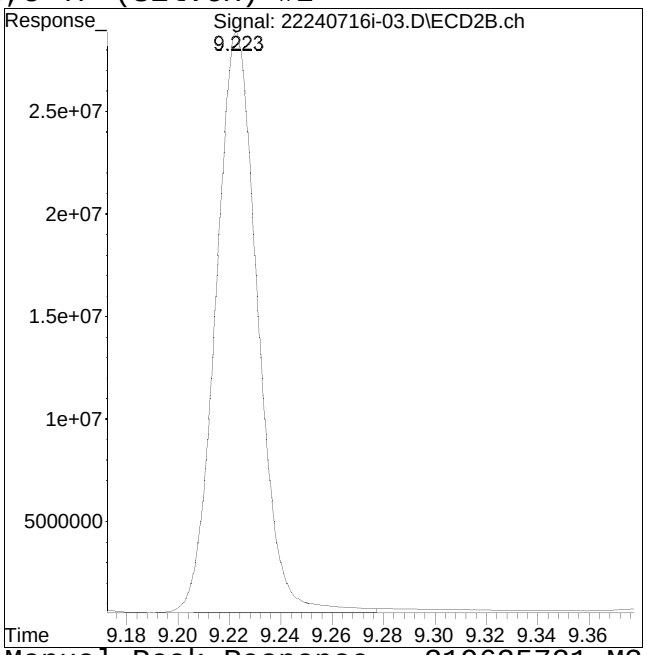
Original Peak Response = 312417287 Manual Peak Response = 309721102 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #22: 2,4,5-TP (Silvex) #2



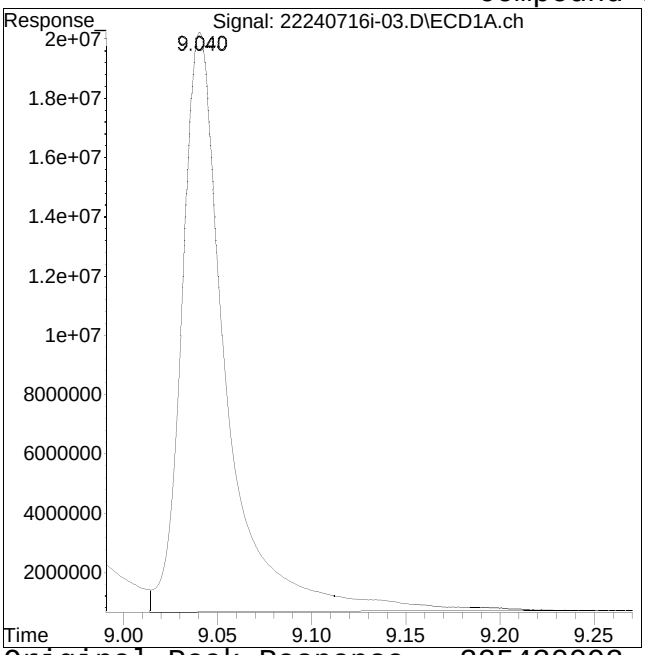


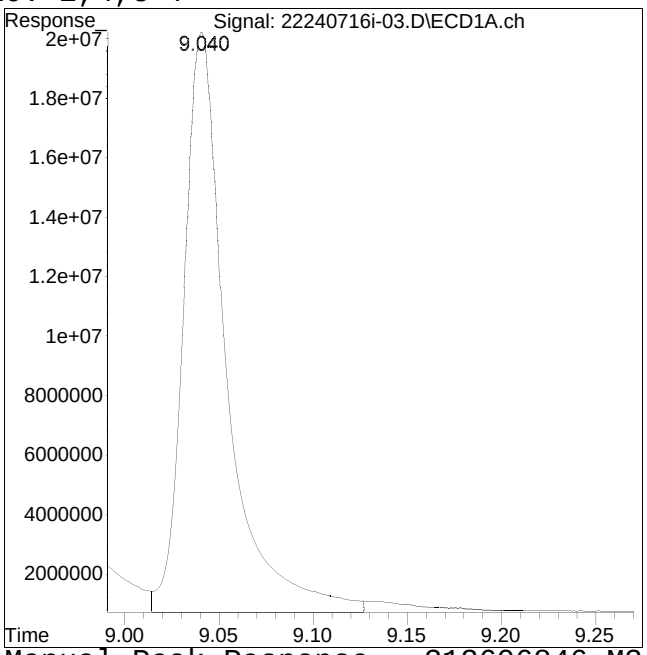
Original Peak Response = 324631211 Manual Peak Response = 319635721 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #10: 2,4,5-T



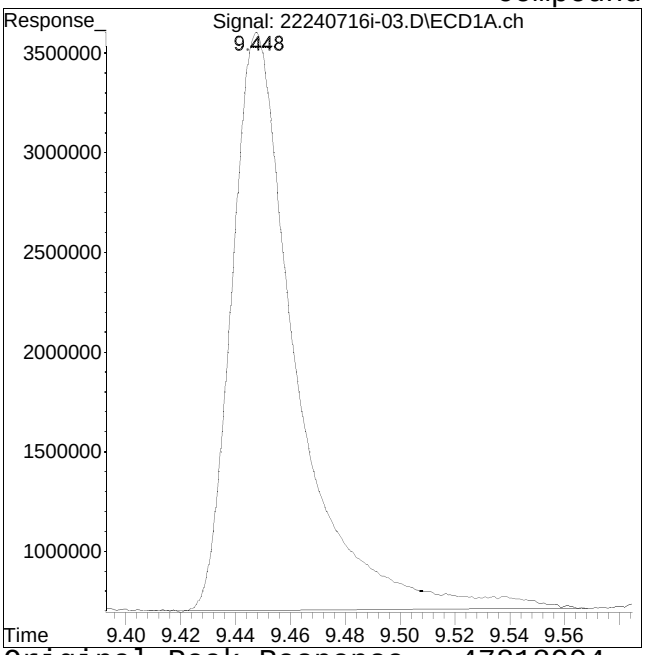


Original Peak Response = 325430993 Manual Peak Response = 312606846 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

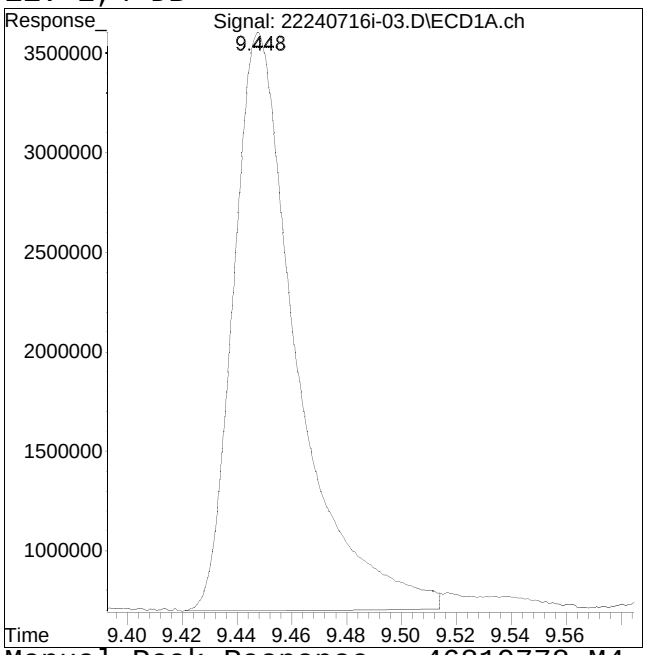
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #11: 2,4-DB



Original Peak Response = 47818994



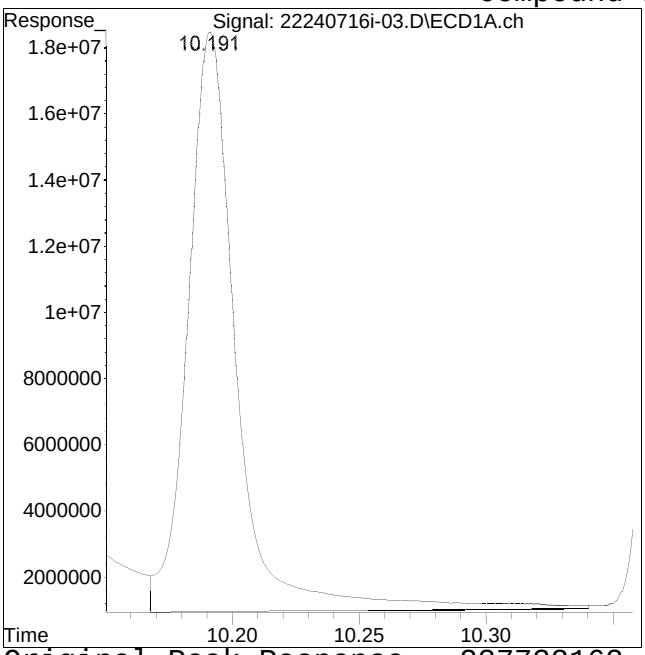
Manual Peak Response = 46810778 M4

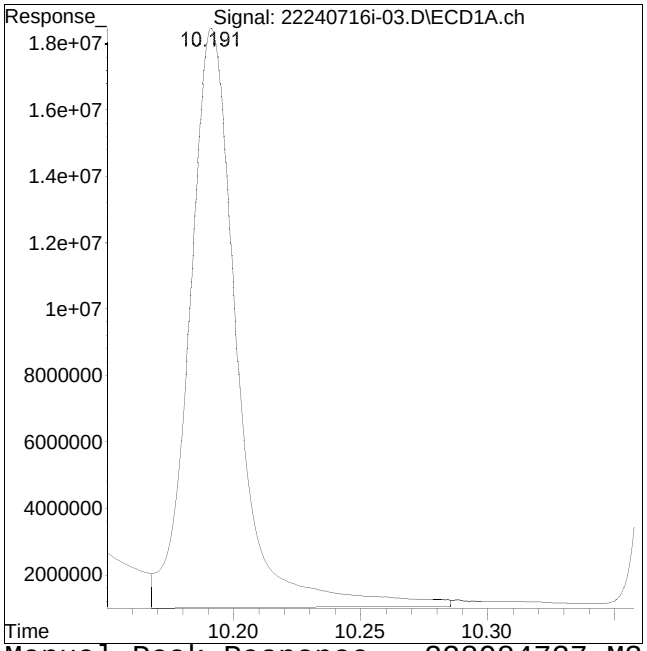
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #12: Dinoseb



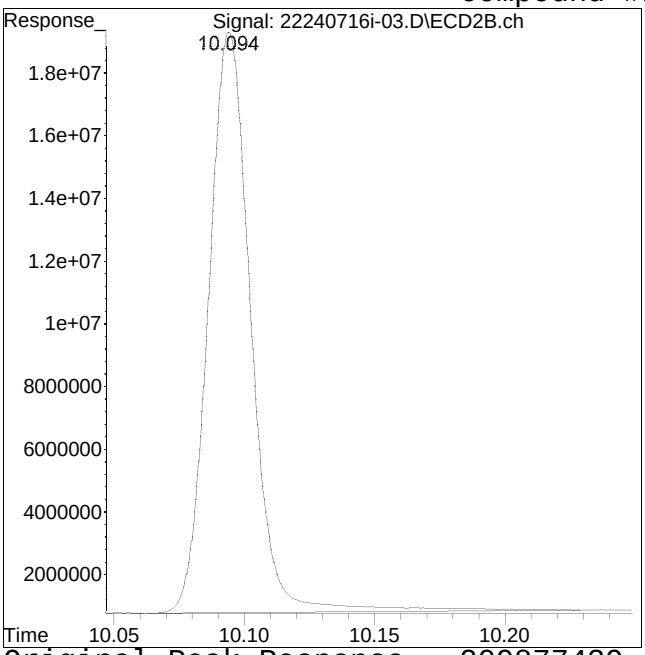


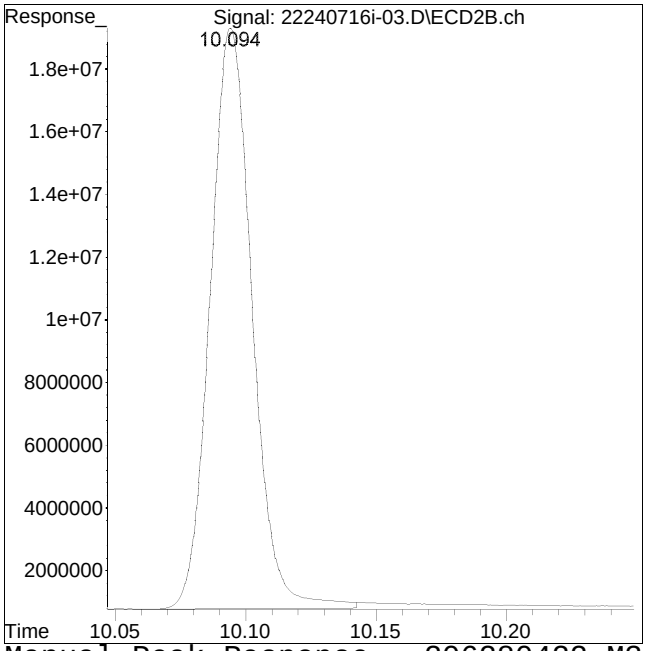
Original Peak Response = 237732162 Manual Peak Response = 228984737 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-03.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 15:47 Instrument : Pest22
Sample : il2herb,42e,,pp 11632 L0.1Quant Date : 7/16/2024 6:42 pm

Compound #25: Dinoseb #2





Original Peak Response = 209877439 Manual Peak Response = 206280422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	950.2E6	964.9E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.006	7.458	148.3E6	148.6E6	NoCal	NoCal M4
		Spiked Amount	0.500	Range	30 - 150	Recovery	= 0.00%#	0.00%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	173.9E6	161.0E6	NoCal M4	NoCal M3
4)	t	Dicamba	7.187	7.639	425.9E6	434.9E6	NoCal M3	NoCal M4
5)	t	MCPP	7.387	7.750	32672630	43905059	NoCal M4	NoCal M4
6)	t	MCPA	7.534	7.976	63845570	78249368	NoCal	NoCal
7)	t	Dichloroprop	7.890	8.293	135.5E6	137.5E6	NoCal M4	NoCal M3
8)	t	2,4-D	8.104	8.566	163.1E6	188.2E6	NoCal M4	NoCal M3
9)	t	2,4,5-TP (Si	8.817	9.223	612.7E6	623.0E6	NoCal M4	NoCal M3
10)	t	2,4,5-T	9.038	9.511	612.7E6	586.0E6	NoCal M4	NoCal
11)	t	2,4-DB	9.444	9.871	91548913	99152864	NoCal M4	NoCal
12)	t	Dinoseb	10.190	10.094	438.9E6	403.5E6	NoCal M3	NoCal M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

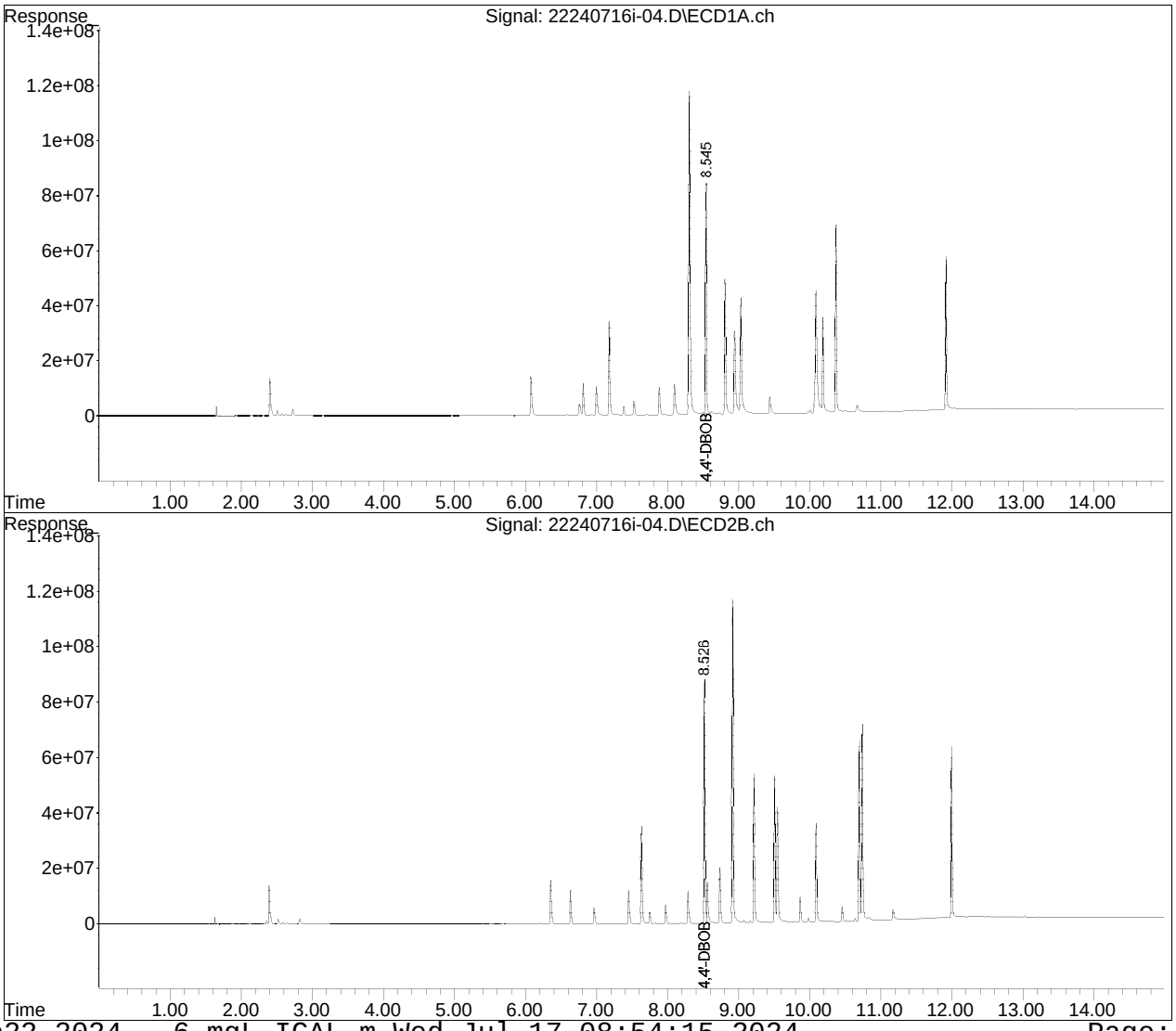
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-04.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:06
Operator : pest22:ejl
Sample : il3herb,42e,,pp 11631 L0.2/20
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:30:43 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:30:36 2024
Response via : Initial Calibration
Integrator: ChemStation

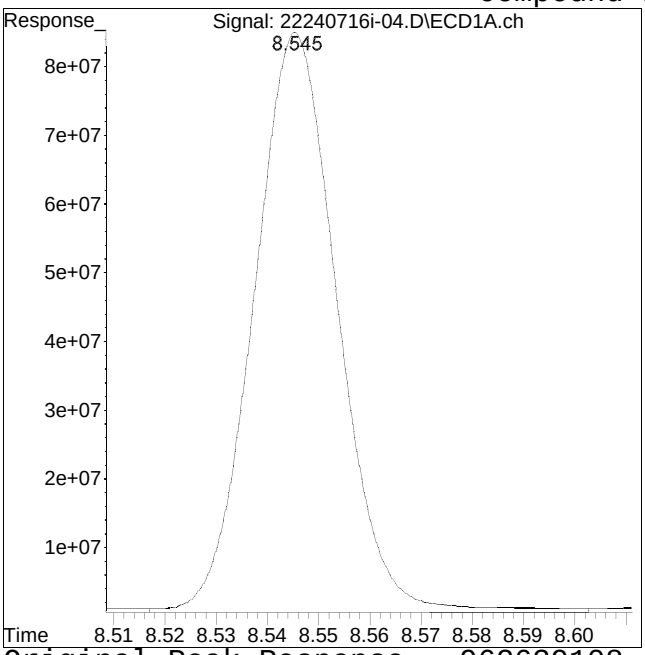
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



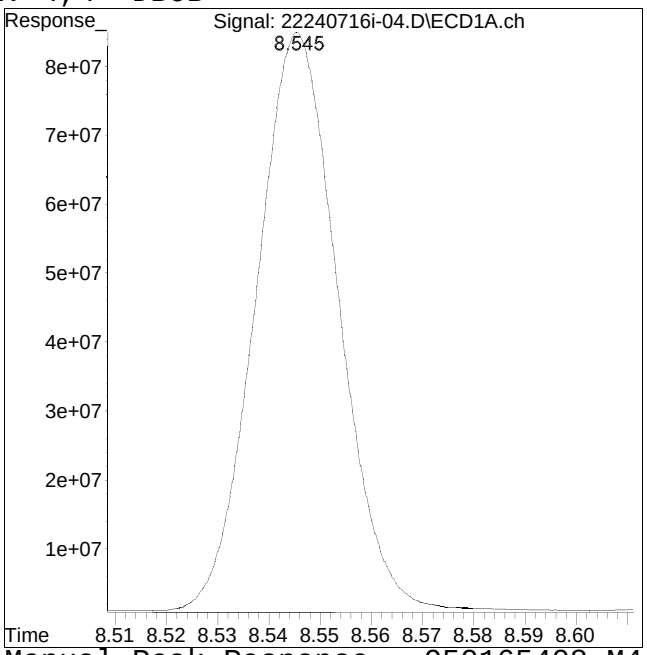
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 962639108



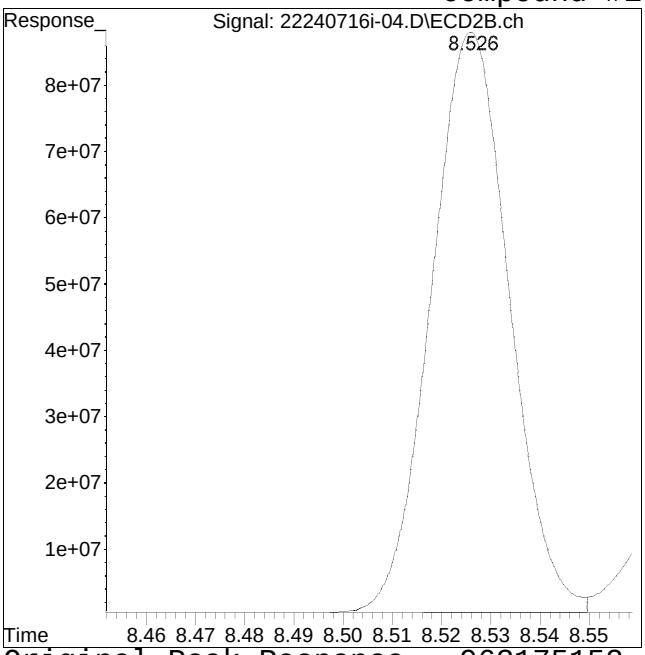
Manual Peak Response = 950165408 M4

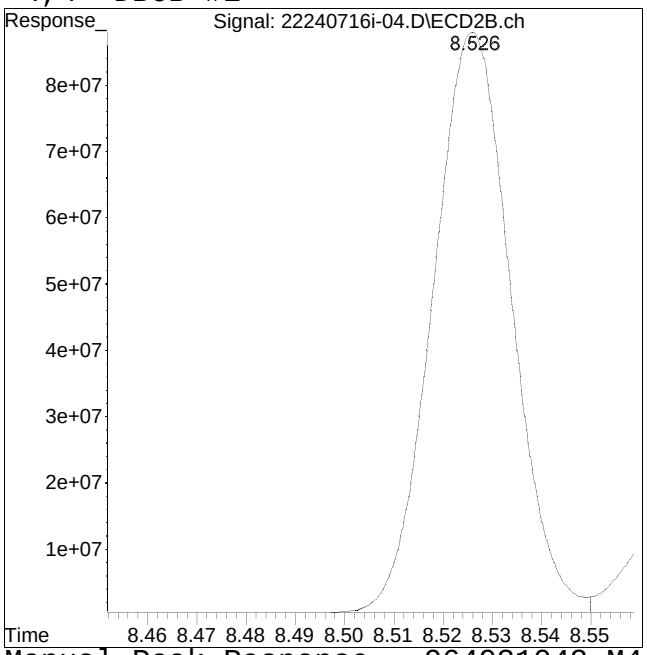
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #14: 4,4'-DBOB #2



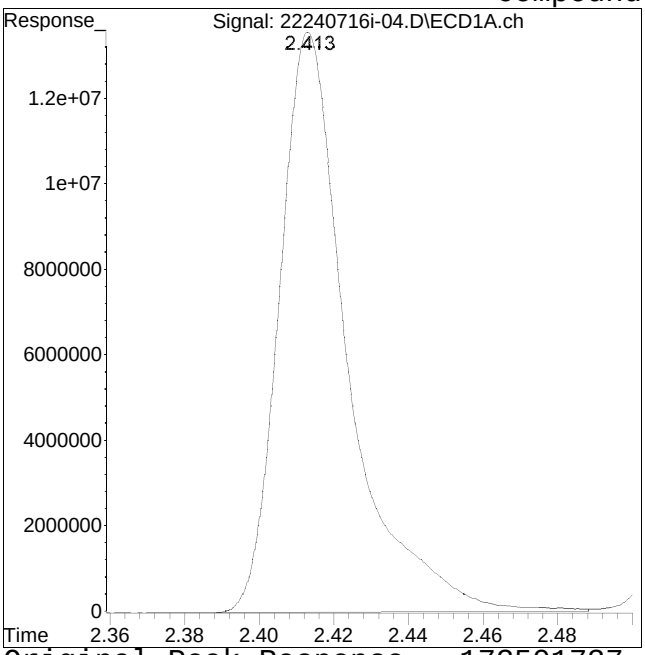


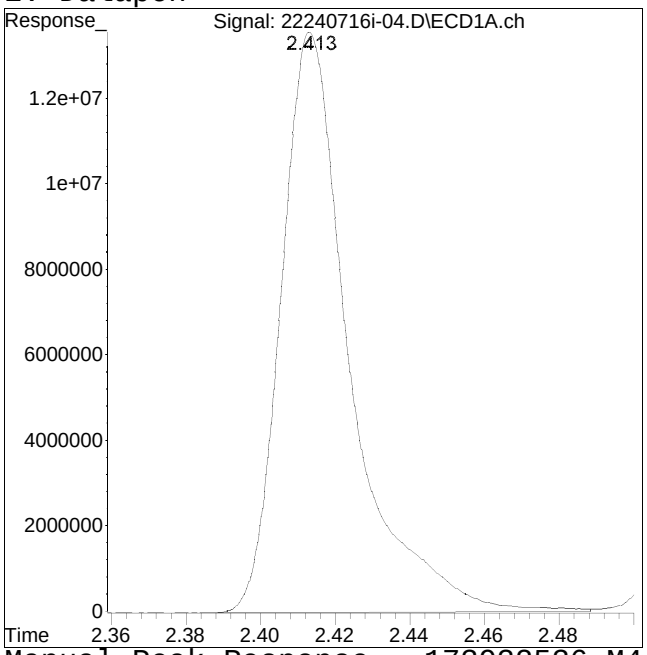
Original Peak Response = 963175152 Manual Peak Response = 964931042 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #2: Dalapon



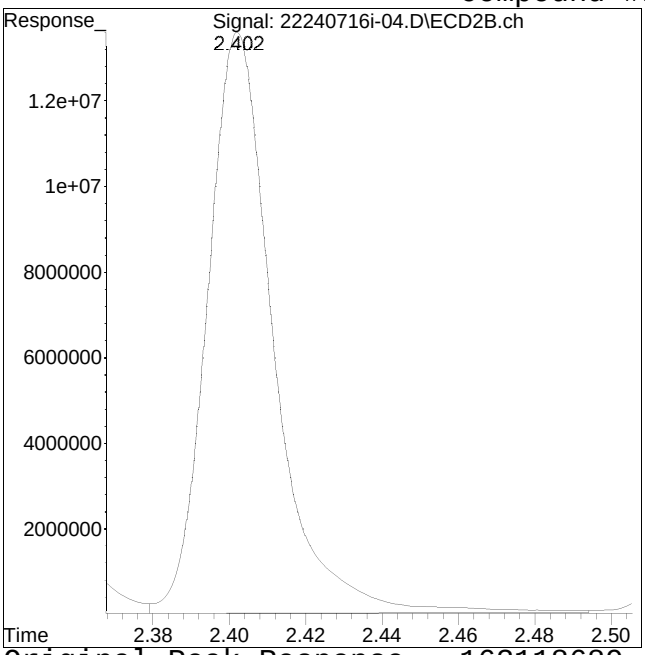


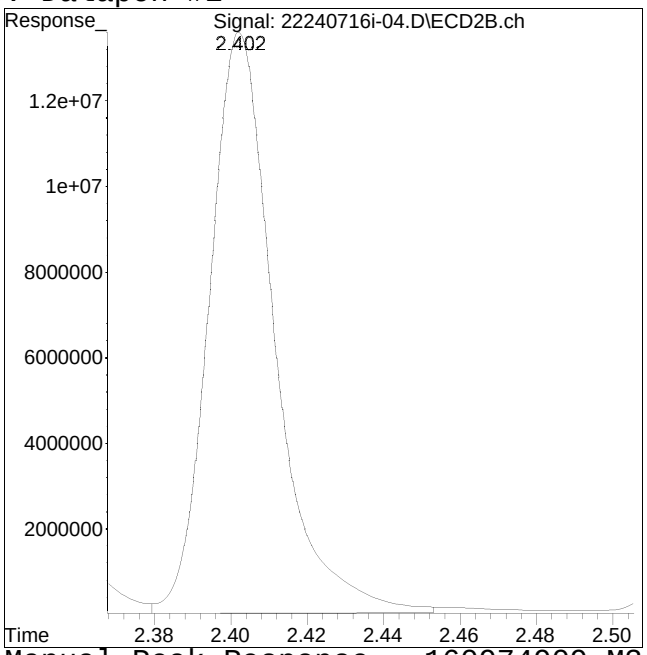
Original Peak Response = 173501737 Manual Peak Response = 173932536 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #15: Dalapon #2





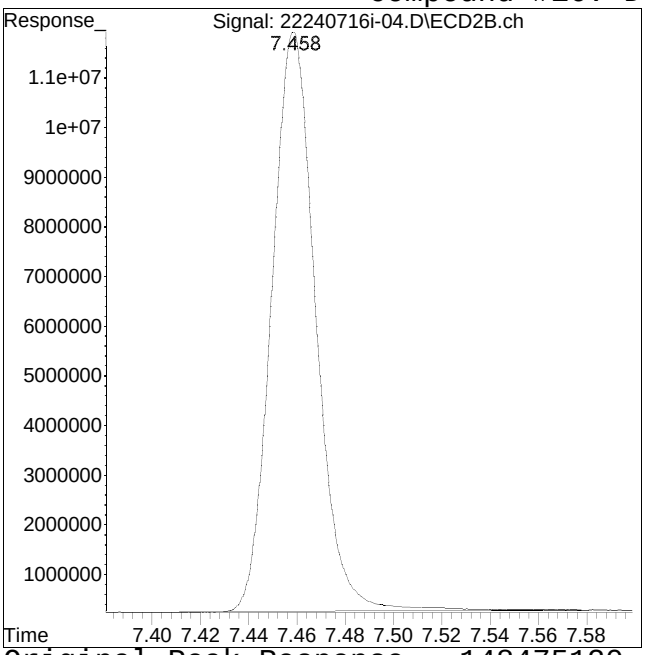
Original Peak Response = 163118689 Manual Peak Response = 160974909 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

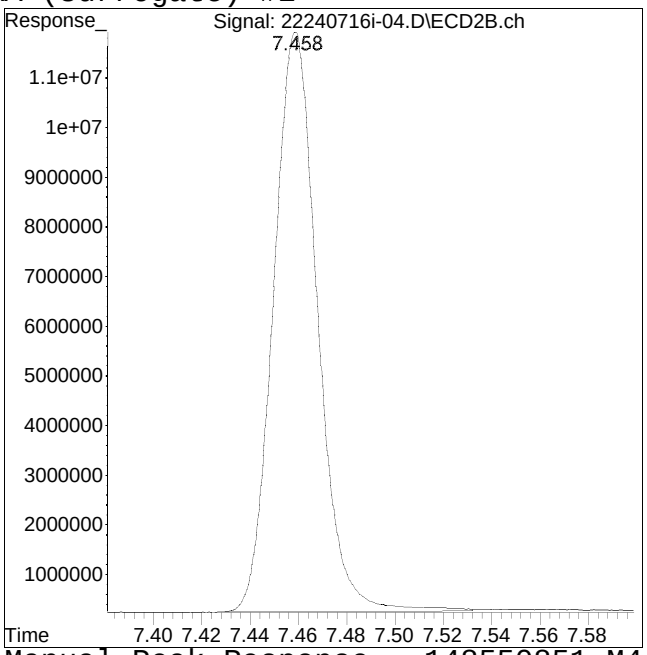
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #16: DCAA (surrogate) #2



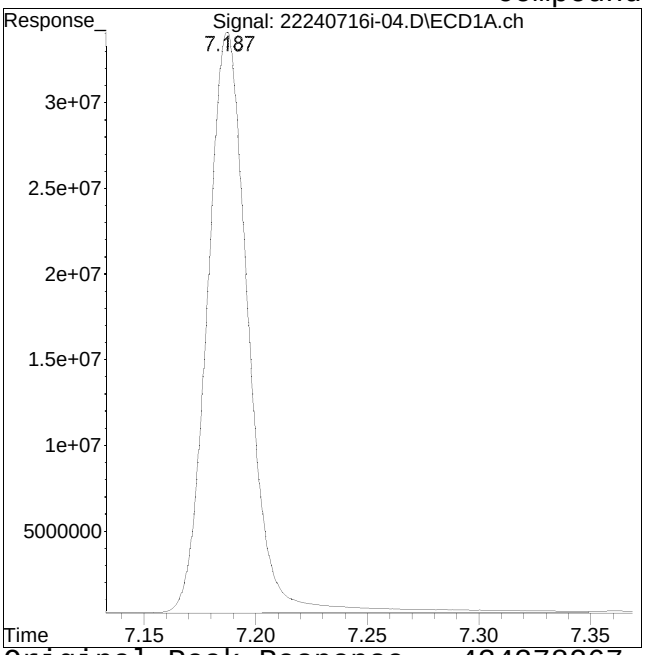


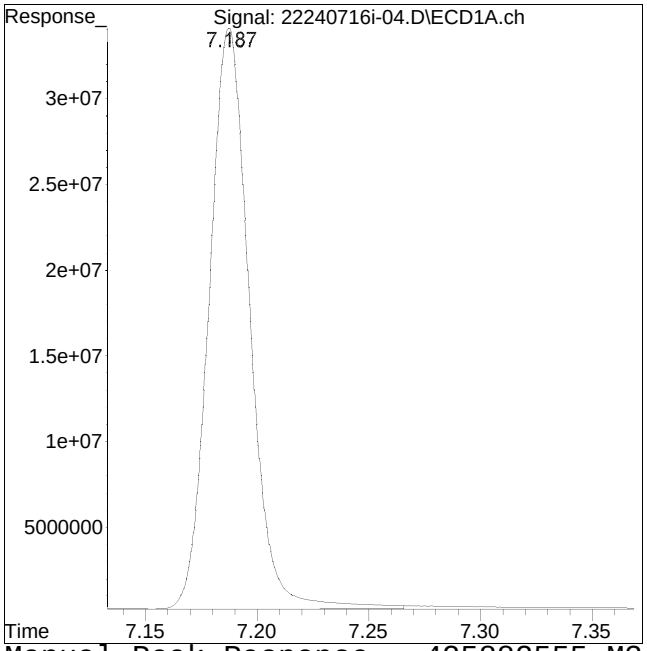
Original Peak Response = 148475120 Manual Peak Response = 148550851 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #4: Dicamba



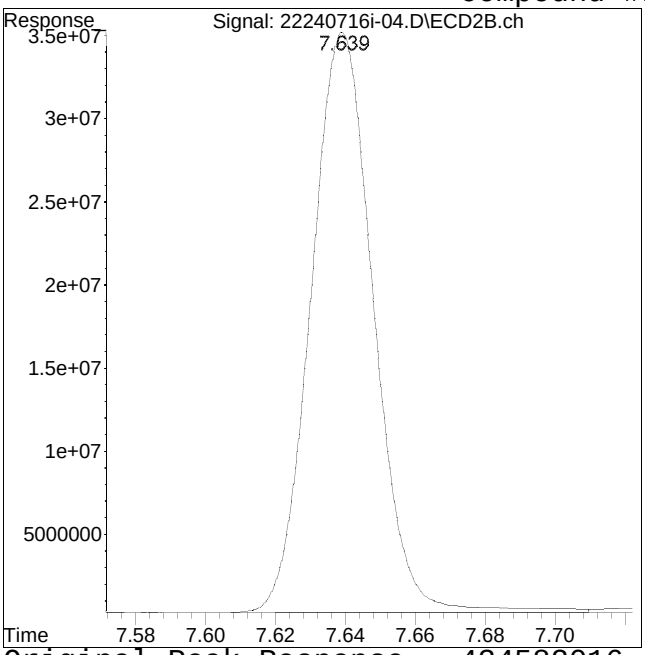


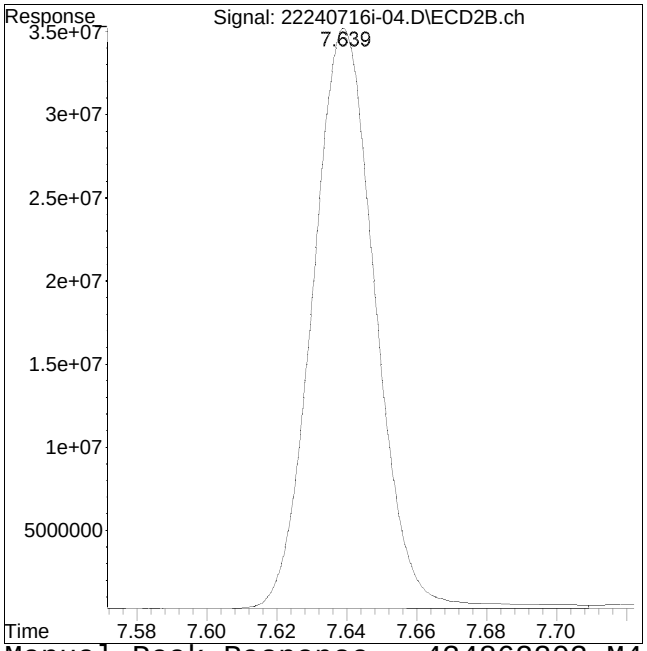
Original Peak Response = 434378267 Manual Peak Response = 425882555 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #17: Dicamba #2



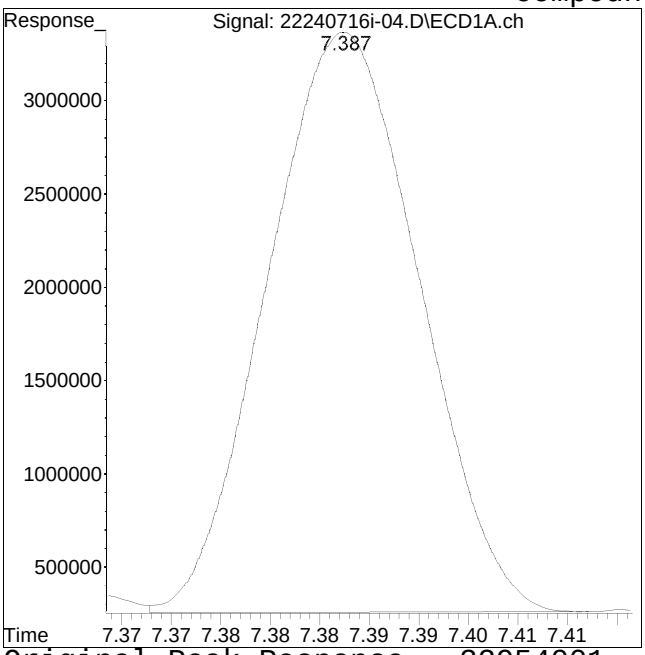


Original Peak Response = 434582016 Manual Peak Response = 434862203 M4
M4 = Poor automated baseline construction.

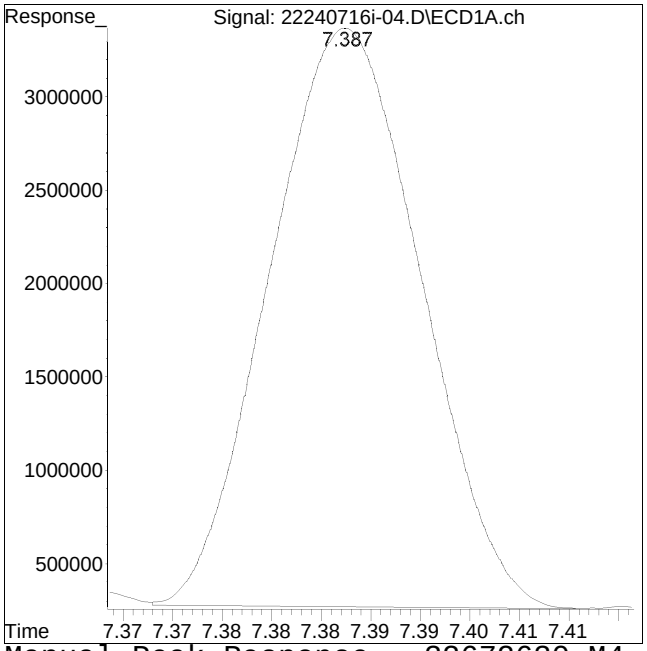
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #5: MCPP



Original Peak Response = 32954001



Manual Peak Response = 32672630 M4

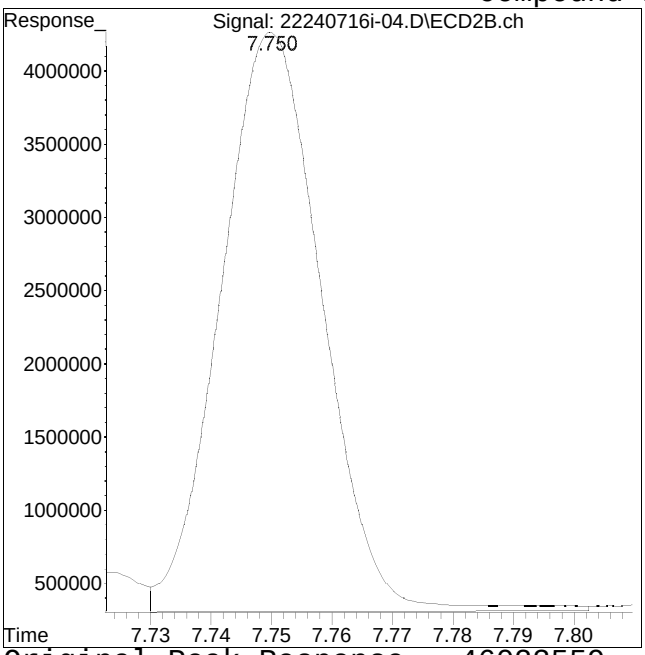
M4 = Poor automated baseline construction.

Manual Integration Report

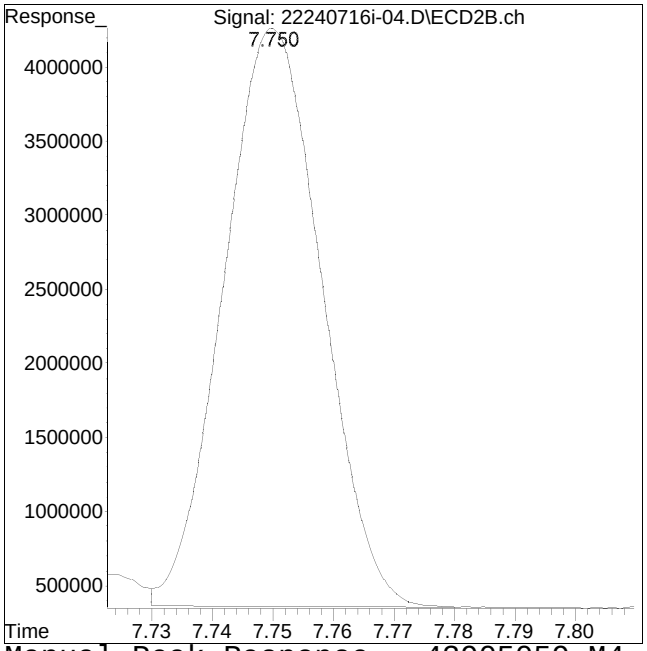
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #18: MCPP #2



Original Peak Response = 46023559



Manual Peak Response = 43905059 M4

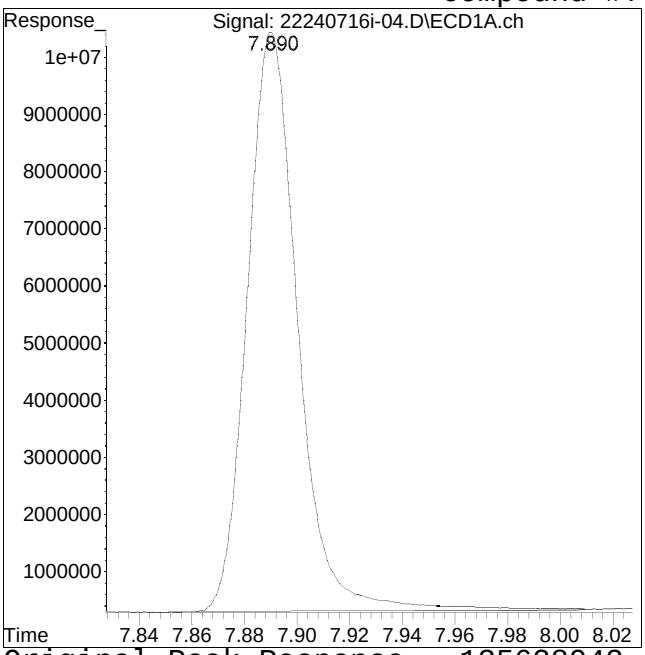
M4 = Poor automated baseline construction.

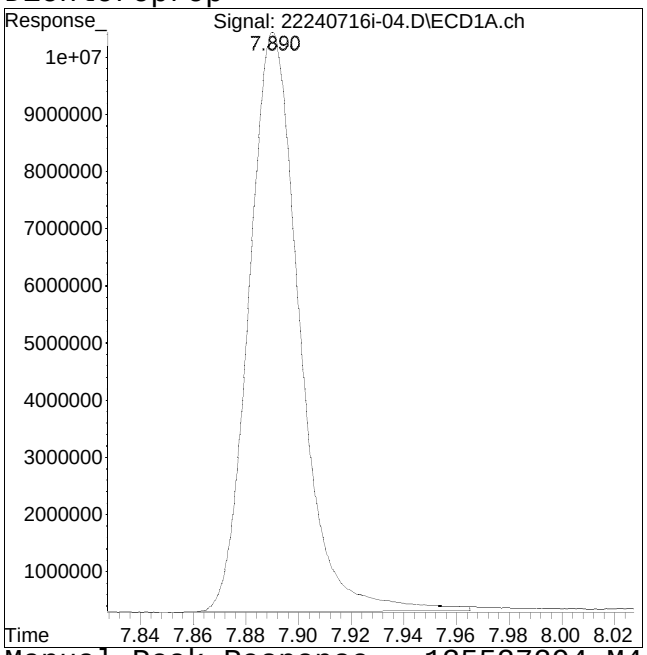
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #7: Dichloroprop



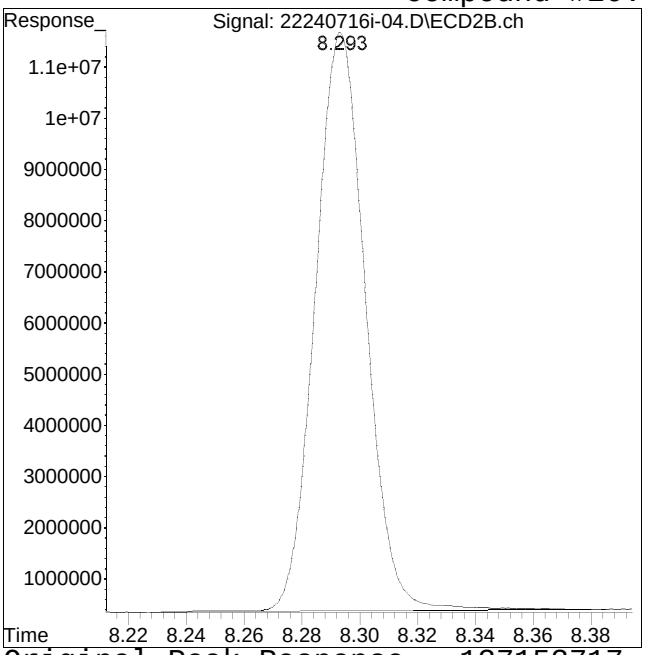


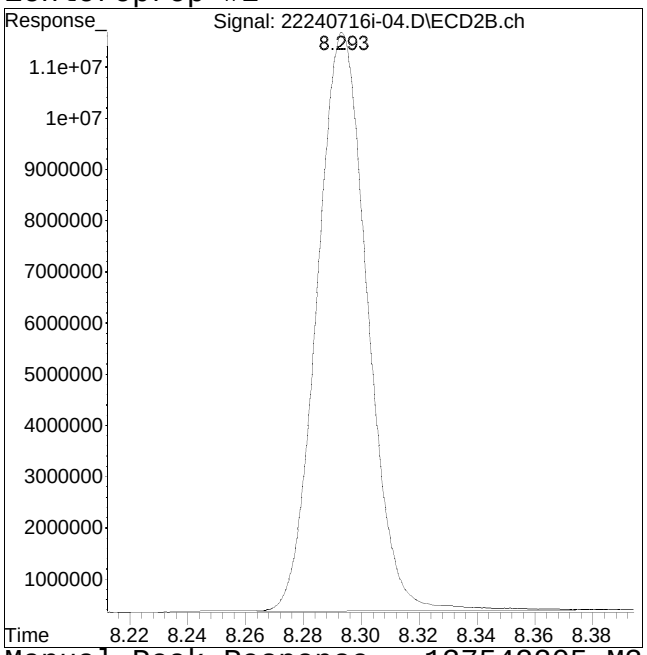
Original Peak Response = 135628942 Manual Peak Response = 135527294 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #20: Dichloroprop #2



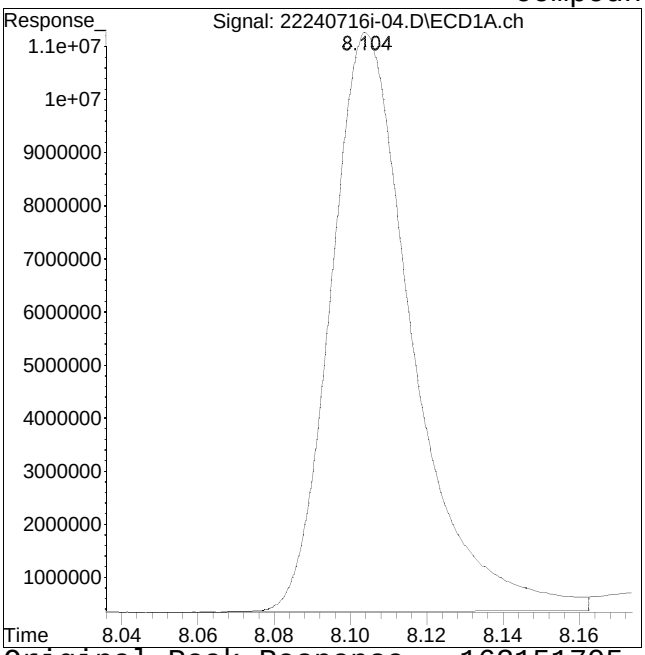


Original Peak Response = 137153717 Manual Peak Response = 137542205 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

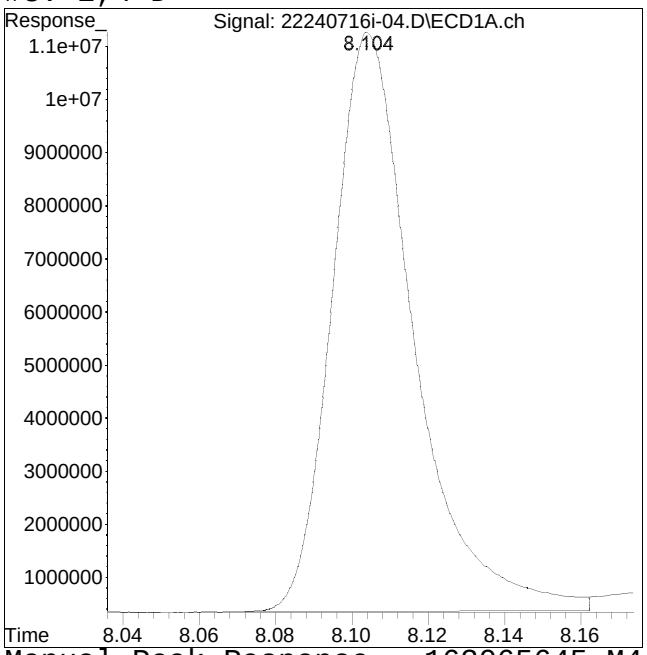
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #8: 2,4-D



Original Peak Response = 163151705



Manual Peak Response = 163065645 M4

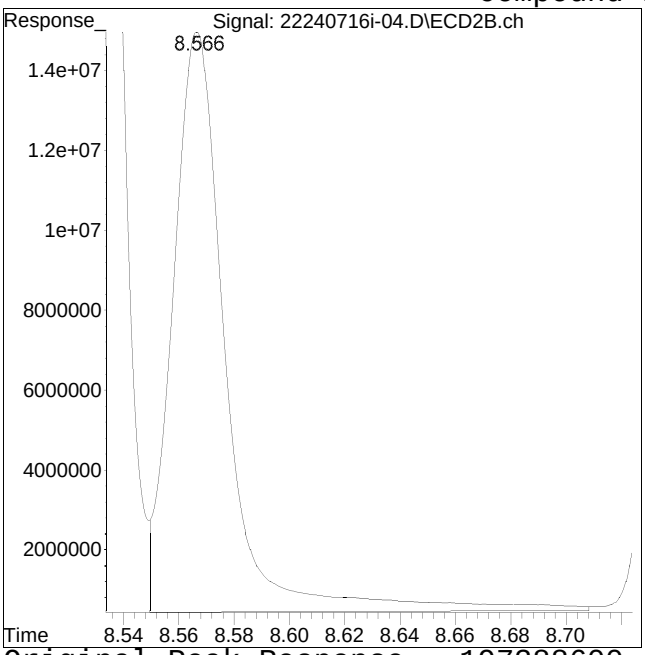
M4 = Poor automated baseline construction.

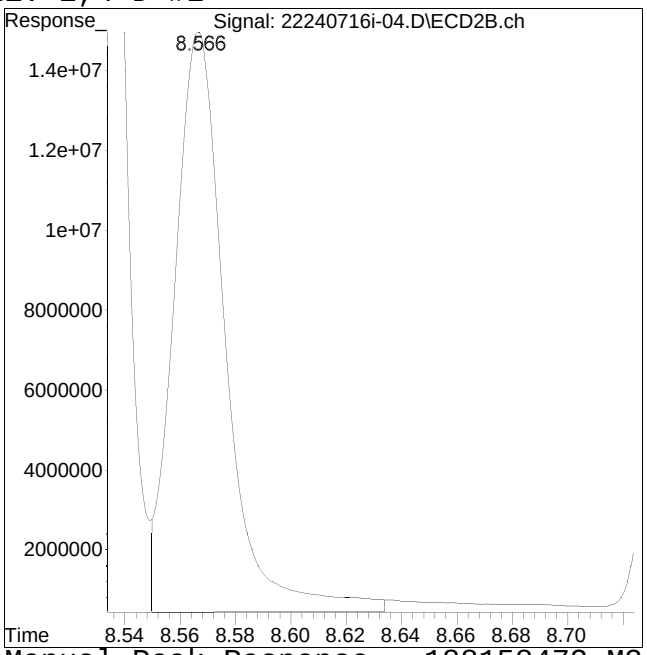
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #21: 2,4-D #2





Original Peak Response = 197388600 Manual Peak Response = 188158472 M3

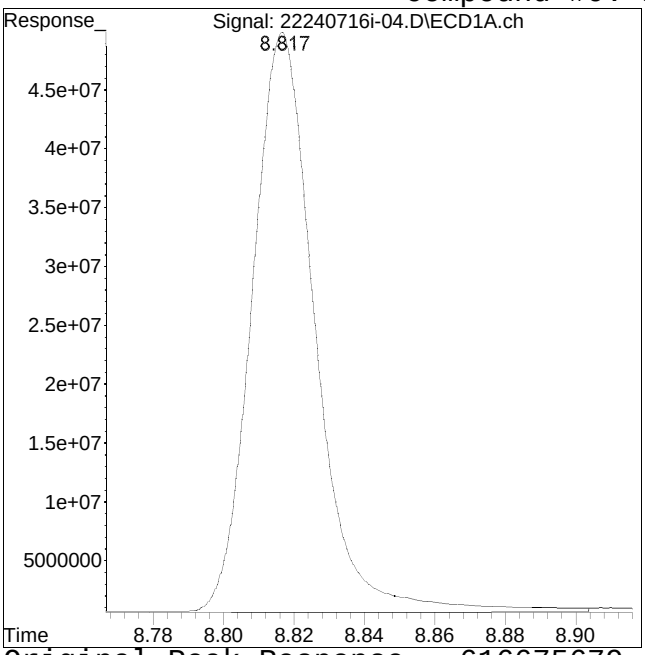
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

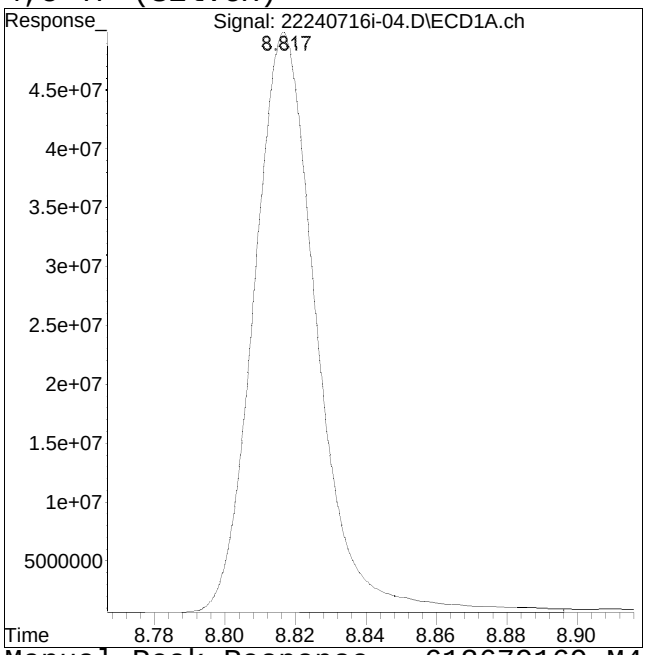
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-04.D
Date Inj'd : 7/16/2024 16:06
Sample : il3herb,42e,,pp 11631 L0.2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:30 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 616675679



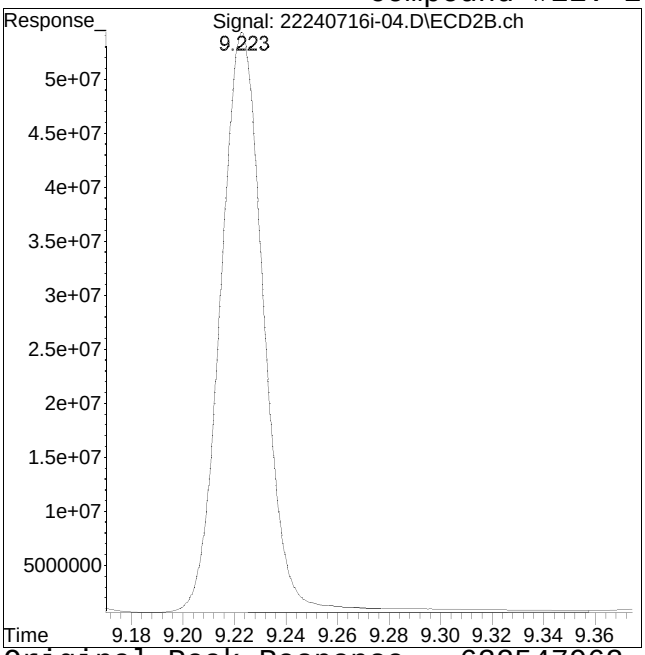
Manual Peak Response = 612679169 M4

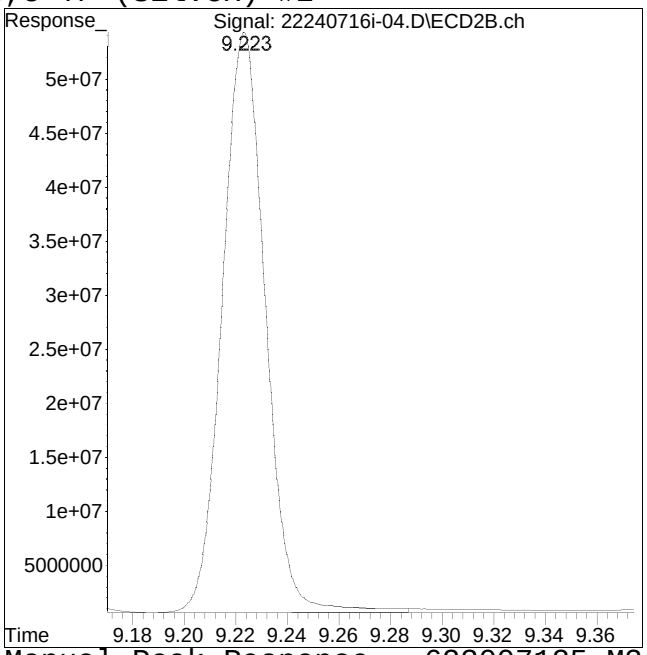
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #22: 2,4,5-TP (Silvex) #2



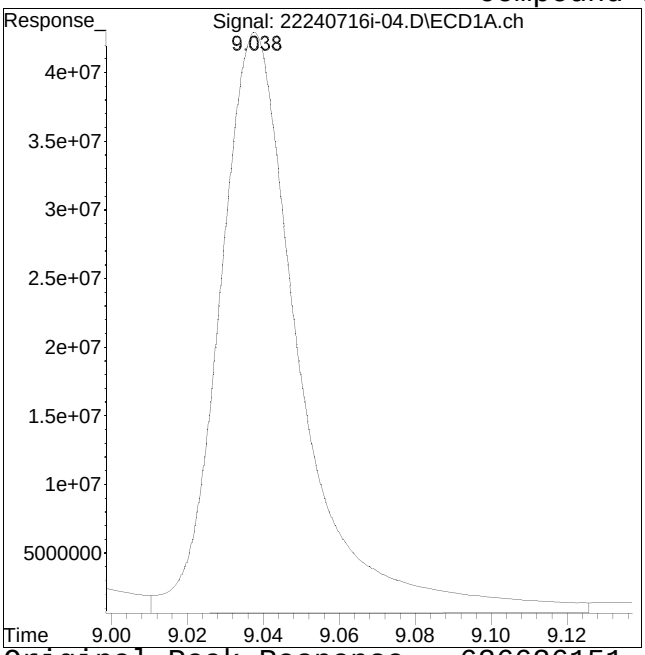


Original Peak Response = 632547962 Manual Peak Response = 623007125 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

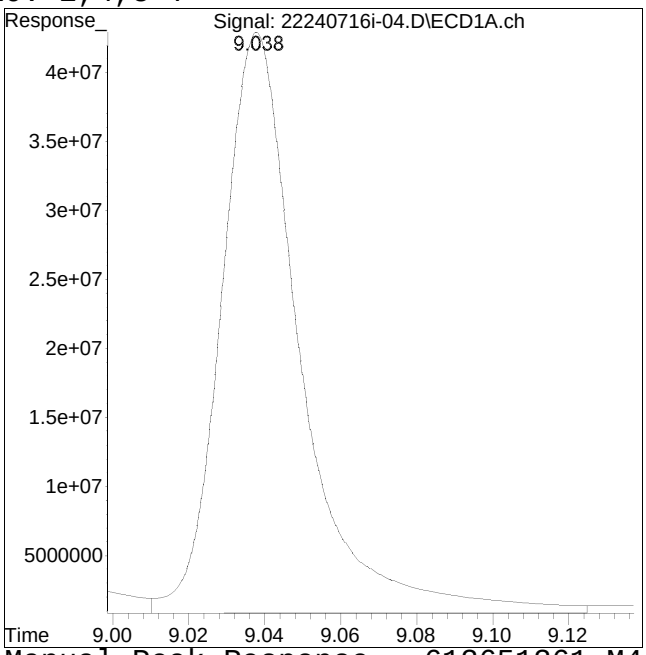
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #10: 2,4,5-T



Original Peak Response = 626626151



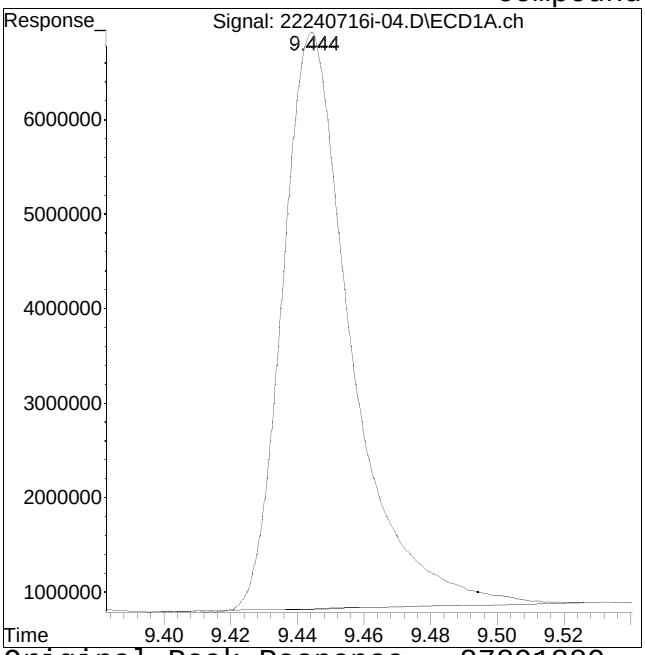
Manual Peak Response = 612651361 M4

M4 = Poor automated baseline construction.

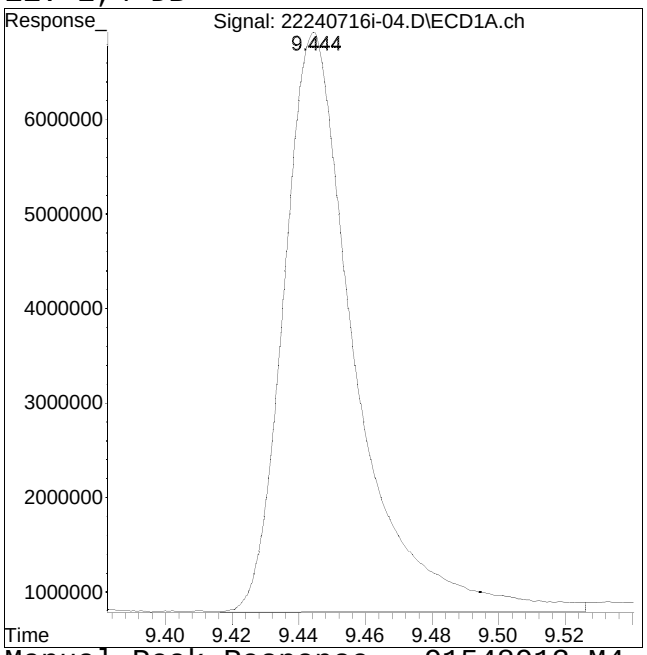
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #11: 2,4-DB



Original Peak Response = 87891880



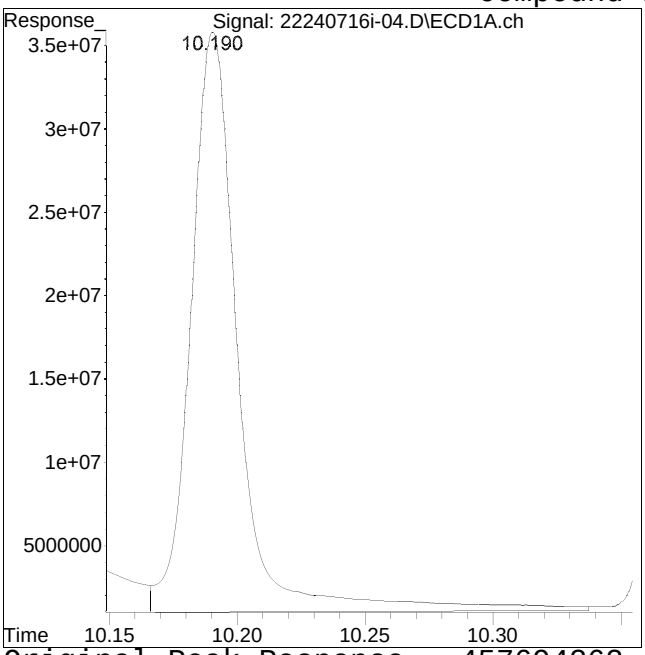
Manual Peak Response = 91548913 M4

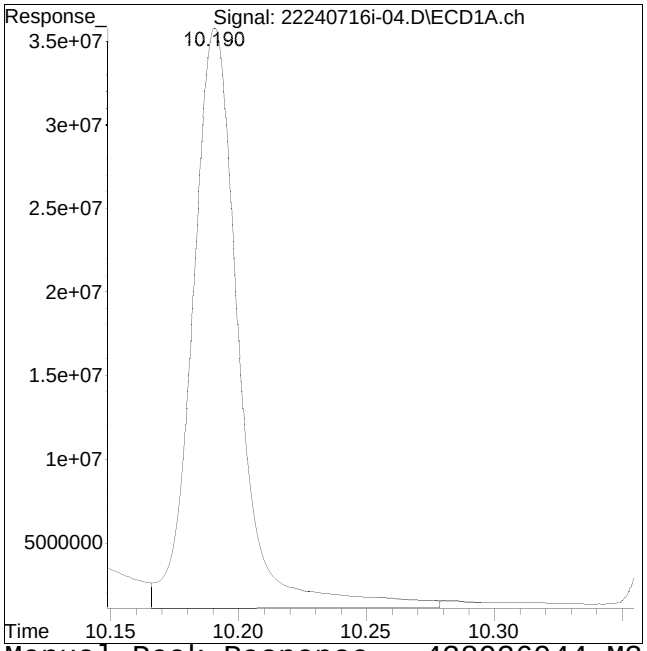
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #12: Dinoseb



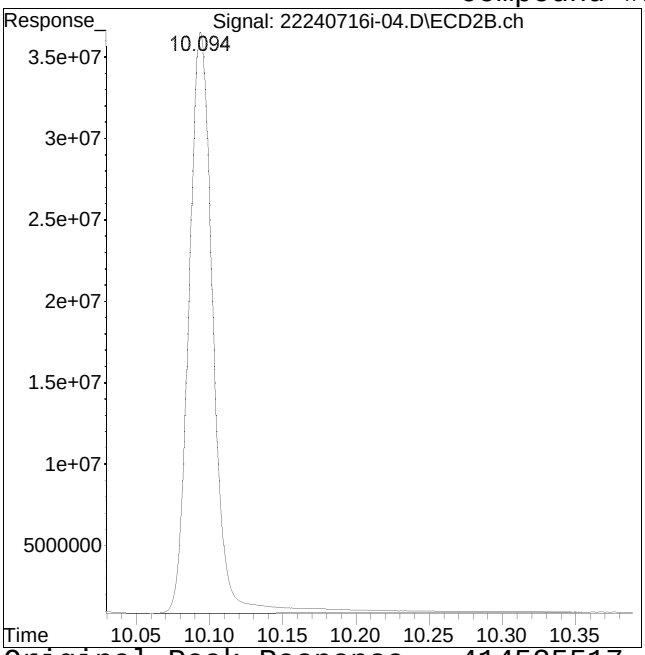


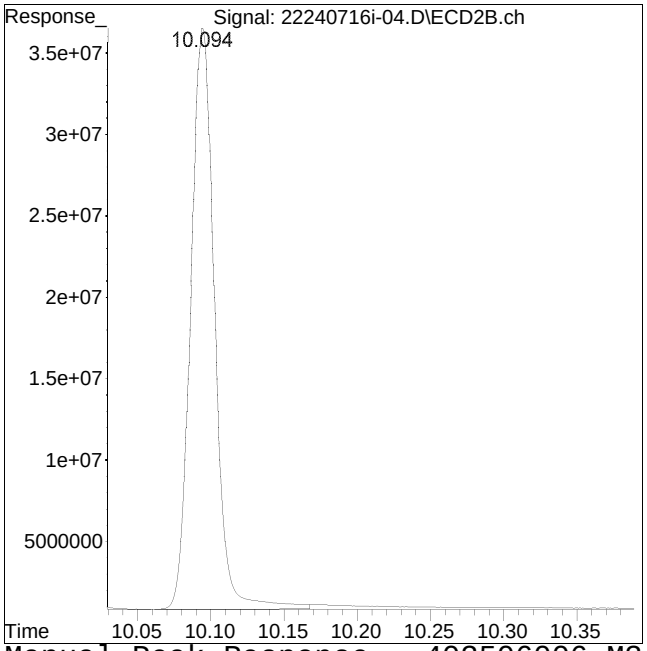
Original Peak Response = 457694262 Manual Peak Response = 438936944 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-04.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:06 Instrument : Pest22
Sample : il3herb,42e,,pp 11631 L0.2Quant Date : 7/16/2024 6:30 pm

Compound #25: Dinoseb #2





Original Peak Response = 414525517 Manual Peak Response = 403506006 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	979.7E6	983.1E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.004	7.458	332.3E6	329.3E6	0.408M4	0.409M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	81.60%	81.80%
		Target Compounds						
2)	t	Dalapon	2.414	2.402	381.6E6	353.8E6	0.387	0.393M3
4)	t	Dicamba	7.186	7.639	973.8E6	981.8E6	0.417M4	0.417
5)	t	MCPP	7.387	7.750	87375332	109.8E6	48.762M3	46.129M4
6)	t	MCPA	7.533	7.977	149.8E6	177.5E6	42.329M3	41.402
7)	t	Dichloroprop	7.889	8.293	306.5E6	308.3E6	0.412M4	0.414M4
8)	t	2,4-D	8.101	8.567	376.9E6	406.5E6	0.421M4	0.399
9)	t	2,4,5-TP (Si	8.815	9.223	1440.7E6	1434.9E6	0.433	0.430M3
10)	t	2,4,5-T	9.034	9.510	1440.4E6	1364.3E6	0.433M4	0.434
11)	t	2,4-DB	9.441	9.870	210.4E6	231.0E6	0.428M4	0.439M4
12)	t	Dinoseb	10.190	10.094	1012.2E6	919.6E6	0.425M3	0.425M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

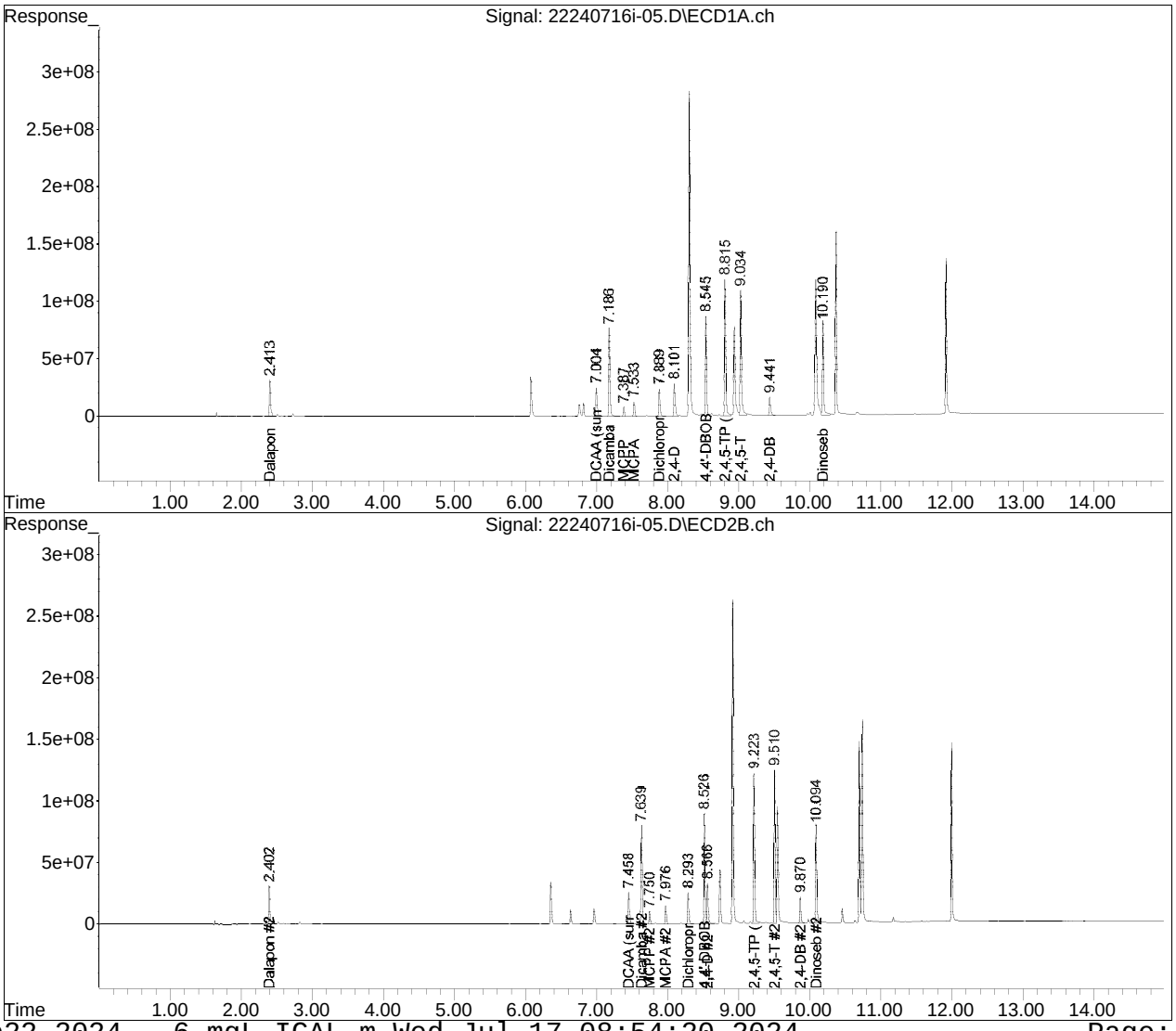
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-05.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:24
Operator : pest22:ejl
Sample : il4herb,42e,,pp 11630 L0.5/50
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:33:12 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:33:03 2024
Response via : Initial Calibration
Integrator: ChemStation

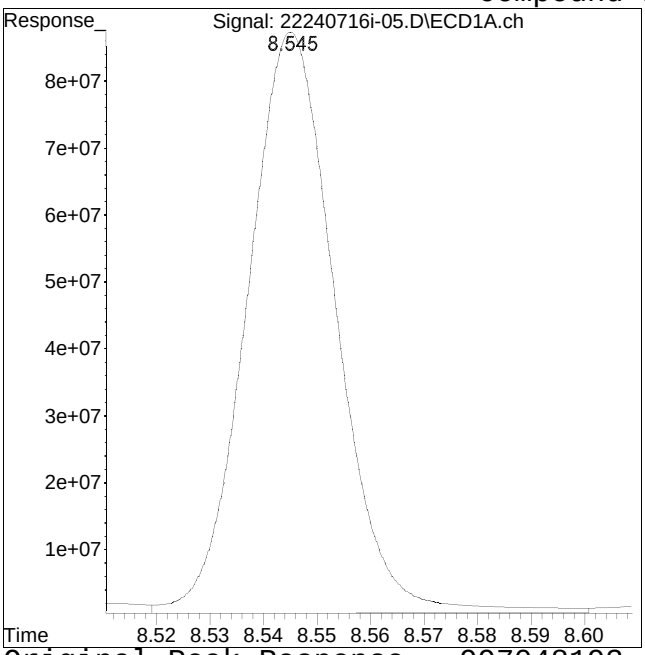
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

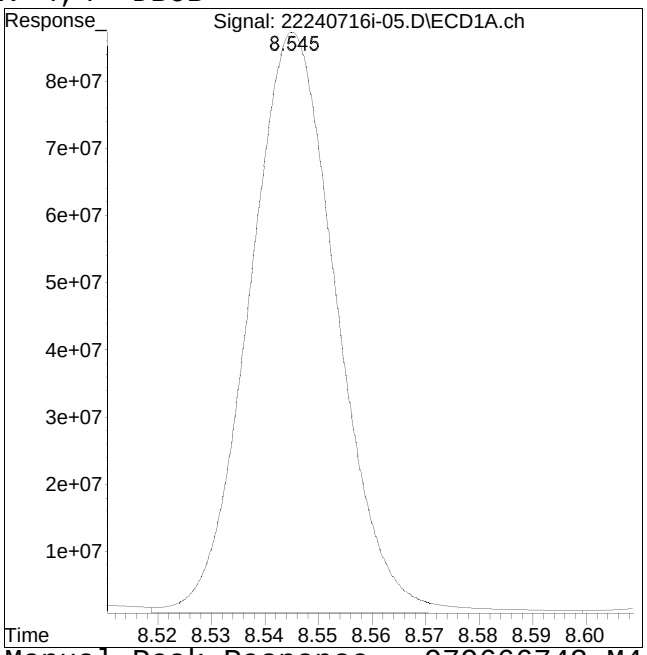


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #1: 4,4'-DBOB



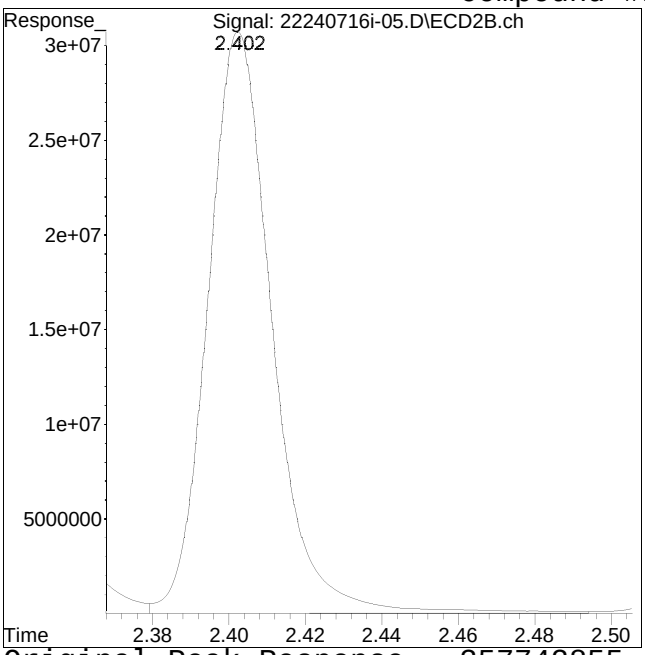


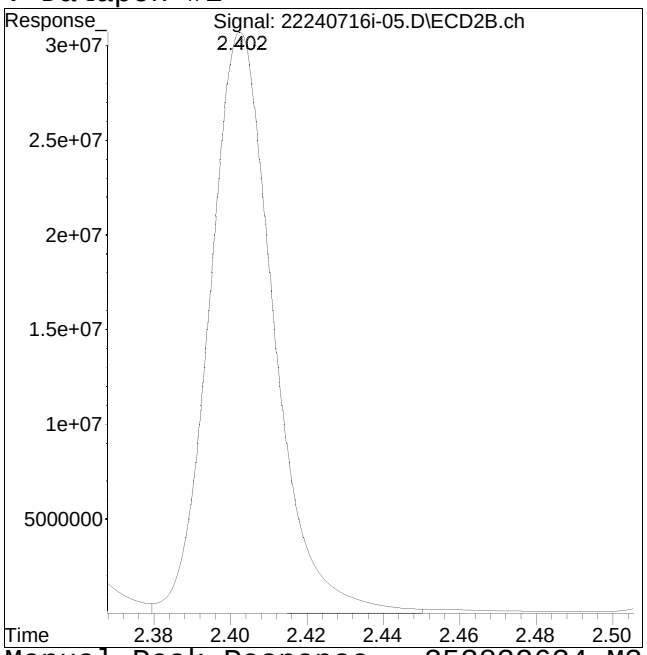
Original Peak Response = 997048193 Manual Peak Response = 979666742 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #15: Dalapon #2



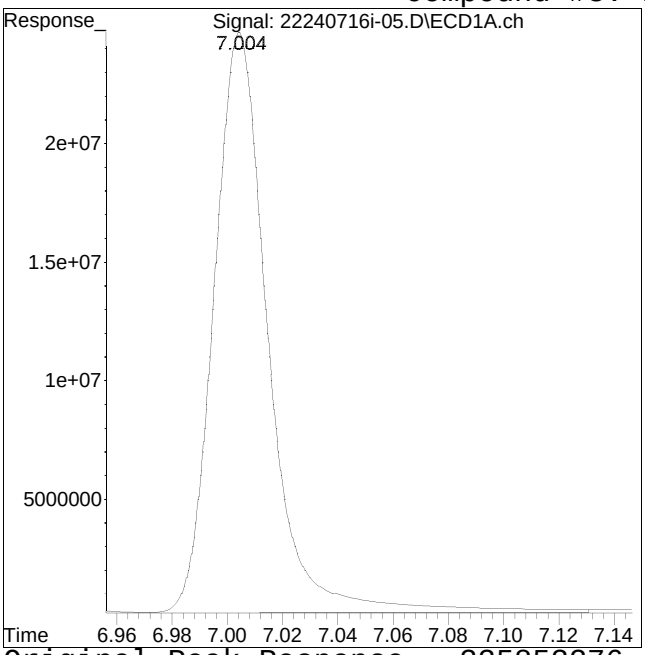


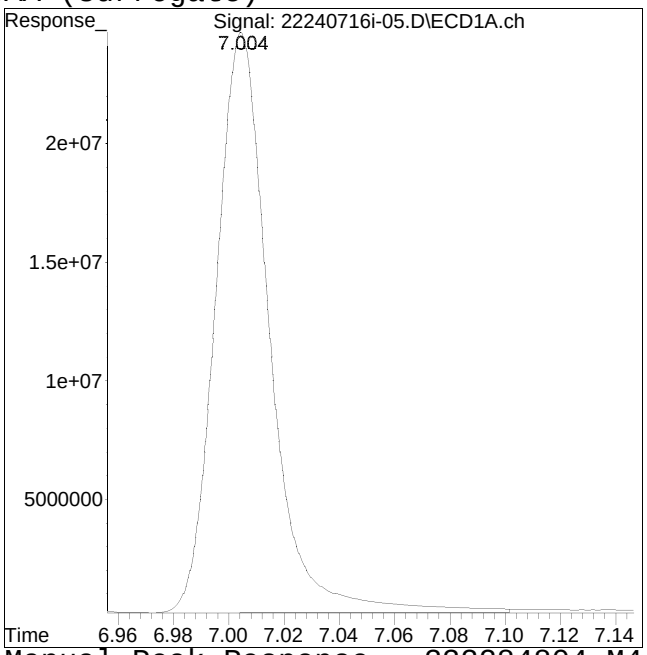
Original Peak Response = 357742855 Manual Peak Response = 353832634 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #3: DCAA (surrogate)



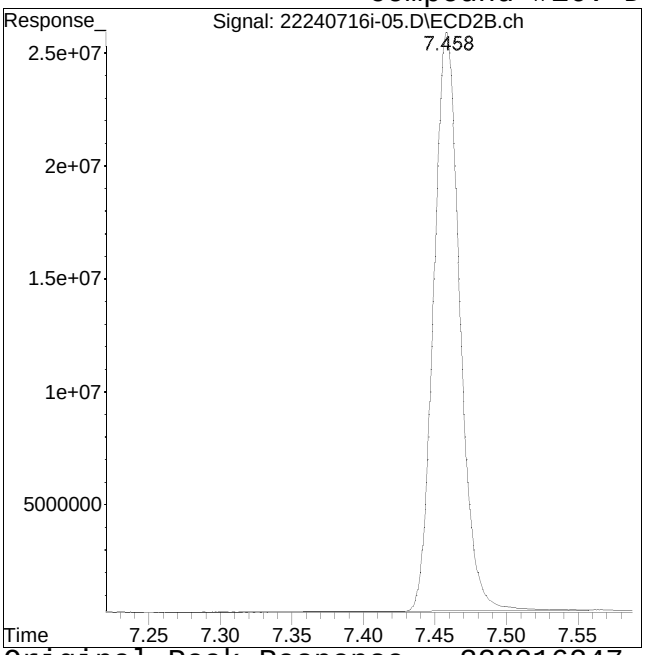


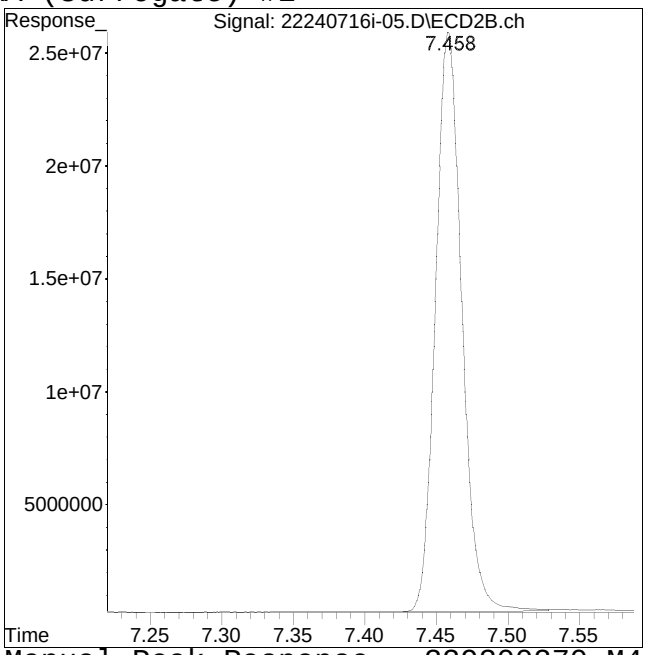
Original Peak Response = 335853376 Manual Peak Response = 332284804 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #16: DCAA (surrogate) #2



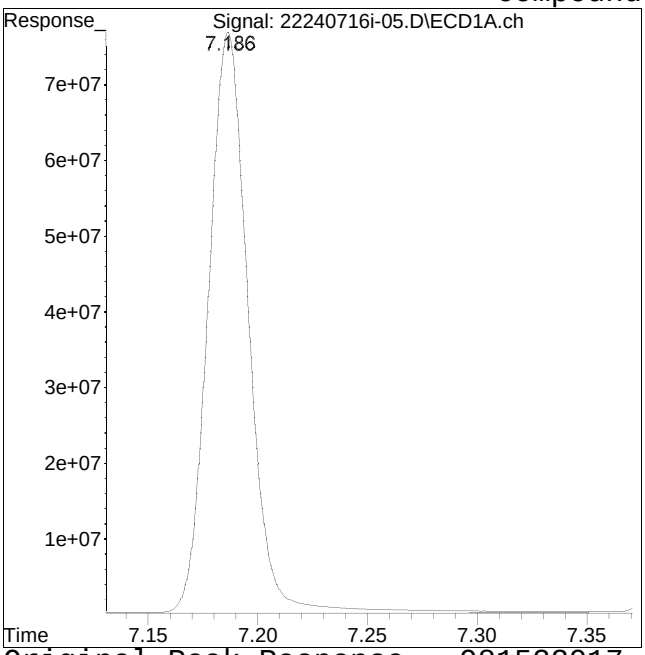


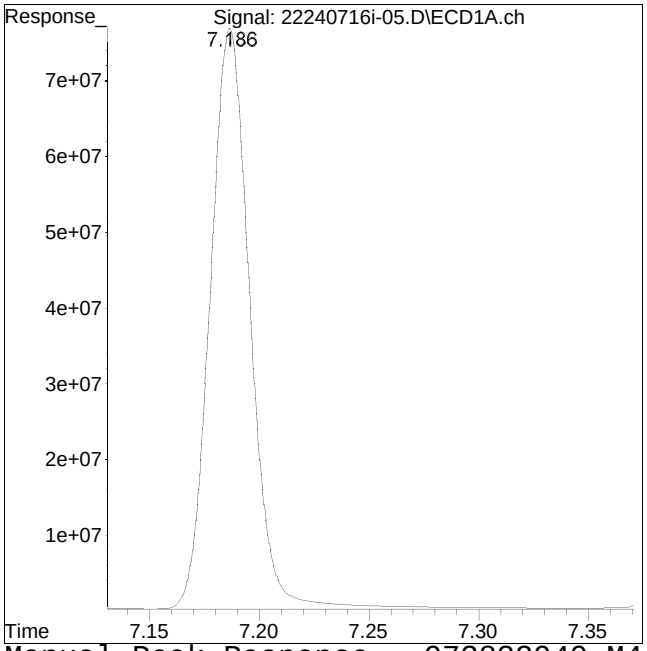
Original Peak Response = 328316247 Manual Peak Response = 329300270 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #4: Dicamba



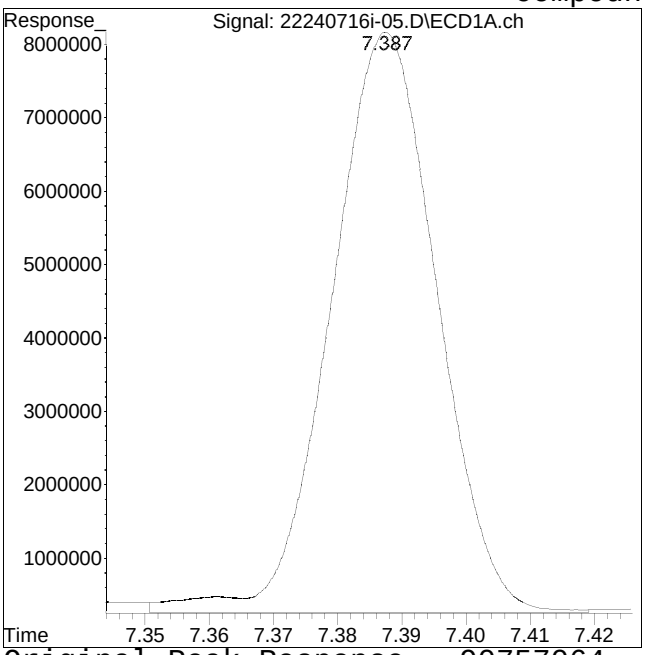


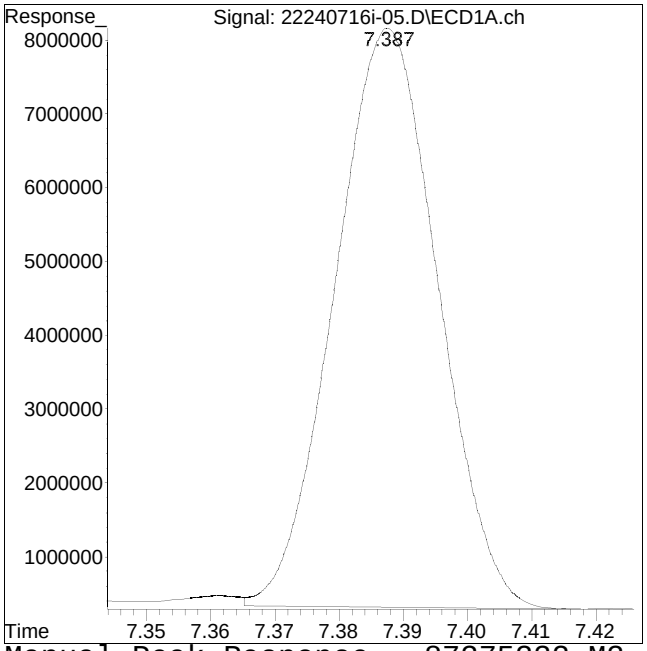
Original Peak Response = 981522917 Manual Peak Response = 973832940 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #5: MCPP



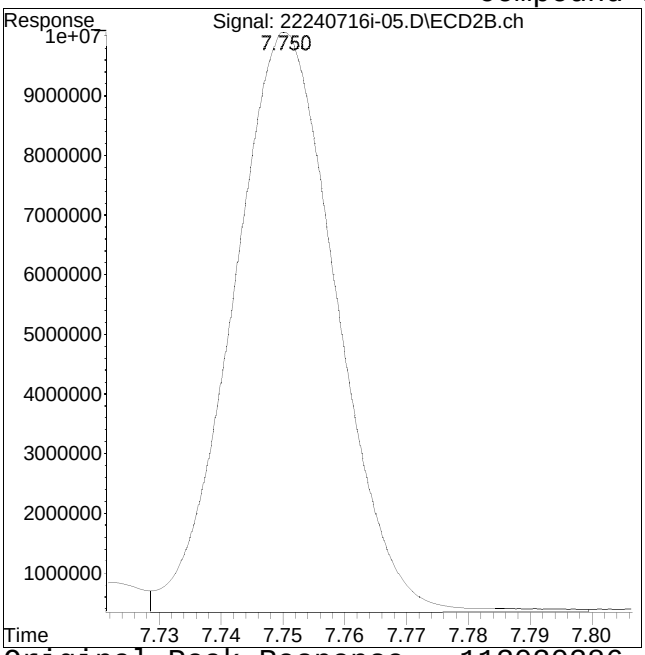


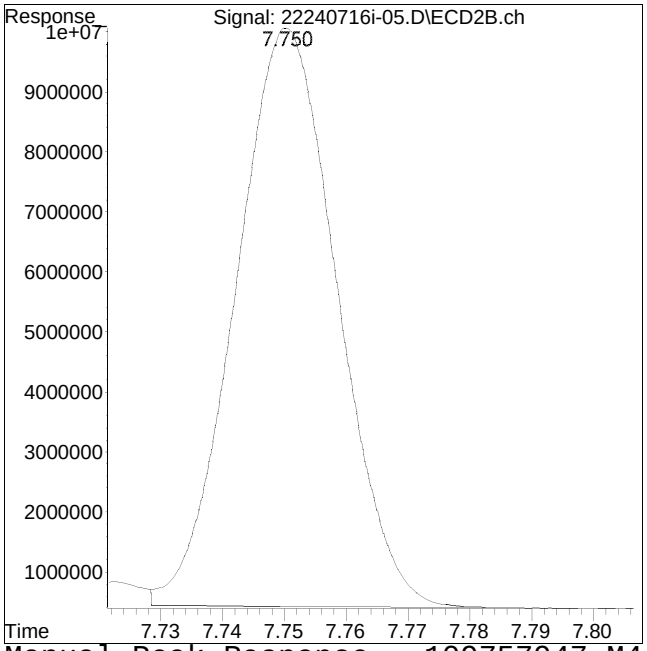
Original Peak Response = 90757064 Manual Peak Response = 87375332 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #18: MCPP #2



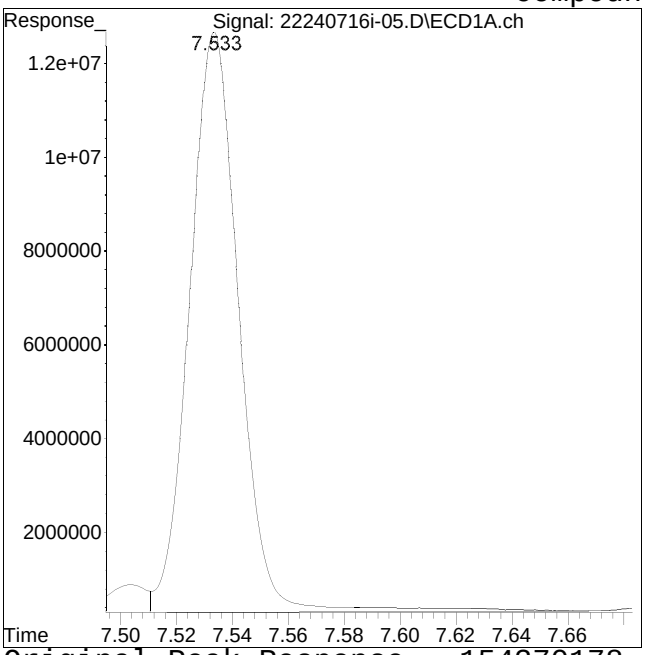


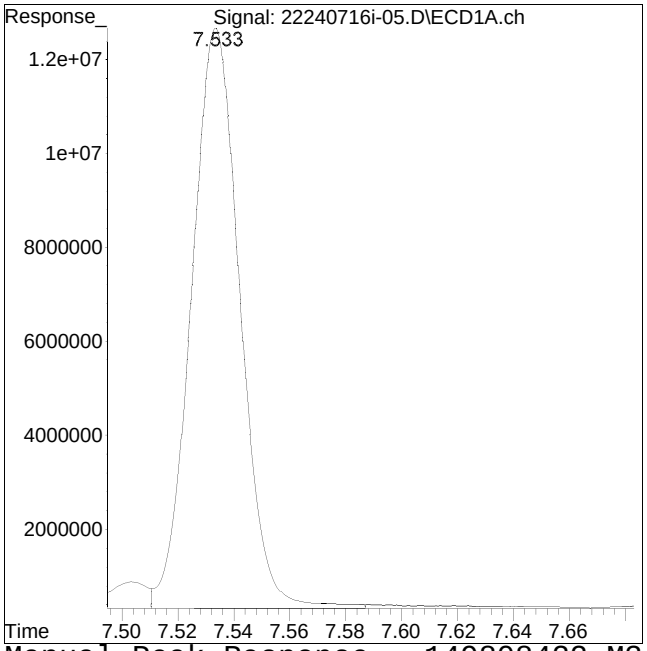
Original Peak Response = 113030386 Manual Peak Response = 109757947 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #6: MCPA





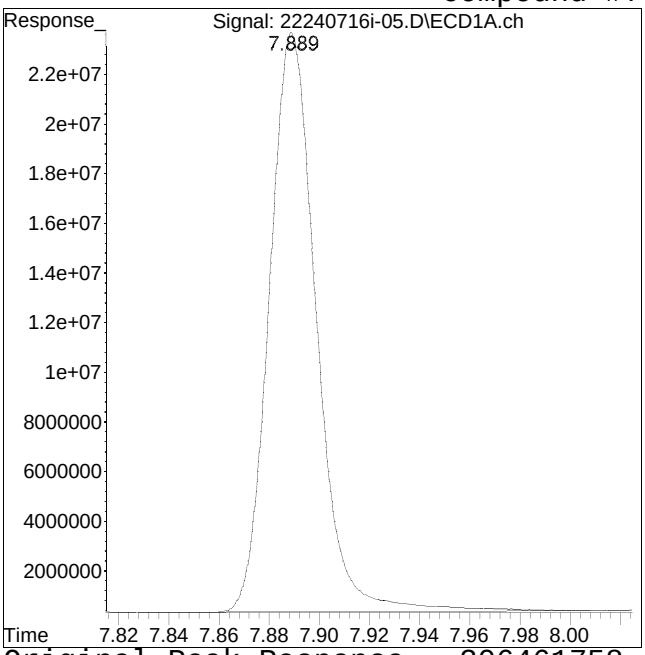
Original Peak Response = 154370178 Manual Peak Response = 149808422 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

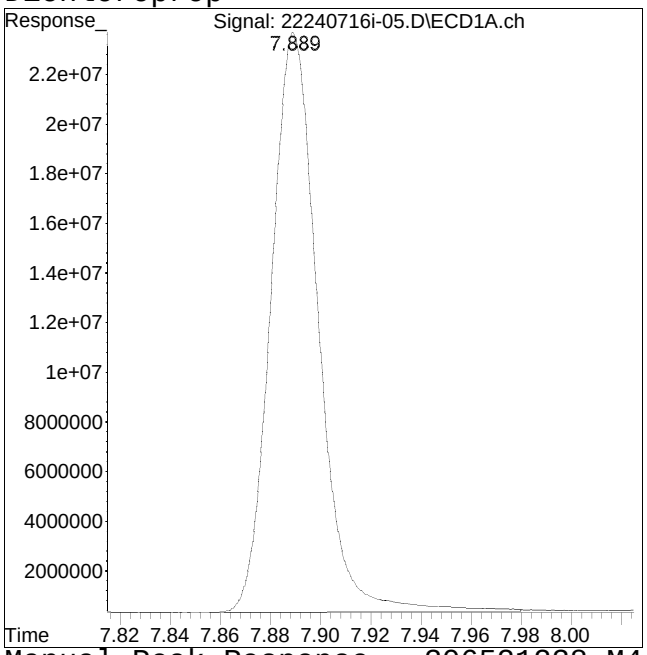
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-05.D
Date Inj'd : 7/16/2024 16:24
Sample : il4herb,42e,,pp 11630 L0.5

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:33 pm

Compound #7: Dichloroprop



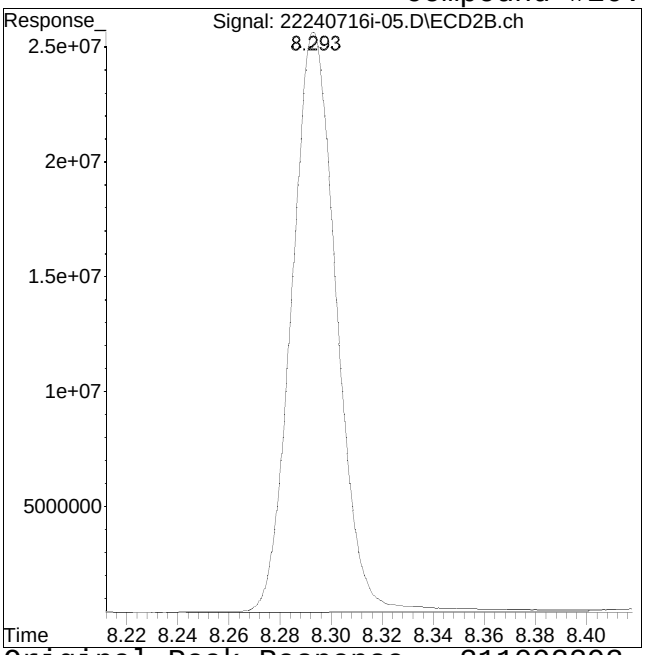


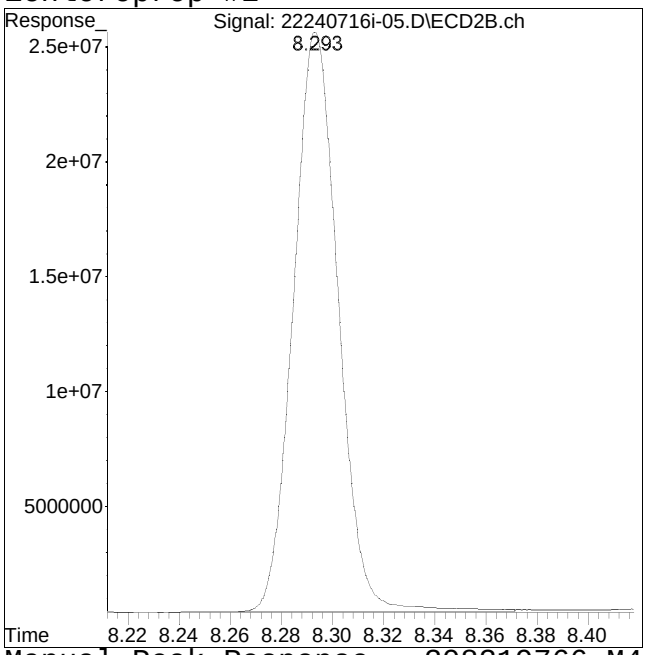
Original Peak Response = 306461758 Manual Peak Response = 306521238 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #20: Dichloroprop #2





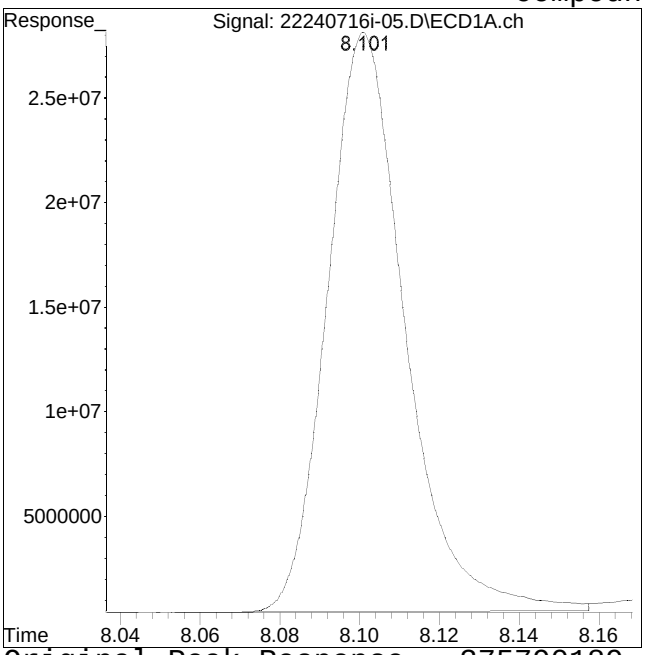
Original Peak Response = 311092393 Manual Peak Response = 308319766 M4
M4 = Poor automated baseline construction.

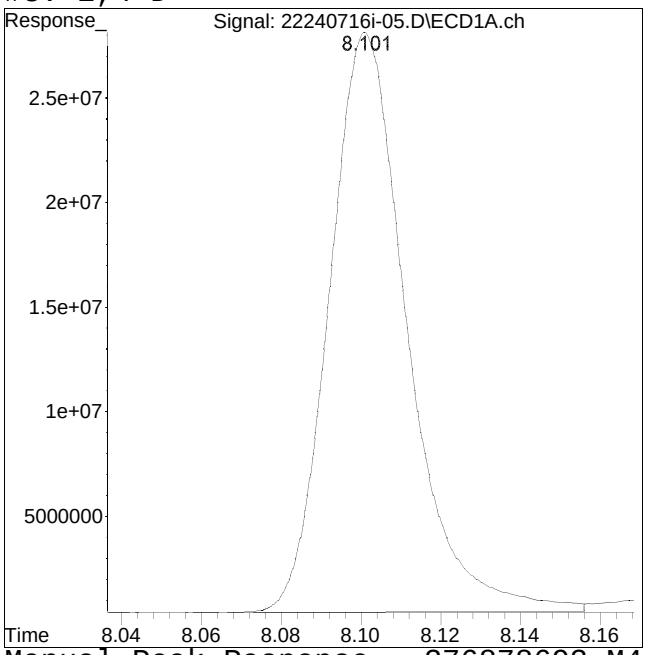
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-05.D
Date Inj'd : 7/16/2024 16:24
Sample : il4herb,42e,,pp 11630 L0.5

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:33 pm

Compound #8: 2,4-D



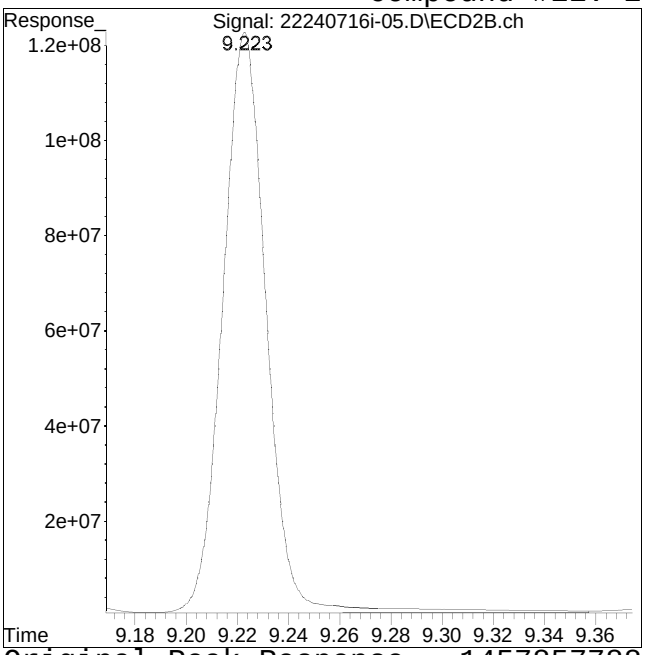


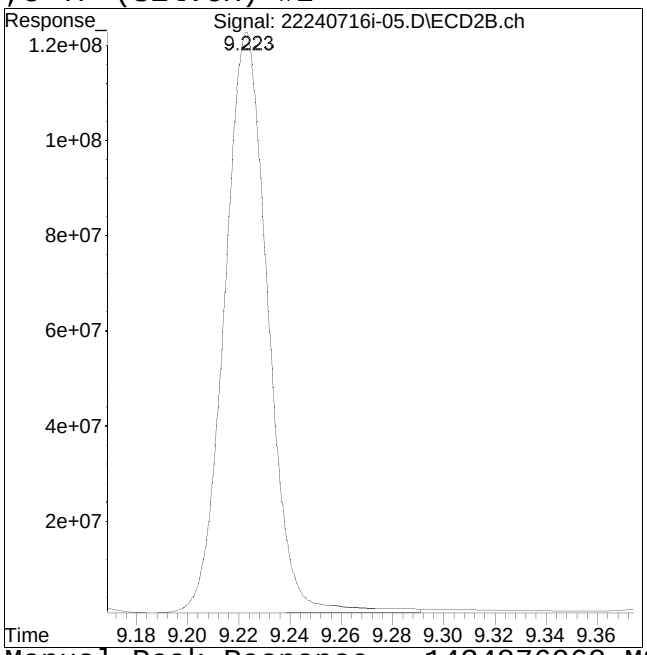
Original Peak Response = 375790189 Manual Peak Response = 376878693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #22: 2,4,5-TP (Silvex) #2



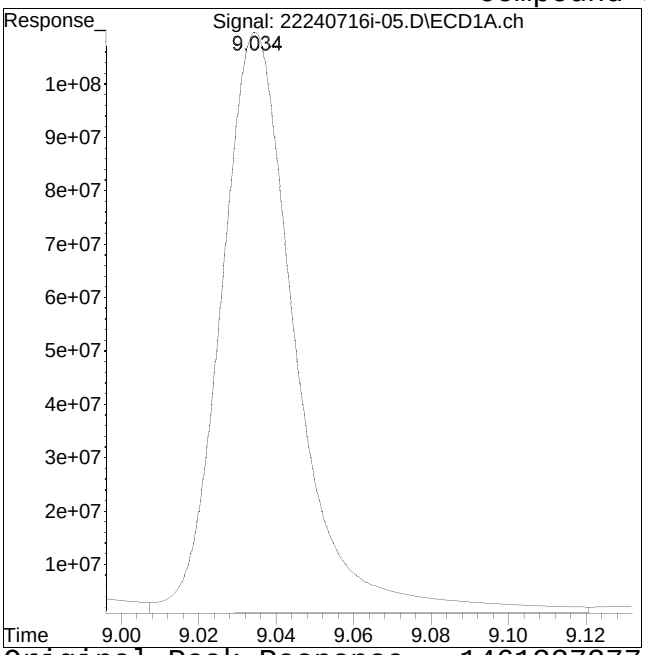


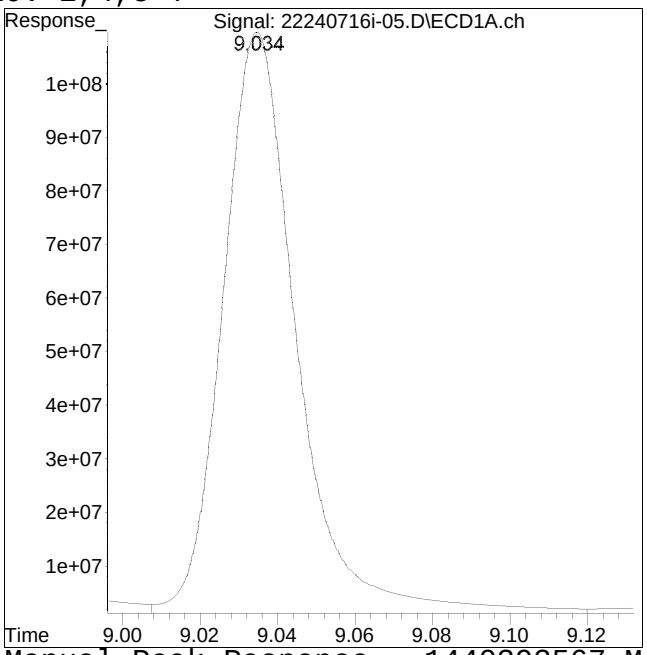
Original Peak Response = 1457857788 Manual Peak Response = 1434876968 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #10: 2,4,5-T



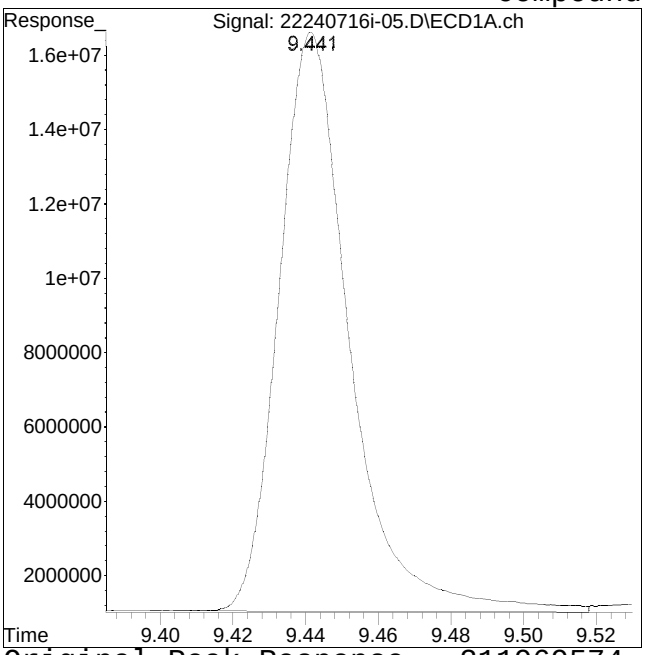


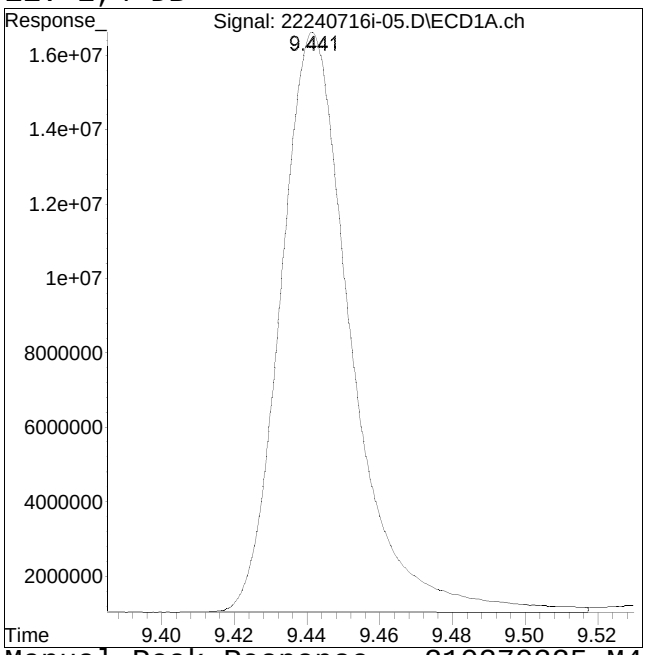
Original Peak Response = 1461327377 Manual Peak Response = 1440393567 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #11: 2,4-DB



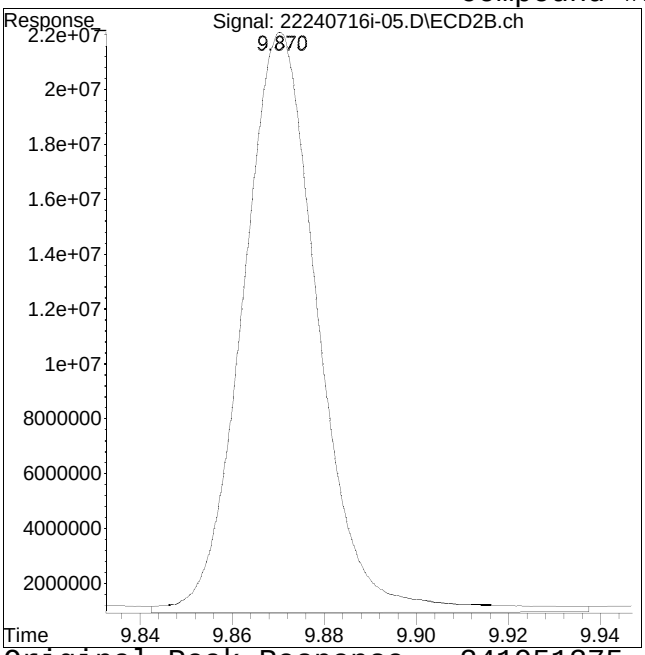


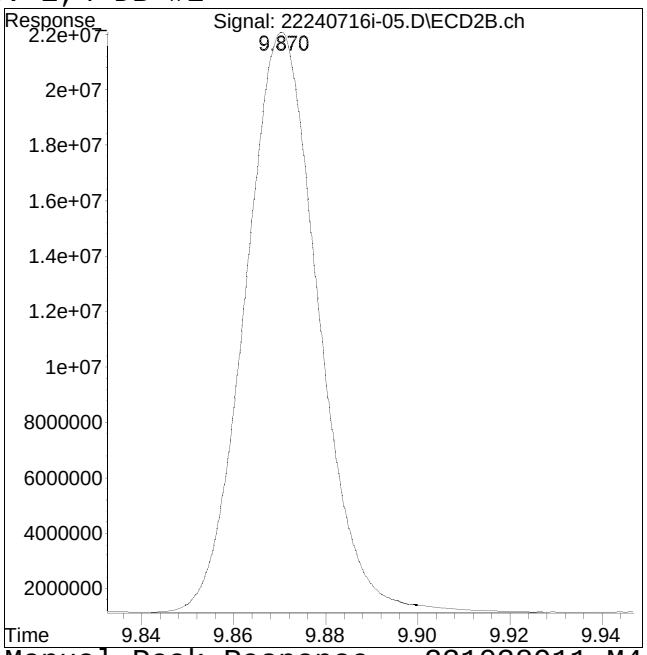
Original Peak Response = 211969574 Manual Peak Response = 210370325 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #24: 2,4-DB #2



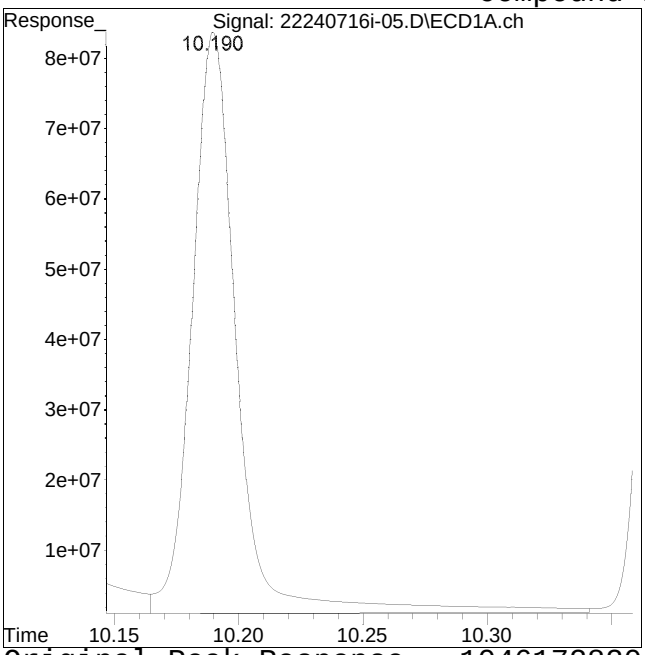


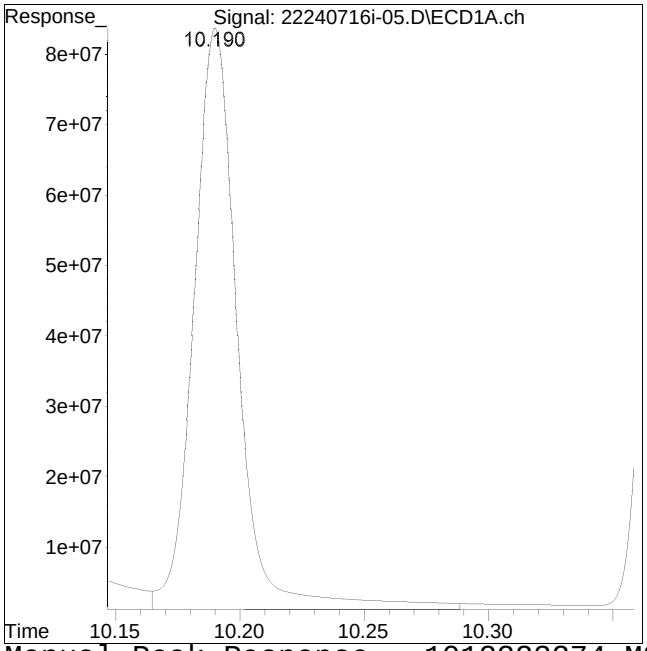
Original Peak Response = 241951375 Manual Peak Response = 231038911 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #12: Dinoseb



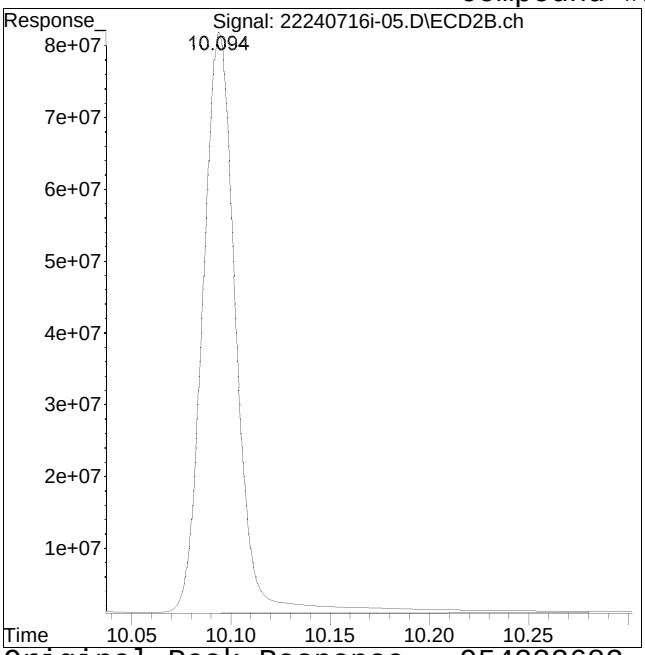


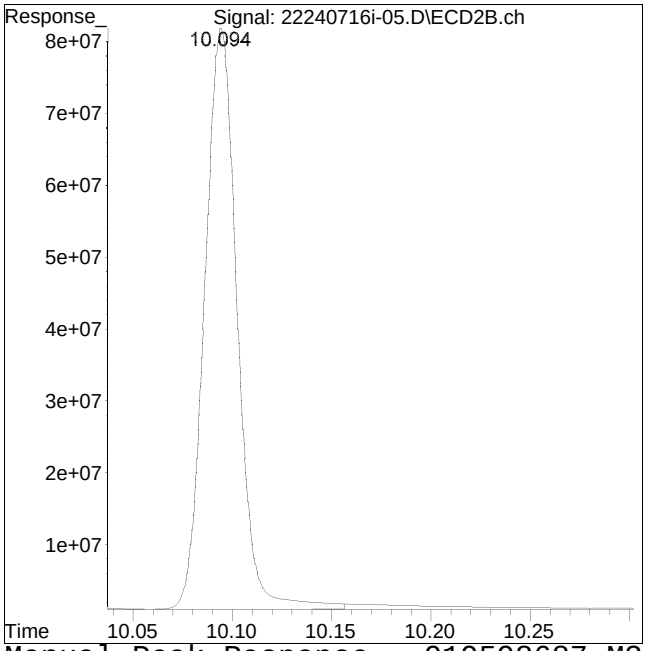
Original Peak Response = 1046172820 Manual Peak Response = 1012223274 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-05.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:24 Instrument : Pest22
Sample : il4herb,42e,,pp 11630 L0.5Quant Date : 7/16/2024 6:33 pm

Compound #25: Dinoseb #2





Original Peak Response = 954232682 Manual Peak Response = 919598687 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	1001.2E6	991.3E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.003	7.458	635.8E6	623.2E6	0.818M4	0.821M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	163.60%#	164.20%#
		Target Compounds						
2)	t	Dalapon	2.413	2.403	709.6E6	669.5E6	0.761	0.791
4)	t	Dicamba	7.186	7.639	1859.6E6	1884.5E6	0.826M4	0.841M4
5)	t	MCPP	7.388	7.751	185.9E6	226.4E6	99.650M3	95.269M4
6)	t	MCPA	7.534	7.977	293.8E6	344.6E6	85.044M4	84.353M4
7)	t	Dichloroprop	7.889	8.293	580.4E6	585.6E6	0.814	0.829M4
8)	t	2,4-D	8.099	8.566	724.4E6	758.5E6	0.836M4	0.798
9)	t	2,4,5-TP (Si	8.814	9.223	2789.0E6	2780.8E6	0.858M4	0.867M3
10)	t	2,4,5-T	9.033	9.510	2817.7E6	2661.5E6	0.867M4	0.878M4
11)	t	2,4-DB	9.439	9.870	404.8E6	449.4E6	0.852M4	0.885M4
12)	t	Dinoseb	10.190	10.094	1949.1E6	1799.9E6	0.845M3	0.871M3

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

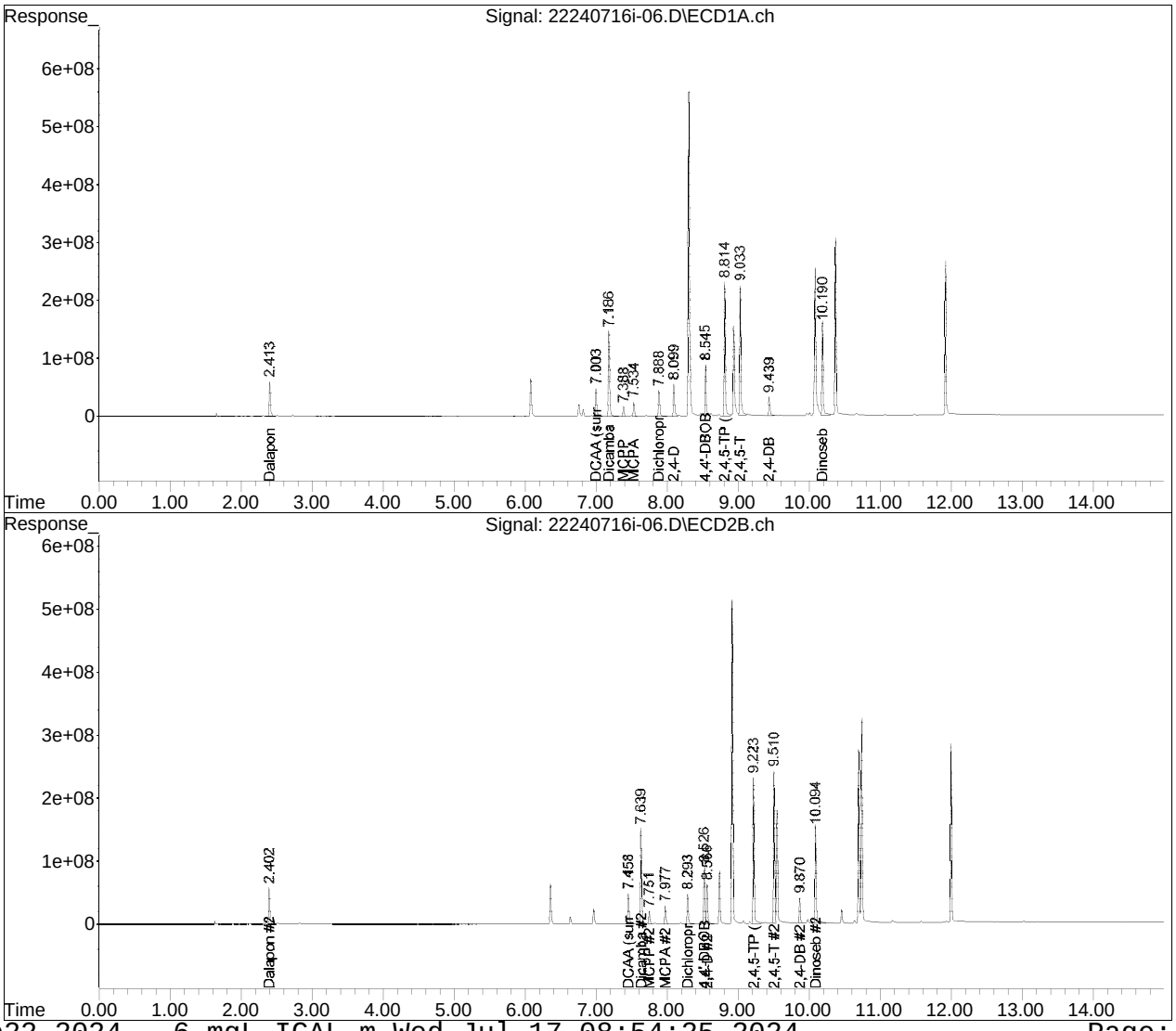
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-06.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 16:43
Operator : pest22:ejl
Sample : il5herb,42e,,pp 11629 L1/100
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:35:47 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:35:39 2024
Response via : Initial Calibration
Integrator: ChemStation

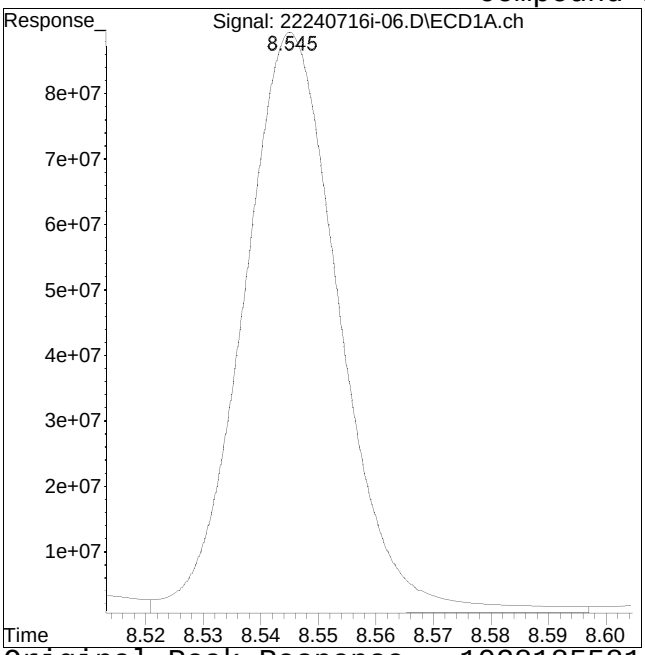
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

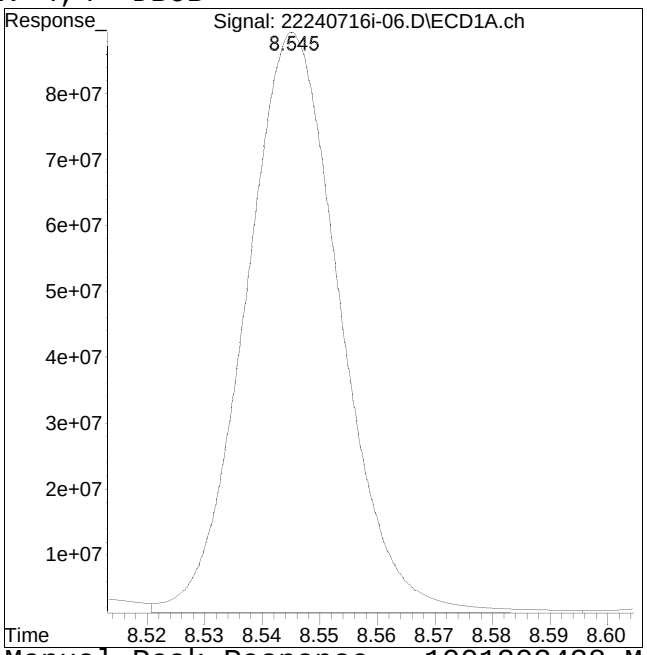


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #1: 4,4'-DBOB



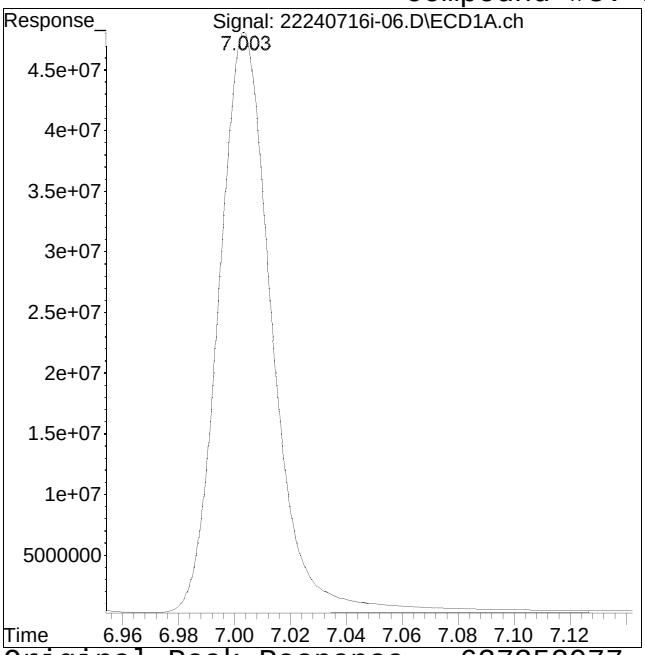


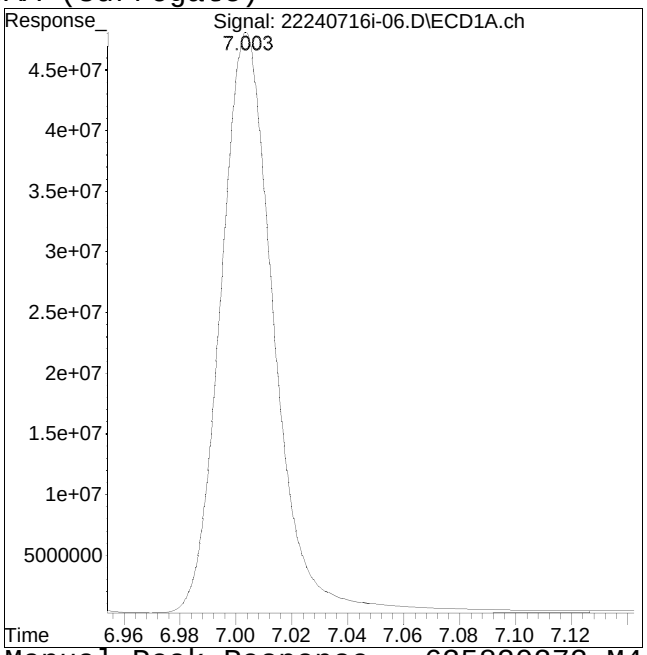
Original Peak Response = 1028185581 Manual Peak Response = 1001202438 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #3: DCAA (surrogate)



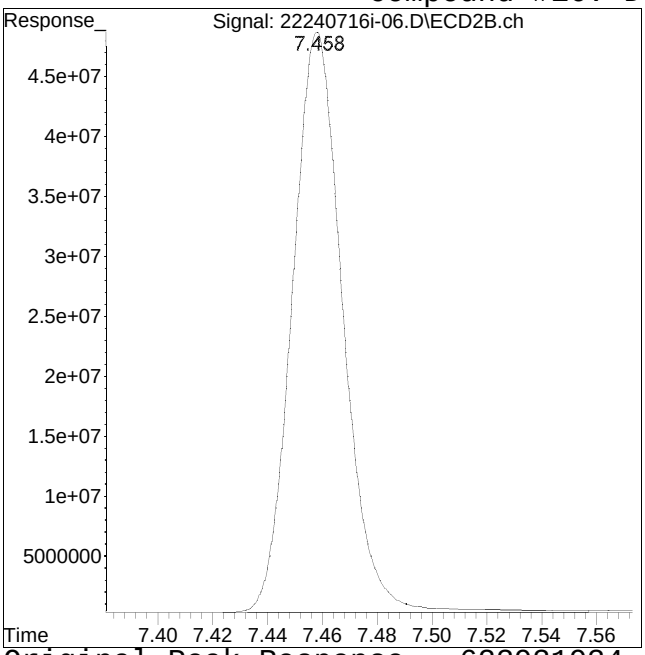


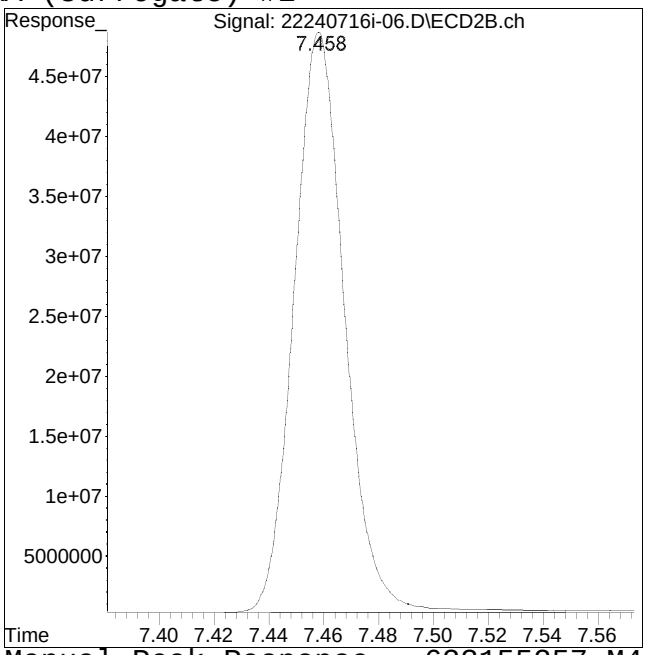
Original Peak Response = 637352977 Manual Peak Response = 635820272 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #16: DCAA (surrogate) #2



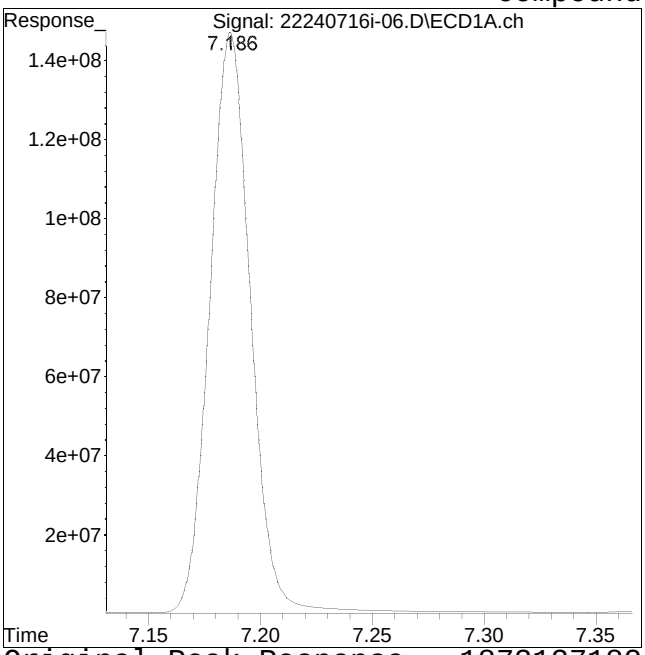


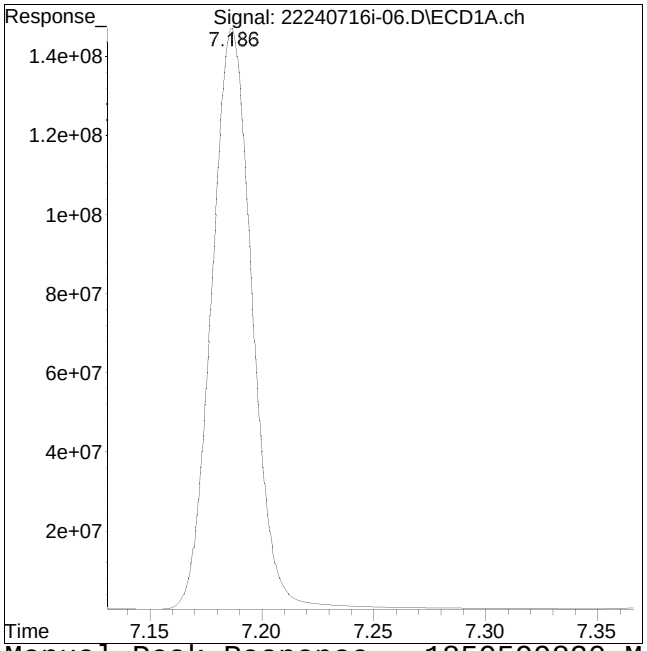
Original Peak Response = 623931934 Manual Peak Response = 623155257 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #4: Dicamba



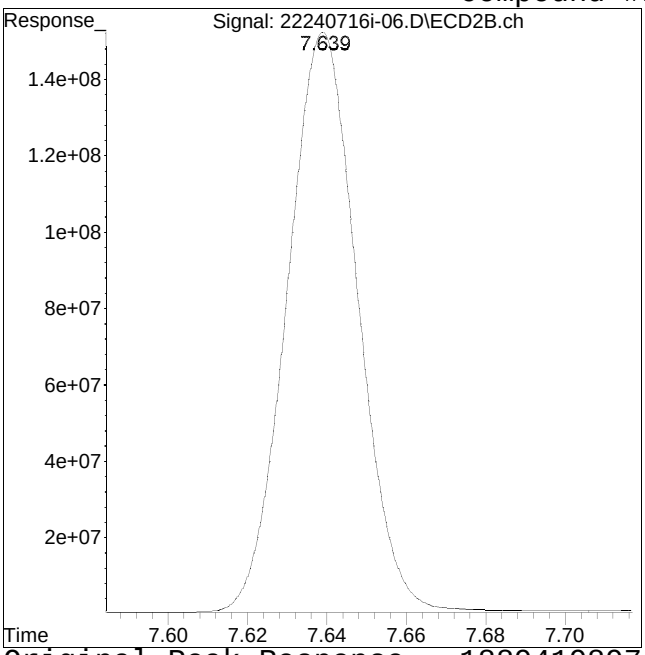


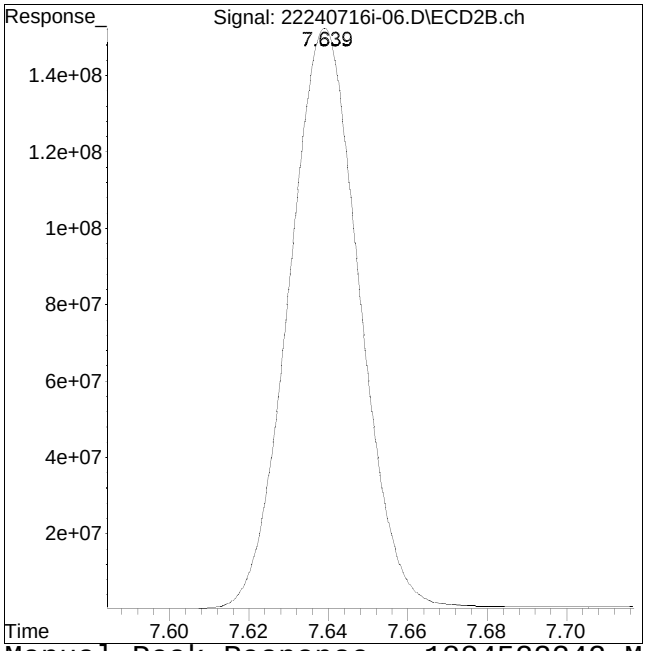
Original Peak Response = 1873127182 Manual Peak Response = 1859599820 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #17: Dicamba #2



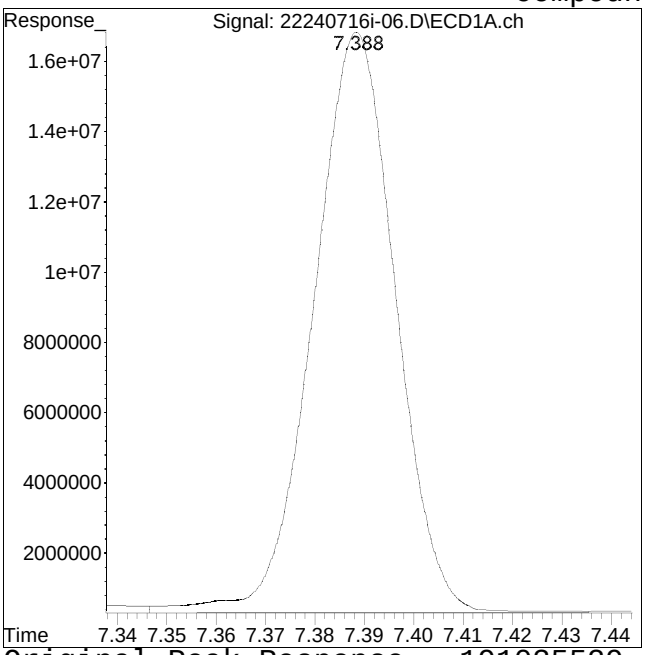


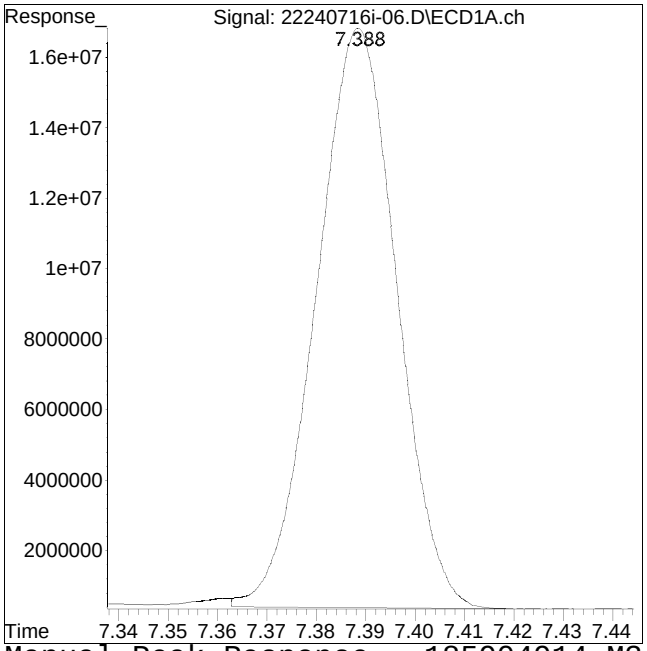
Original Peak Response = 1889419897 Manual Peak Response = 1884522242 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #5: MCPP





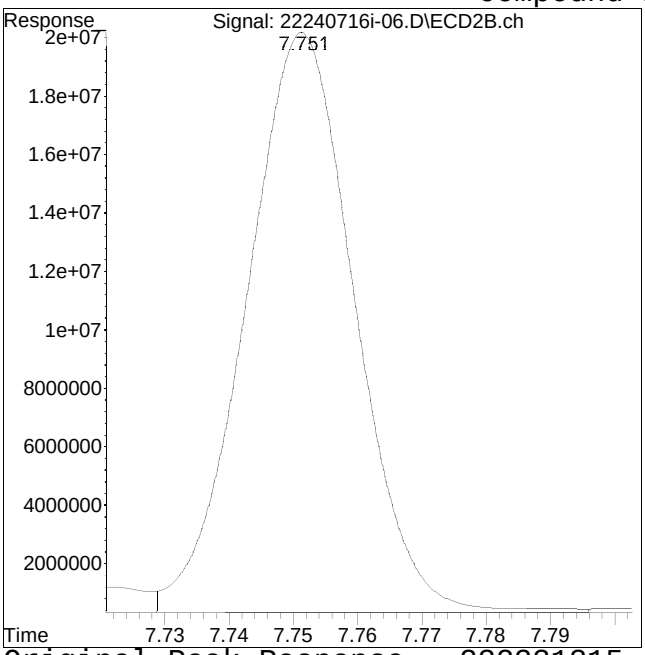
Original Peak Response = 191035529 Manual Peak Response = 185904914 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

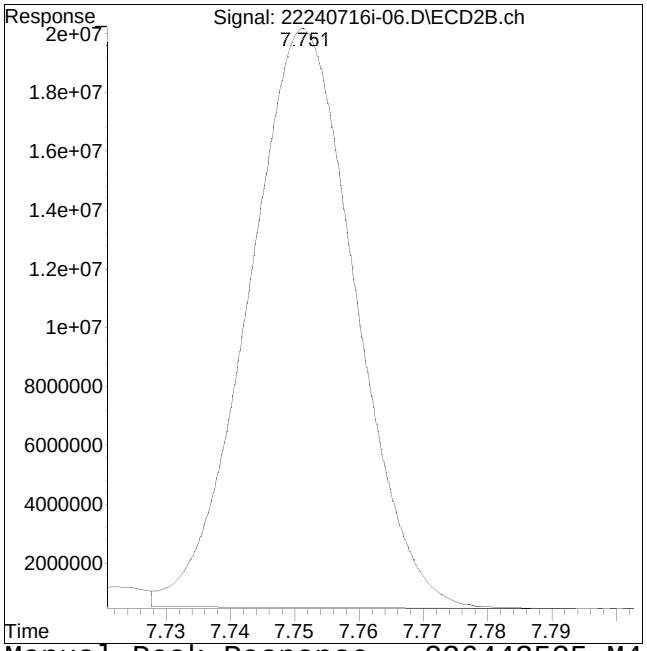
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-06.D
Date Inj'd : 7/16/2024 16:43
Sample : il5herb,42e,,pp 11629 L1/1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:35 pm

Compound #18: MCPP #2





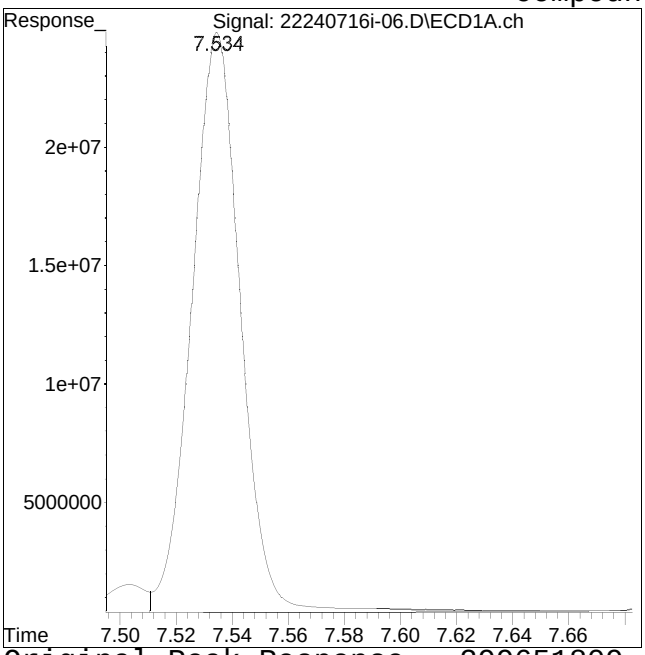
Original Peak Response = 232331315 Manual Peak Response = 226443535 M4
M4 = Poor automated baseline construction.

Manual Integration Report

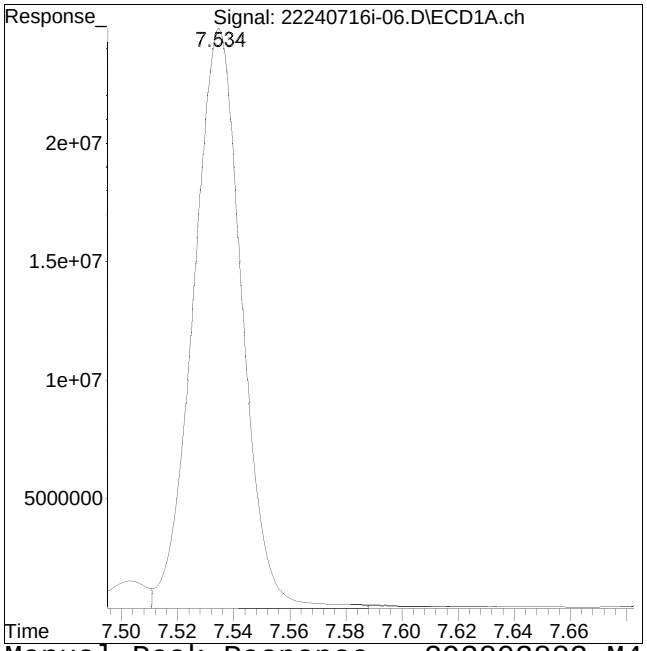
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-06.D
Date Inj'd : 7/16/2024 16:43
Sample : il5herb,42e,,pp 11629 L1/1

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:35 pm

Compound #6: MCPA



Original Peak Response = 299651809



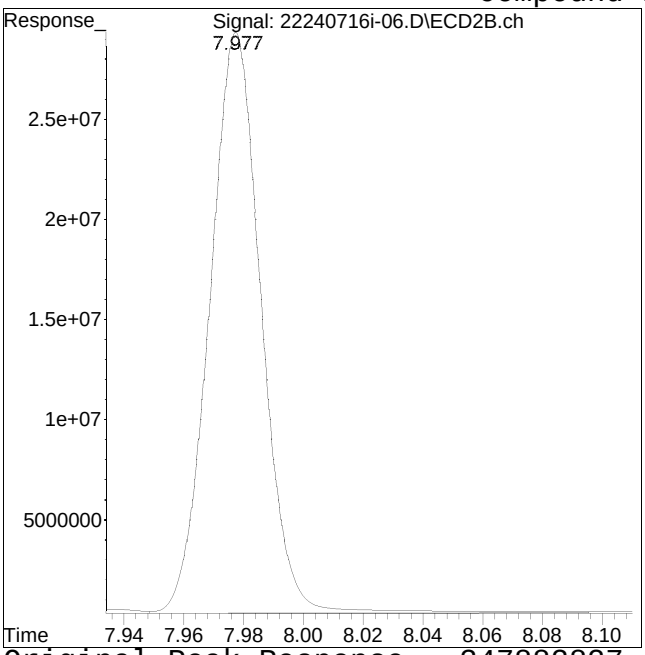
Manual Peak Response = 293803883 M4

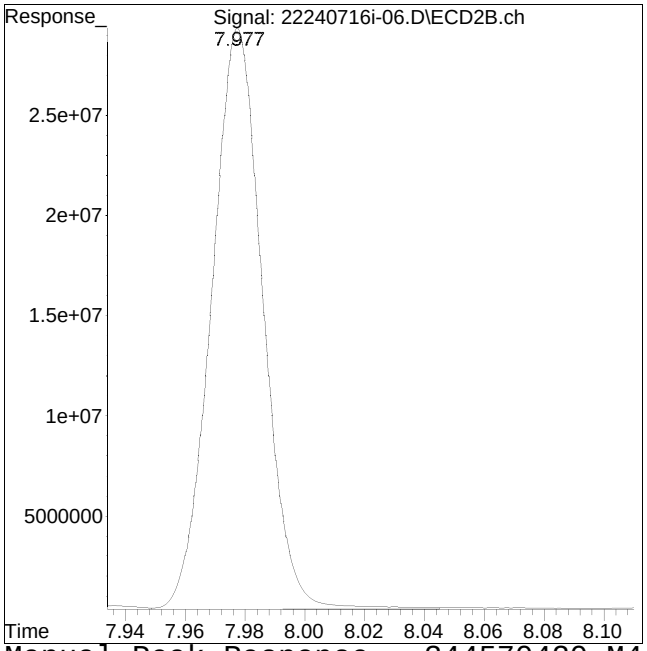
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #19: MCPA #2



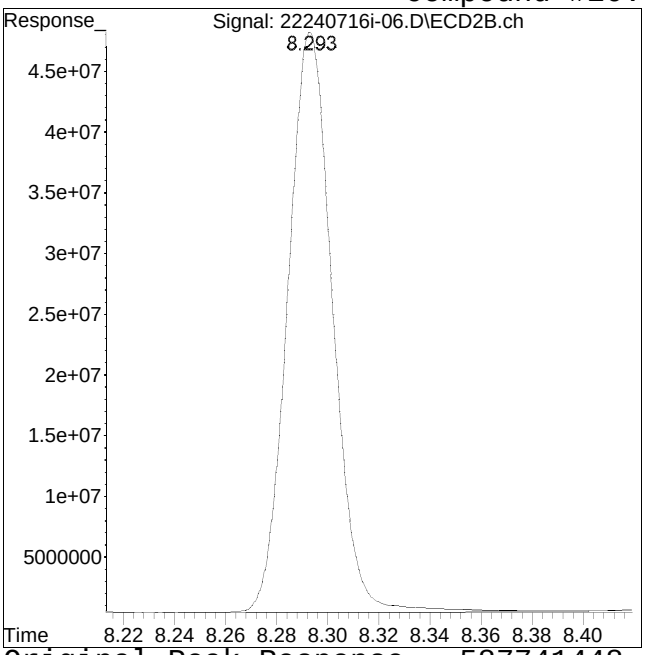


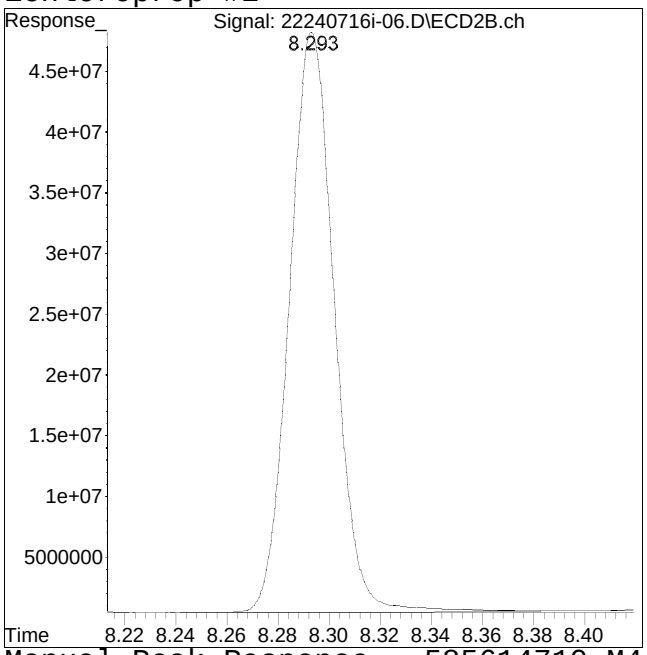
Original Peak Response = 347882827 Manual Peak Response = 344570420 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #20: Dichloroprop #2



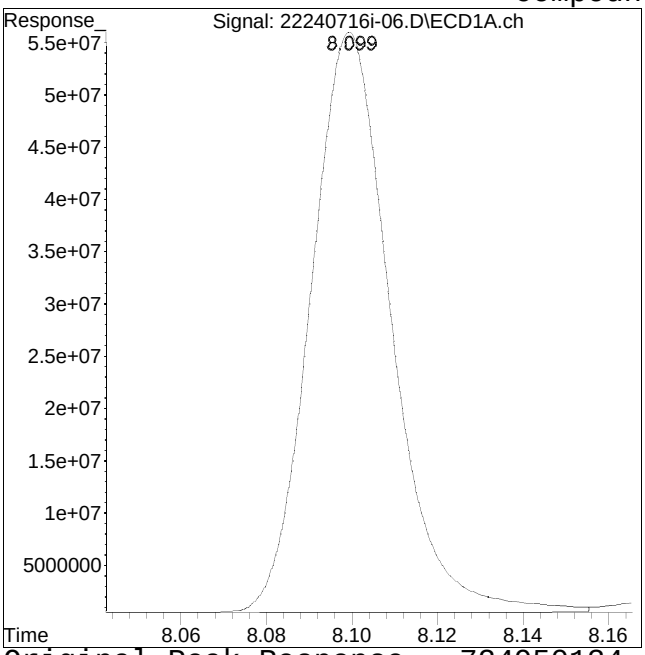


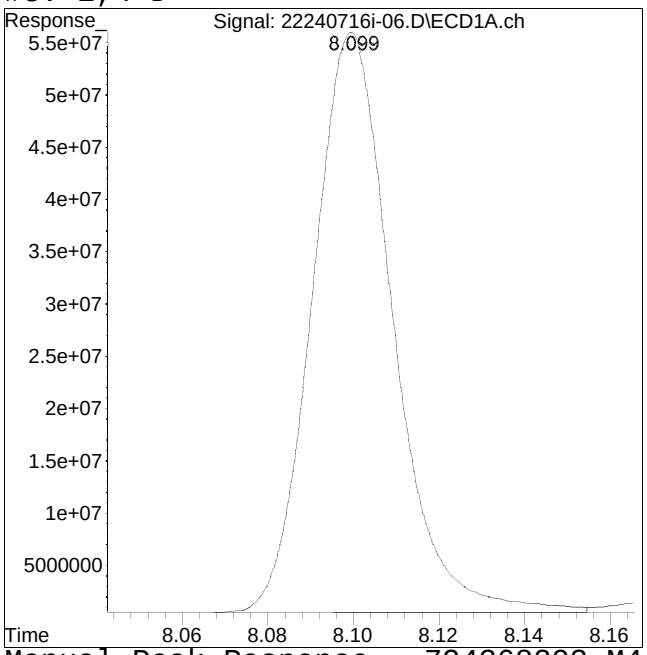
Original Peak Response = 587741448 Manual Peak Response = 585614710 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #8: 2,4-D



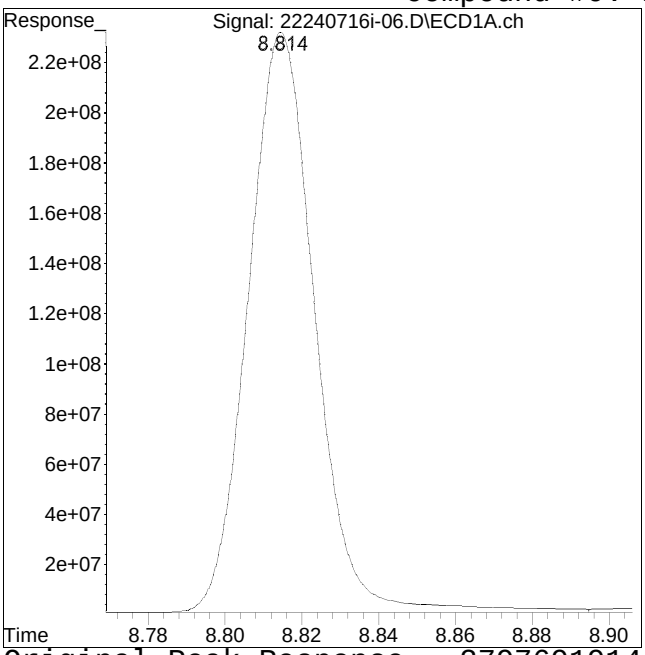


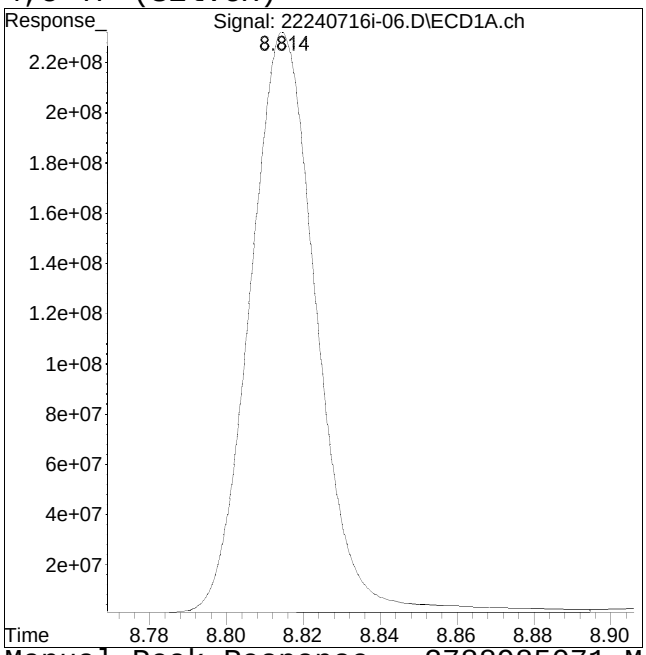
Original Peak Response = 724950134 Manual Peak Response = 724368293 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #9: 2,4,5-TP (Silvex)



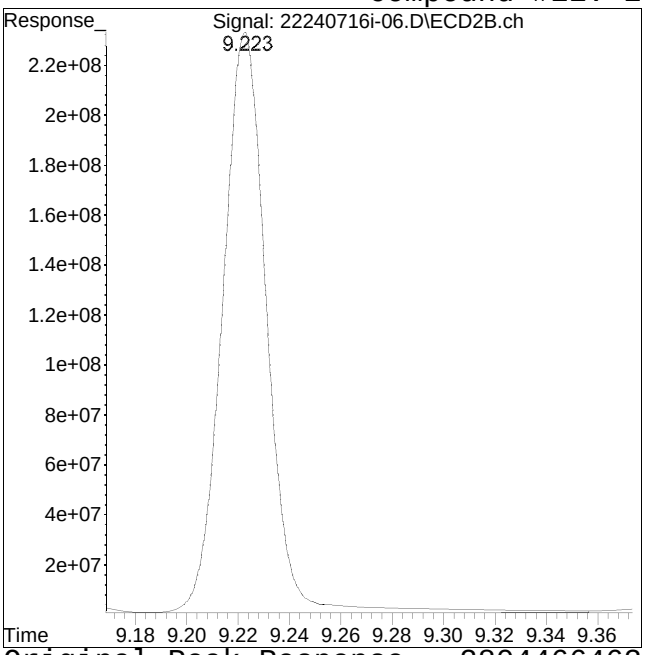


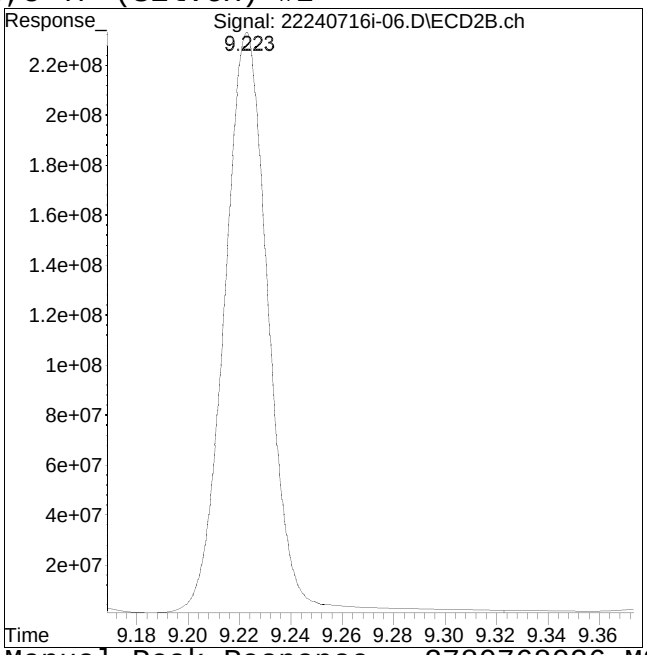
Original Peak Response = 2797691914 Manual Peak Response = 2788985071 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #22: 2,4,5-TP (Silvex) #2



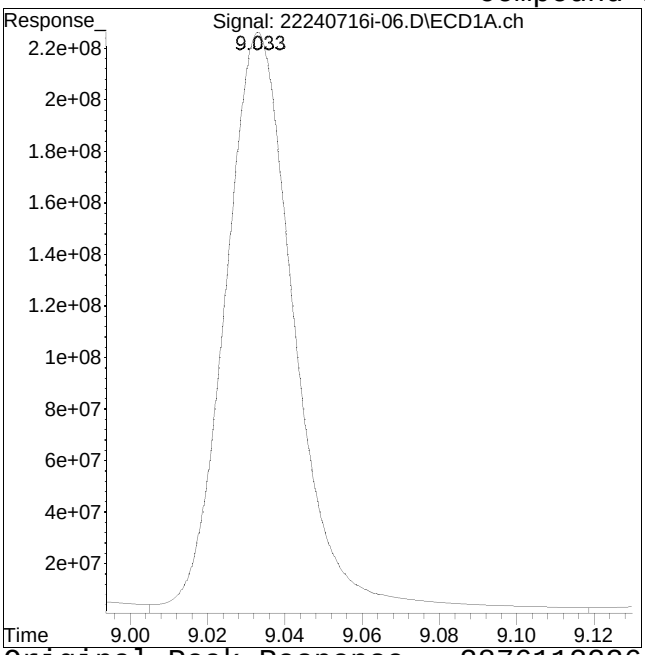


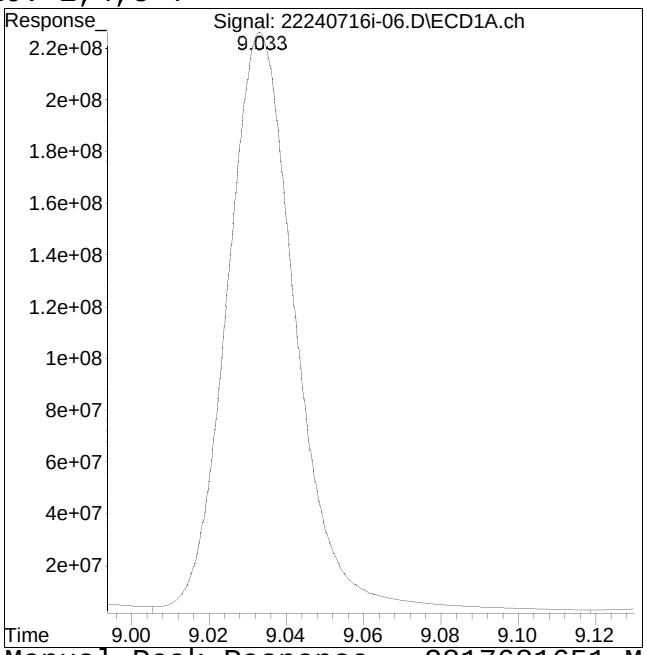
Original Peak Response = 2804466463 Manual Peak Response = 2780768026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #10: 2,4,5-T



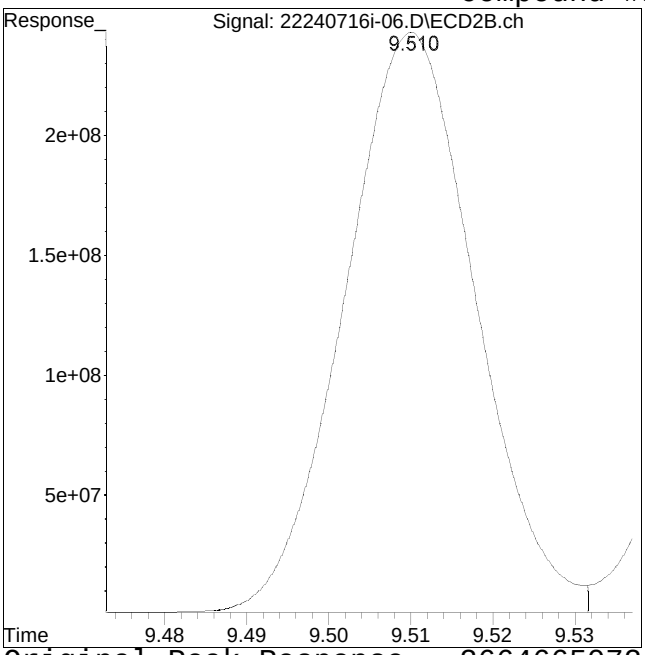


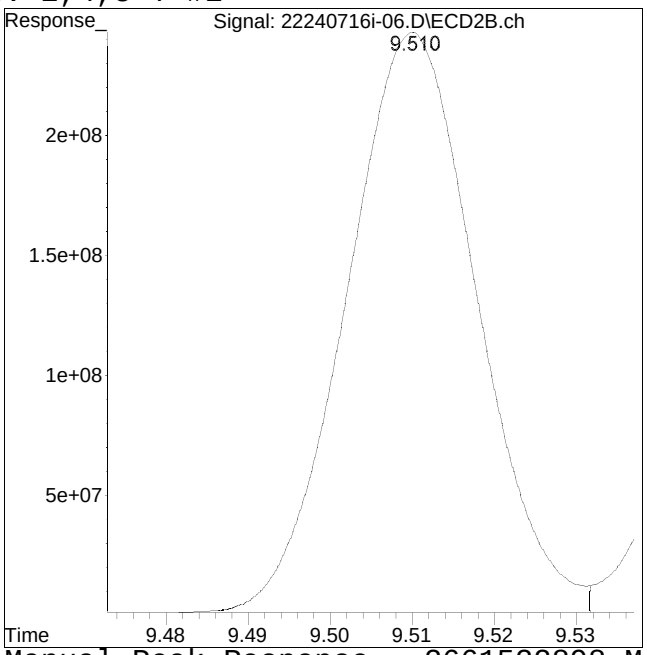
Original Peak Response = 2876112226 Manual Peak Response = 2817681651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #23: 2,4,5-T #2



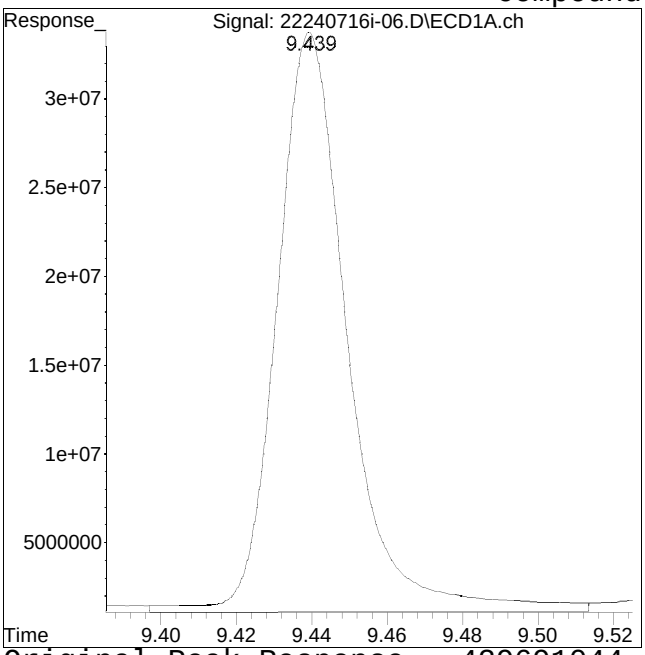


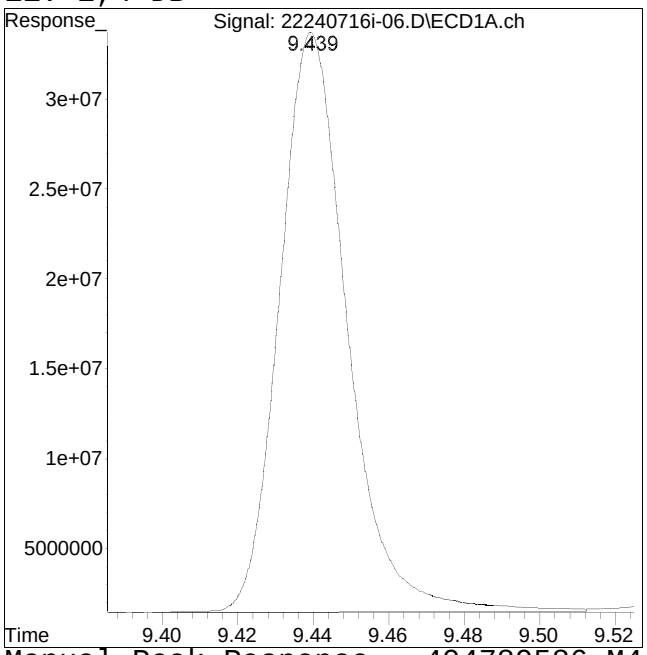
Original Peak Response = 2664665072 Manual Peak Response = 2661522898 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #11: 2,4-DB



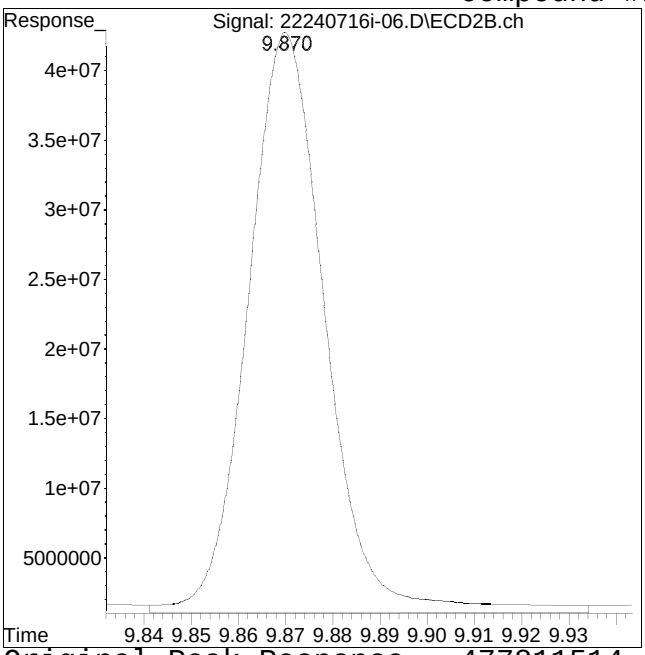


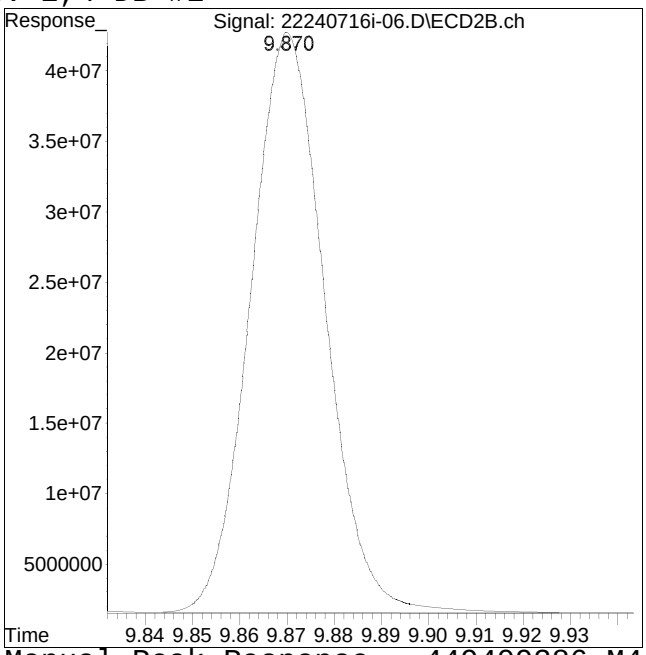
Original Peak Response = 429691044 Manual Peak Response = 404789586 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #24: 2,4-DB #2



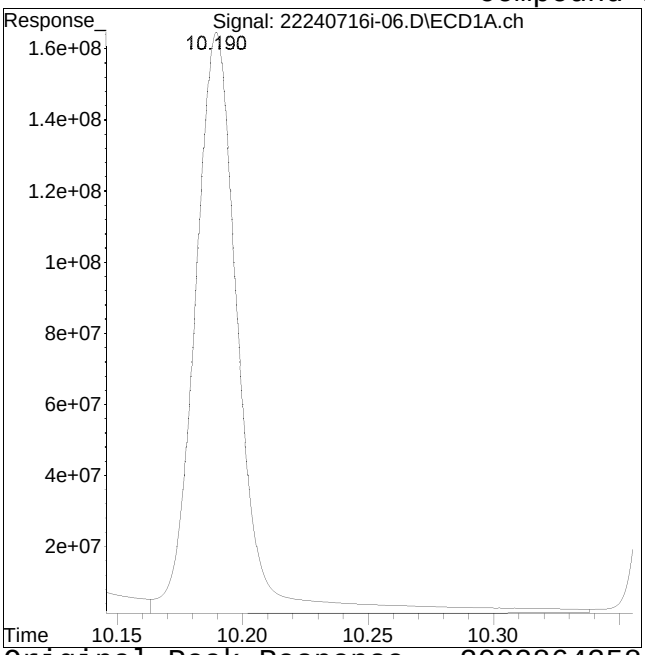


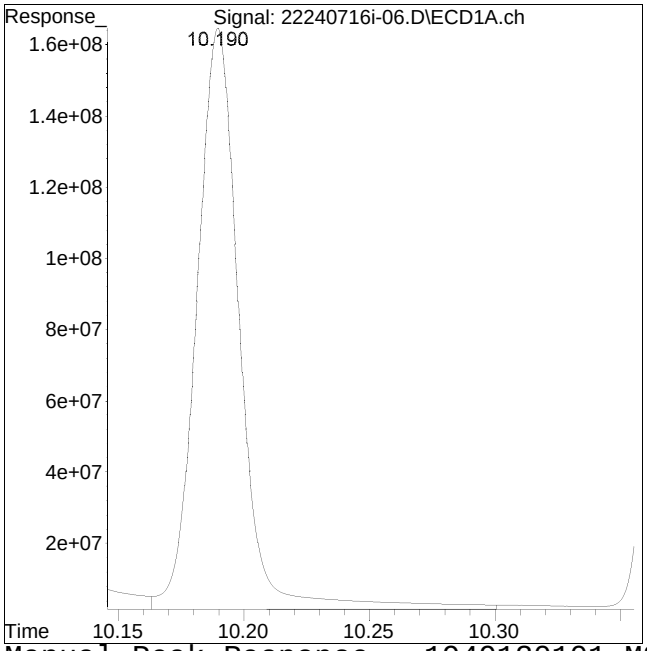
Original Peak Response = 477811514 Manual Peak Response = 449409386 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #12: Dinoseb



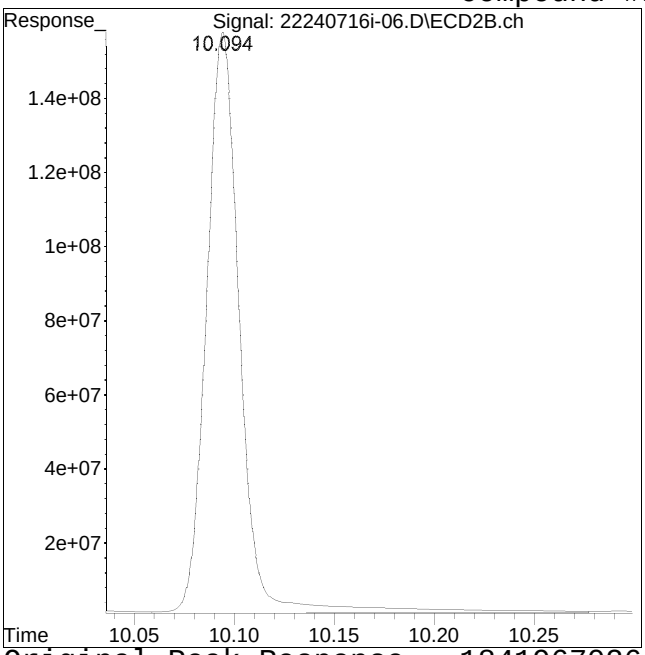


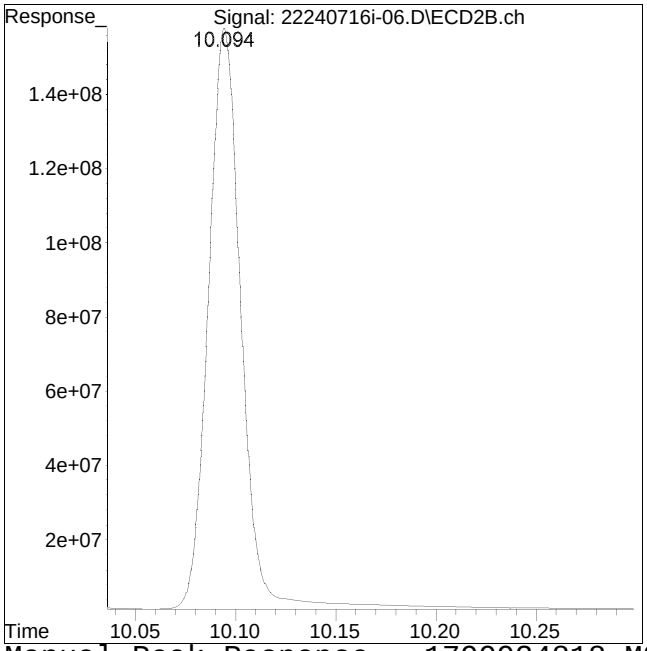
Original Peak Response = 2002864358 Manual Peak Response = 1949130101 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-06.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 16:43 Instrument : Pest22
Sample : il5herb,42e,,pp 11629 L1/1Quant Date : 7/16/2024 6:35 pm

Compound #25: Dinoseb #2





Original Peak Response = 1841967026 Manual Peak Response = 1799934818 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.527	1015.1E6	988.6E6	0.250M4	0.250
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.002	7.458	1192.1E6	1177.4E6	1.582M4	1.624M4
		Spiked Amount	0.500	Range	30 - 150	Recovery =	316.40%#	324.80%#
		Target Compounds						
2)	t	Dalapon	2.413	2.402	1332.9E6	1268.8E6	1.492	1.572
4)	t	Dicamba	7.186	7.639	3589.1E6	3642.6E6	1.638M3	1.689M4
5)	t	MCPP	7.390	7.753	388.6E6	464.1E6	201.430M3	194.893M4
6)	t	MCPA	7.536	7.980	580.1E6	671.2E6	170.499M4	170.043M4
7)	t	Dichloroprop	7.888	8.293	1082.7E6	1100.0E6	1.568	1.625M3
8)	t	2,4-D	8.098	8.566	1379.9E6	1448.4E6	1.631M4	1.609
9)	t	2,4,5-TP (Si	8.814	9.223	5330.5E6	5302.3E6	1.672M4	1.707M3
10)	t	2,4,5-T	9.032	9.510	5458.2E6	5216.8E6	1.707M4	1.770M4
11)	t	2,4-DB	9.438	9.870	774.6E6	865.0E6	1.671M4	1.754M4
12)	t	Dinoseb	10.189	10.094	3721.2E6	3387.5E6	1.652M3	1.690M3
		SemiQuant Compounds - Not Calibrated on this Instrument						

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

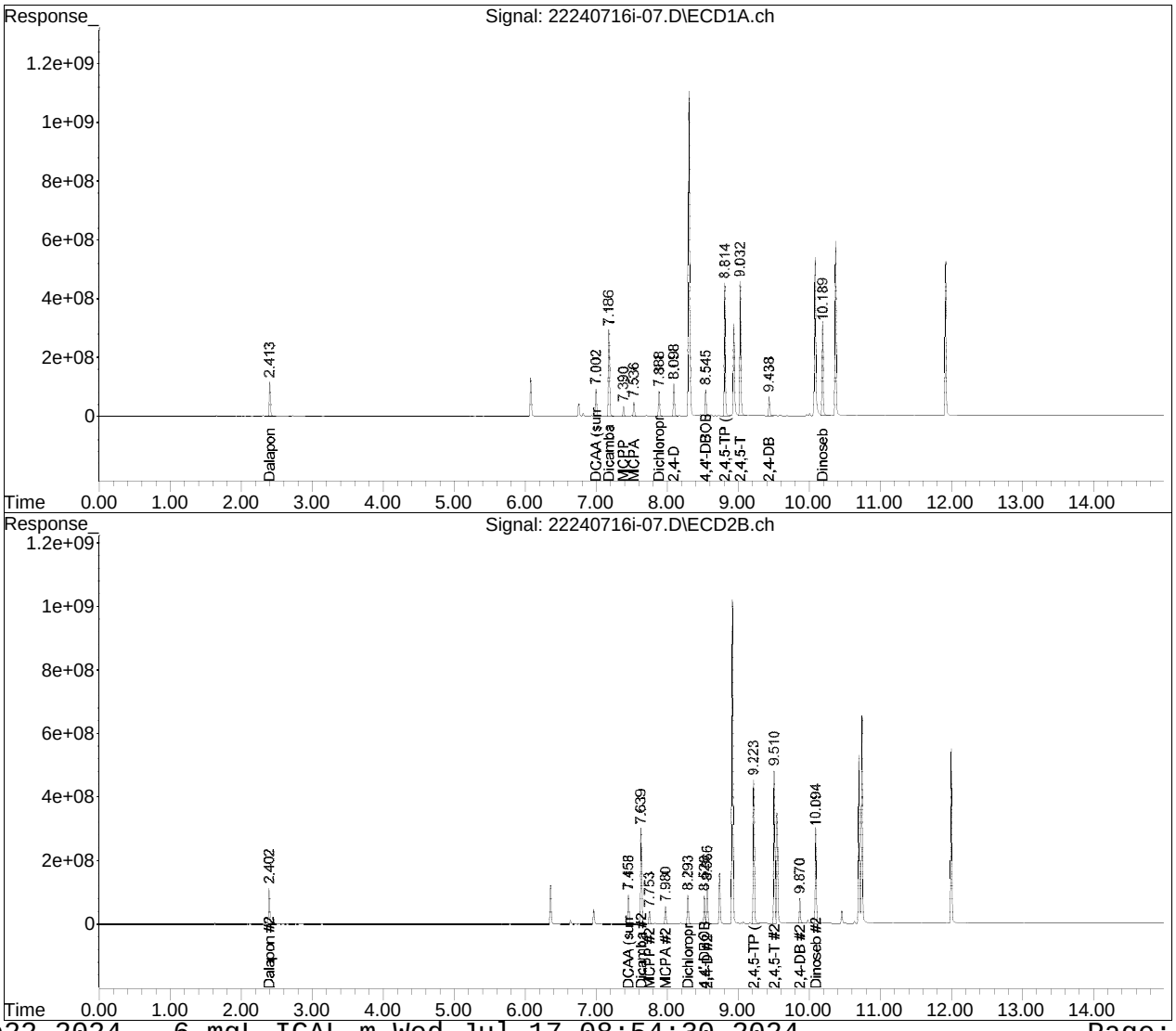
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-07.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:01
Operator : pest22:ejl
Sample : il6herb,42e,,pp 11628 L2/200
Misc : WG1947963,,ical (Sig #1); ical (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:38:51 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:38:42 2024
Response via : Initial Calibration
Integrator: ChemStation

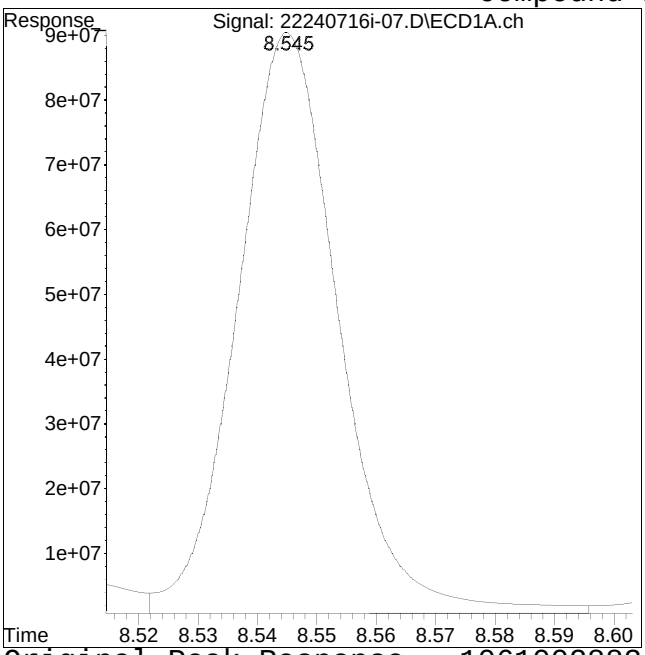
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

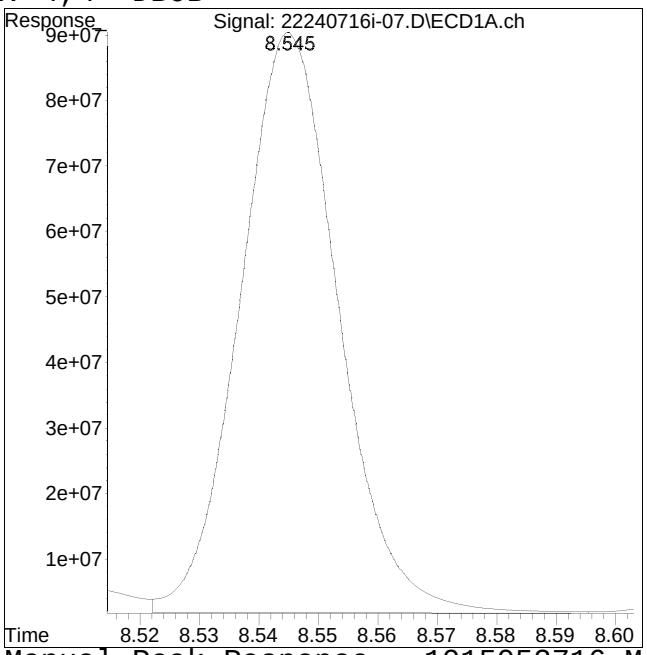


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #1: 4,4'-DBOB



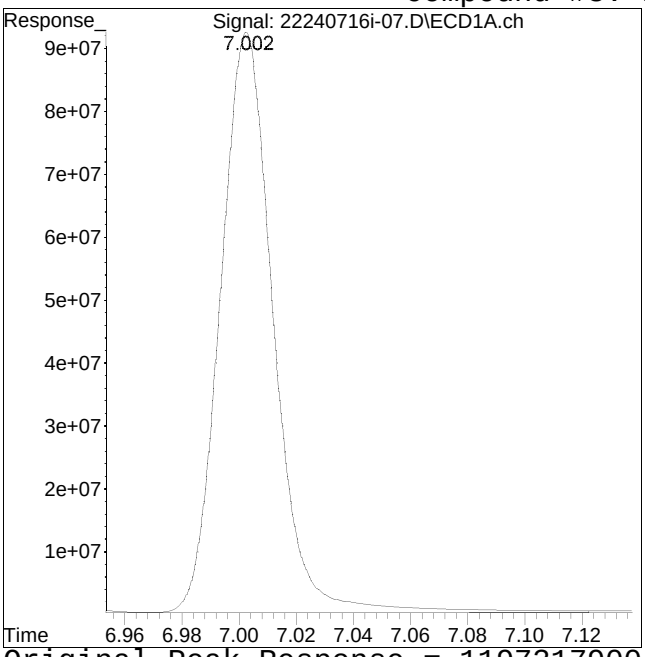


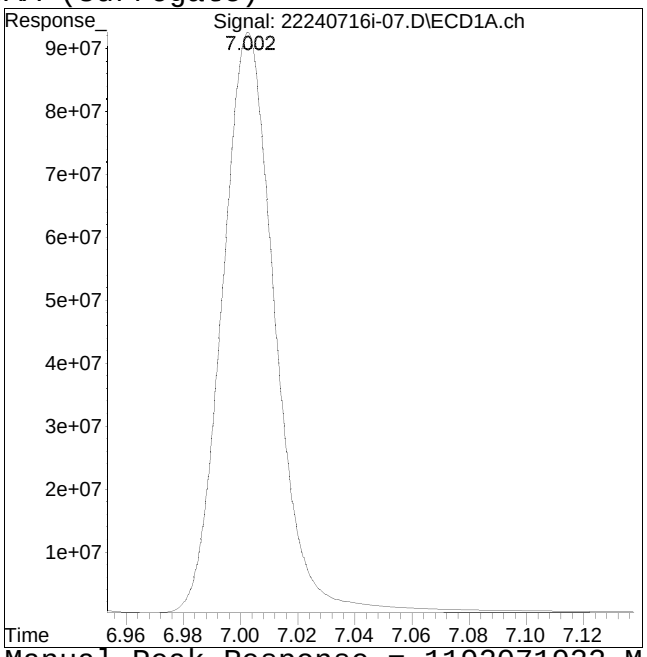
Original Peak Response = 1061002883 Manual Peak Response = 1015052716 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #3: DCAA (surrogate)





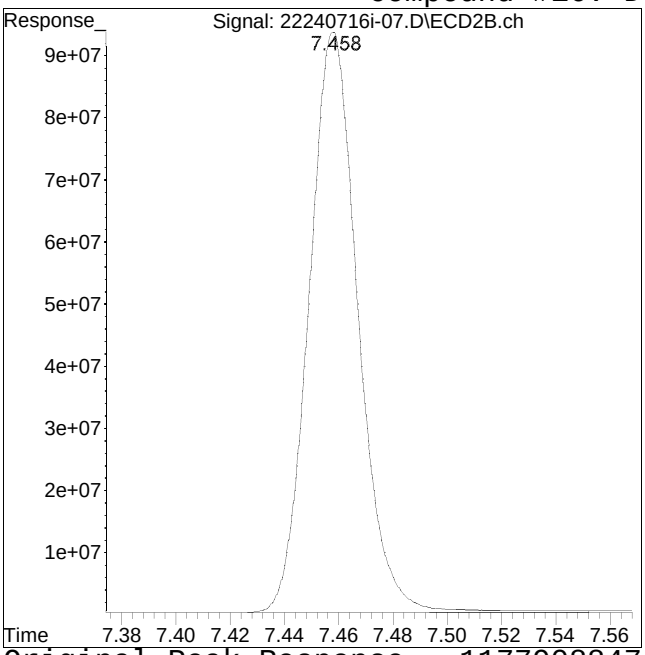
Original Peak Response = 1197317900 Manual Peak Response = 1192071922 M4
M4 = Poor automated baseline construction.

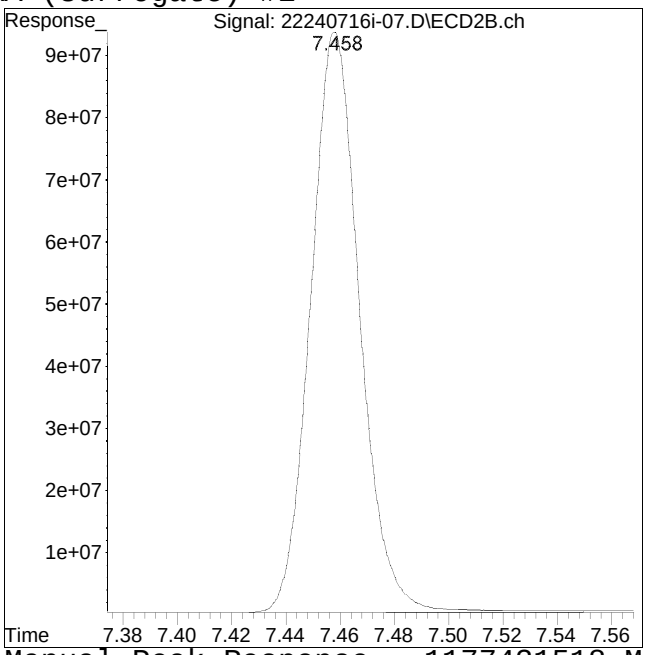
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #16: DCAA (surrogate) #2



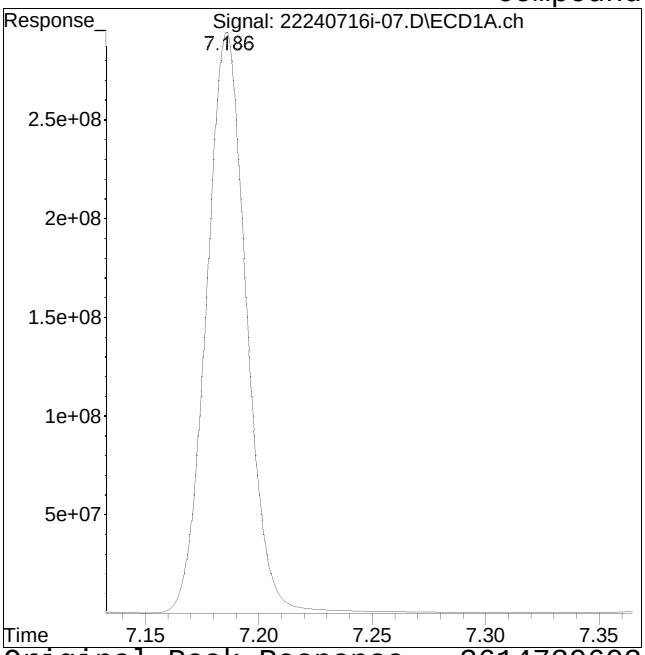


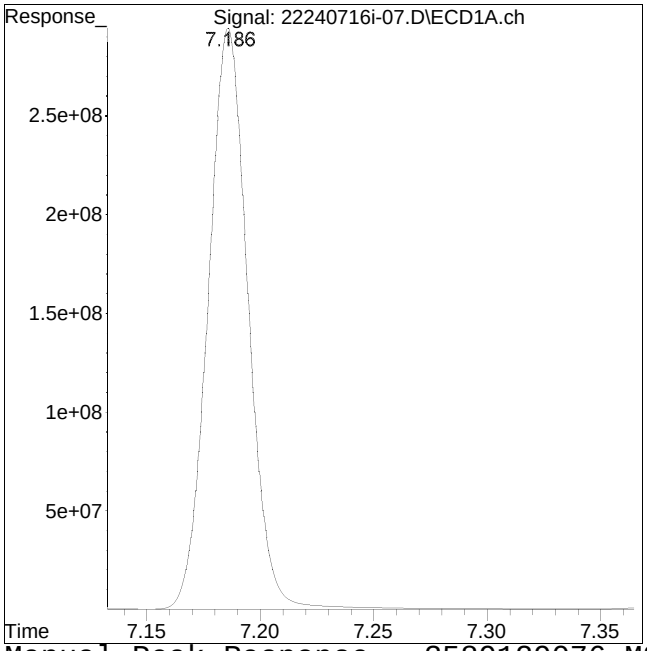
Original Peak Response = 1177908847 Manual Peak Response = 1177431518 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #4: Dicamba



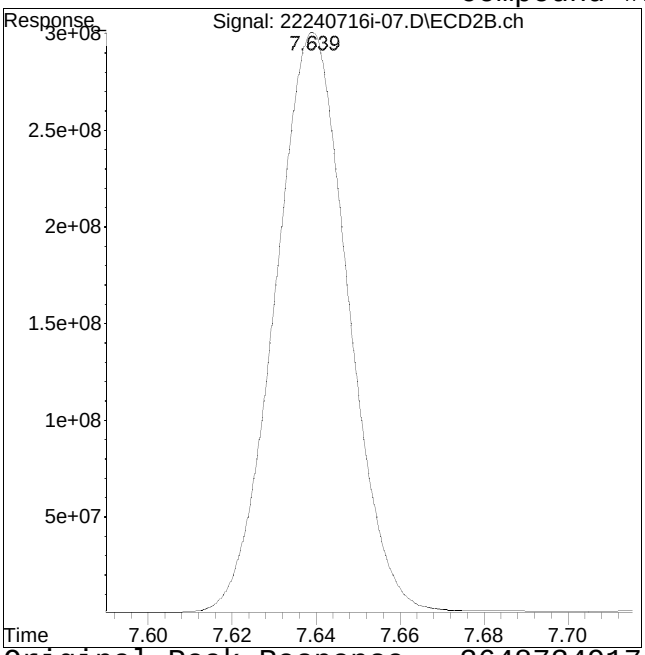


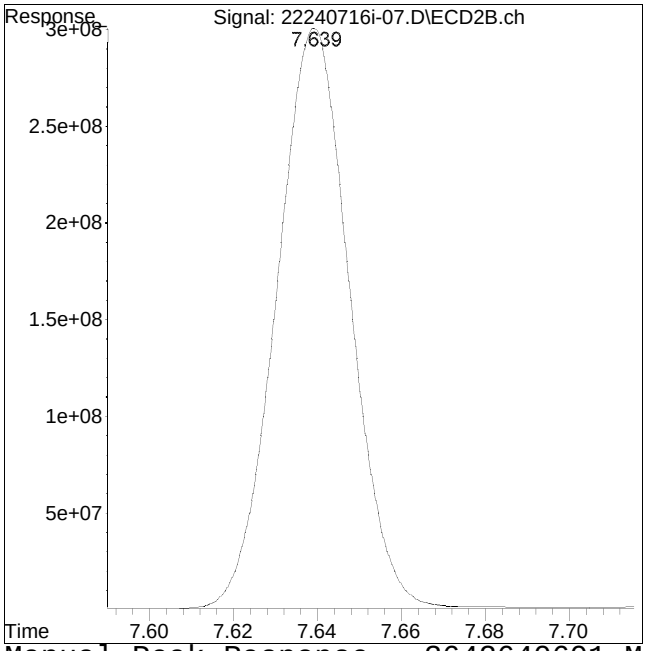
Original Peak Response = 3614739603 Manual Peak Response = 3589129076 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #17: Dicamba #2



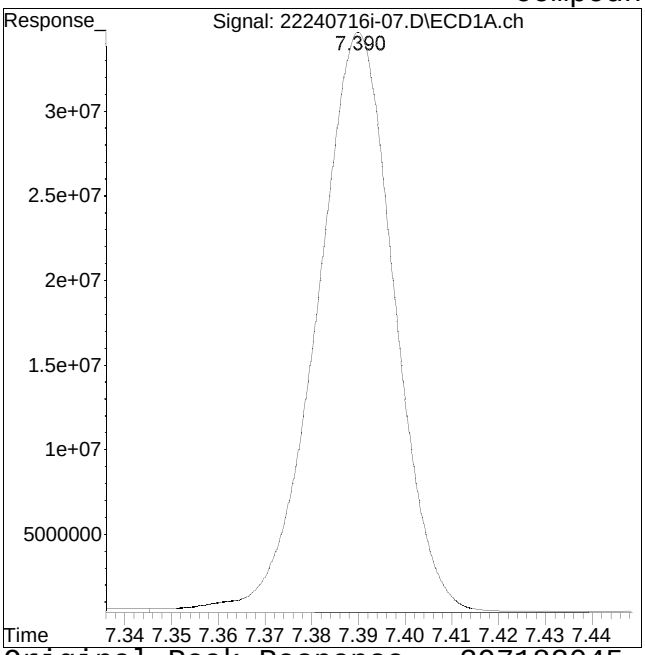


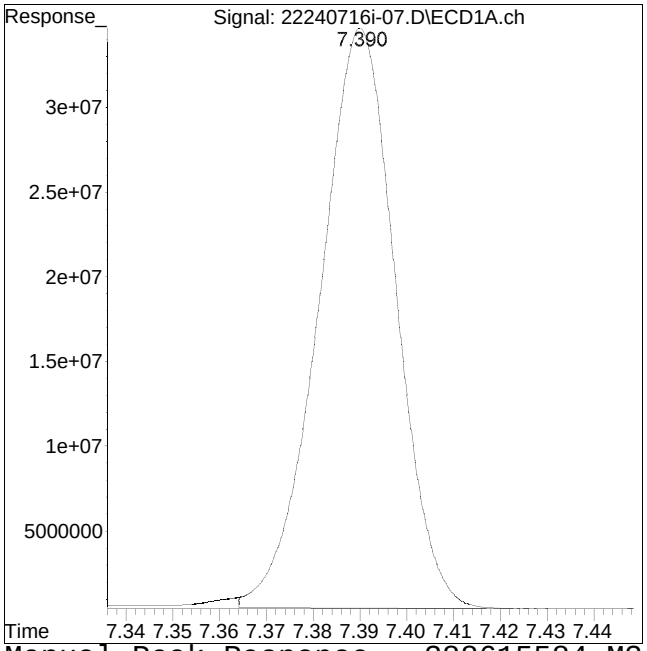
Original Peak Response = 3648734917 Manual Peak Response = 3642640601 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #5: MCPP



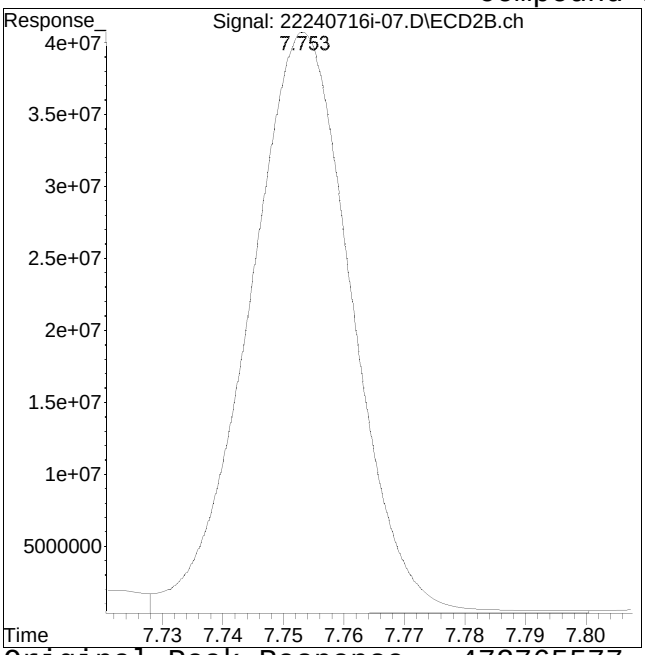


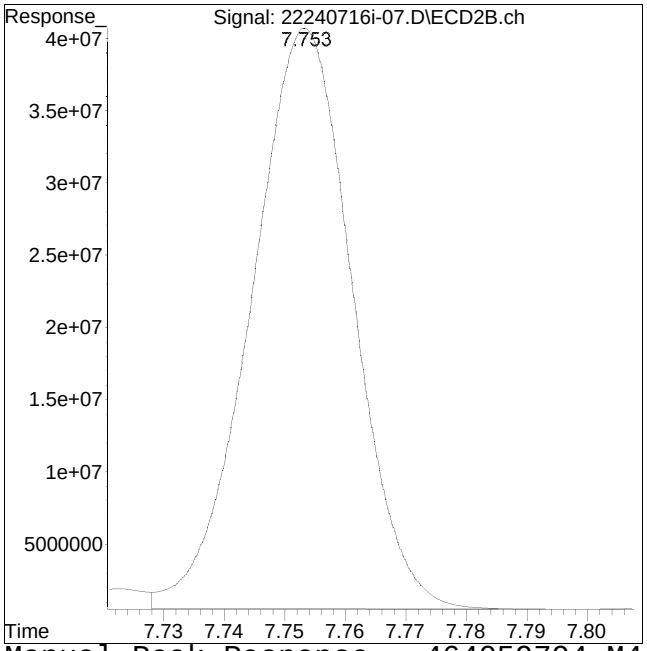
Original Peak Response = 397183045 Manual Peak Response = 388615584 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #18: MCPP #2





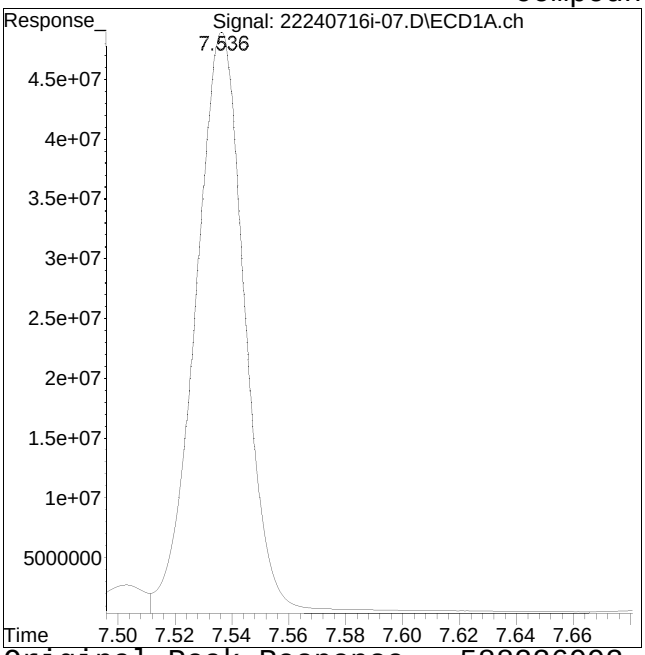
Original Peak Response = 472765577 Manual Peak Response = 464059794 M4
M4 = Poor automated baseline construction.

Manual Integration Report

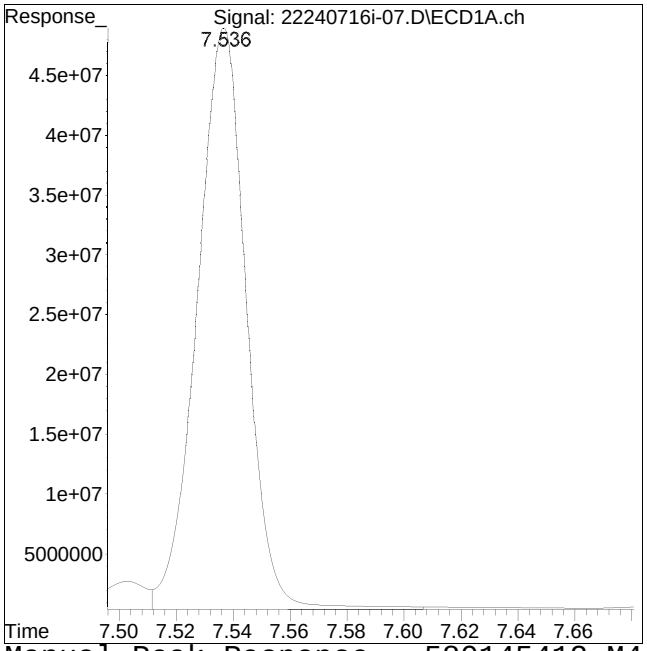
Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #6: MCPA



Original Peak Response = 588236993



Manual Peak Response = 580145412 M4

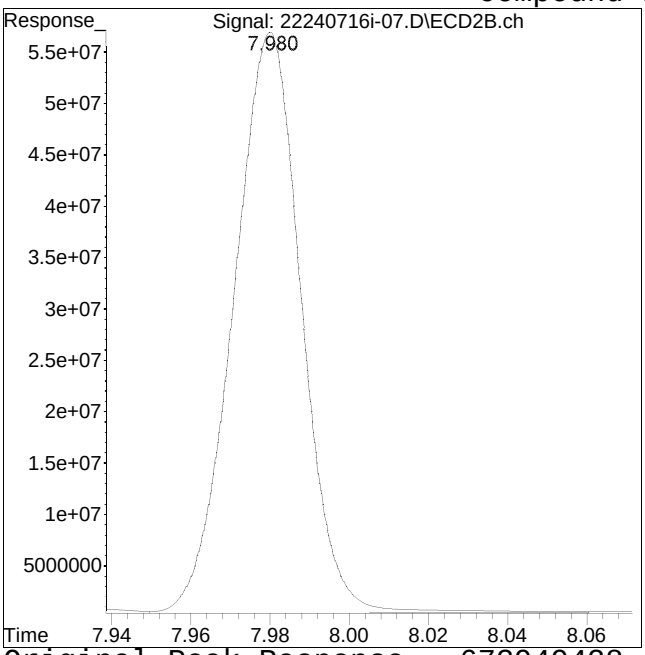
M4 = Poor automated baseline construction.

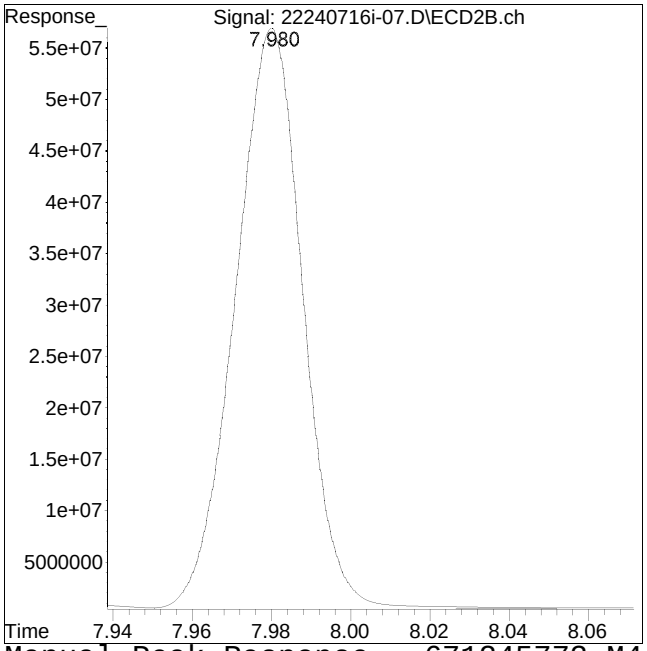
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #19: MCPA #2



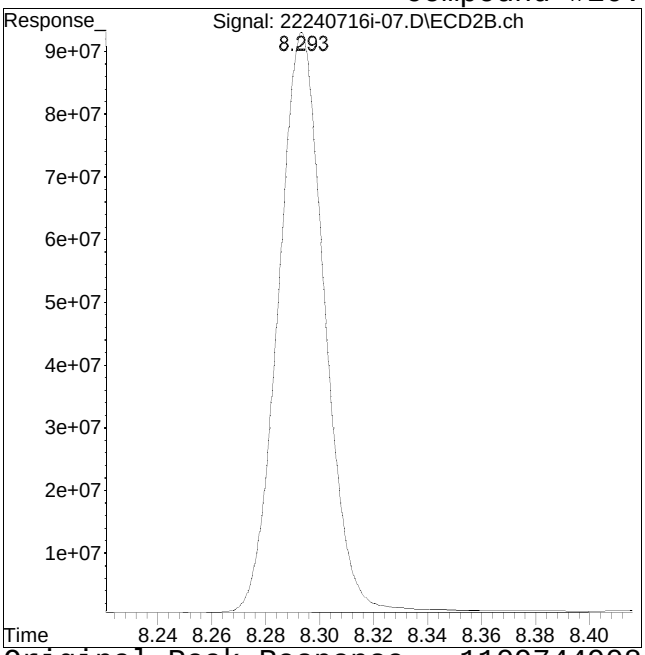


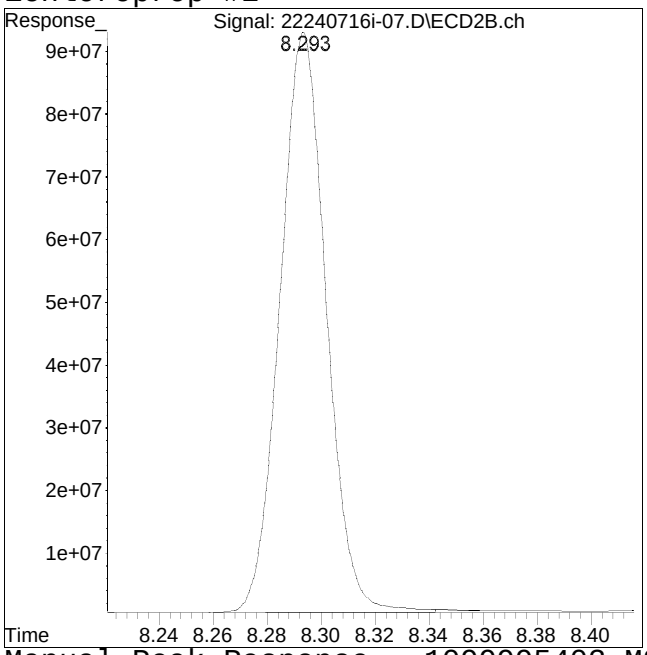
Original Peak Response = 673949428 Manual Peak Response = 671245773 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #20: Dichloroprop #2





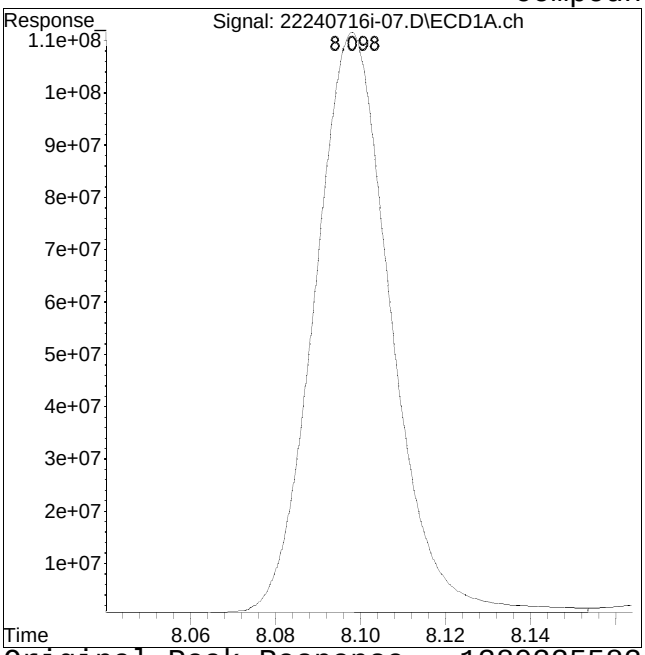
Original Peak Response = 1109744908 Manual Peak Response = 1099995403 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

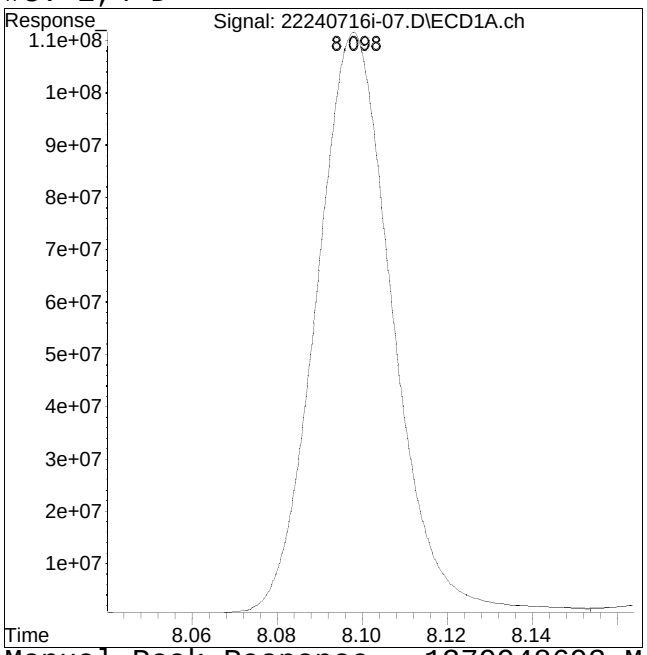
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-07.D
Date Inj'd : 7/16/2024 17:01
Sample : il6herb,42e,,pp 11628 L2/2

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:38 pm

Compound #8: 2,4-D



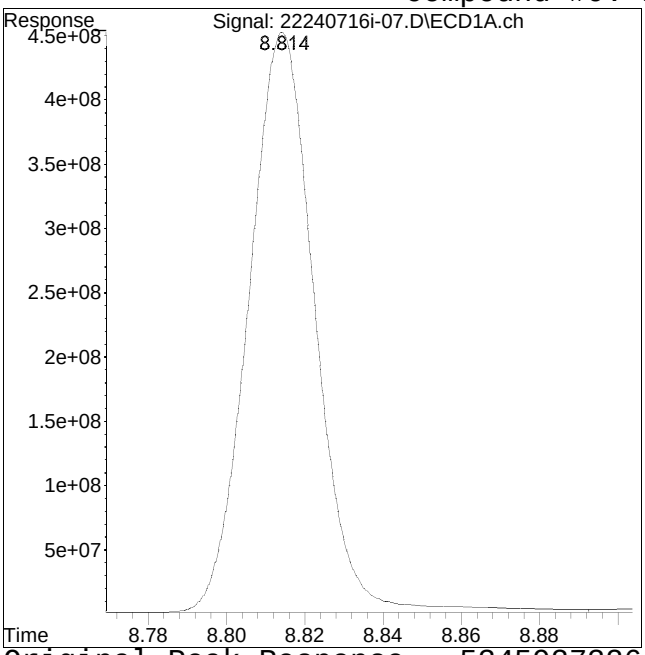


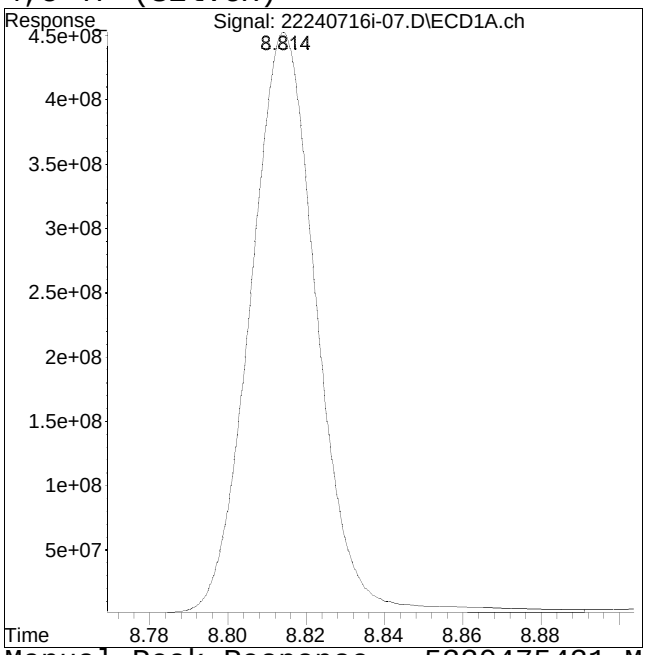
Original Peak Response = 1380325583 Manual Peak Response = 1379948693 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #9: 2,4,5-TP (Silvex)



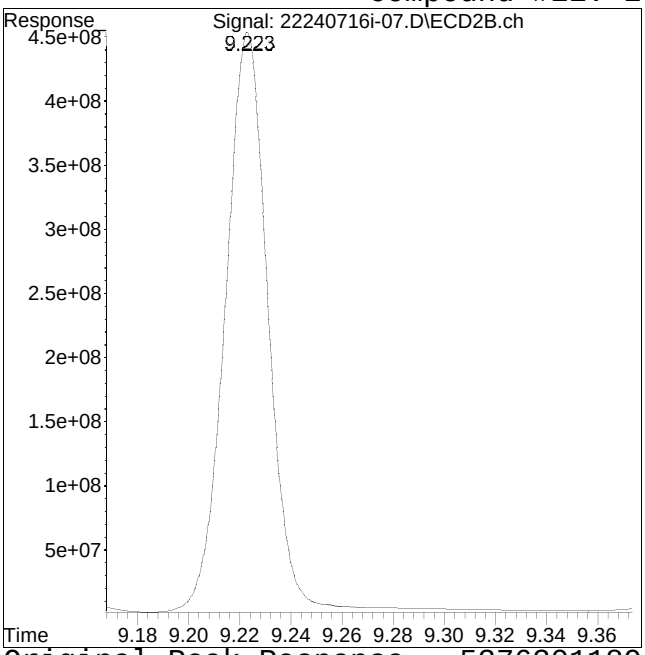


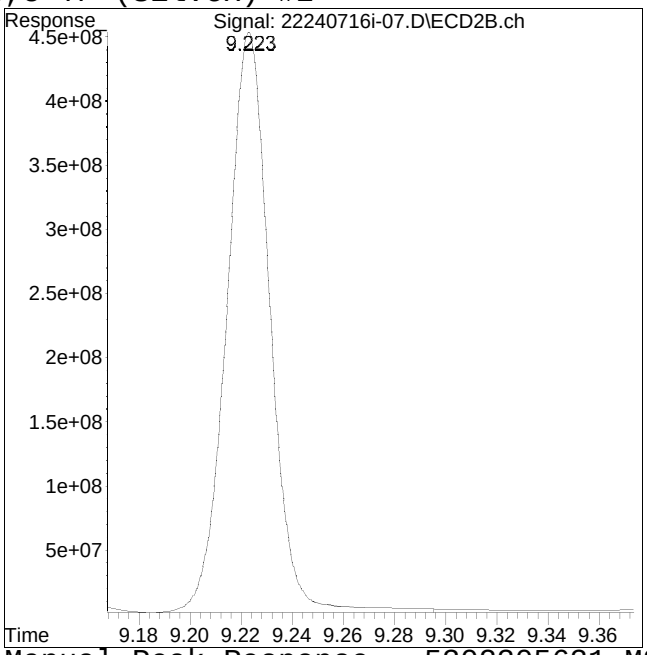
Original Peak Response = 5345927326 Manual Peak Response = 5330475431 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #22: 2,4,5-TP (Silvex) #2



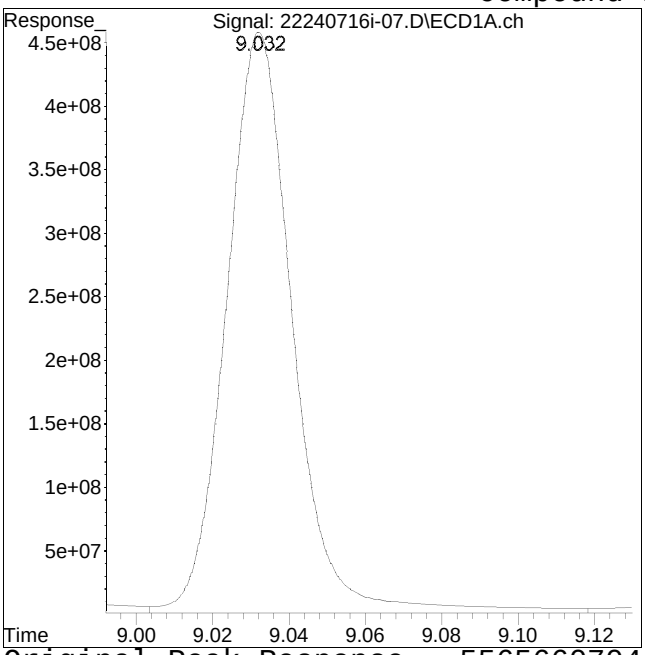


Original Peak Response = 5376301189 Manual Peak Response = 5302305631 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

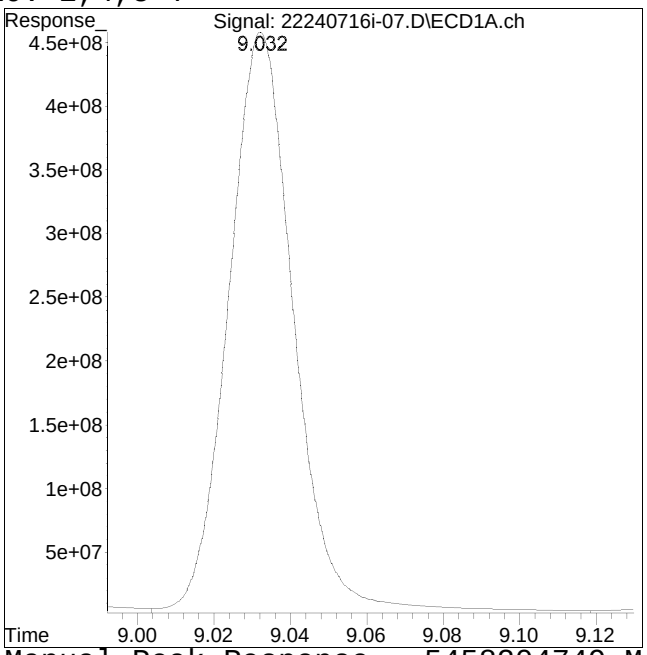
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #10: 2,4,5-T



Original Peak Response = 5565660704

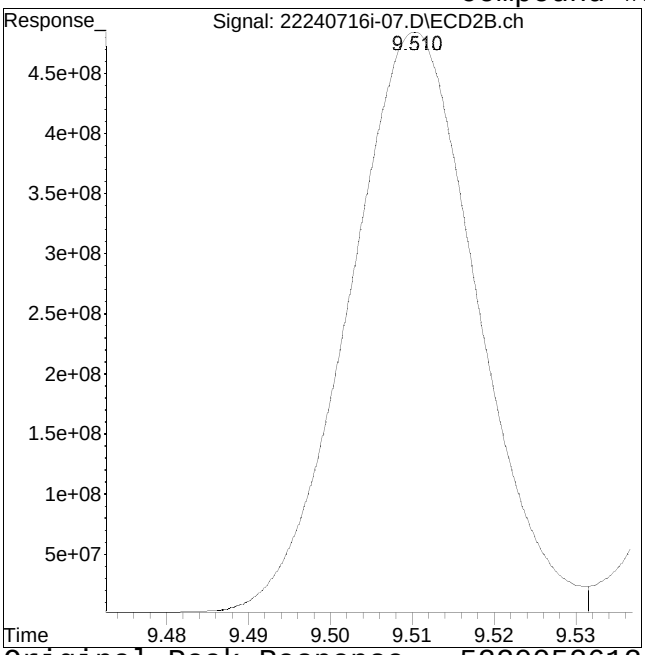


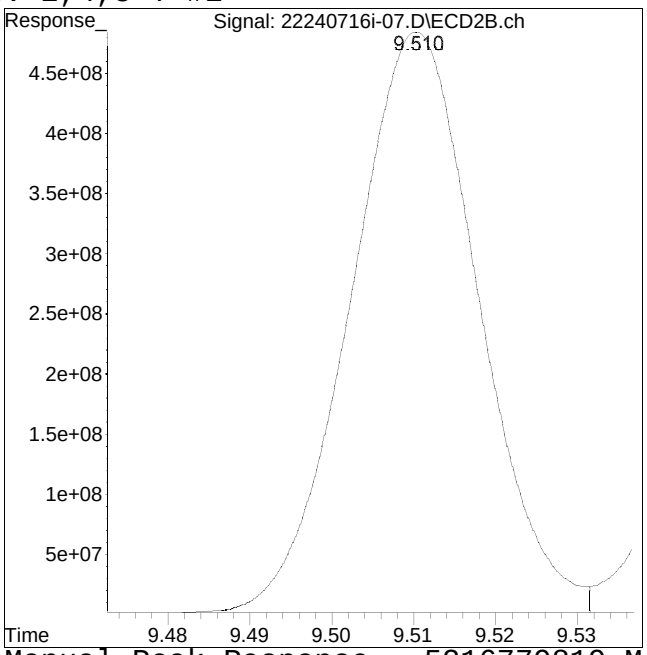
Manual Peak Response = 5458204749 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #23: 2,4,5-T #2



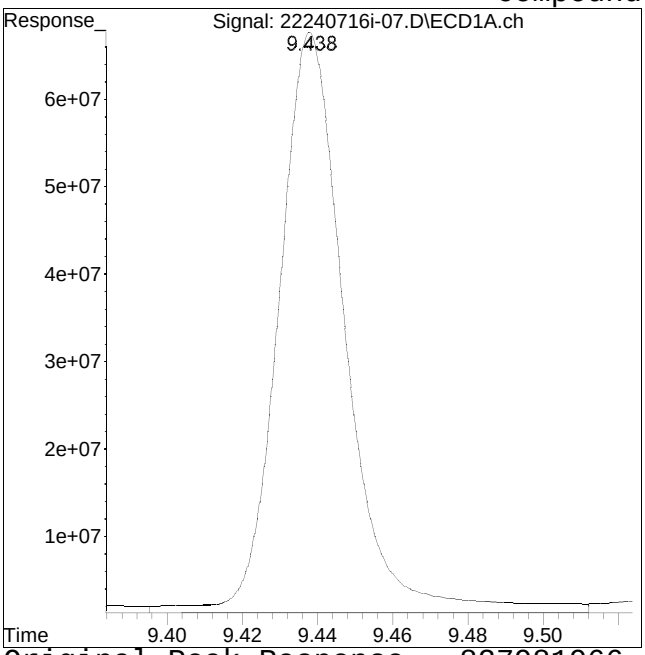


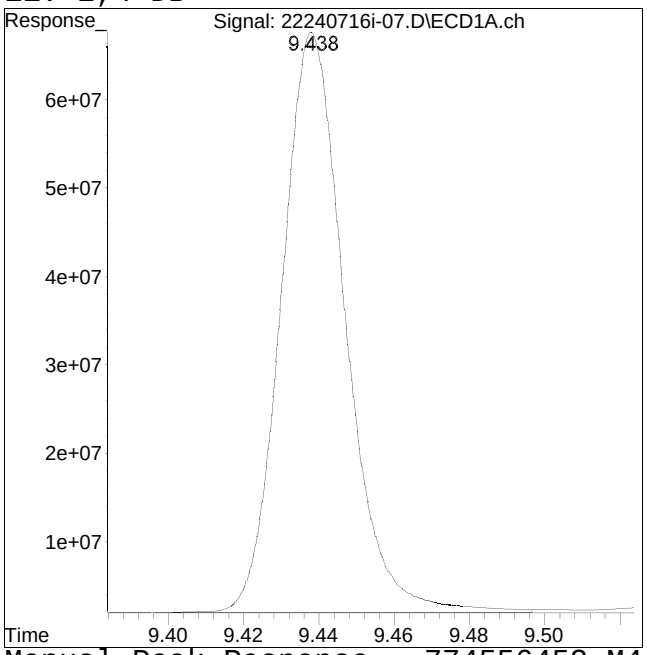
Original Peak Response = 5220052612 Manual Peak Response = 5216779819 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #11: 2,4-DB



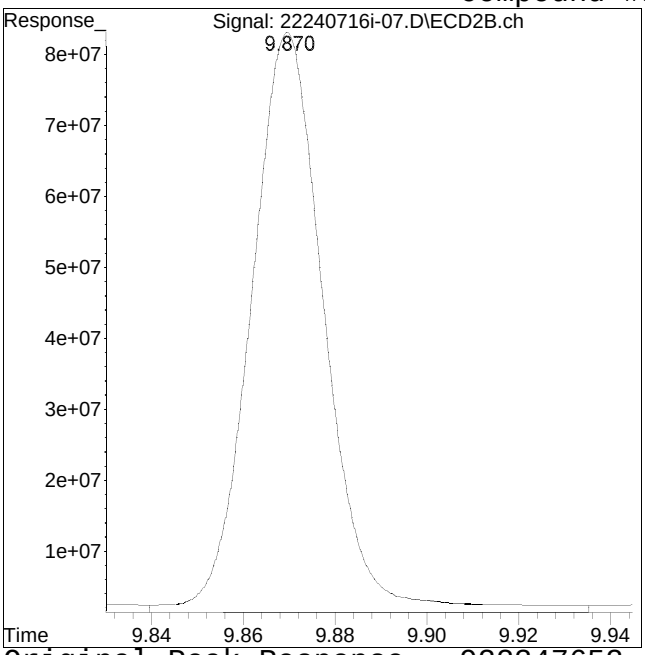


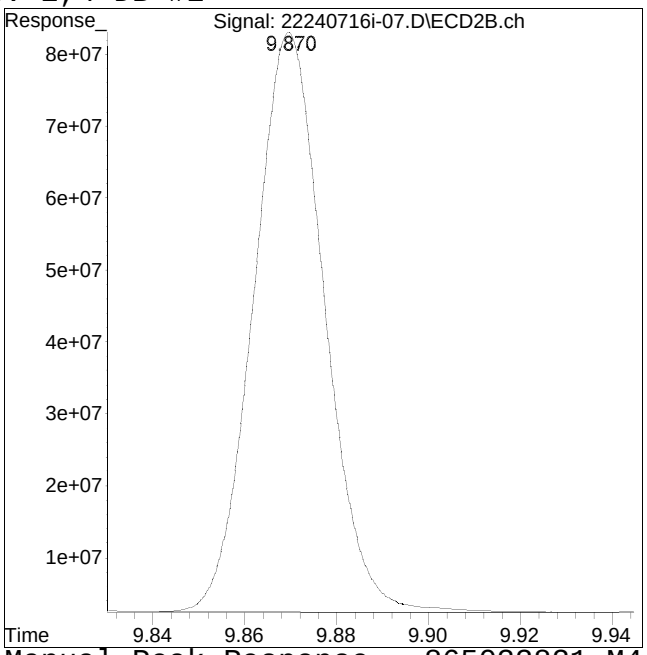
Original Peak Response = 827981966 Manual Peak Response = 774556452 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #24: 2,4-DB #2



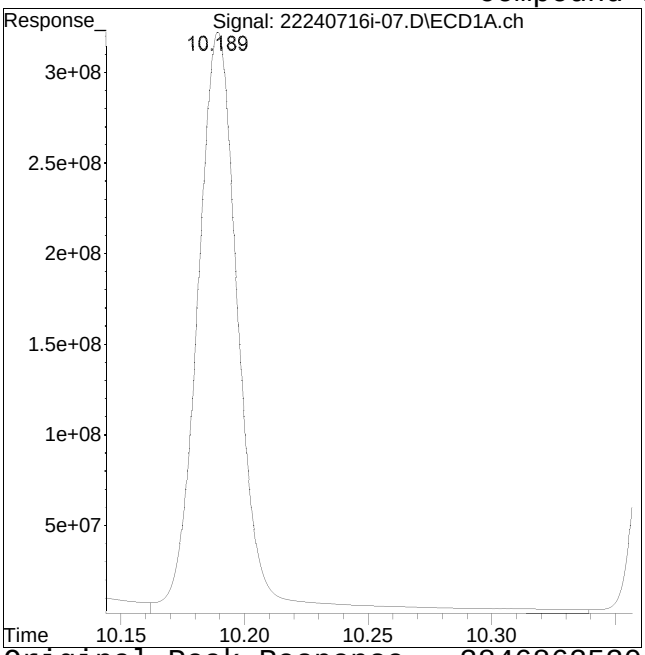


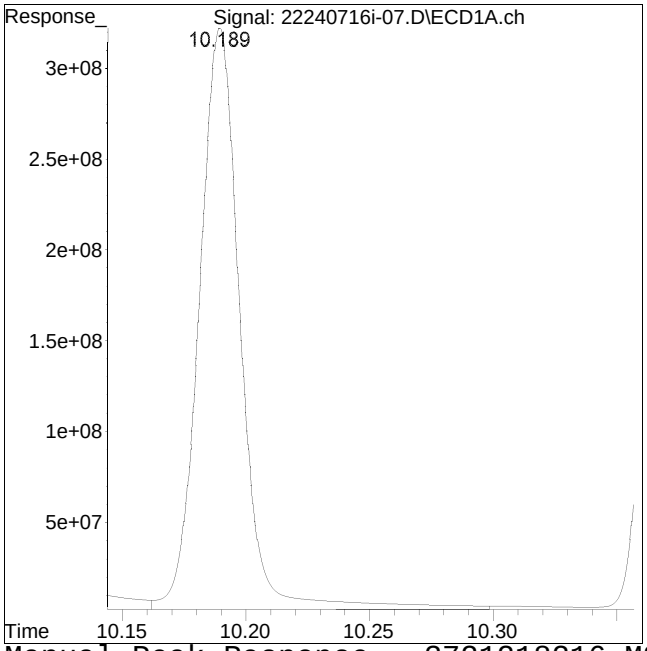
Original Peak Response = 922347652 Manual Peak Response = 865033821 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #12: Dinoseb



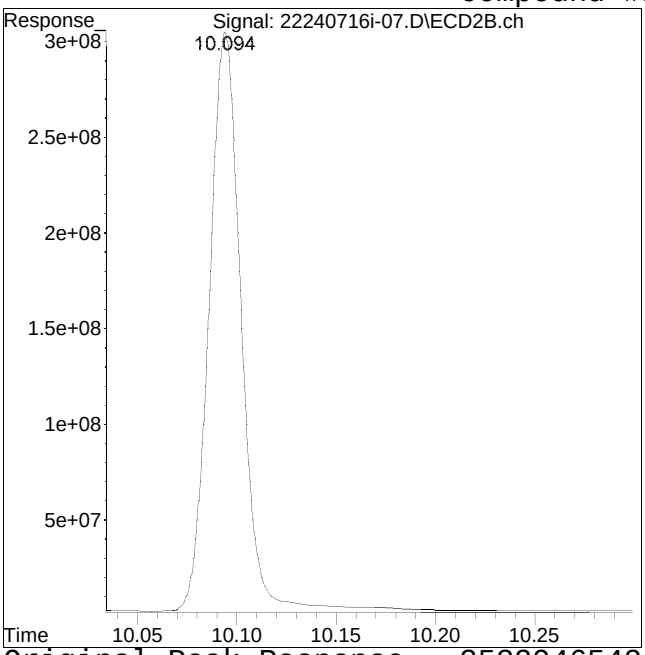


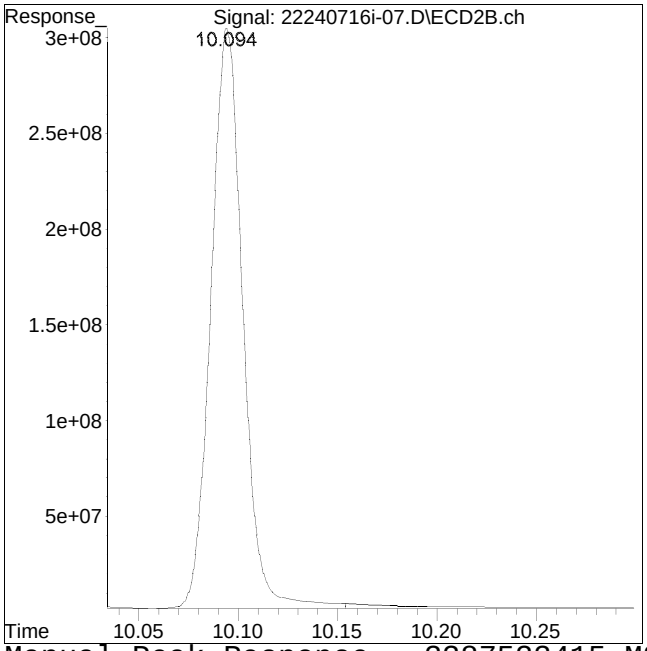
Original Peak Response = 3846863530 Manual Peak Response = 3721218216 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-07.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:01 Instrument : Pest22
Sample : il6herb,42e,,pp 11628 L2/2Quant Date : 7/16/2024 6:38 pm

Compound #25: Dinoseb #2





Original Peak Response = 3532946542 Manual Peak Response = 3387533415 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.156	14.3	77	0.00
3	s	DCAA (surrogate)		0.194	0.188	3.1	91	0.00
4	t	Dicamba		0.564	0.550	2.5	93	0.00
5	t	MCPP		0.00044	0.00046	-4.5	100	0.00
6	t	MCPA		0.00086	0.00084	2.3	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	101	0.00
8	t	2,4-D		0.217	0.213	1.8	94	0.00
9	t	2,4,5-TP (Silvex)		0.806	0.789	2.1	94	0.00
10	t	2,4,5-T		0.811	0.827	-2.0	98	0.00
11	t	2,4-DB		0.118	0.117	0.8	94	0.00
12	t	Dinoseb		0.581	0.592	-1.9	98	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	99	0.00
2	t	Dalapon	*	0.182	0.171	6.0	88	0.00
3	s	DCAA (surrogate)		0.194	0.196	-1.0	96	0.00
4	t	Dicamba		0.570	0.566	0.7	94	0.00
5	t	MCPP		0.00058	0.00059	-1.7	97	0.00
6	t	MCPA		0.00106	0.00103	2.8	94	0.00
7	t	Dichloroprop		0.180	0.190	-5.6	100	0.00
8	t	2,4-D	*	0.188	0.190	-1.1	95	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.788	3.2	93	0.00
10	t	2,4,5-T		0.774	0.760	1.8	95	0.00
11	t	2,4-DB		0.131	0.126	3.8	94	0.00
12	t	Dinoseb		0.525	0.536	-2.1	97	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample   : cicv,42e,,pp 11634 L0.2/20 ICV
Misc   : WG1947963,,ical
ALS Vial : 8   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.545	8.526	956.3E6	963.2E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	7.005	7.458	135.5E6	142.3E6	0.183M4	0.190M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	36.60%	38.00%
		Target Compounds						
2)	t	Dalapon	2.413	2.402	133.3E6	141.8E6	0.156M3	0.171M3
4)	t	Dicamba	7.186	7.639	395.9E6	409.7E6	0.183M3	0.187M3
5)	t	MCPP	7.388	7.750	32737545	42475192	19.237	18.848M4
6)	t	MCPA	7.533	7.976	59782422	73826721	18.167M4	18.162M4
7)	t	Dichloroprop	7.890	8.293	136.4E6	137.9E6	0.198M3	0.199M4
8)	t	2,4-D	8.104	8.566	153.2E6	179.4E6	0.185M4	0.190M3
9)	t	2,4,5-TP (Si	8.816	9.223	573.1E6	576.9E6	0.186M4	0.184M3
10)	t	2,4,5-T	9.037	9.511	601.2E6	556.2E6	0.194M4	0.186
11)	t	2,4-DB	9.444	9.870	85716822	93276437	0.190M4	0.186M4
12)	t	Dinoseb	10.190	10.095	430.0E6	392.1E6	0.193M3	0.194

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

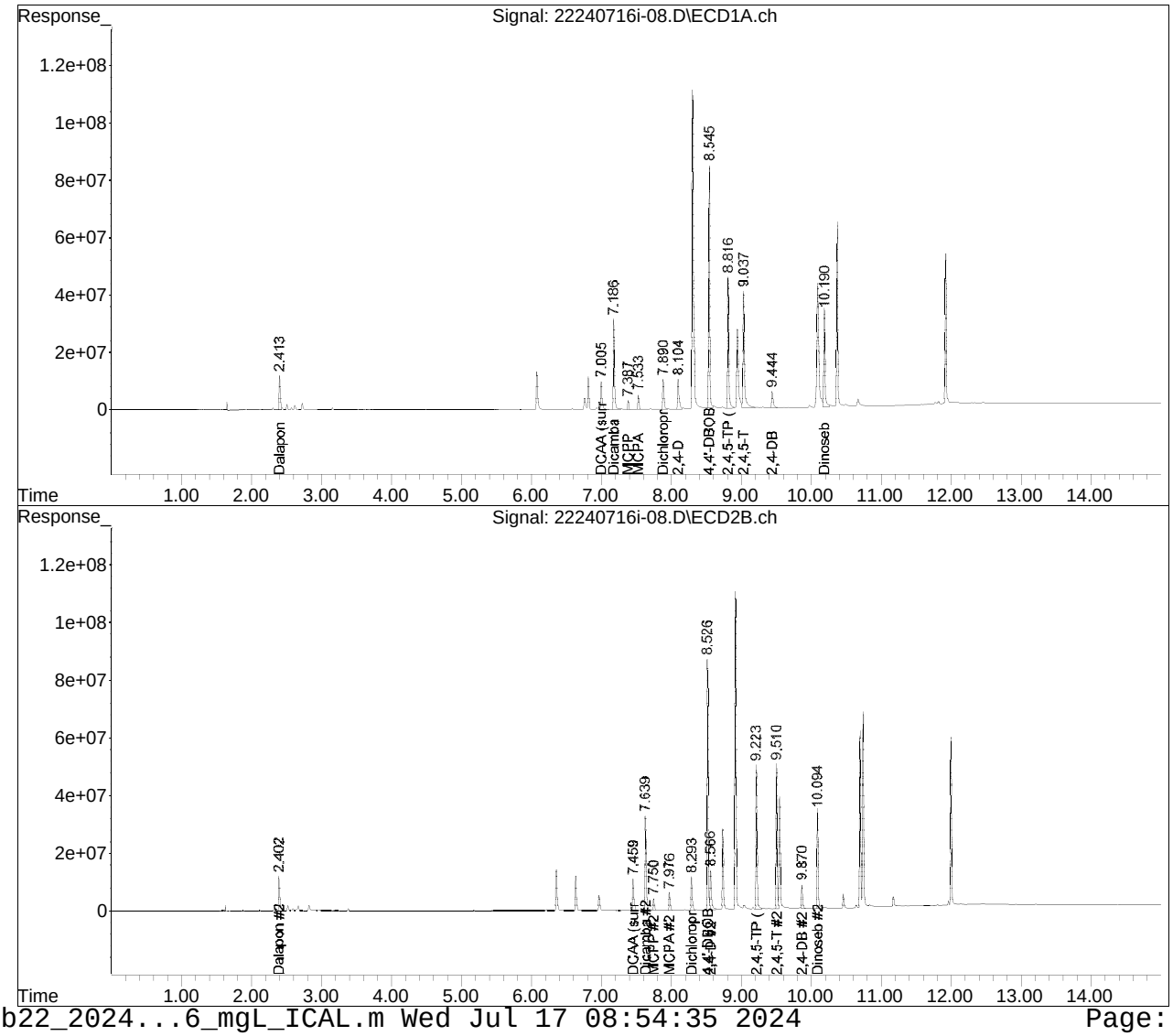
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240716ical\
Data File : 22240716i-08.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 16 Jul 2024 17:20
Operator : pest22:ejl
Sample : cicv,42e,,pp 11634 L0.2/20 ICV
Misc : WG1947963,,ical
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Jul 16 18:51:27 2024
Quant Method : I:\PEST\Pest22\2024\240716ical\Herb22_2024_07_16_mgL_ICAL.m
Quant Title : herb
QLast Update : Tue Jul 16 18:51:27 2024
Response via : Initial Calibration
Integrator: ChemStation

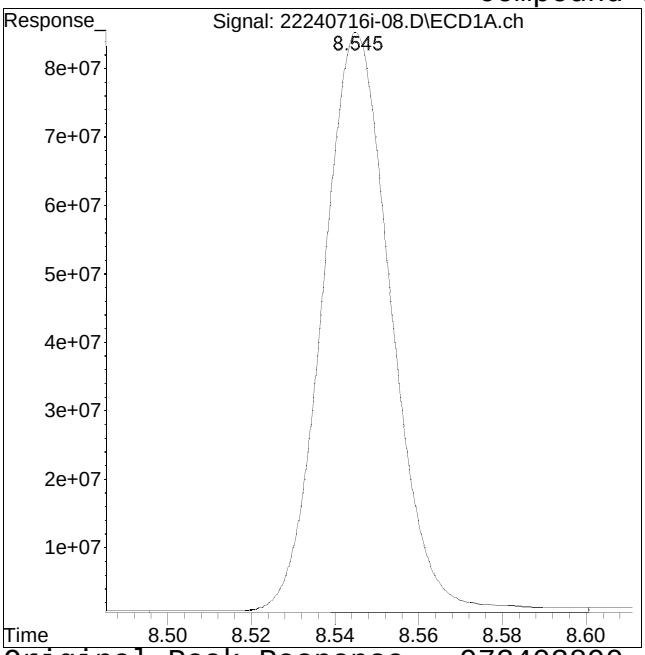
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



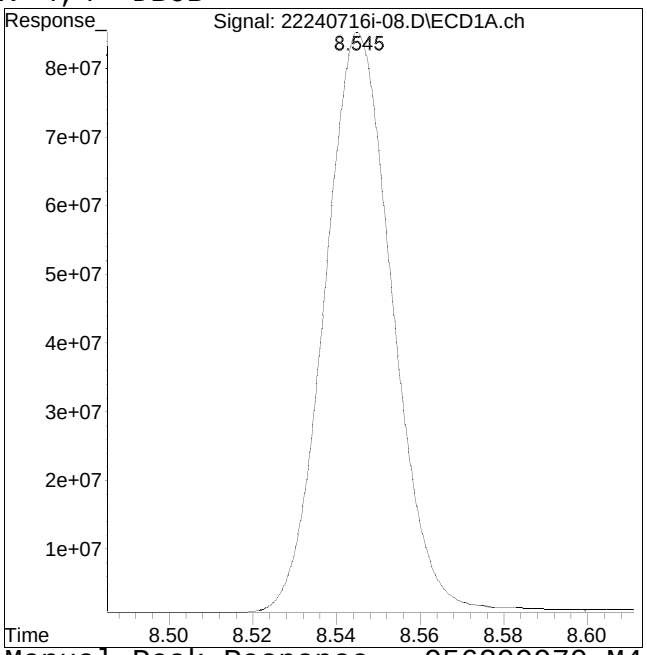
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 973403890



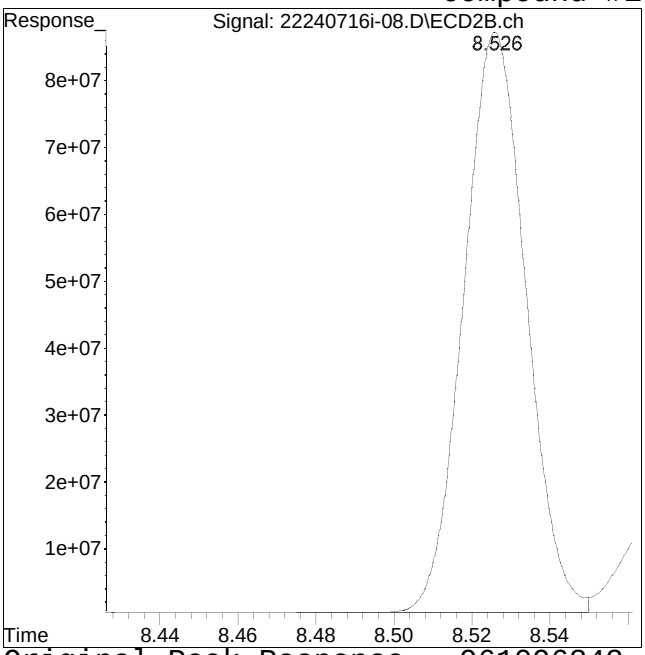
Manual Peak Response = 956299970 M4

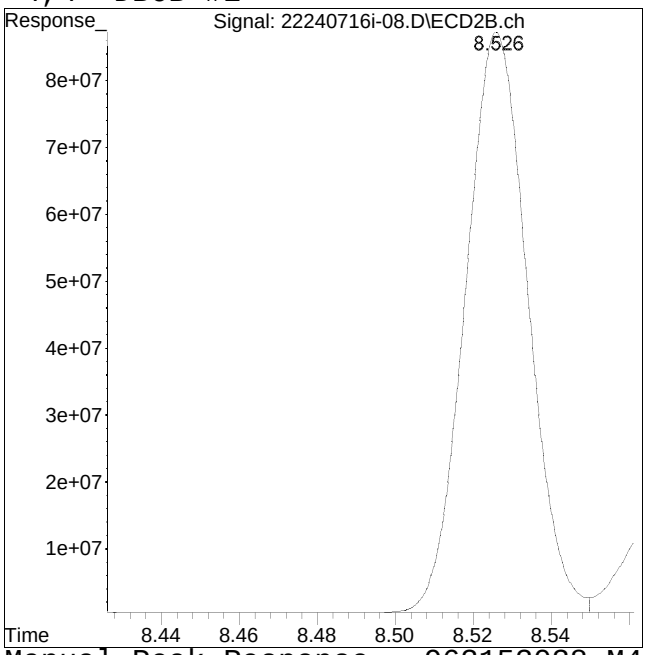
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #14: 4,4'-DBOB #2



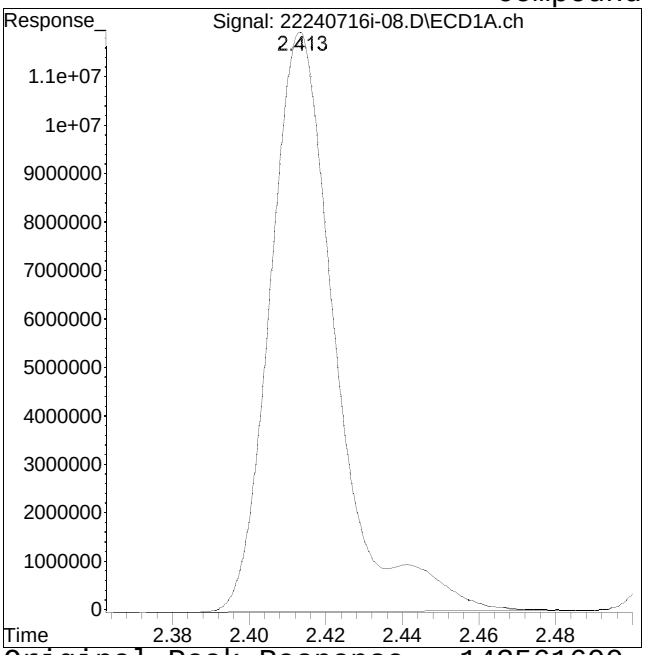


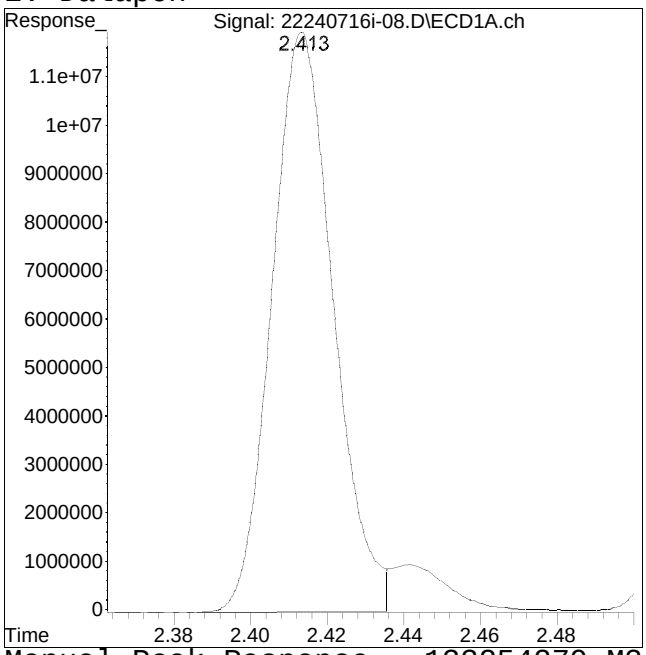
Original Peak Response = 961096342 Manual Peak Response = 963153038 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #2: Dalapon





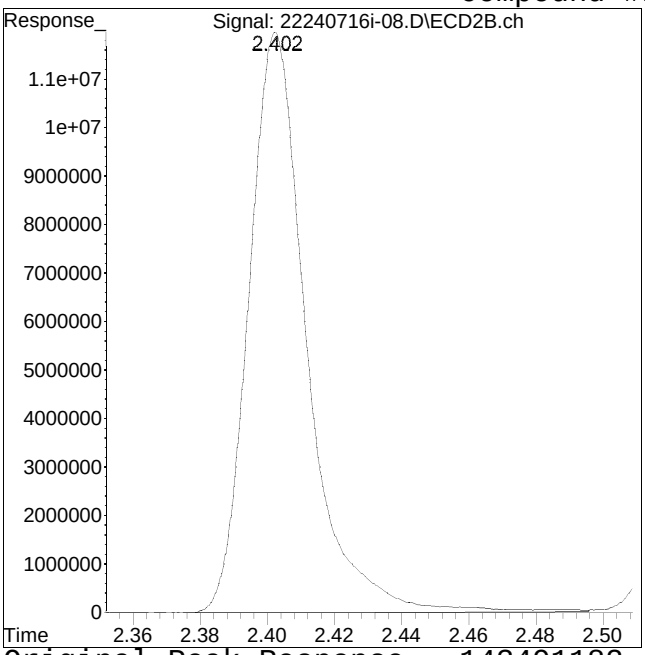
Original Peak Response = 143561600 Manual Peak Response = 133254279 M3

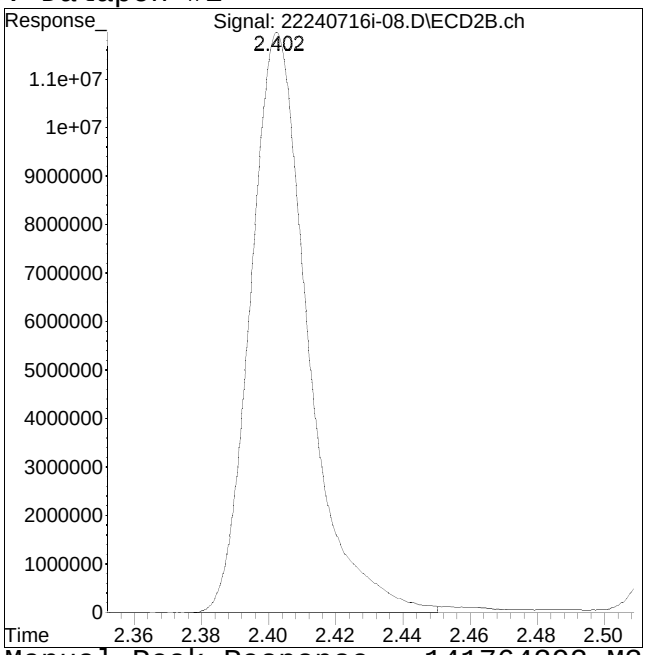
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #15: Dalapon #2



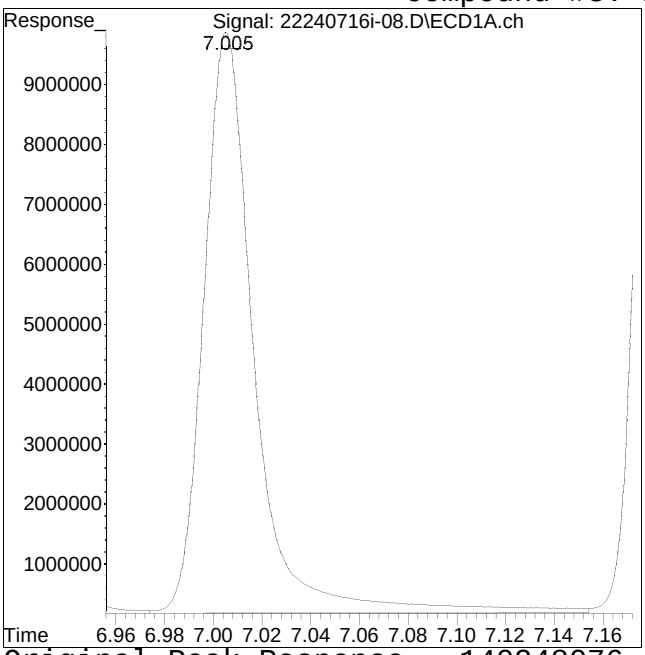


Original Peak Response = 143491182 Manual Peak Response = 141764392 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

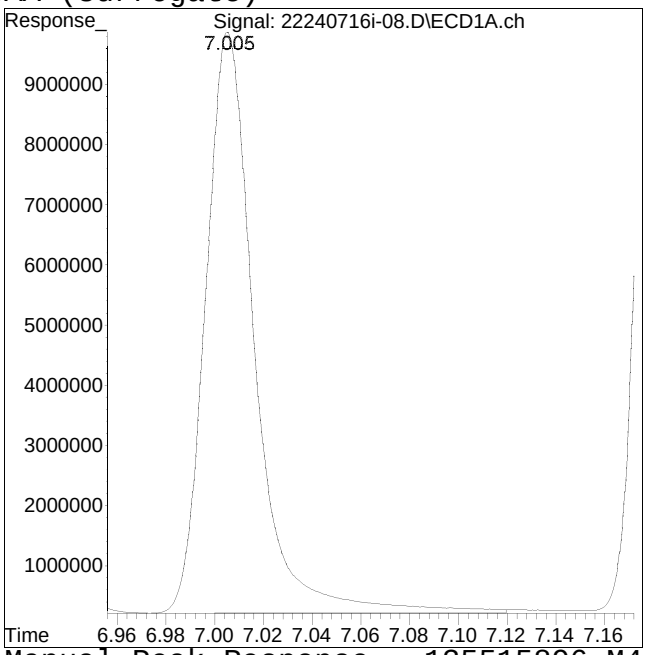
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 140248076



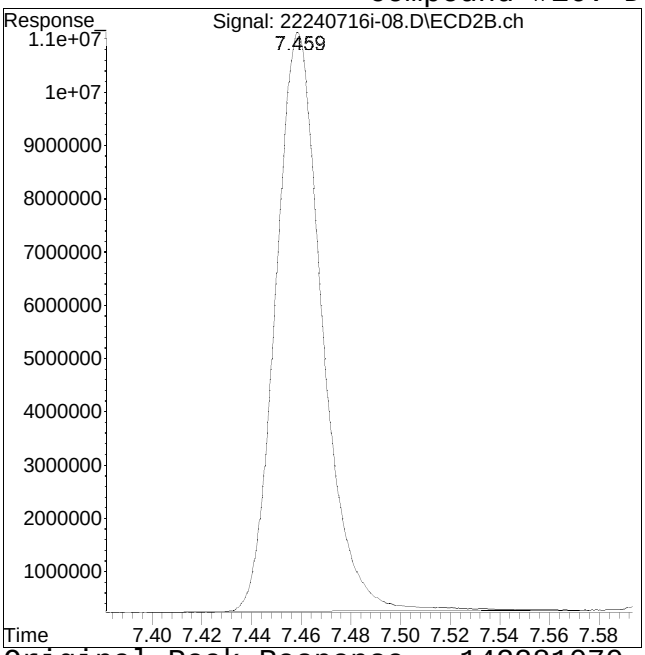
Manual Peak Response = 135515896 M4

M4 = Poor automated baseline construction.

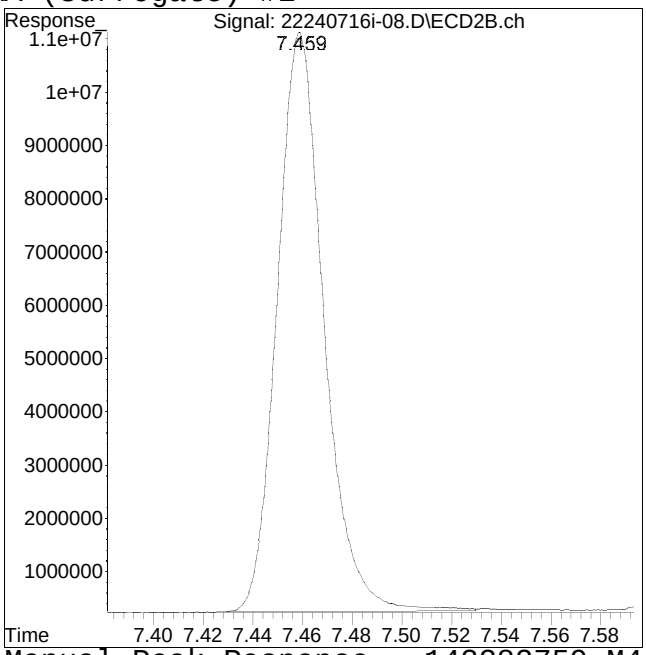
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 142281070



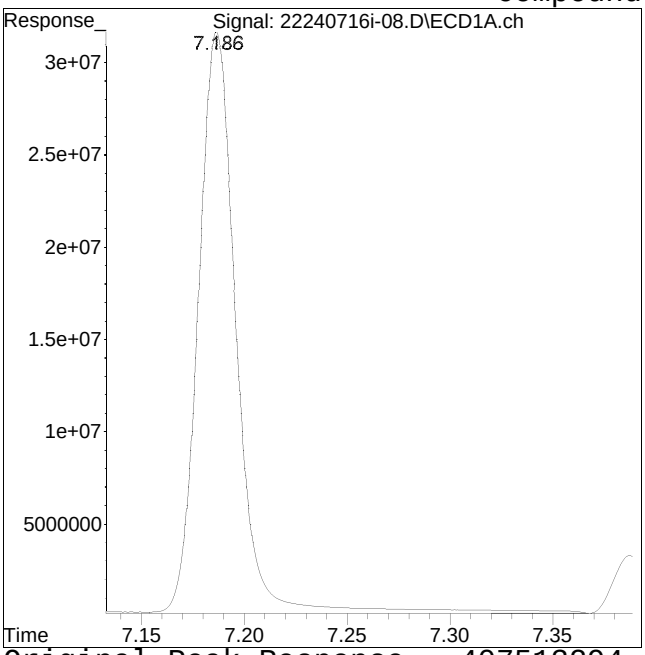
Manual Peak Response = 142282759 M4

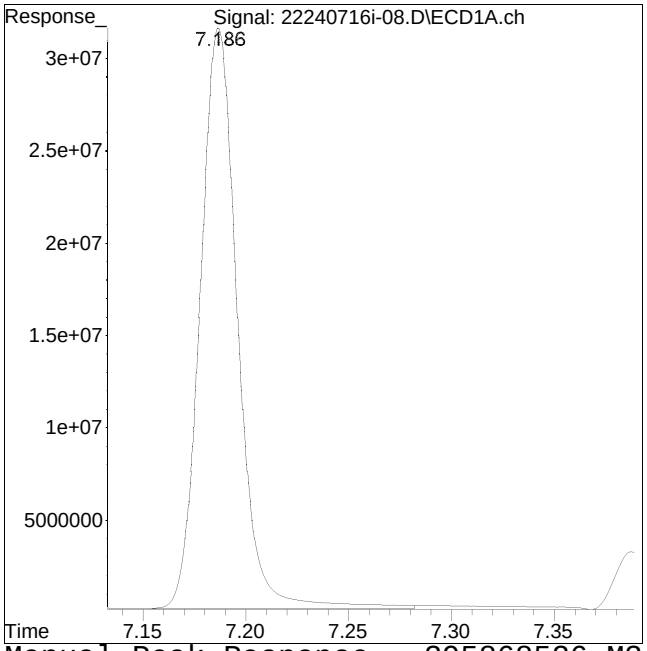
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #4: Dicamba



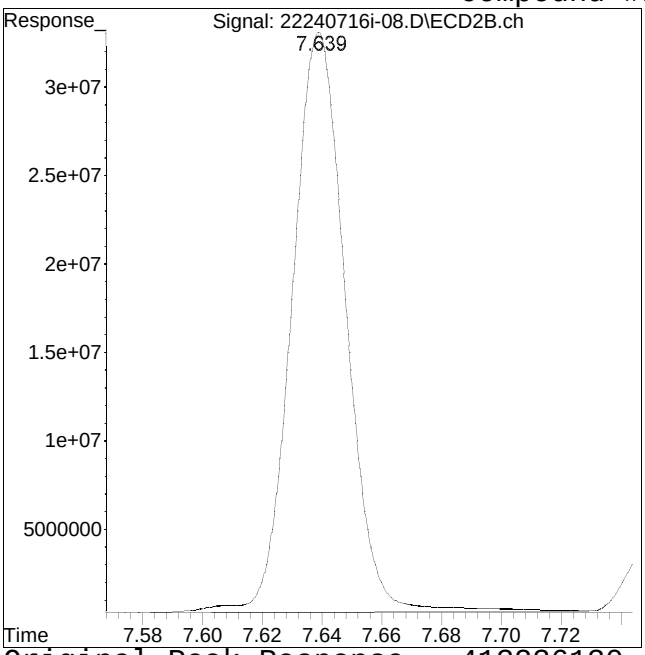


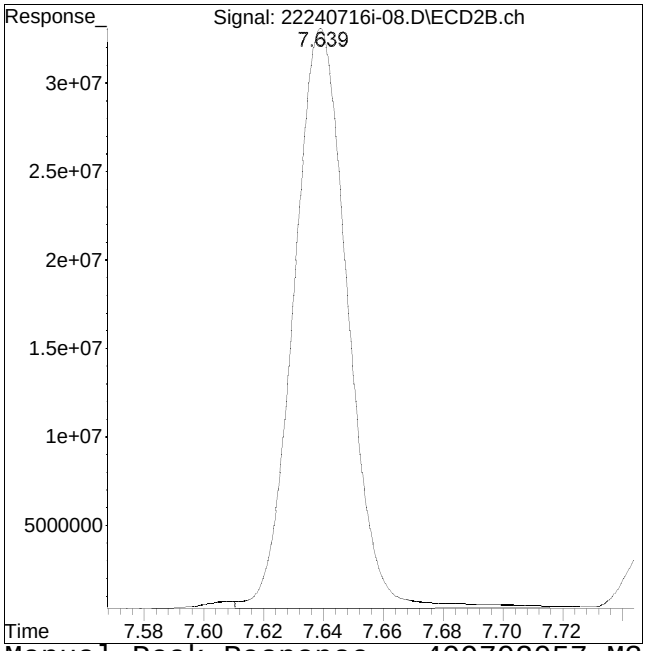
Original Peak Response = 407513294 Manual Peak Response = 395868526 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #17: Dicamba #2



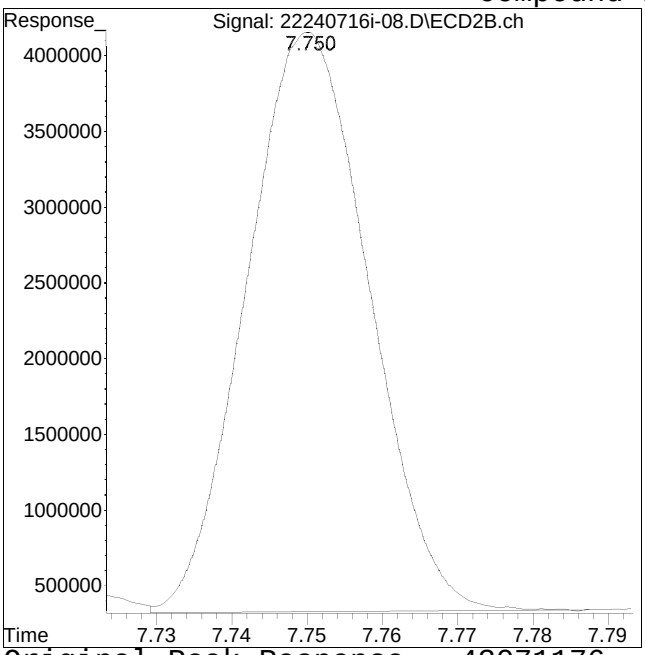


Original Peak Response = 413236130 Manual Peak Response = 409702057 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

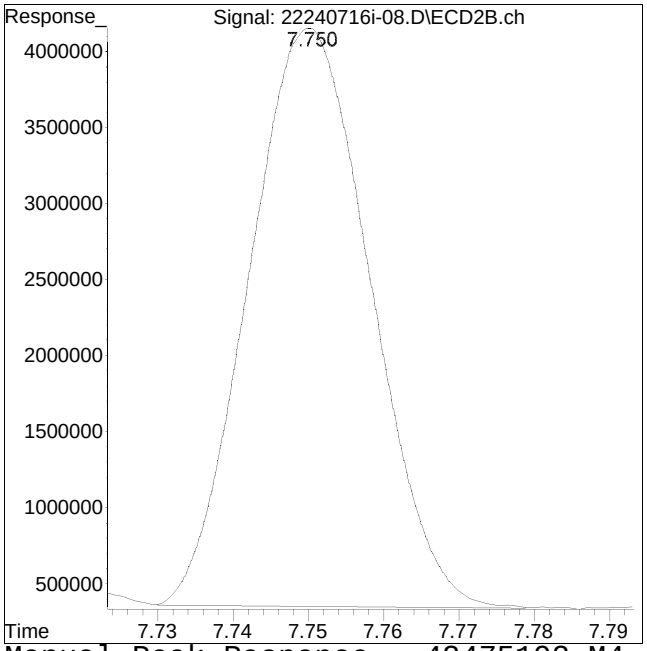
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20
Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #18: MCPP #2



Original Peak Response = 43071176



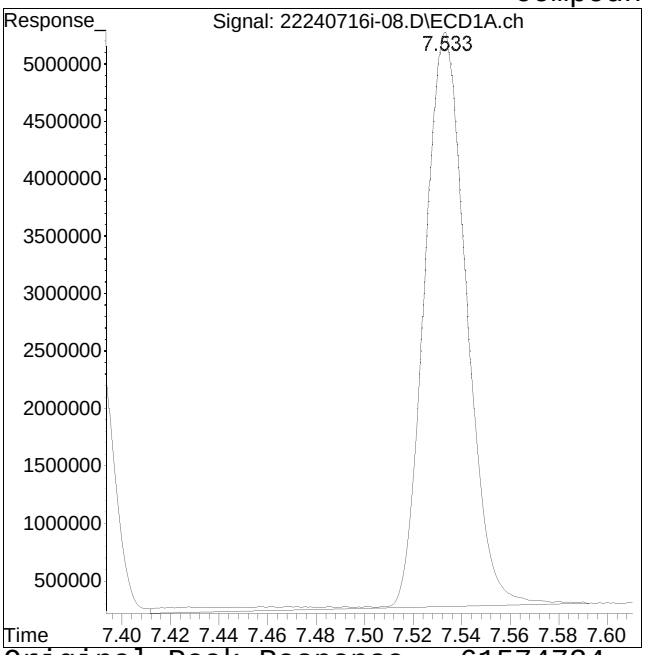
Manual Peak Response = 42475192 M4

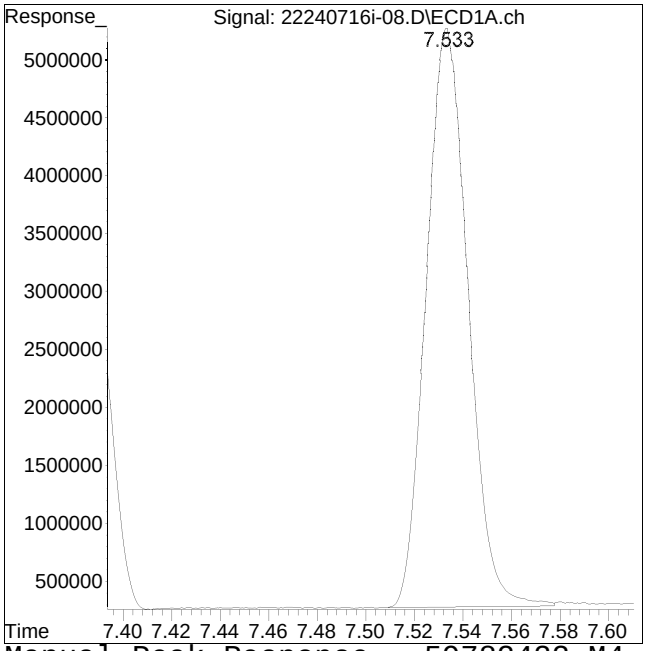
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #6: MCPA



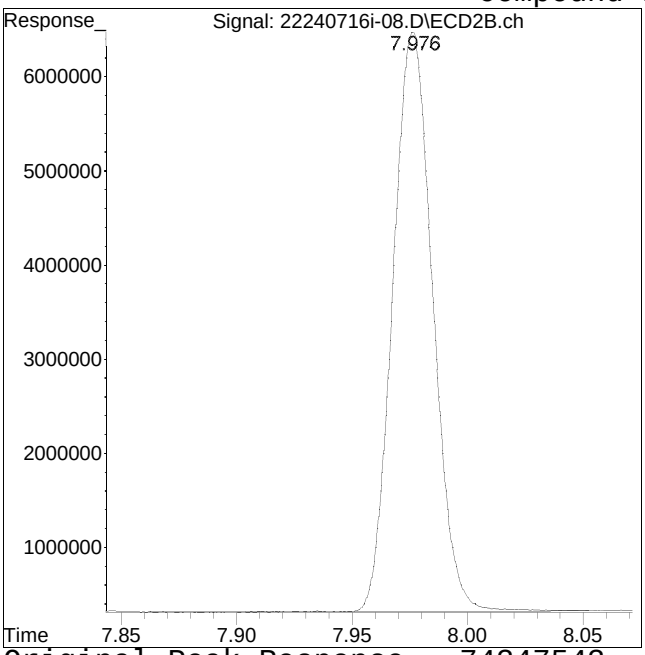


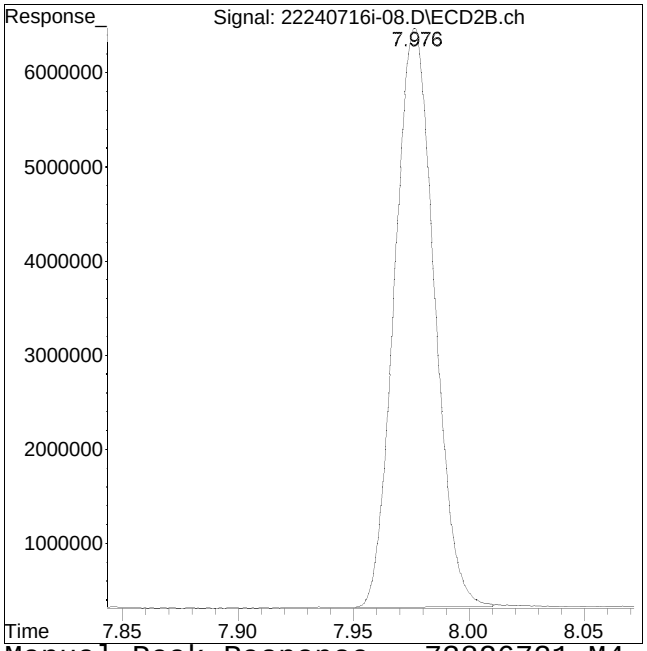
Original Peak Response = 61574734 Manual Peak Response = 59782422 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #19: MCPA #2





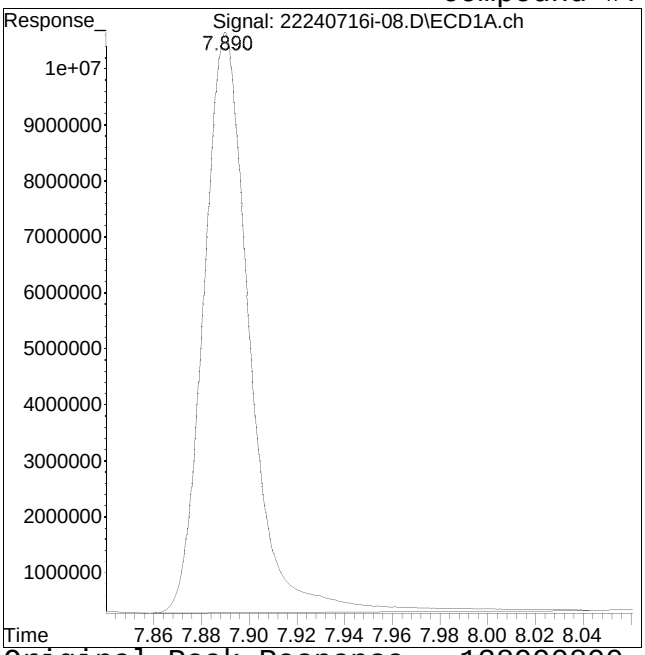
Original Peak Response = 74347543 Manual Peak Response = 73826721 M4
M4 = Poor automated baseline construction.

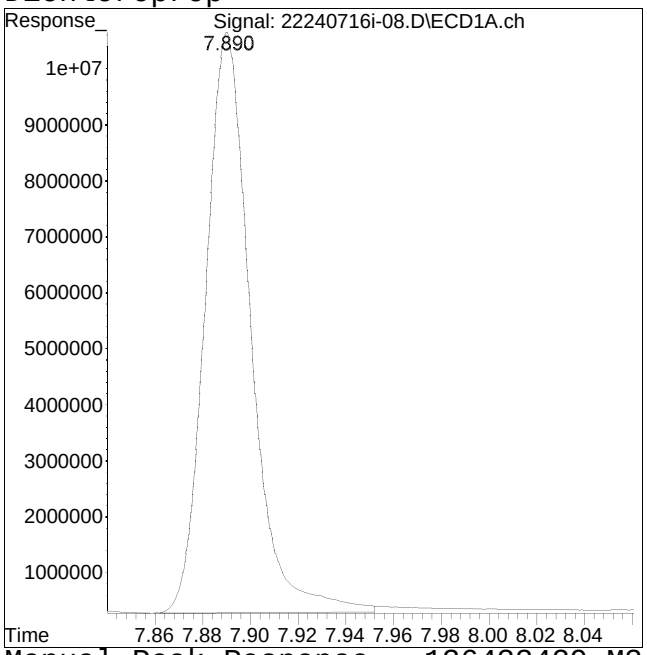
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716Q
Data File : 22240716i-08.D
Date Inj'd : 7/16/2024 17:20
Sample : cicv,42e,,pp 11634 L0.2/20

Method : Herb22_2024_07_16_mgL_IC
Operator : pest22:ejl
Instrument : Pest22
Quant Date : 7/16/2024 6:51 pm

Compound #7: Dichloroprop





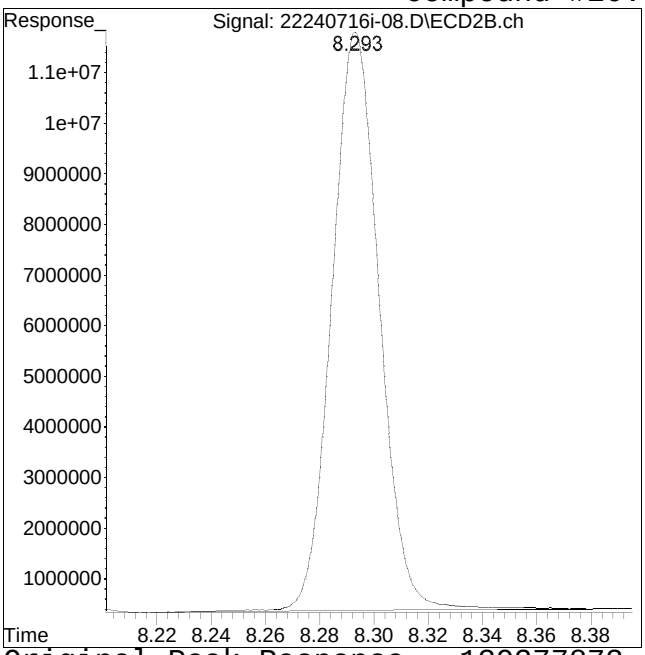
Original Peak Response = 138990800 Manual Peak Response = 136433429 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

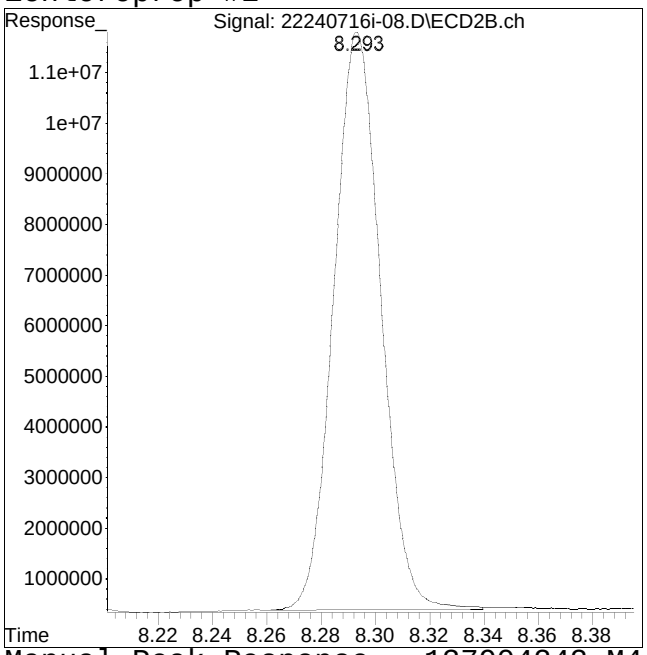
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #20: Dichloroprop #2



Original Peak Response = 139377873

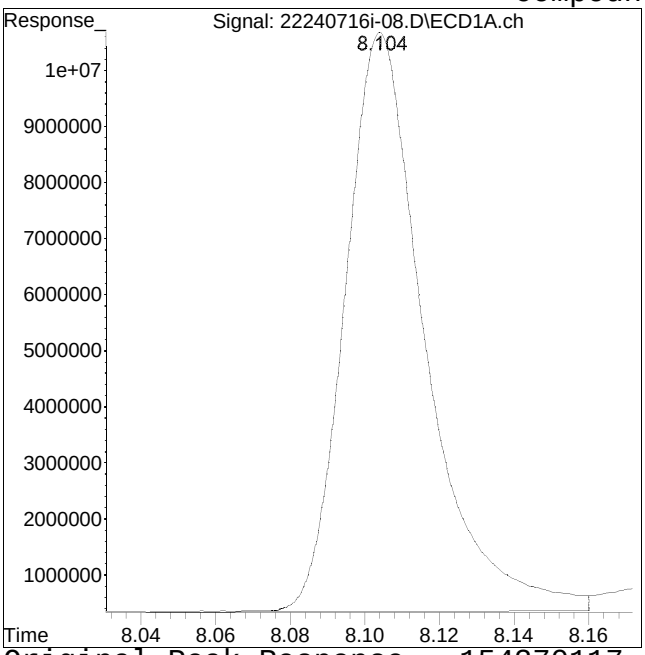


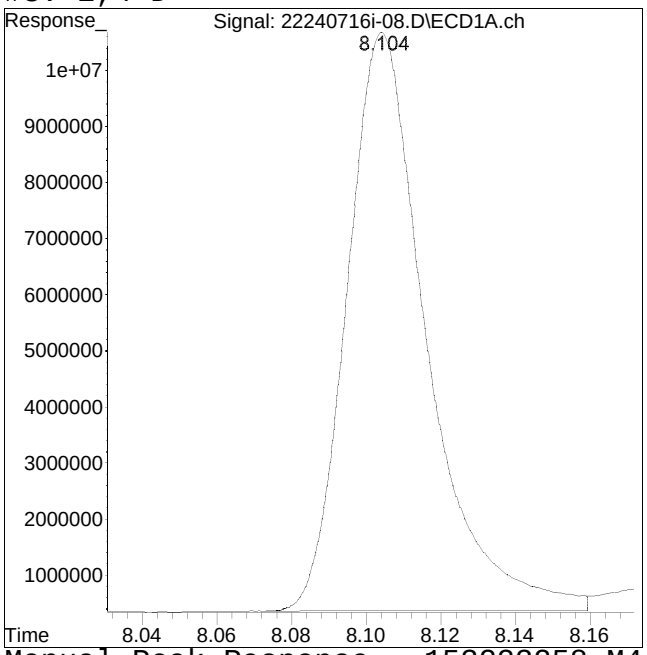
Manual Peak Response = 137904242 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #8: 2,4-D



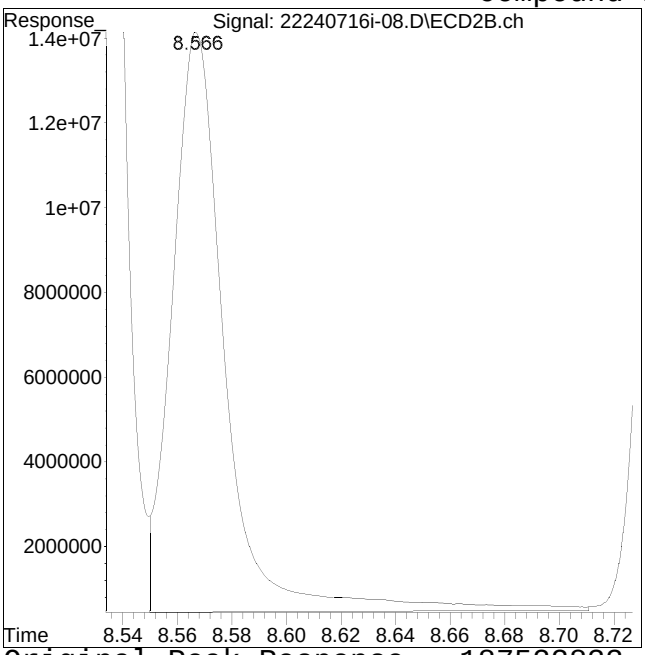


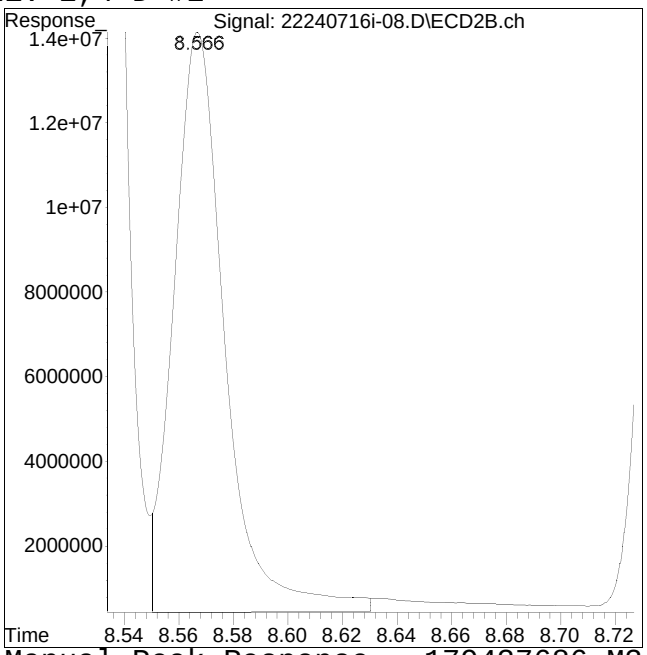
Original Peak Response = 154370117 Manual Peak Response = 153223258 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #21: 2,4-D #2



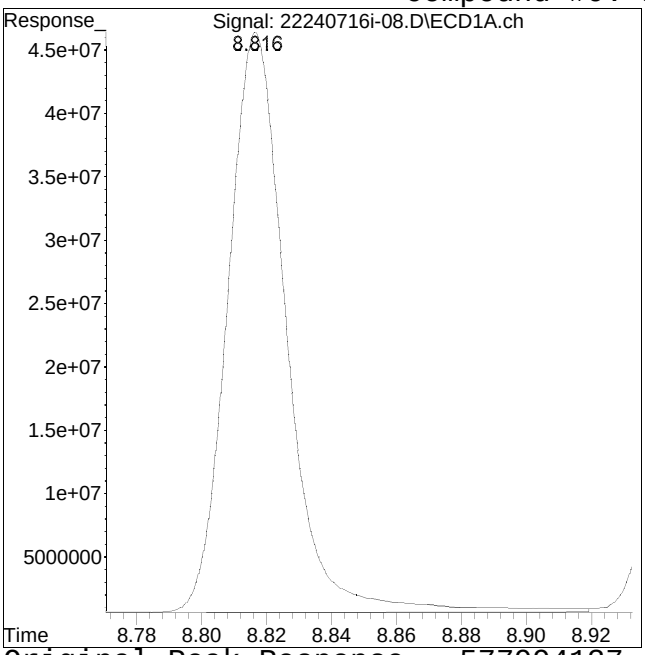


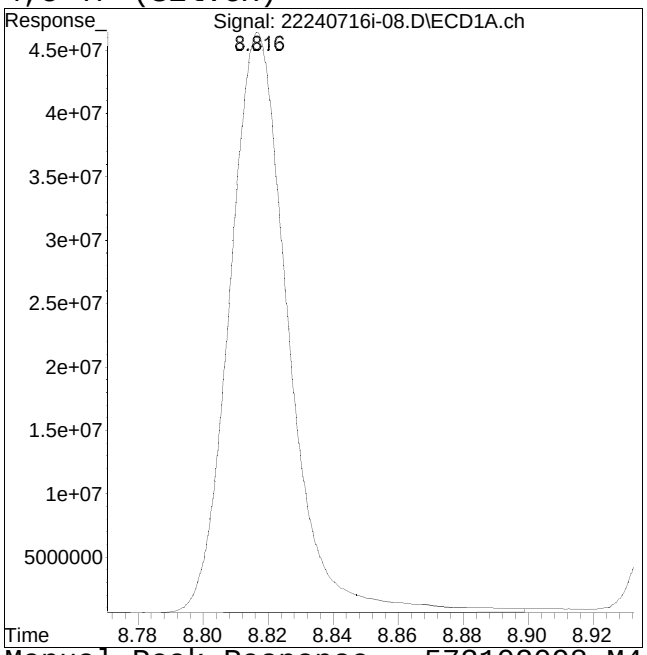
Original Peak Response = 187522833 Manual Peak Response = 179437686 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #9: 2,4,5-TP (Silvex)



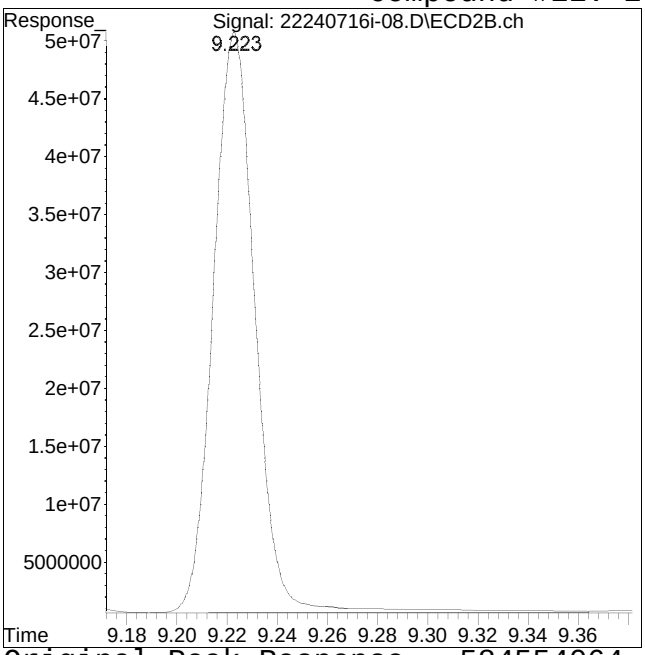


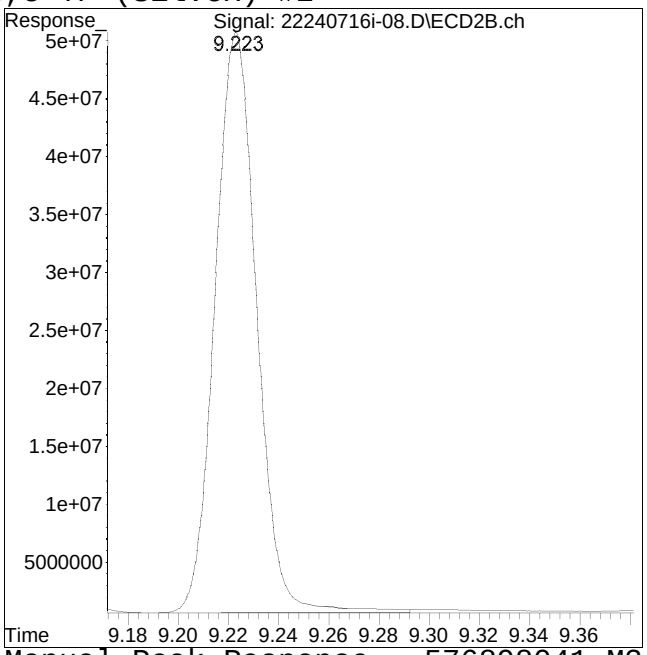
Original Peak Response = 577994137 Manual Peak Response = 573102098 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #22: 2,4,5-TP (Silvex) #2



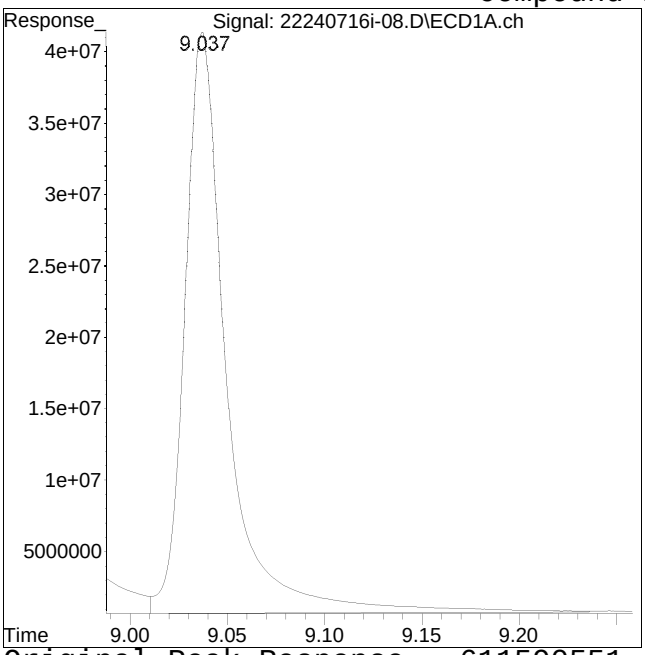


Original Peak Response = 584554064 Manual Peak Response = 576898041 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

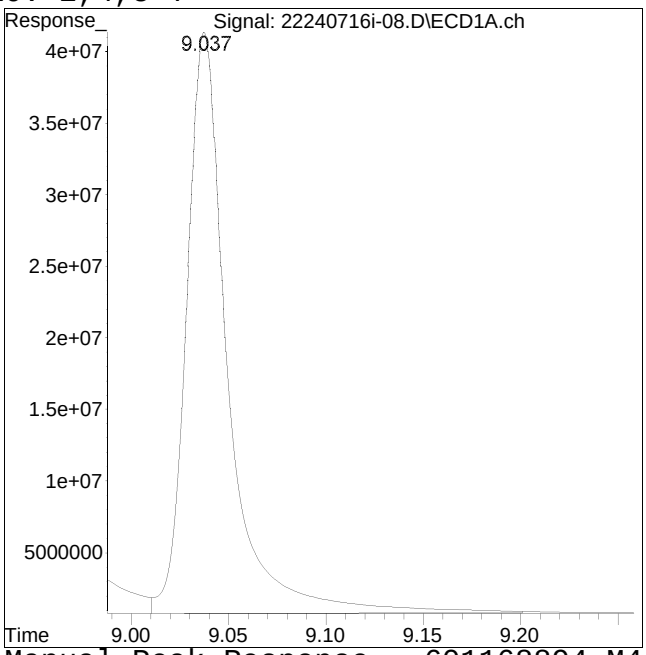
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #10: 2,4,5-T



Original Peak Response = 611590551



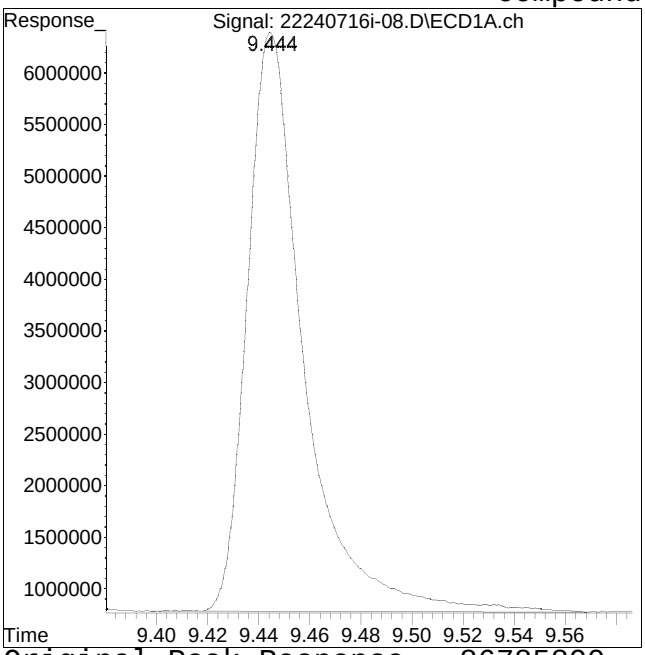
Manual Peak Response = 601168894 M4

M4 = Poor automated baseline construction.

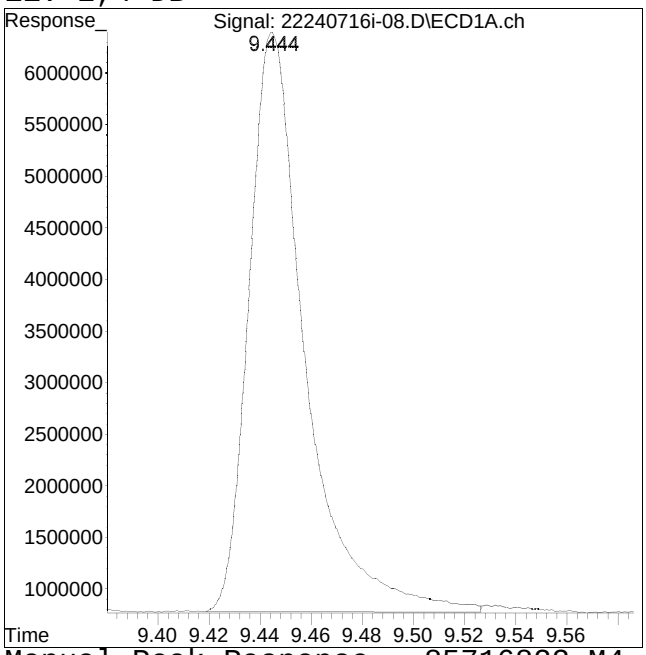
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #11: 2,4-DB



Original Peak Response = 86785890



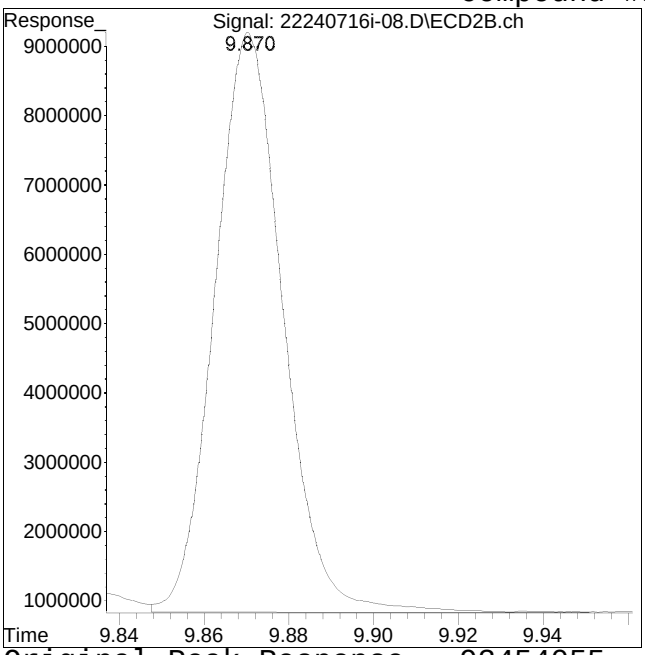
Manual Peak Response = 85716822 M4

M4 = Poor automated baseline construction.

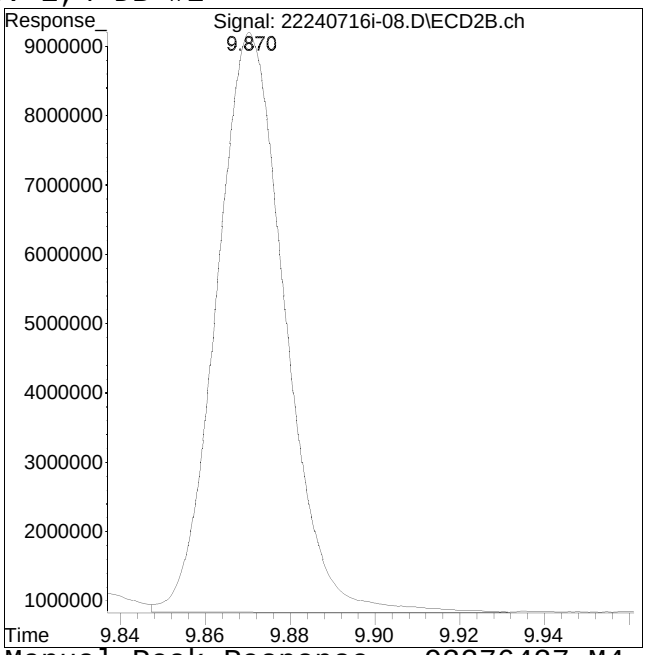
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #24: 2,4-DB #2



Original Peak Response = 93454055



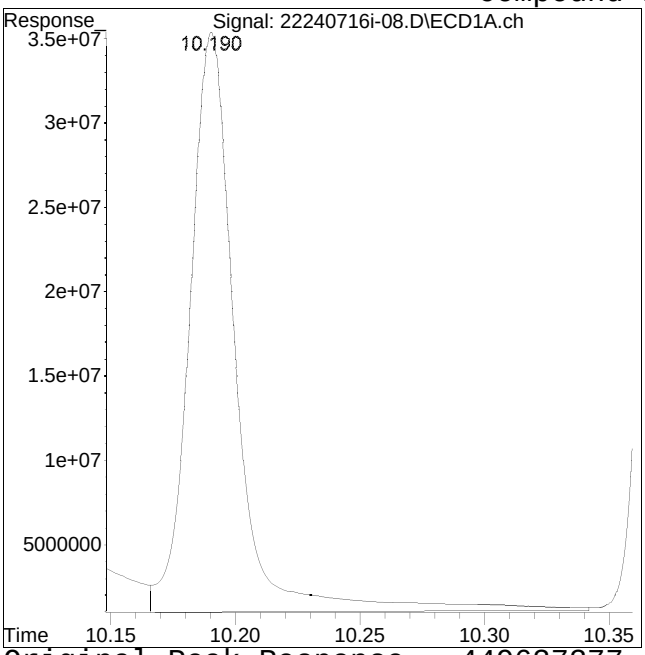
Manual Peak Response = 93276437 M4

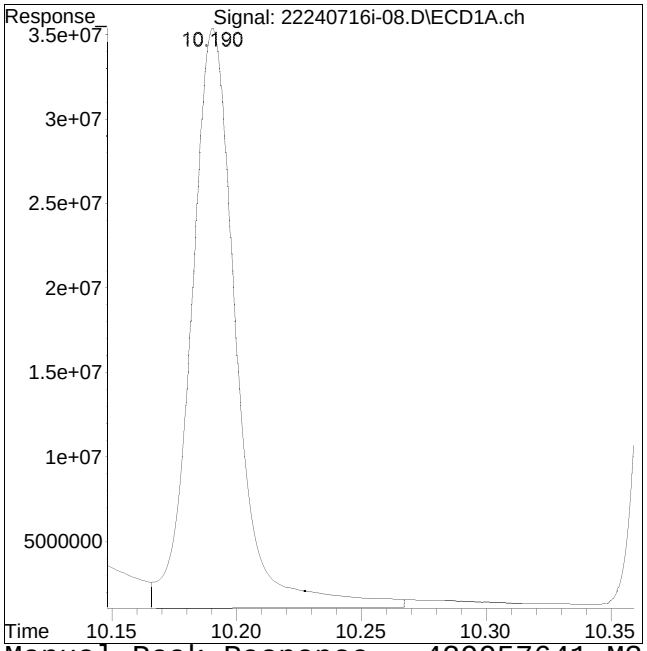
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240716QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240716i-08.D Operator : pest22:ejl
Date Inj'd : 7/16/2024 17:20 Instrument : Pest22
Sample : cicv,42e,,pp 11634 L0.2/20Quant Date : 7/16/2024 6:51 pm

Compound #12: Dinoseb





Original Peak Response = 449637377 Manual Peak Response = 429957641 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Relative Error Report Pest22

Method Path : I:\PEST\Pest22\2024\240716ical\
Method File : Herb22_2024_07_16_mgL_ICAL.m
Title : herb
Last Update : Tue Jul 16 18:48:22 2024

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
2	T Dalapon	L	mg/l	0.2	0.215	18.1	0.05	0.033	-27.5
15	T Dalapon #2	L	mg/l	0.2	0.198	8.8	0.05	0.038	-16.5
21	T 2,4-D #2	L	mg/l	0.2	0.201	6.9	0.05	0.035	-25.5

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
2	T Dalapon	Linear	0.993654	0.000000	0.185159	0.0234581
15	T Dalapon #2	Linear	0.998307	0.000000	0.176451	0.0267231
21	T 2,4-D #2	Linear	0.997101	0.000000	0.192786	0.0400346

Continuing Calibration

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST17		**Calibration Date**	: 08/27/24 06:09	
Lab File ID	: 17240827a-01		**Init. Calib. Date(s)**	: 07/12/24	07/12/24
Sample No	: WG1964271-1		**Init. Calib. Times**	: 14:41	16:13
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	112	0
Dalapon	0.147	0.209	-	-42.2*	15	163	0
DCAA (surrogate)	0.164	0.183	-	-11.6	15	124	0
Dicamba	0.547	0.548	-	-0.2	15	114	0
MCPP	0.00077	0.00067	-	13	15	93	0
MCPA	18.6	15.481	-	16.8*	15	92	0
Dichloroprop	0.153	0.178	-	-16.3*	15	135	0
2,4-D	0.176	0.203	-	-15.3*	15	134	0
2,4,5-TP (Silvex)	0.661	0.738	-	-11.6	15	128	0
2,4,5-T	0.607	0.72	-	-18.6*	15	137	0
2,4-DB	0.1	0.107	-	-7	15	123	0
Dinoseb	0.28	0.508	-	-81.4*	15	205	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST17		**Calibration Date**	: 08/27/24 06:09	
Lab File ID	: 17240827a-01		**Init. Calib. Date(s)**	: 07/12/24	07/12/24
Sample No	: WG1964271-1		**Init. Calib. Times**	: 14:41	16:13
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	101	0
Dalapon	0.205	0.218	-	-6.3	15	111	0
DCAA (surrogate)	0.204	0.202	-	1	15	99	0
Dicamba	0.597	0.574	-	3.9	15	98	0
MCPP	0.00074	0.00071	-	4.1	15	95	0
MCPA	18.6	18.399	-	1.1	15	94	0
Dichloroprop	0.189	0.189	-	0	15	101	0
2,4-D	0.23	0.226	-	1.7	15	99	0
2,4,5-TP (Silvex)	0.826	0.759	-	8.1	15	92	0
2,4,5-T	0.791	0.655	-	17.2*	15	84	0
2,4-DB	0.13	0.119	-	8.5	15	93	0
Dinoseb	0.479	0.44	-	8.1	15	94	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST22		**Calibration Date**	: 08/28/24 10:49	
Lab File ID	: 22240827a-66		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1964358-6		**Init. Calib. Times**	: 15:28	17:01
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	129	0
Dalapon	0.182	0.166	-	8.8	15	105	0
DCAA (surrogate)	0.194	0.18	-	7.2	15	114	0
Dicamba	0.564	0.564	-	0	15	124	0
MCPP	0.00044	0.00043	-	2.3	15	124	0
MCPA	0.00086	0.00083	-	3.5	15	121	0
Dichloroprop	0.18	0.171	-	5	15	118	0
2,4-D	0.217	0.209	-	3.7	15	120	-.05
2,4,5-TP (Silvex)	0.806	0.762	-	5.5	15	118	-.03
2,4,5-T	0.811	0.832	-	-2.6	15	128	-.04
2,4-DB	0.118	0.106	-	10.2	15	111	-.05
Dinoseb	0.581	0.44	-	24.3*	15	95	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Pesticides

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST22		**Calibration Date**	: 08/28/24 10:49	
Lab File ID	: 22240827a-66		**Init. Calib. Date(s)**	: 07/16/24	07/16/24
Sample No	: WG1964358-6		**Init. Calib. Times**	: 15:28	17:01
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
4,4'-DBOB	1	1	-	0	15	149	0
Dalapon	0.182	0.158	-	13.2	15	124	0
DCAA (surrogate)	0.194	0.183	-	5.7	15	134	0
Dicamba	0.57	0.541	-	5.1	15	135	0
MCPP	0.00058	0.00046	-	20.7*	15	114	0
MCPA	0.00106	0.00088	-	17*	15	121	0
Dichloroprop	0.18	0.165	-	8.3	15	131	0
2,4-D	0.188	0.183	-	2.7	15	139	0
2,4,5-TP (Silvex)	0.814	0.747	-	8.2	15	132	0
2,4,5-T	0.774	0.683	-	11.8	15	128	-.01
2,4-DB	0.131	0.112	-	14.5	15	125	-.01
Dinoseb	0.525	0.462	-	12	15	126	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024 10:49
Operator : pest22:jag
Sample   : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc   : wg1964358,,ical21298
ALS Vial : 66   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	129	0.00
2	t	Dalapon	*	0.182	0.166	8.8	105	0.00
3	s	DCAA (surrogate)		0.194	0.180	7.2	114	0.00
4	t	Dicamba		0.564	0.564	0.0	124	0.00
5	t	MCPP		0.00044	0.00043	2.3	124	0.00
6	t	MCPA		0.00086	0.00083	3.5	121	0.00
7	t	Dichloroprop		0.180	0.171	5.0	118	0.00
8	t	2,4-D		0.217	0.209	3.7	120	-0.05
9	t	2,4,5-TP (Silvex)		0.806	0.762	5.5	118	-0.03
10	t	2,4,5-T		0.811	0.832	-2.6	128	-0.04
11	t	2,4-DB		0.118	0.106	10.2	111	-0.05
12	t	Dinoseb		0.581	0.440	24.3#	95	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	149	0.00
2	t	Dalapon	*	0.182	0.158	13.2	124	0.00
3	s	DCAA (surrogate)		0.194	0.183	5.7	134	0.00
4	t	Dicamba		0.570	0.541	5.1	135	0.00
5	t	MCPP		0.00058	0.00046	20.7#	114	0.00
6	t	MCPA		0.00106	0.00088	17.0#	121	0.00
7	t	Dichloroprop		0.180	0.165	8.3	131	0.00
8	t	2,4-D	*	0.188	0.183	2.7	139	0.00
9	t	2,4,5-TP (Silvex)		0.814	0.747	8.2	132	0.00
10	t	2,4,5-T		0.774	0.683	11.8	128	-0.01
11	t	2,4-DB		0.131	0.112	14.5	125	-0.01
12	t	Dinoseb		0.525	0.462	12.0	126	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 28 Aug 2024 10:49
Operator : pest22:jag
Sample   : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc   : wg1964358,,ical21298
ALS Vial : 66   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.494	8.480	1243.8E6	1444.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.952	7.410	168.5E6	199.2E6	0.174	0.177M3
		Spiked Amount	0.500	Range	30 - 150	Recovery =	34.80%	35.40%
		Target Compounds						
2)	t	Dalapon	2.365	2.356	181.8E6	199.7E6	0.166M3	0.158M3
4)	t	Dicamba	7.132	7.590	527.3E6	587.2E6	0.188M4	0.178M4
5)	t	MCPP	7.334	7.702	40456453	50001947	18.277M4	14.794M4
6)	t	MCPA	7.481	7.928	77105411	94998103	18.015M4	15.582M3
7)	t	Dichloroprop	7.836	8.246	159.9E6	179.8E6	0.179M3	0.173M3
8)	t	2,4-D	8.058f	8.524	195.4E6	262.0E6	0.181M2	0.183M3
9)	t	2,4,5-TP (Si	8.769f	9.181	720.3E6	819.9E6	0.180M4	0.174M3
10)	t	2,4,5-T	8.999f	9.472	786.5E6	749.9E6	0.195M2	0.168M4
11)	t	2,4-DB	9.409f	9.834	101.6E6	124.0E6	0.173M2	0.164M2
12)	t	Dinoseb	10.144	10.053	415.6E6	507.6E6	0.144M4	0.167M4

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

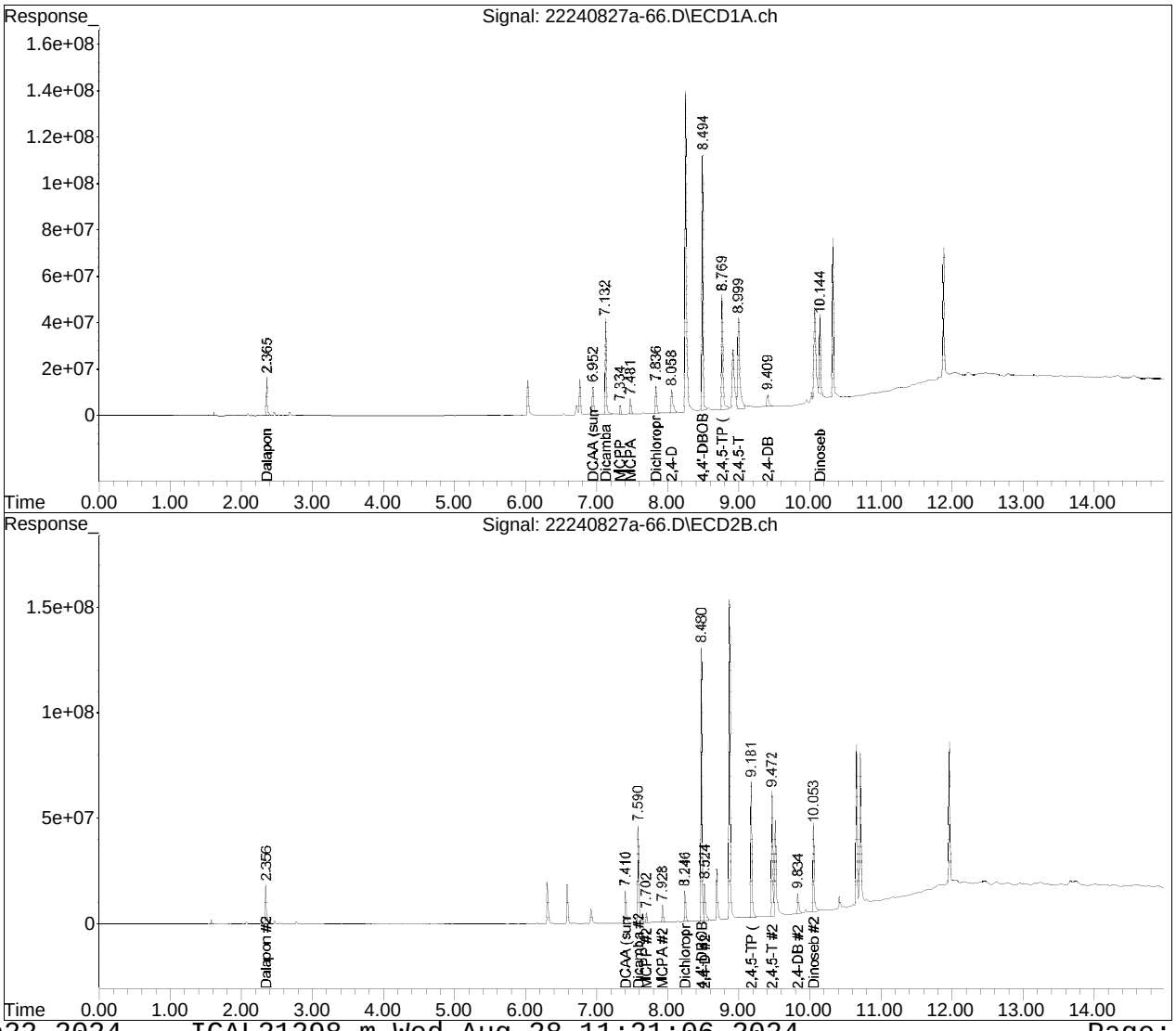
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-66.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 10:49
Operator : pest22:jag
Sample : wg1964358-6,42,,herb11705 (Sig #1); herb-11705 (Sig #2)
Misc : wg1964358,,ical21298
ALS Vial : 66 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 11:17:01 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

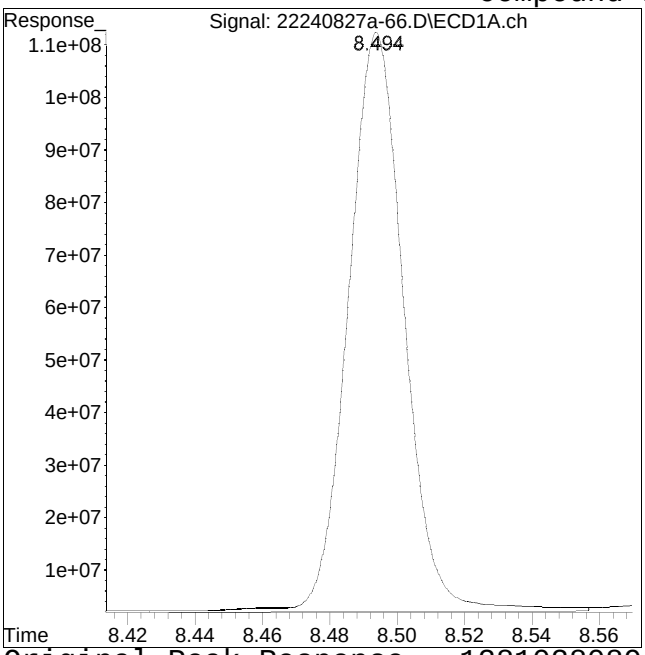
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

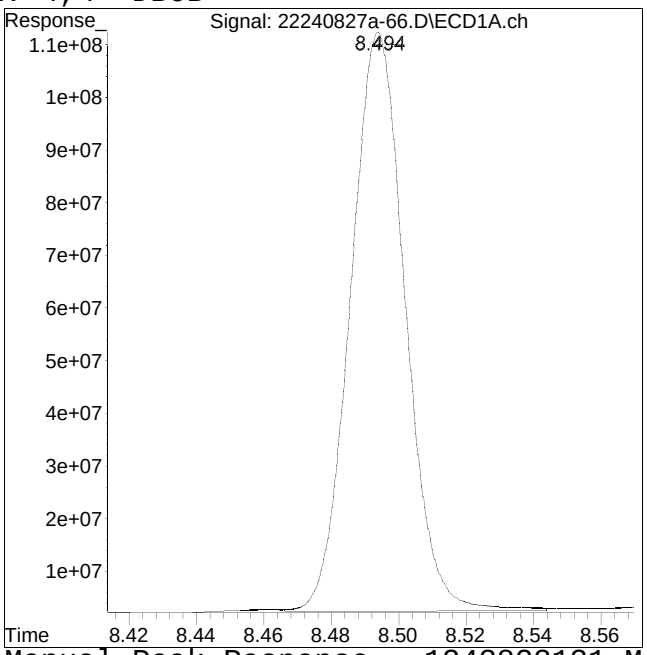


Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #1: 4,4'-DBOB



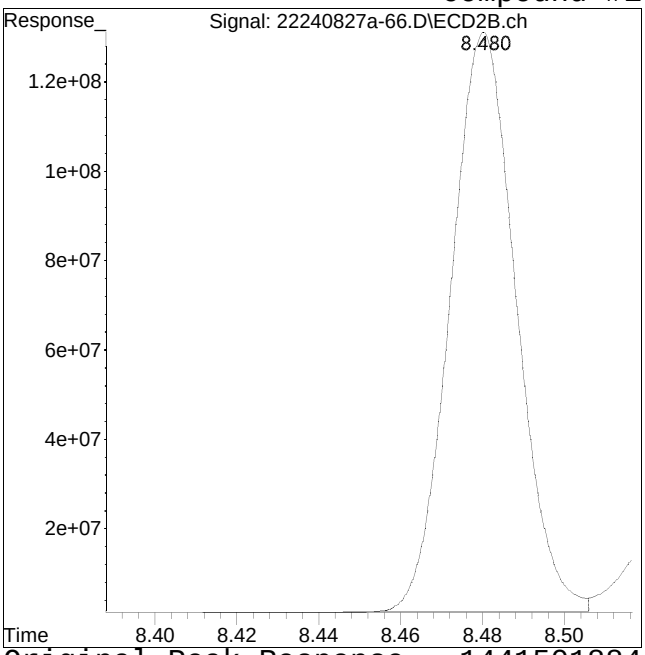


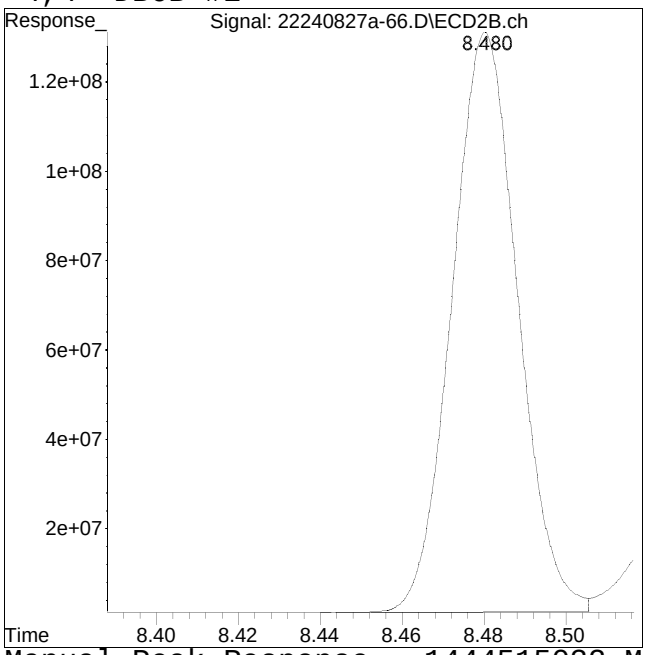
Original Peak Response = 1281028089 Manual Peak Response = 1243823131 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #14: 4,4'-DBOB #2



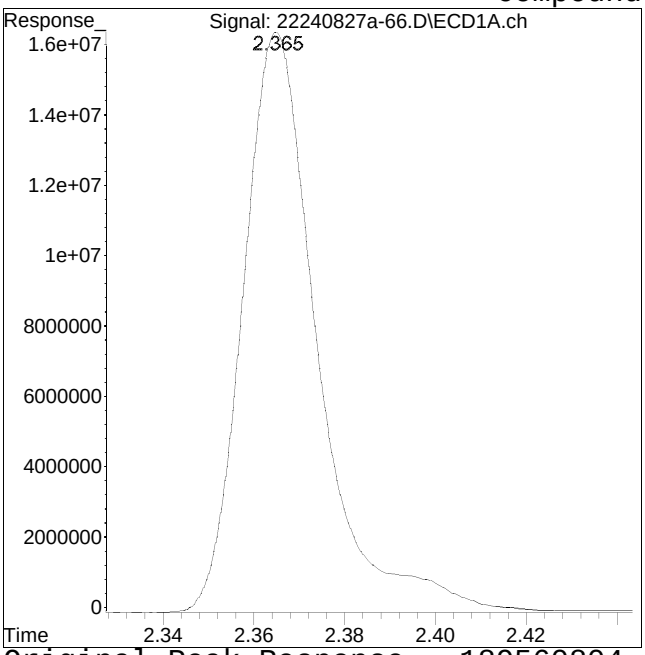


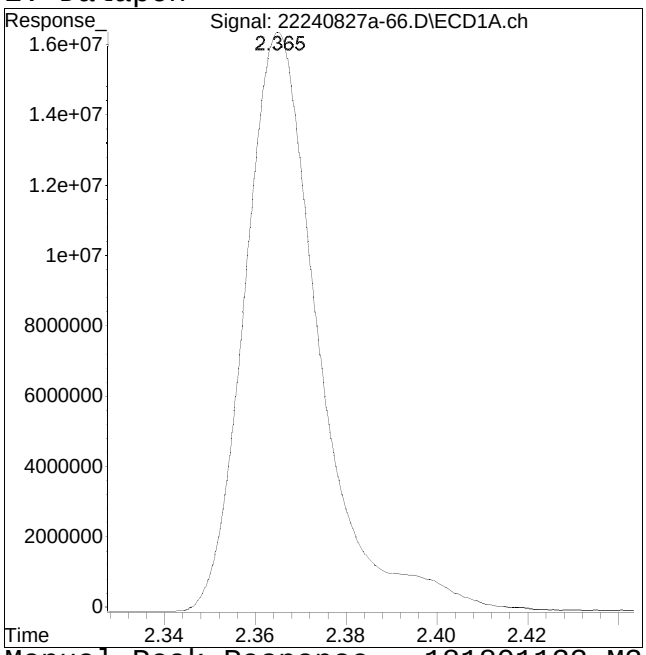
Original Peak Response = 1441501884 Manual Peak Response = 1444515032 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #2: Dalapon



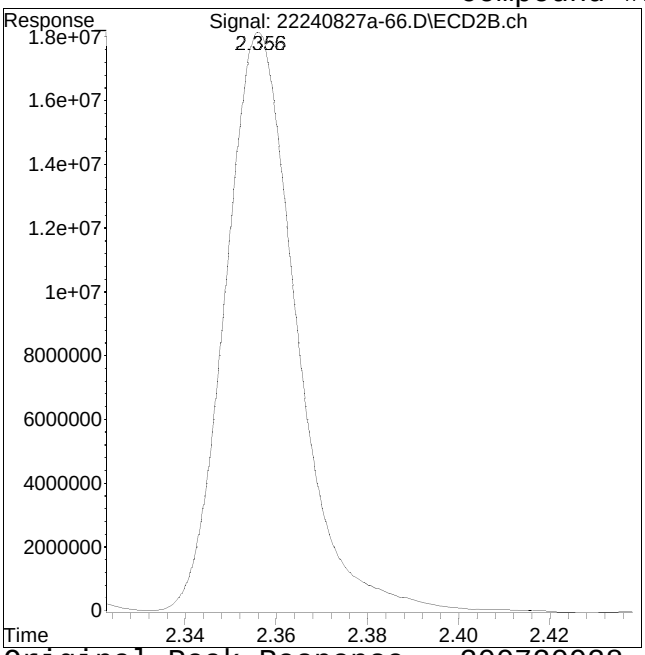


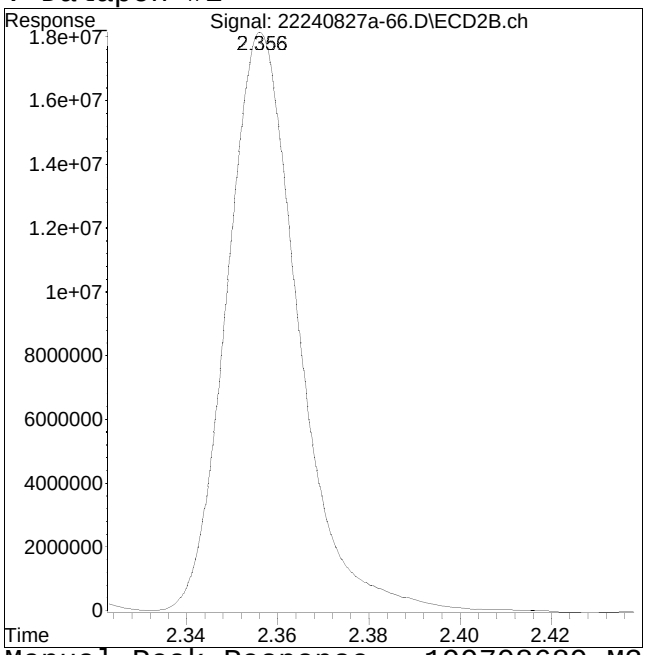
Original Peak Response = 189560804 Manual Peak Response = 181801133 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #15: Dalapon #2



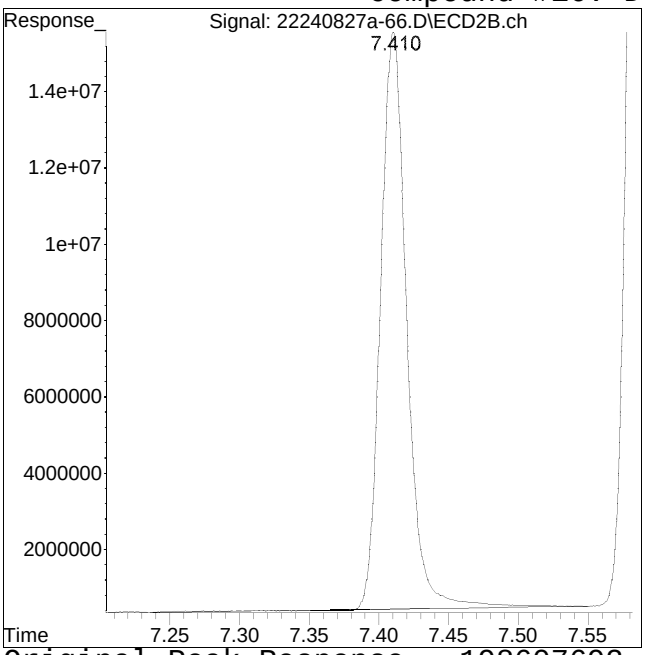


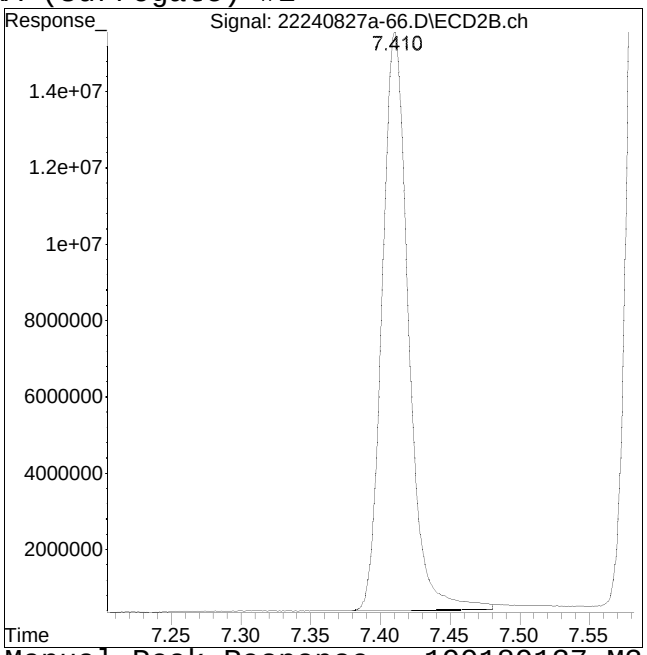
Original Peak Response = 200720928 Manual Peak Response = 199708689 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #16: DCAA (surrogate) #2



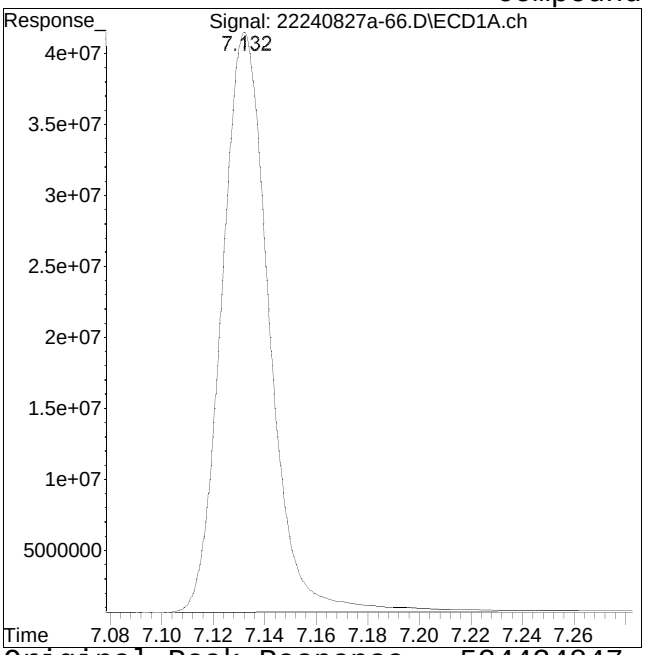


Original Peak Response = 198607692 Manual Peak Response = 199189137 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

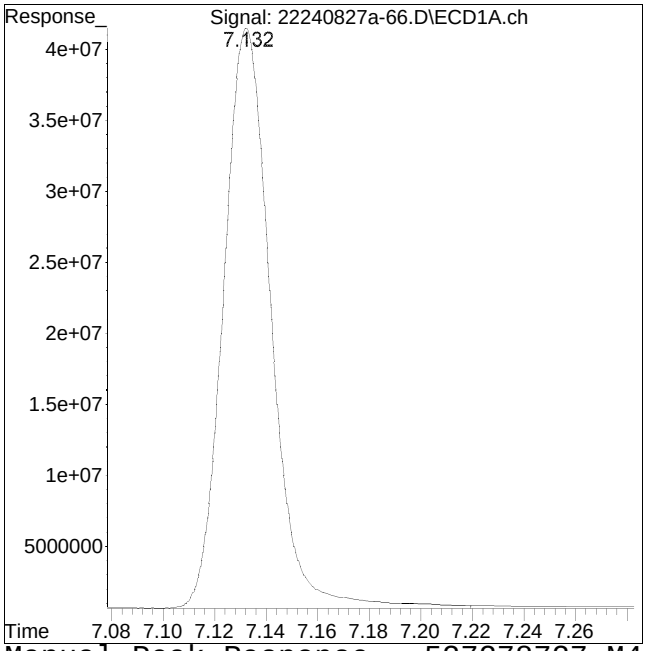
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #4: Dicamba



Original Peak Response = 524434847



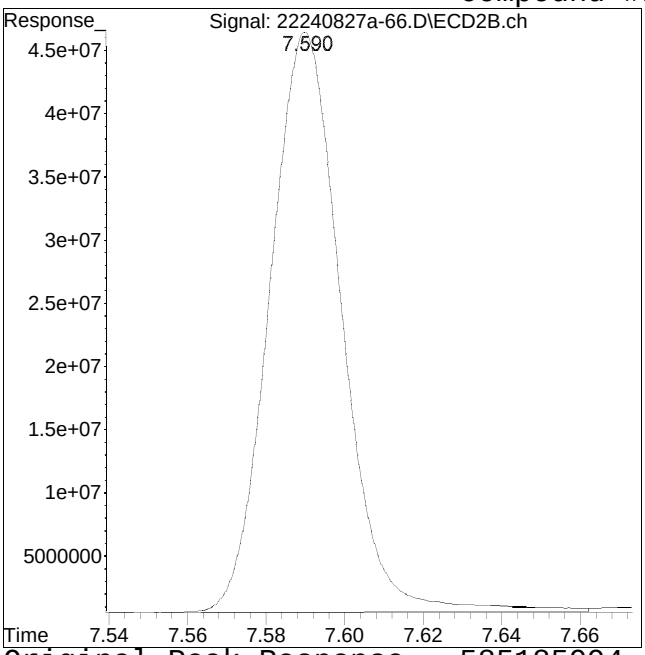
Manual Peak Response = 527278727 M4

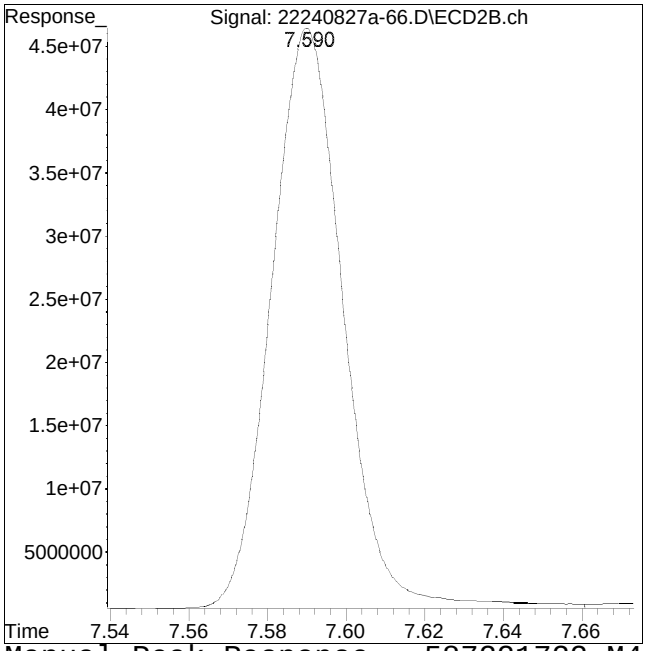
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #17: Dicamba #2



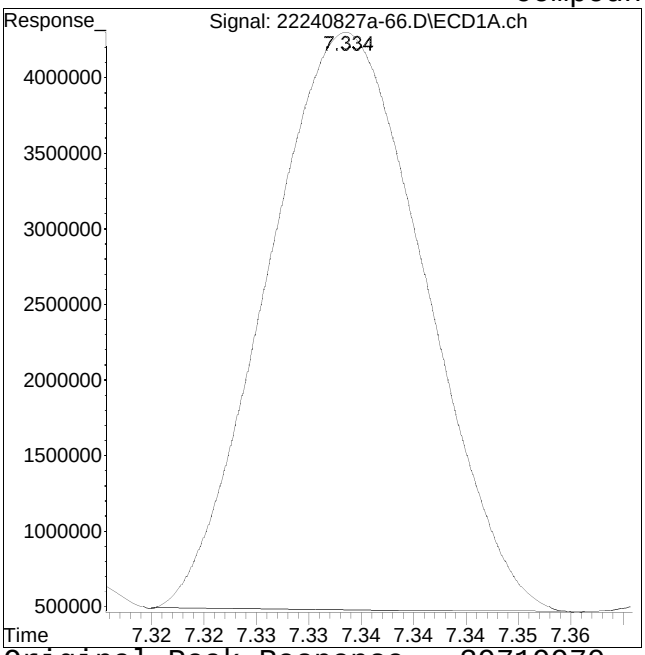


Original Peak Response = 585185994 Manual Peak Response = 587221722 M4
M4 = Poor automated baseline construction.

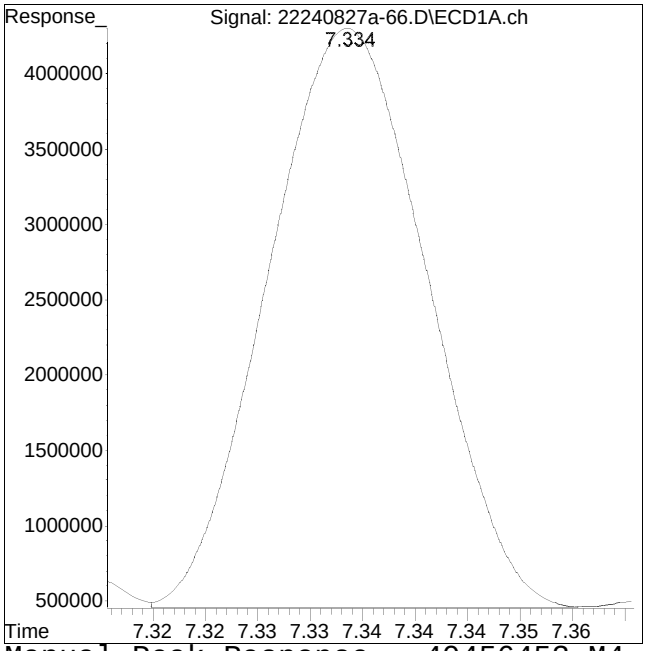
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #5: MCPP



Original Peak Response = 39719970



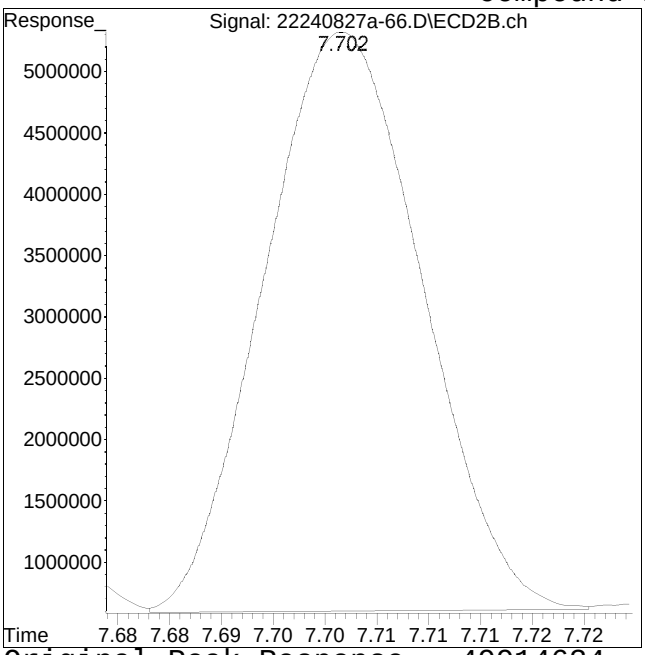
Manual Peak Response = 40456453 M4

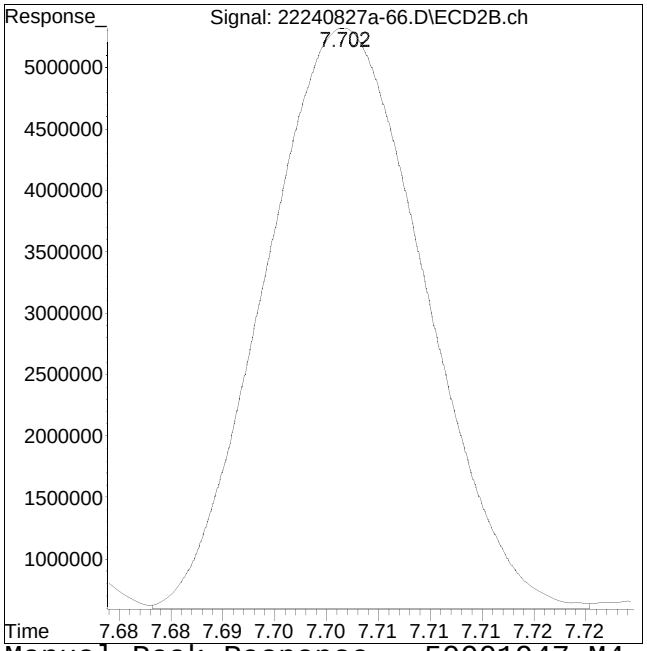
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #18: MCPP #2



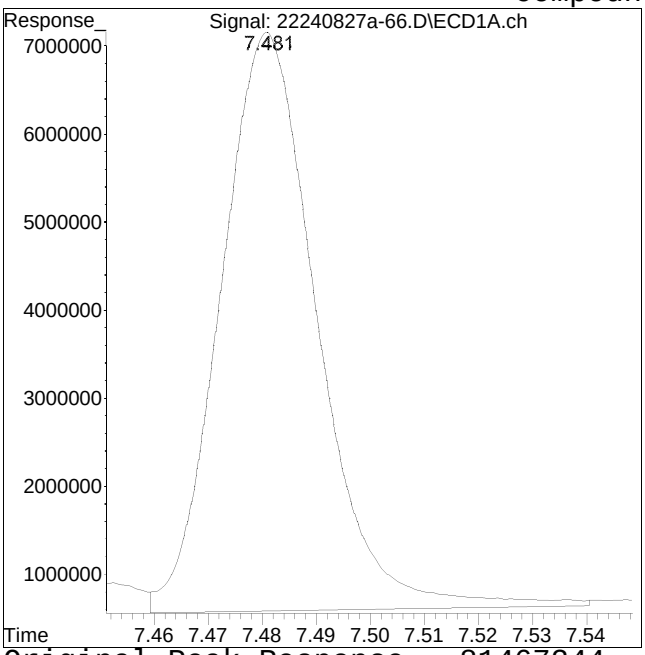


Original Peak Response = 49914634 Manual Peak Response = 50001947 M4
M4 = Poor automated baseline construction.

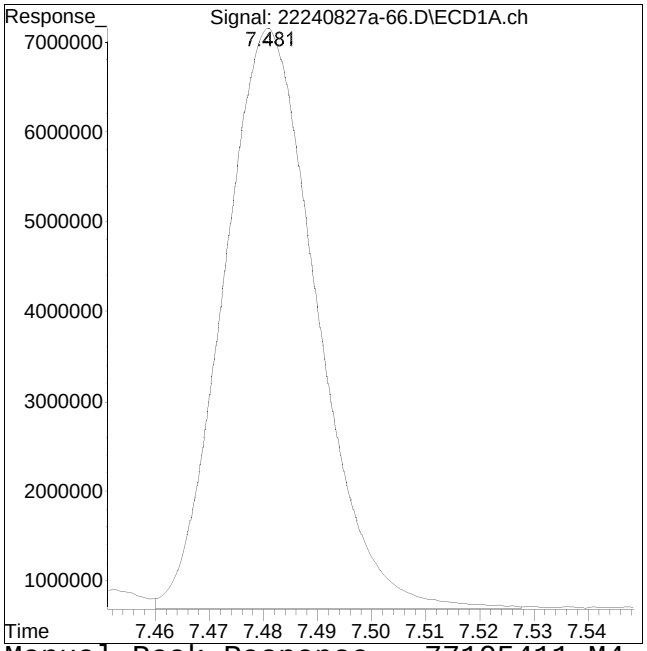
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #6: MCPA



Original Peak Response = 81467244



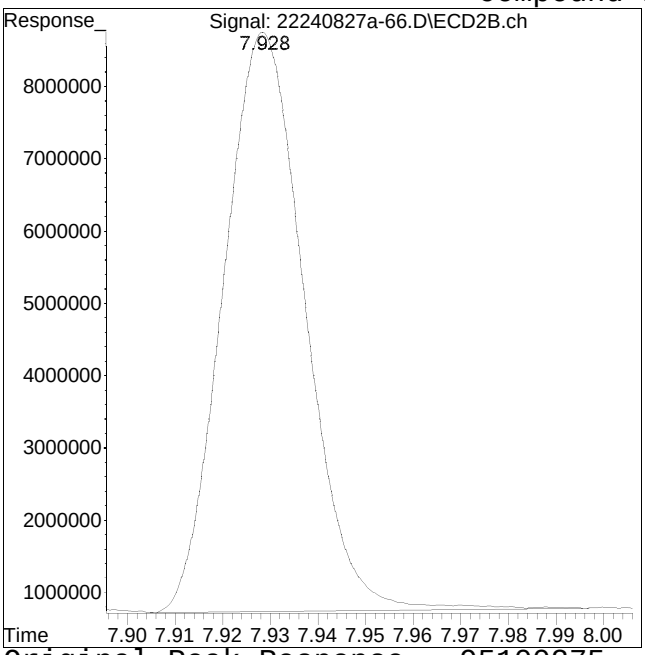
Manual Peak Response = 77105411 M4

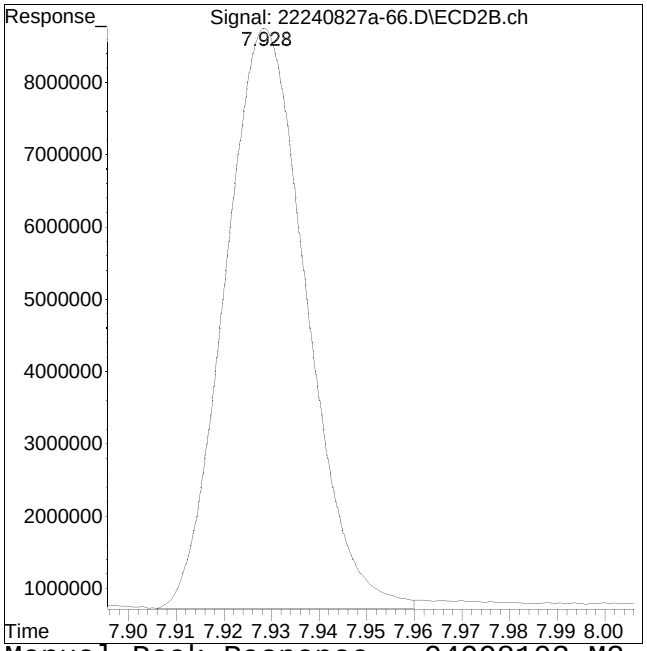
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #19: MCPA #2



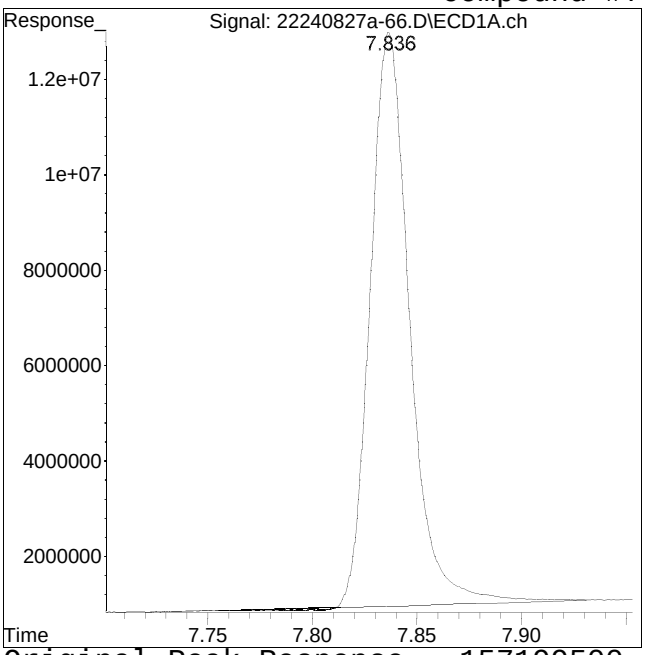


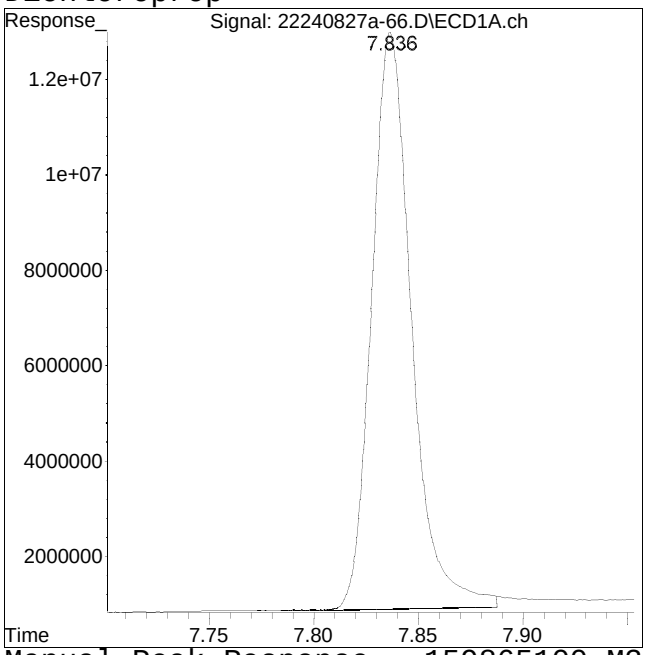
Original Peak Response = 95100275 Manual Peak Response = 94998103 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #7: Dichloroprop



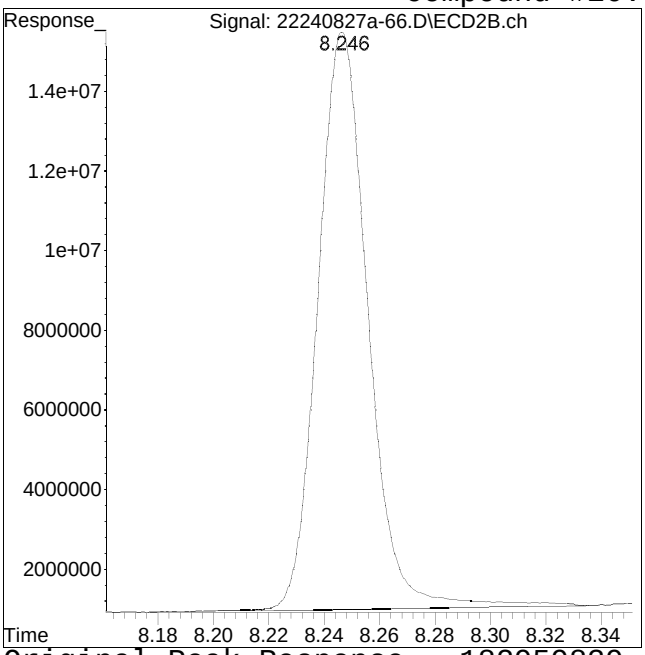


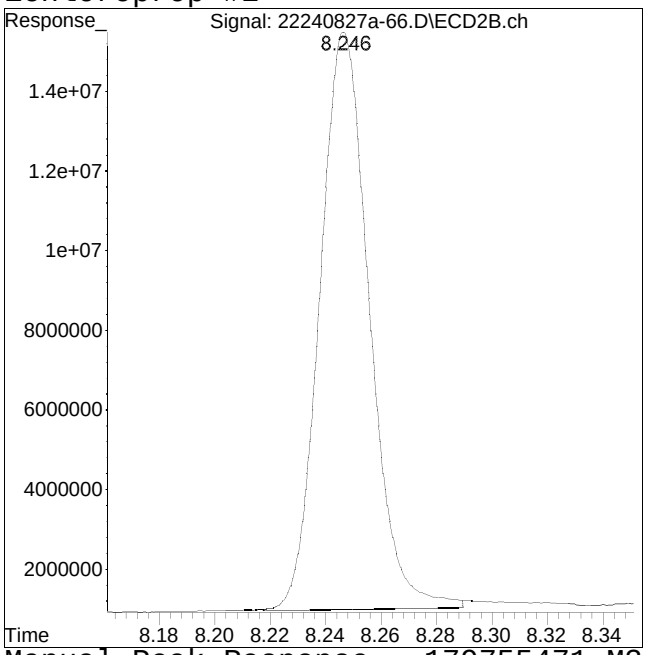
Original Peak Response = 157199500 Manual Peak Response = 159865100 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #20: Dichloroprop #2



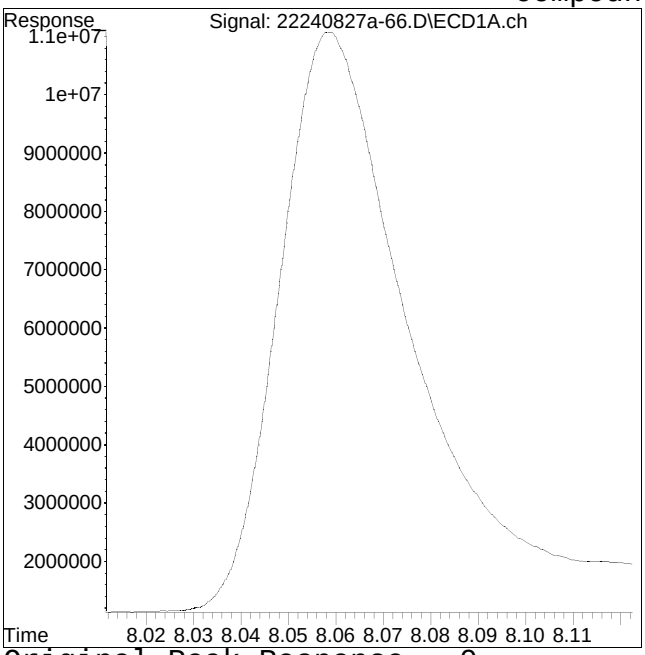


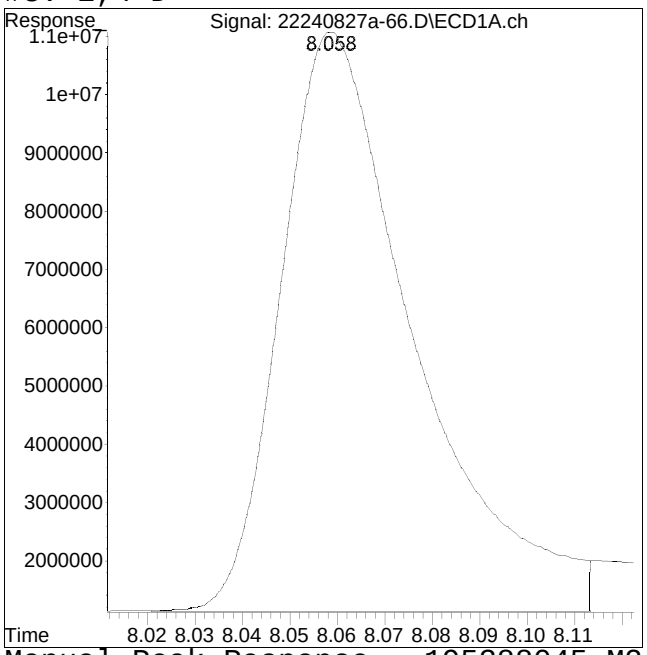
Original Peak Response = 182959839 Manual Peak Response = 179755471 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #8: 2,4-D



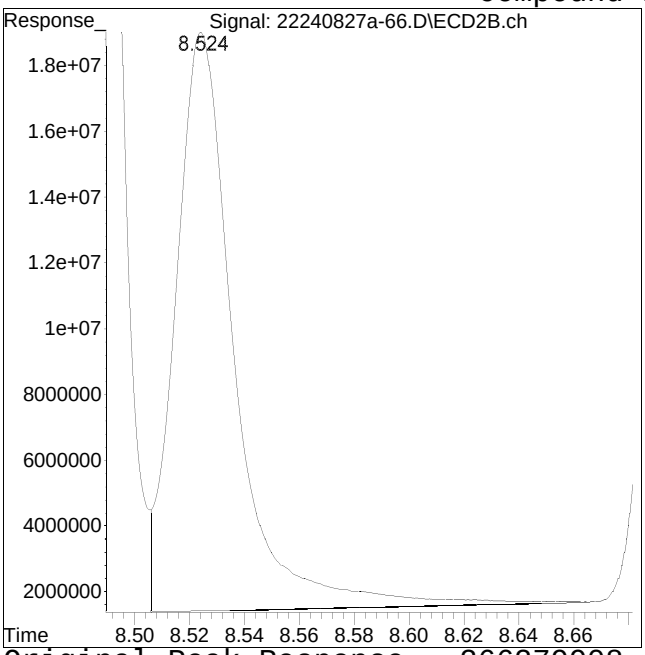


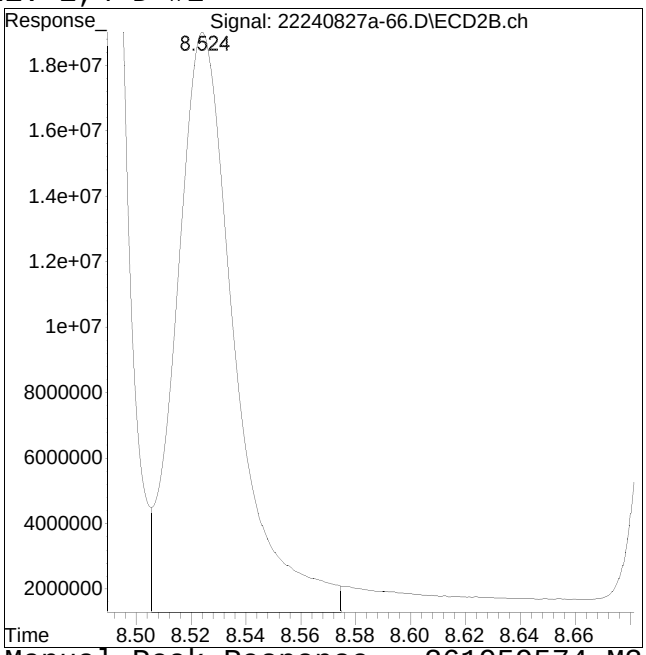
Original Peak Response = 0 Manual Peak Response = 195388045 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #21: 2,4-D #2



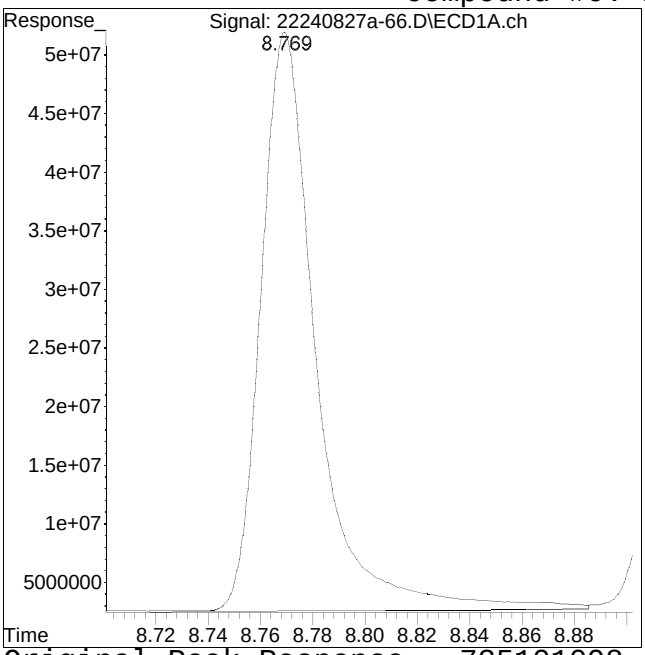


Original Peak Response = 266279908 Manual Peak Response = 261959574 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

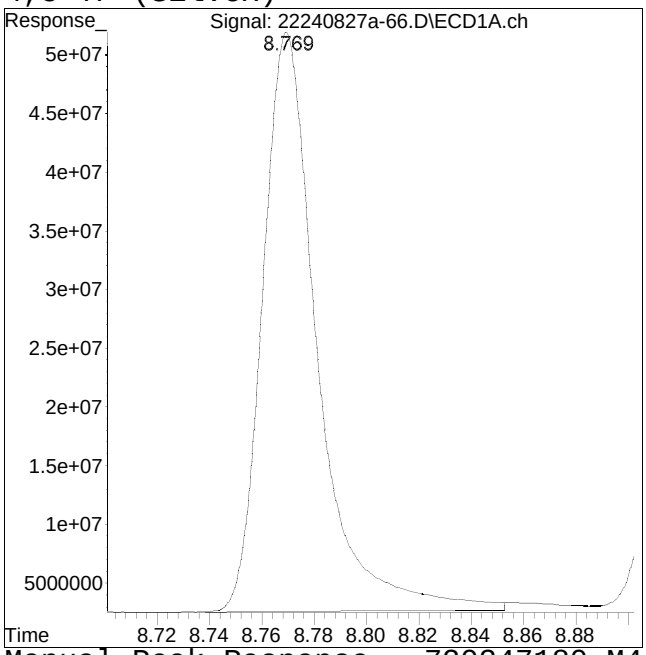
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 735101098



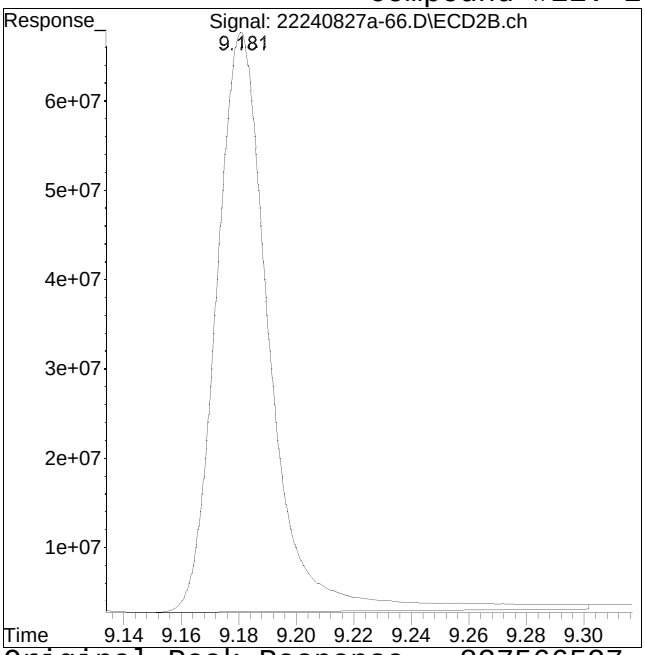
Manual Peak Response = 720347180 M4

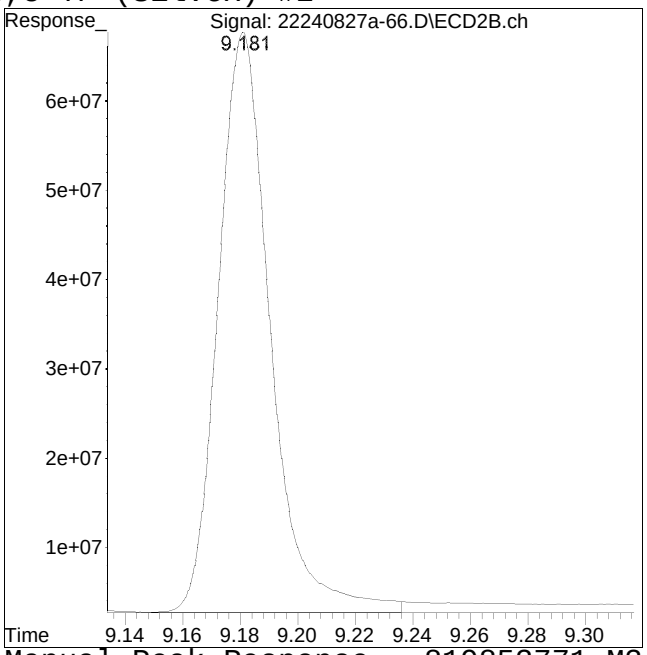
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #22: 2,4,5-TP (Silvex) #2



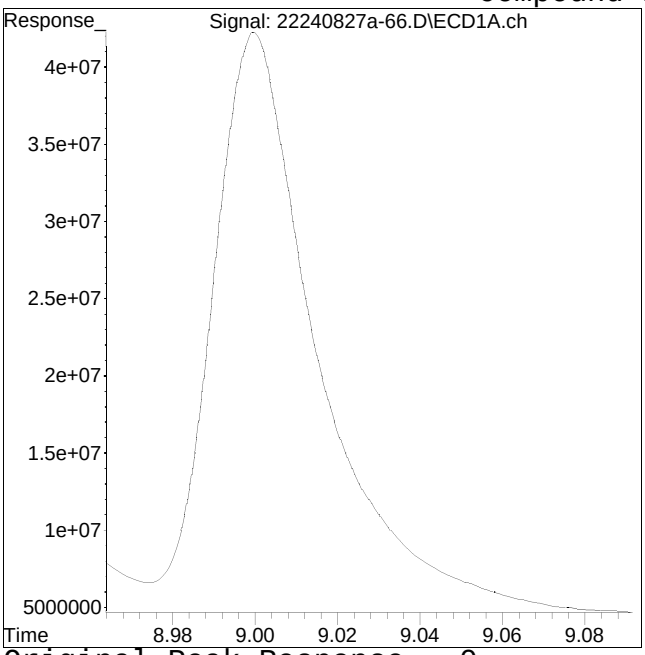


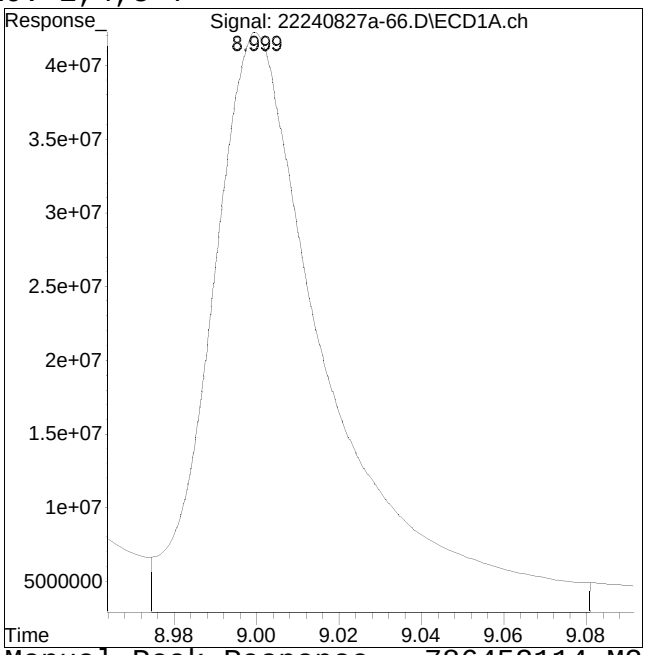
Original Peak Response = 837566527 Manual Peak Response = 819853771 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #10: 2,4,5-T



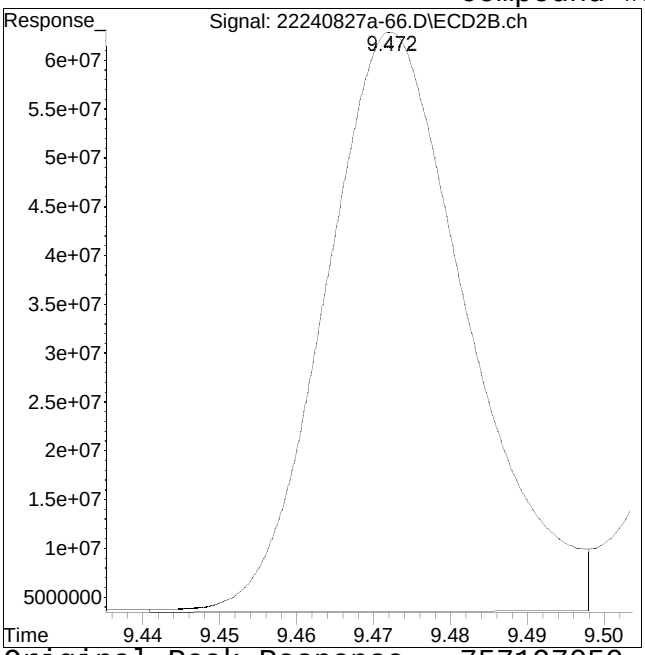


Original Peak Response = 0 Manual Peak Response = 786452114 M2
M2 = Peak not found by automatic integration algorithm.

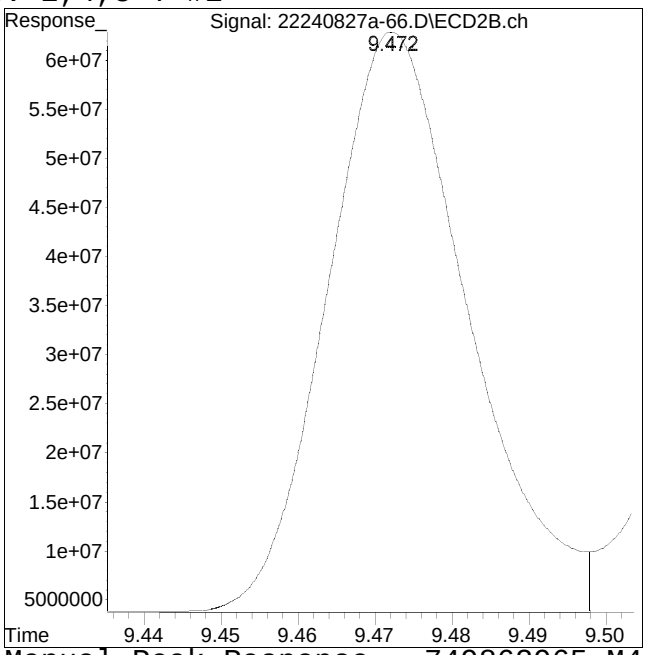
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #23: 2,4,5-T #2



Original Peak Response = 757197050



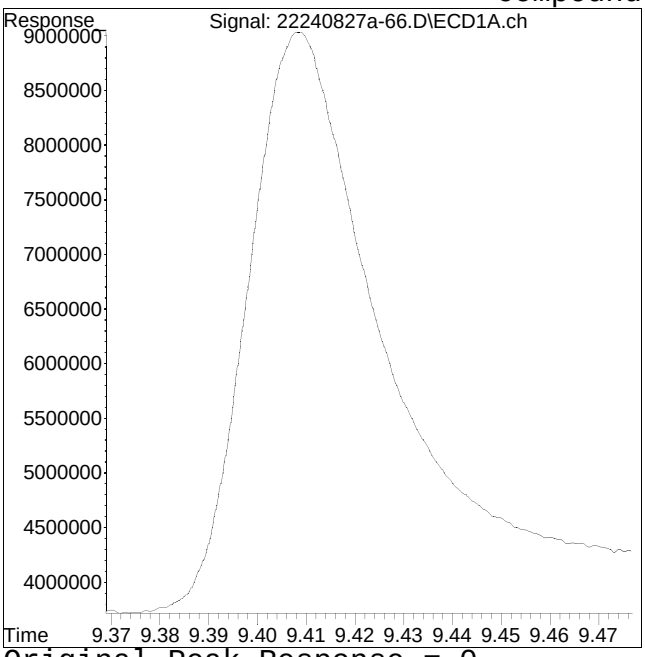
Manual Peak Response = 749862965 M4

M4 = Poor automated baseline construction.

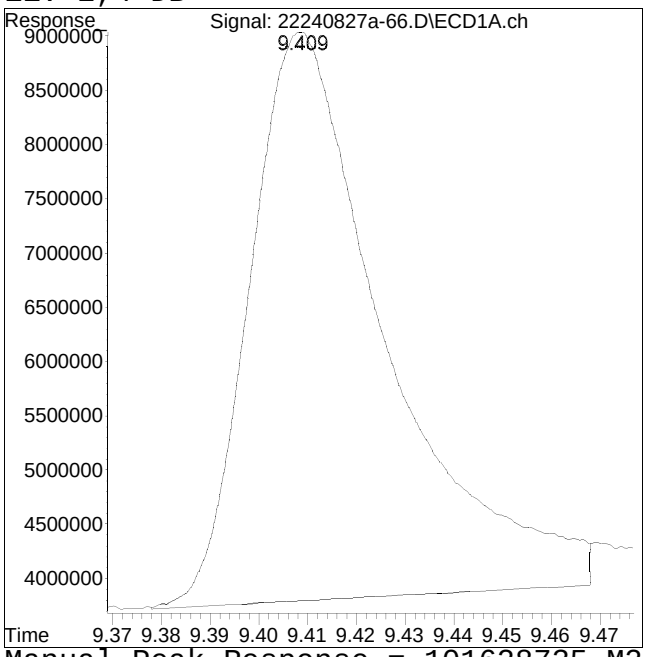
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #11: 2,4-DB



Original Peak Response = 0



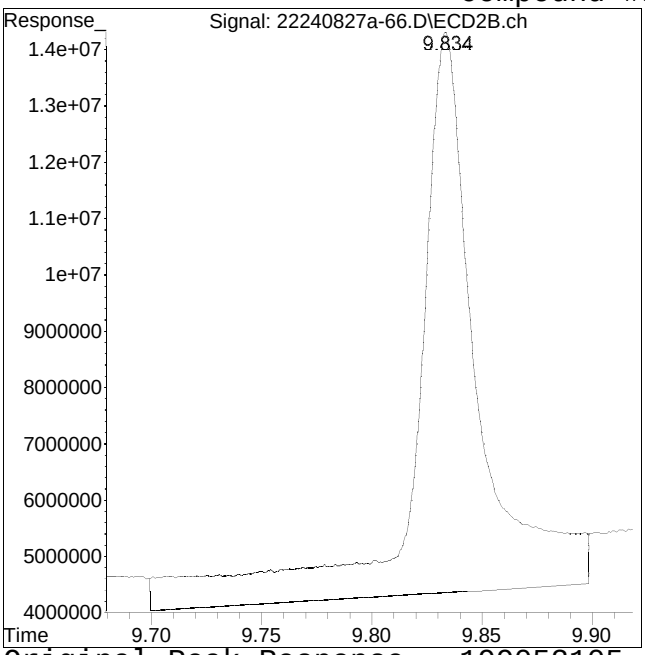
Manual Peak Response = 101628735 M2

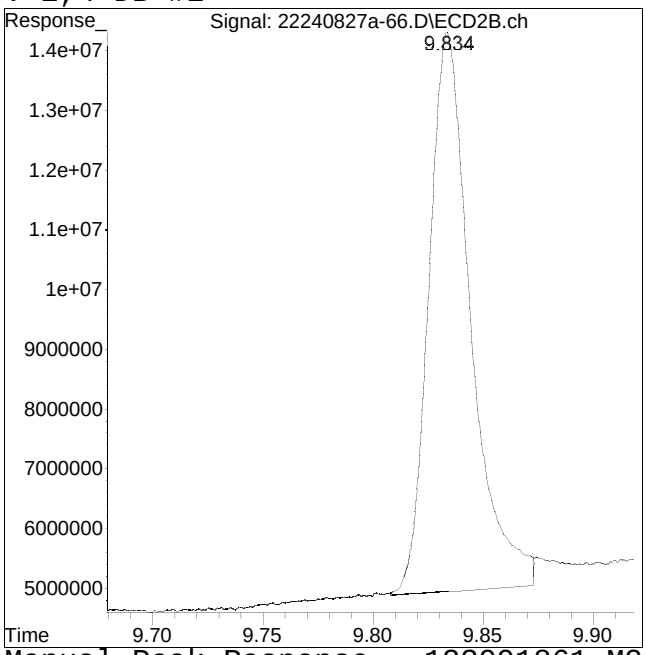
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #24: 2,4-DB #2



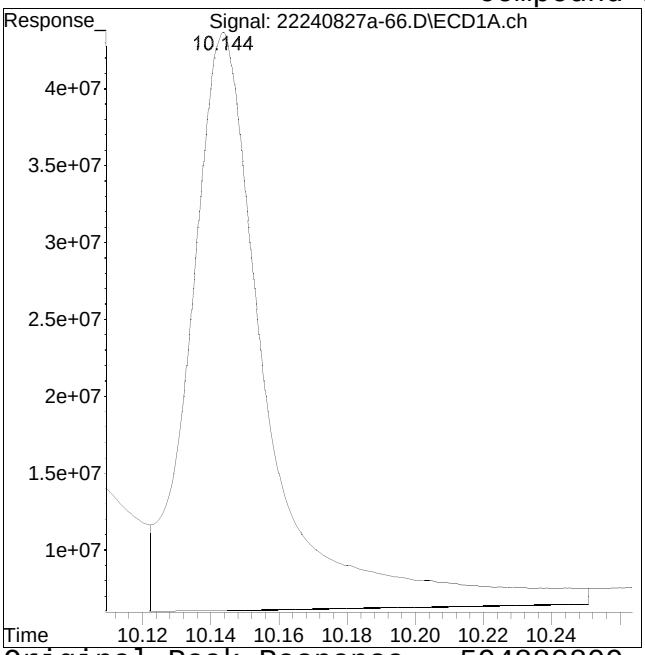


Original Peak Response = 199052105 Manual Peak Response = 123991861 M2
M2 = Peak not found by automatic integration algorithm.

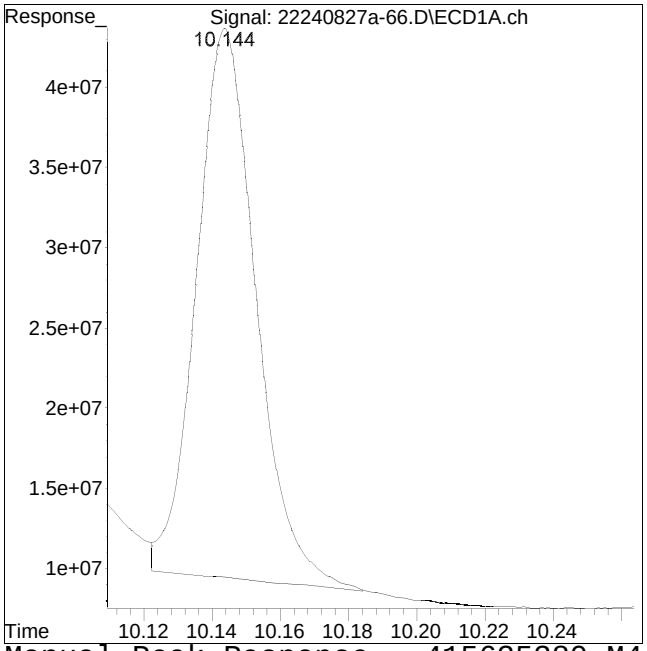
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #12: Dinoseb



Original Peak Response = 594880809



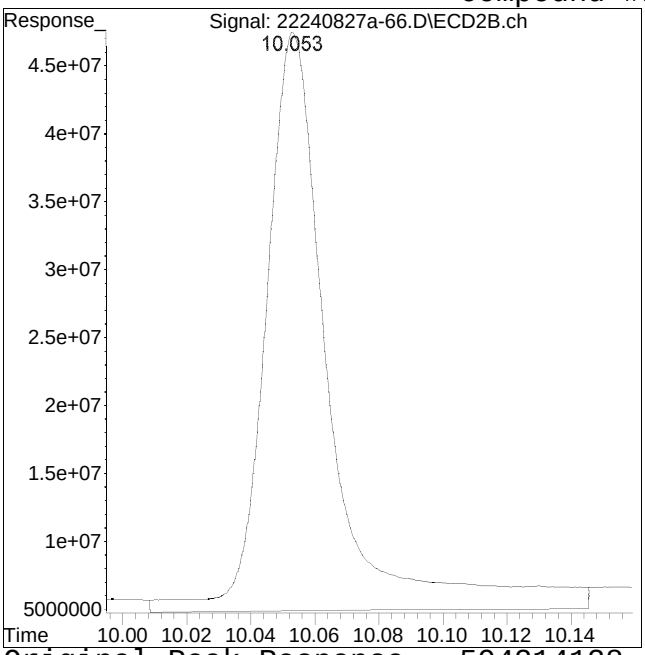
Manual Peak Response = 415635380 M4

M4 = Poor automated baseline construction.

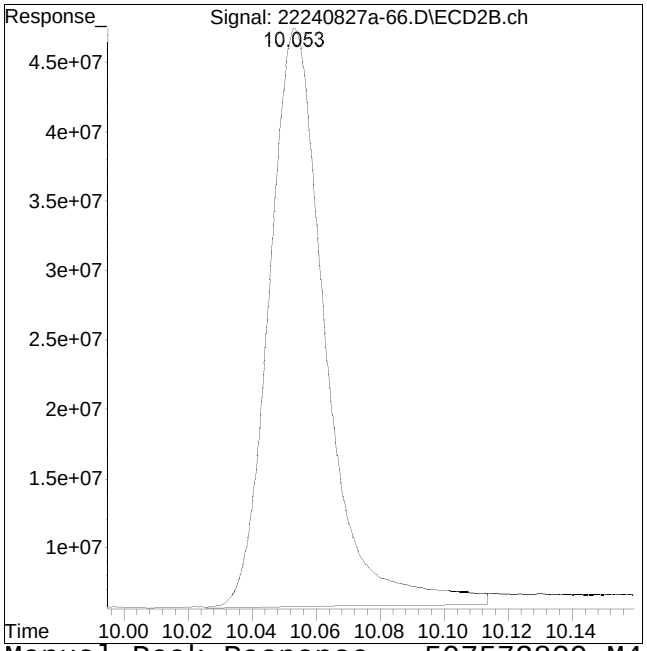
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-66.D Operator : pest22:jag
Date Inj'd : 8/28/2024 10:49 Instrument : Pest22
Sample : wg1964358-6,42,,herb11705 Quant Date : 8/28/2024 11:17 am

Compound #25: Dinoseb #2



Original Peak Response = 594214128



Manual Peak Response = 507572829 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024   6:09
Operator : PEST17:peg
Sample   : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	4,4'-DBOB	^	1.000	1.000	0.0	112	0.00
2	t	Dalapon		0.147	0.209	-42.2#	163#	0.00
3	s	DCAA (surrogate)		0.164	0.183	-11.6	124	0.00
4	t	Dicamba		0.547	0.548	-0.2	114	0.00
5	t	MCPP		0.00077	0.00067	13.0	93	0.00
6	t	MCPA	*	18.600	15.481	16.8#	92	0.00
7	t	Dichloroprop		0.153	0.178	-16.3#	135	0.00
8	t	2,4-D		0.176	0.203	-15.3#	134	0.00
9	t	2,4,5-TP (Silvex)		0.661	0.738	-11.6	128	0.00
10	t	2,4,5-T		0.607	0.720	-18.6#	137	0.00
11	t	2,4-DB		0.100	0.107	-7.0	123	0.00
12	t	Dinoseb		0.280	0.508	-81.4#	205#	0.00

Signal #2

1	i	4,4'-DBOB	^	1.000	1.000	0.0	101	0.00
2	t	Dalapon		0.205	0.218	-6.3	111	0.00
3	s	DCAA (surrogate)		0.204	0.202	1.0	99	0.00
4	t	Dicamba		0.597	0.574	3.9	98	0.00
5	t	MCPP		0.00074	0.00071	4.1	95	0.00
6	t	MCPA	*	18.600	18.399	1.1	94	0.00
7	t	Dichloroprop		0.189	0.189	0.0	101	0.00
8	t	2,4-D		0.230	0.226	1.7	99	0.00
9	t	2,4,5-TP (Silvex)		0.826	0.759	8.1	92	0.00
10	t	2,4,5-T		0.791	0.655	17.2#	84	0.00
11	t	2,4-DB		0.130	0.119	8.5	93	0.00
12	t	Dinoseb		0.479	0.440	8.1	94	0.00

Evaluate Continuing Calibration Report - Not Founds

Evaluate Continuing Calibration Report

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On   : 27 Aug 2024   6:09
Operator : PEST17:peg
Sample   : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc   : wg1964271,,ical21289
ALS Vial : 1   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

Signal #2

---

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

		Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
		Internal Standards						
1)	i	4,4'-DBOB	8.410	8.399	668.9E6	630.5E6	0.250M4	0.250M4
		System Monitoring Compounds						
3)	s	DCAA (surrog	6.854	7.321	91909045	95795164	0.209	0.186M4
		Spiked Amount	0.500	Range 30 - 150		Recovery =	41.80%	37.20%
		Target Compounds						
2)	t	Dalapon	1.884	1.911	101.6E6	99961231	0.259M3	0.193M3
4)	t	Dicamba	7.038	7.501	275.4E6	272.4E6	0.188	0.181M4
5)	t	MCPP	7.242	7.615	33953263	33752791	16.466M4	18.009M4
6)	t	MCPA	7.389	7.842	55453201	57487286	15.481	18.399M4
7)	t	Dichloroprop	7.745	8.162	89627785	89572737	0.219	0.188
8)	t	2,4-D	7.960	8.444	102.4E6	107.2E6	0.218M4	0.185
9)	t	2,4,5-TP (Si	8.692	9.109	375.0E6	363.5E6	0.212	0.175
10)	t	2,4,5-T	8.919	9.404	366.0E6	314.0E6	0.225M4	0.157M4
11)	t	2,4-DB	9.338	9.771	55001020	57431485	0.206M2	0.175
12)	t	Dinoseb	10.074	9.985	258.3E6	211.1E6	0.345M4	0.175M4
	D							
		SemiQuant Compounds - Not Calibrated on this Instrument						

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l

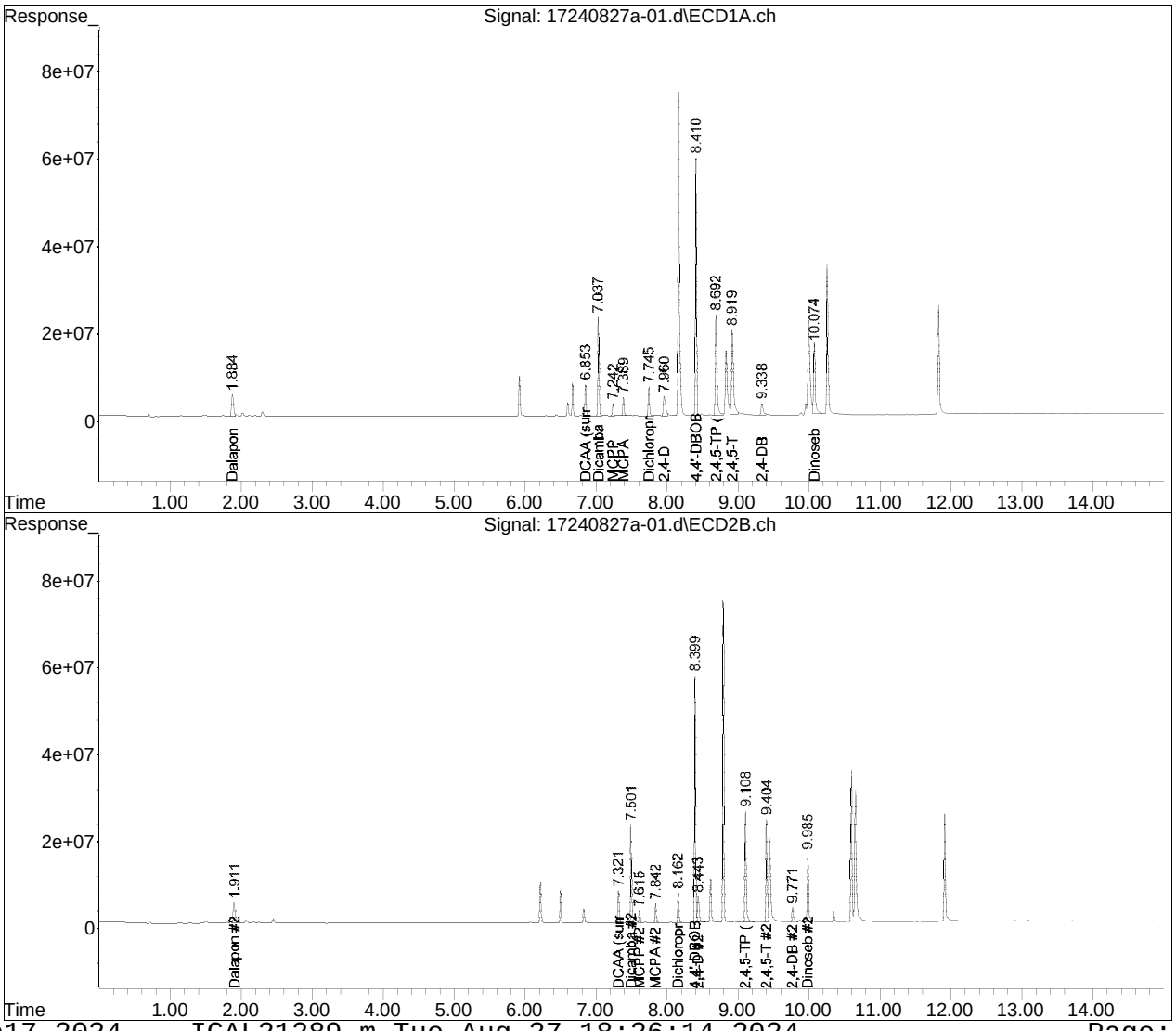
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-01.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 6:09
Operator : PEST17:peg
Sample : wg1964271-1,42,,herb11705 (Sig #1); herb11705 (Sig #2)
Misc : wg1964271,,ical21289
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 07:03:37 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

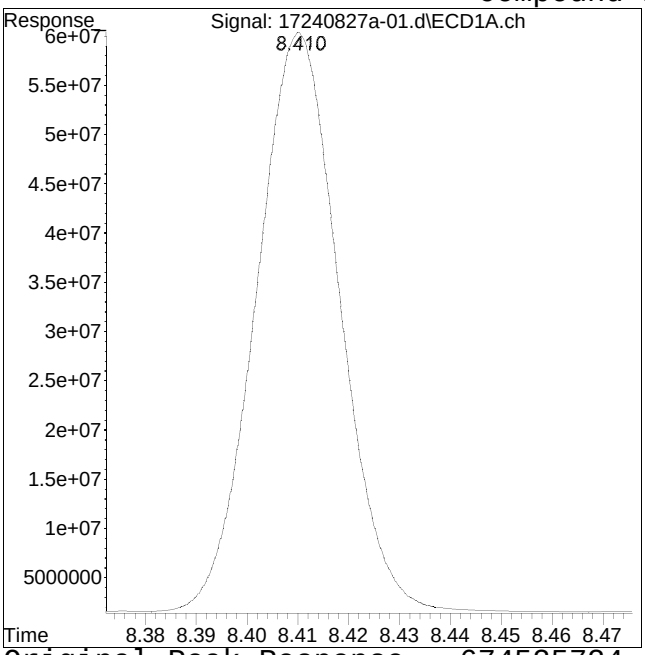
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



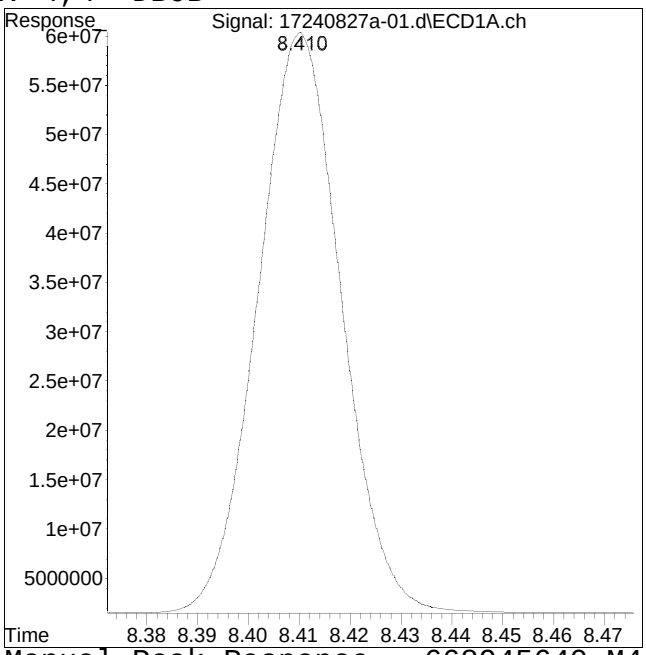
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #1: 4,4'-DBOB



Original Peak Response = 674525724

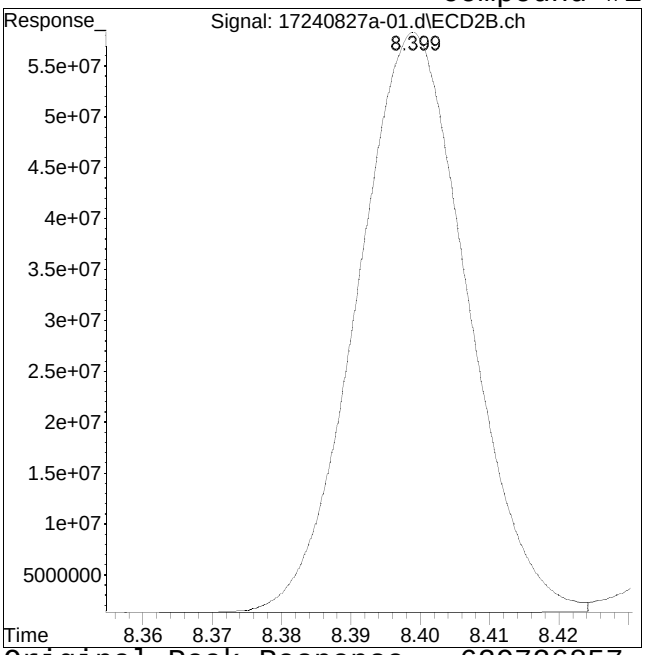


Manual Peak Response = 668945640 M4
M4 = Poor automated baseline construction.

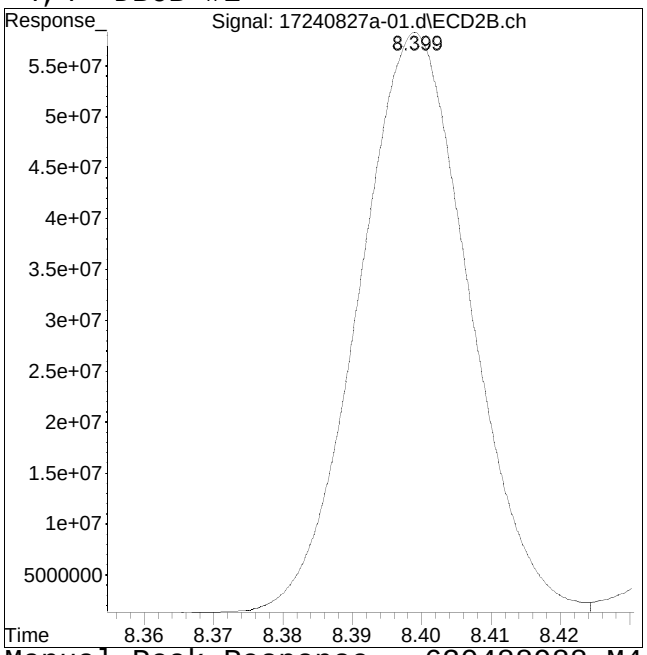
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #14: 4,4'-DBOB #2



Original Peak Response = 629726857



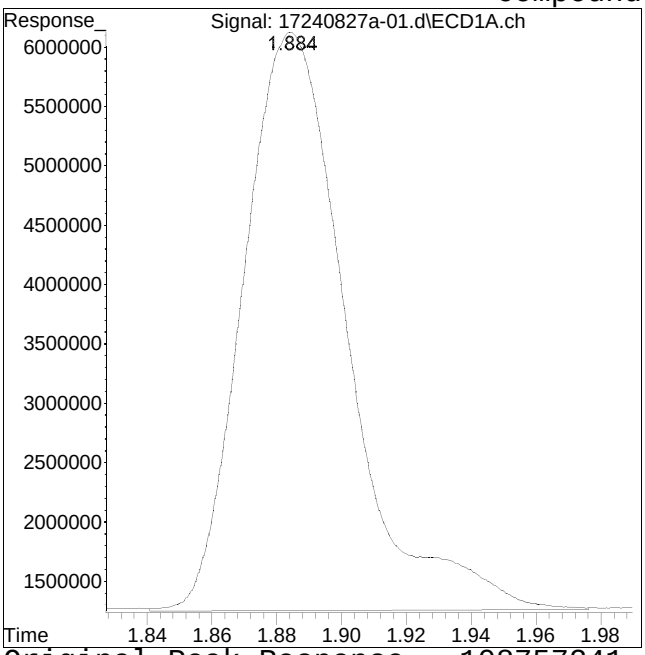
Manual Peak Response = 630488988 M4

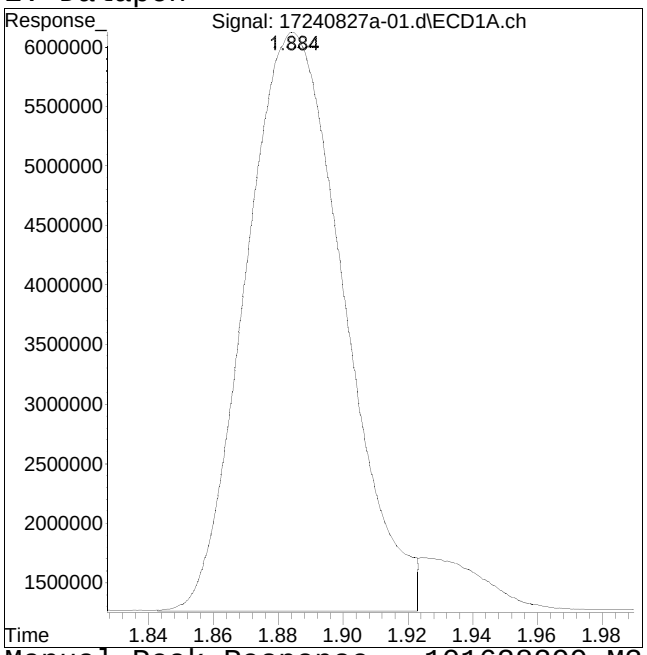
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #2: Dalapon



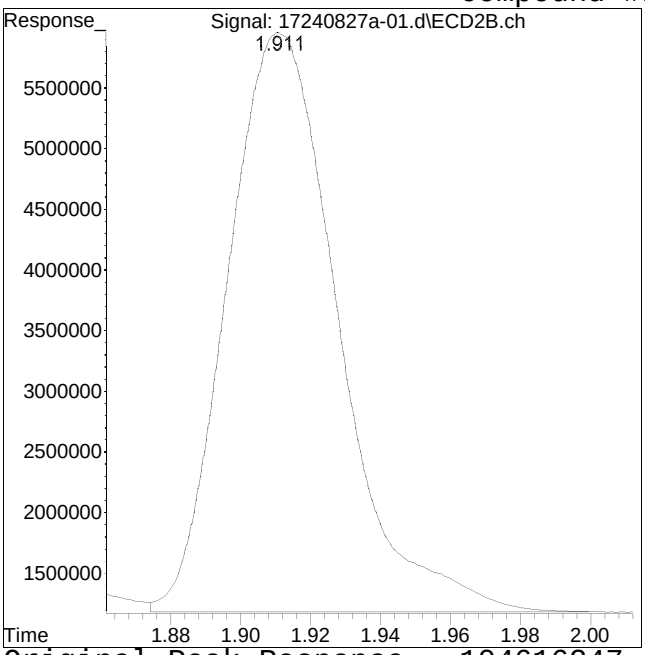


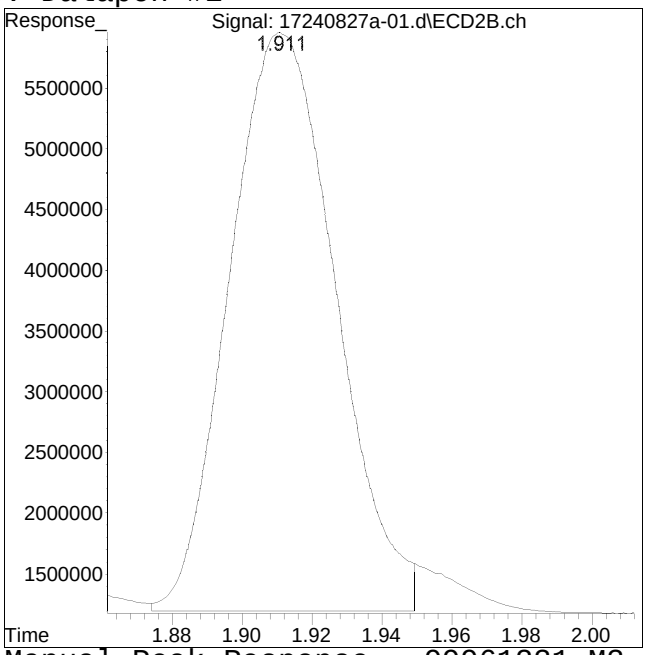
Original Peak Response = 108757241 Manual Peak Response = 101628299 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #15: Dalapon #2



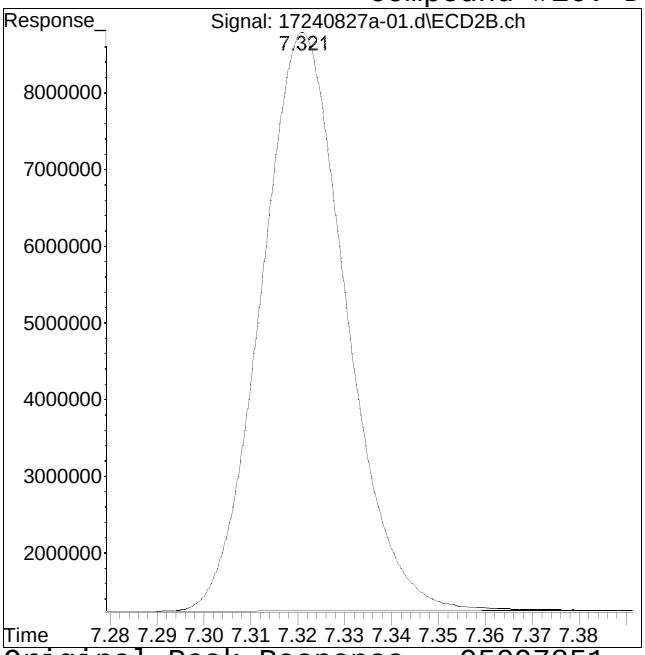


Original Peak Response = 104616247 Manual Peak Response = 99961231 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

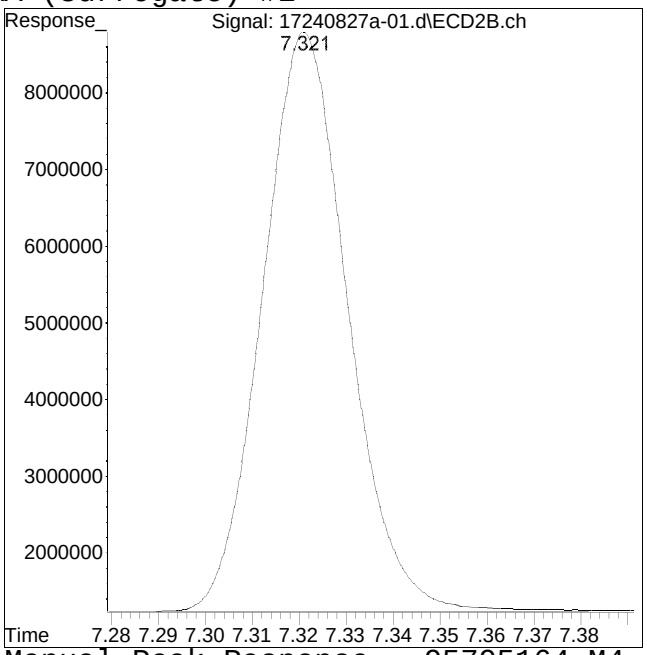
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #16: DCAA (surrogate) #2



Original Peak Response = 95097851



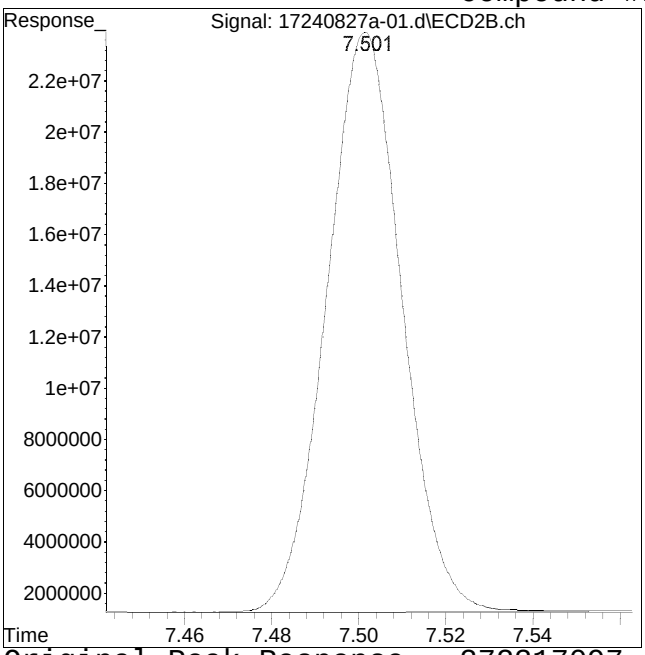
Manual Peak Response = 95795164 M4

M4 = Poor automated baseline construction.

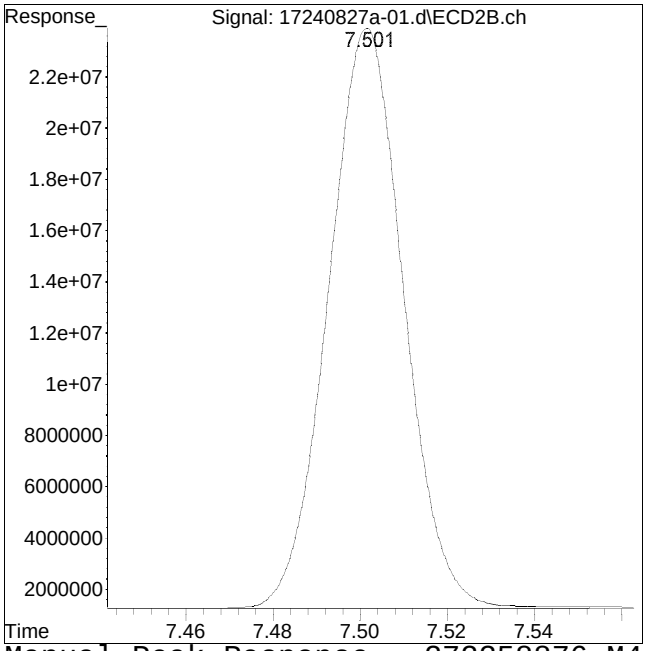
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #17: Dicamba #2



Original Peak Response = 272317097



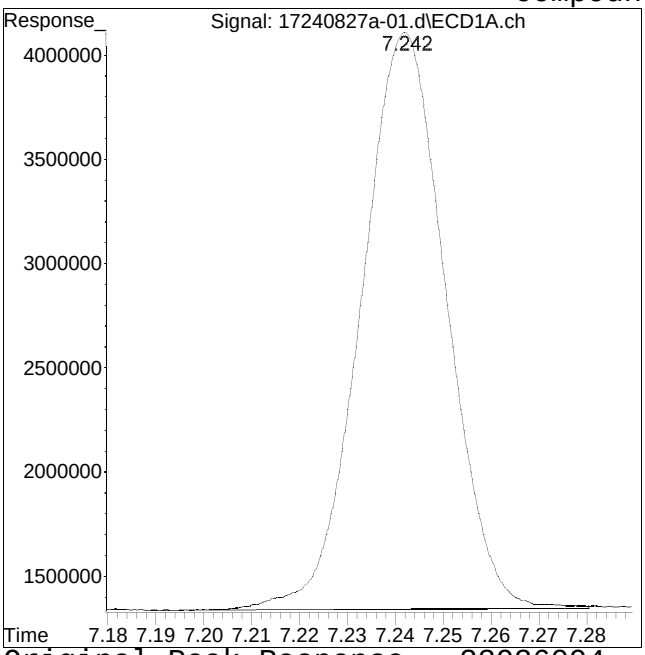
Manual Peak Response = 272358876 M4

M4 = Poor automated baseline construction.

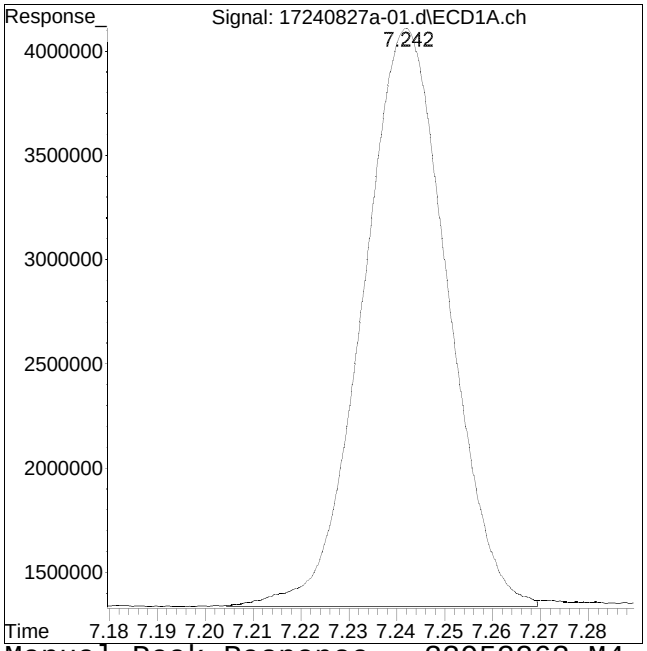
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #5: MCPP



Original Peak Response = 33936094



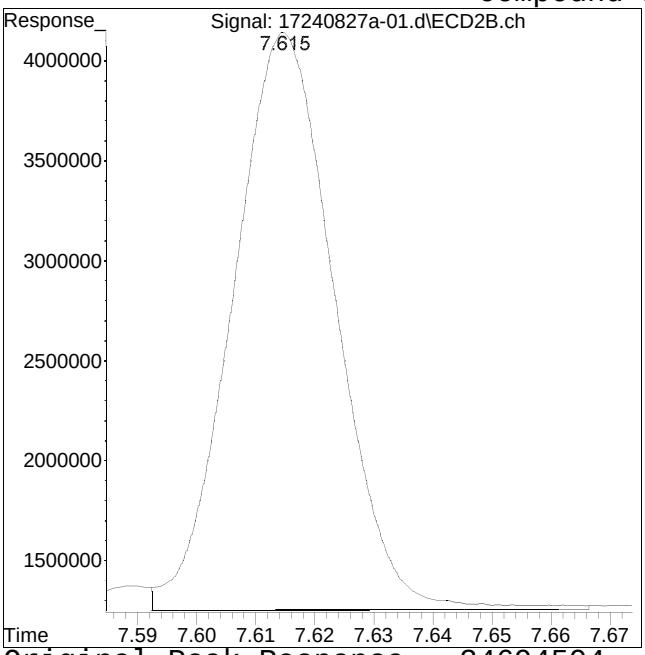
Manual Peak Response = 33953263 M4

M4 = Poor automated baseline construction.

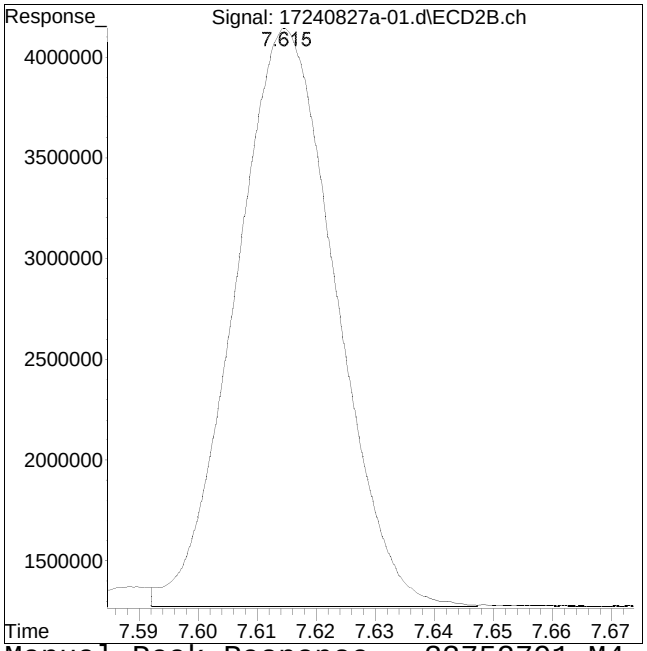
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #18: MCPP #2



Original Peak Response = 34694594



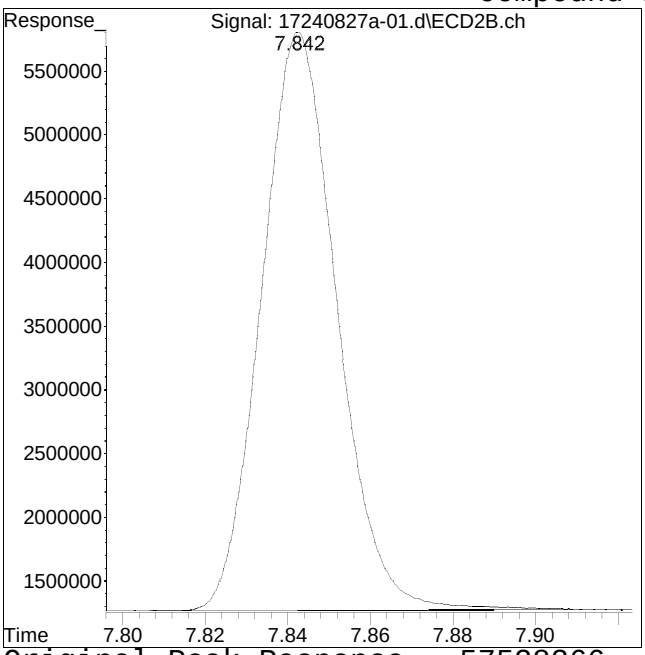
Manual Peak Response = 33752791 M4

M4 = Poor automated baseline construction.

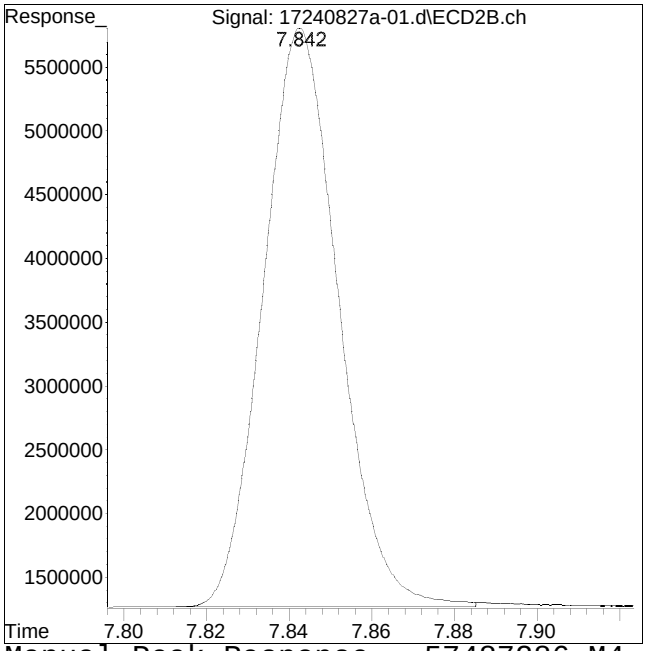
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #19: MCPA #2



Original Peak Response = 57528266



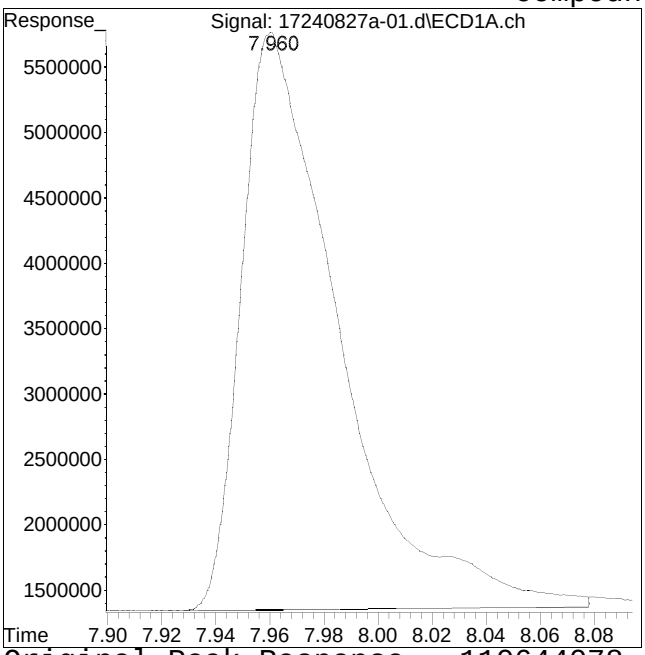
Manual Peak Response = 57487286 M4

M4 = Poor automated baseline construction.

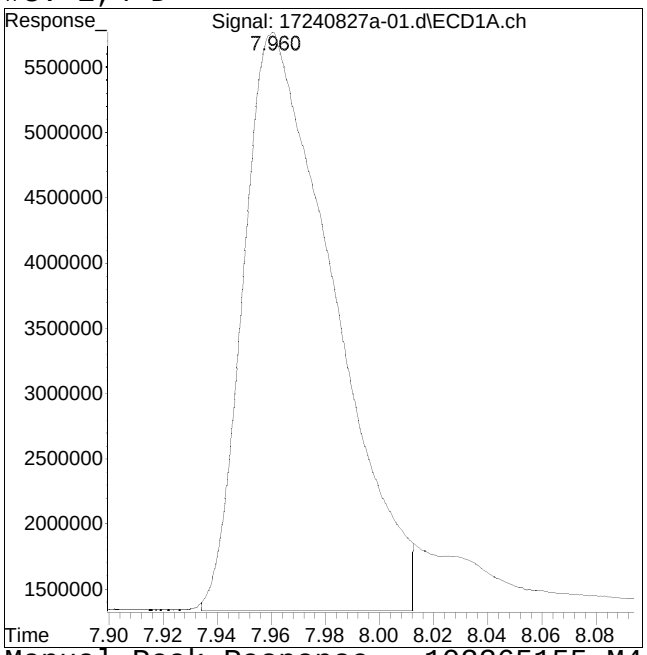
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #8: 2,4-D



Original Peak Response = 110644078



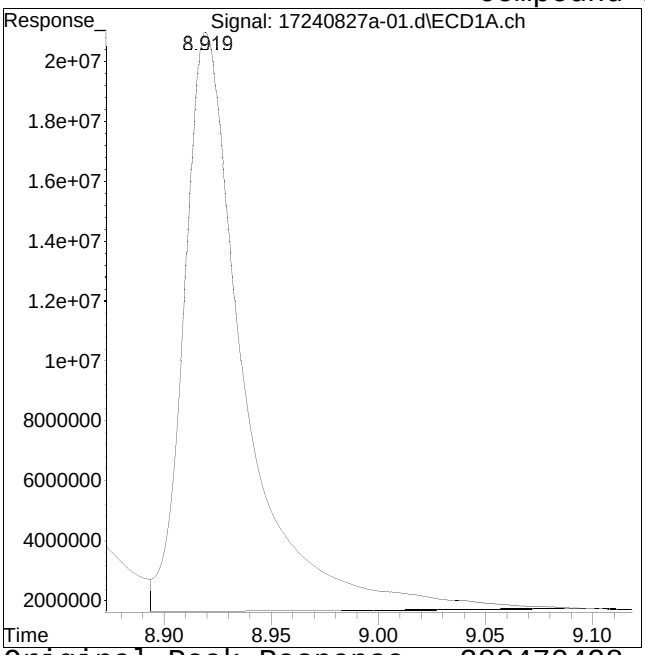
Manual Peak Response = 102365155 M4

M4 = Poor automated baseline construction.

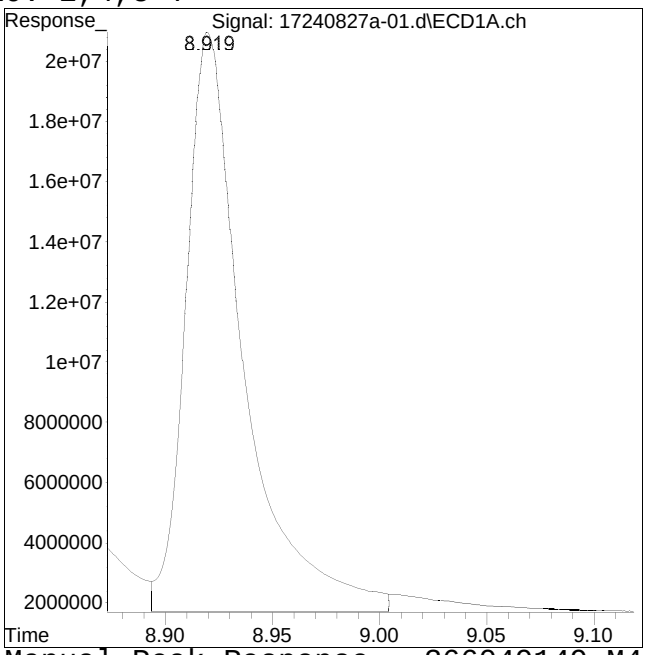
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #10: 2,4,5-T



Original Peak Response = 382470428



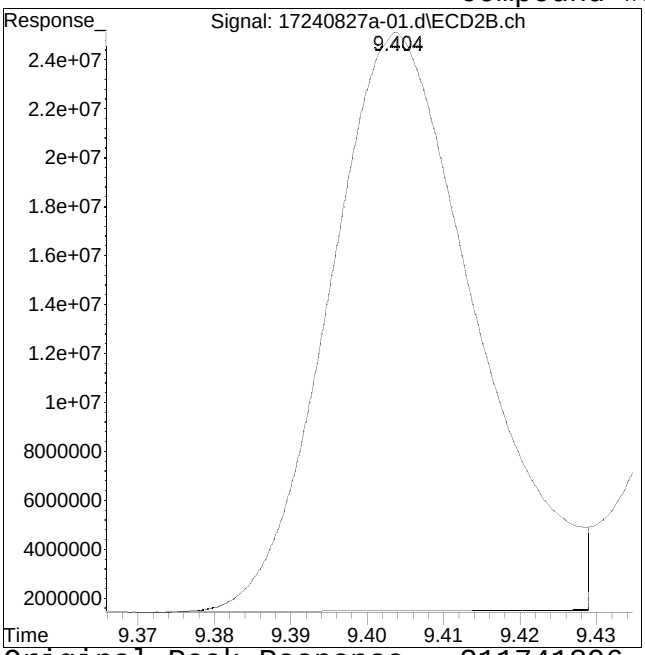
Manual Peak Response = 366049149 M4

M4 = Poor automated baseline construction.

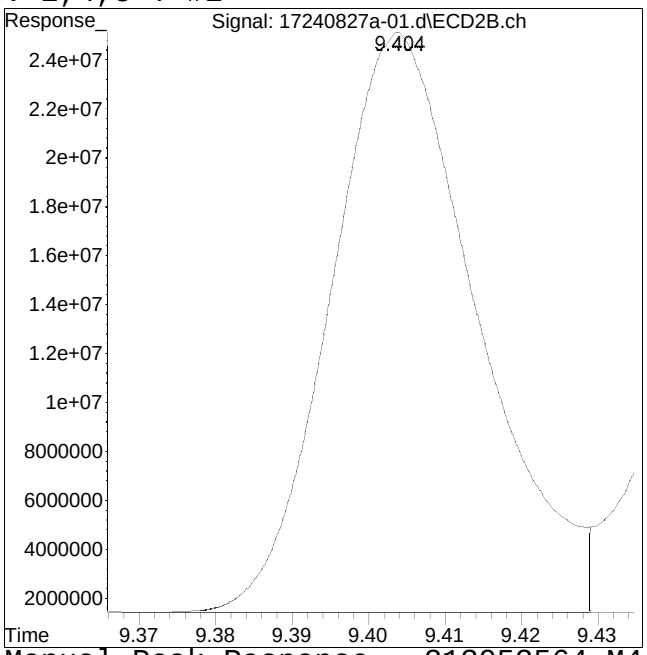
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #23: 2,4,5-T #2



Original Peak Response = 311741396



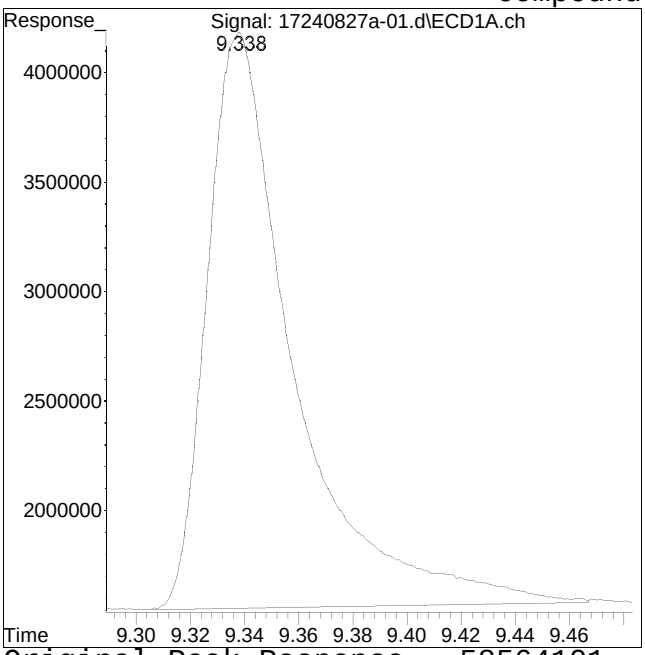
Manual Peak Response = 313953564 M4

M4 = Poor automated baseline construction.

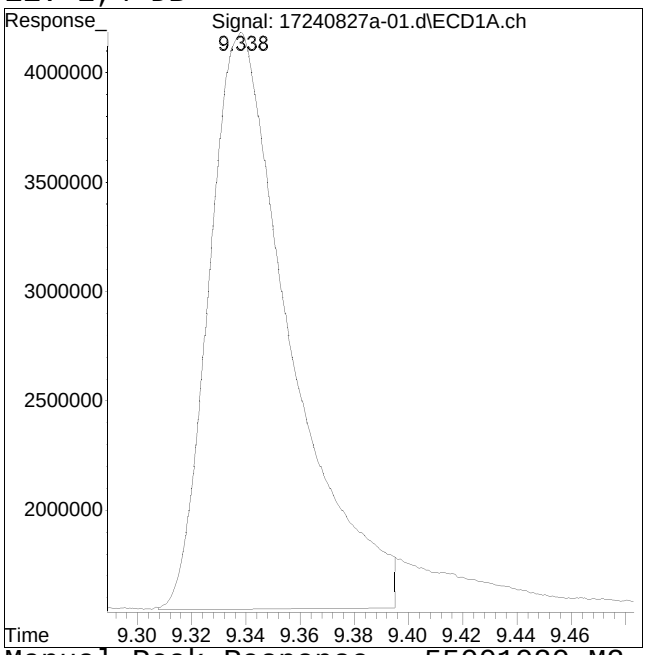
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #11: 2,4-DB



Original Peak Response = 58564101



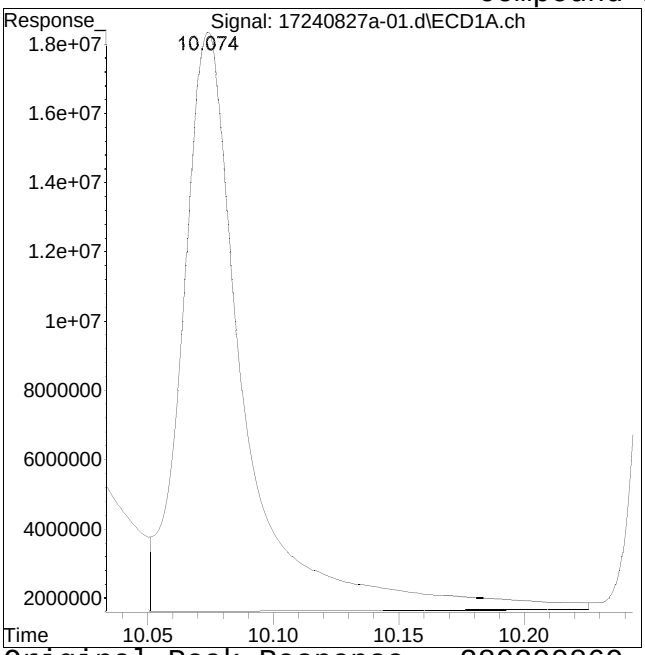
Manual Peak Response = 55001020 M2

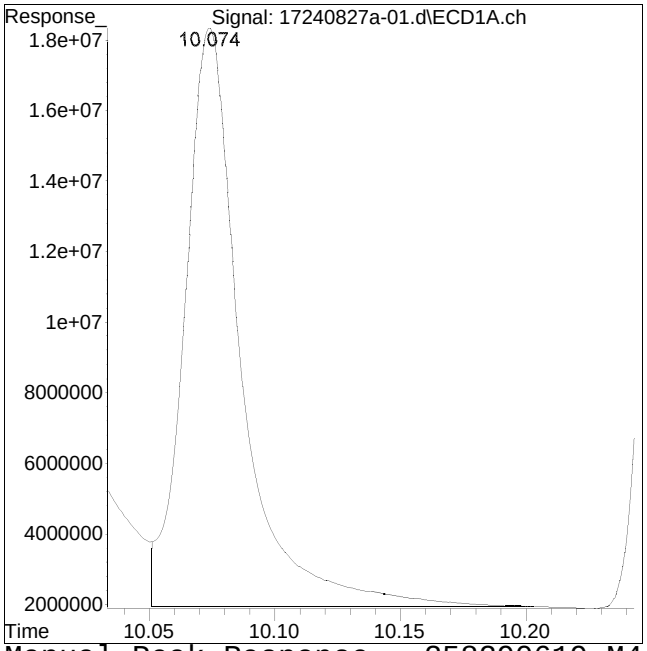
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #12: Dinoseb



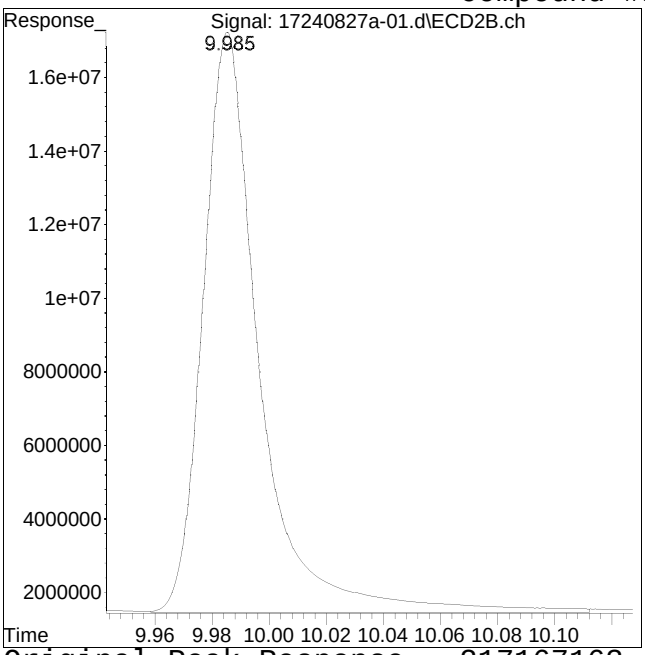


Original Peak Response = 289290869 Manual Peak Response = 258290619 M4
M4 = Poor automated baseline construction.

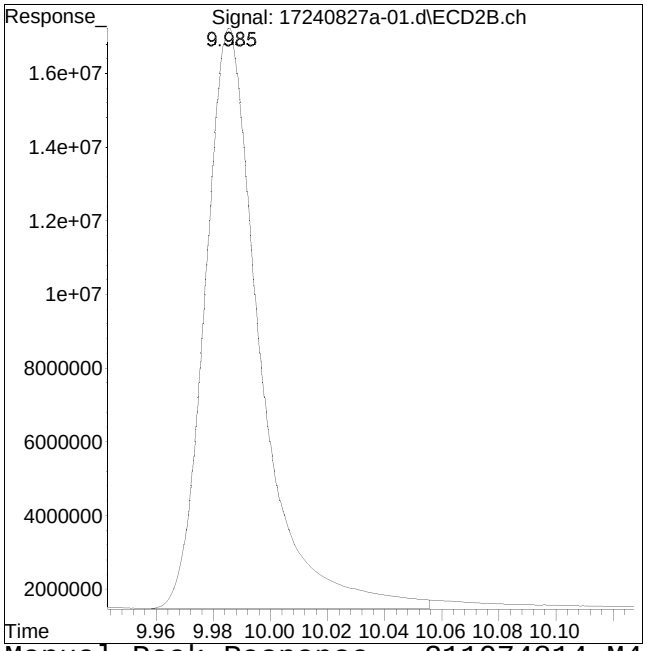
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-01.d Operator : PEST17:peg
Date Inj'd : 8/27/2024 6:09 Instrument : Pest 17
Sample : wg1964271-1,42,,herb11705 Quant Date : 8/27/2024 7:03 am

Compound #25: Dinoseb #2



Original Peak Response = 217167163



Manual Peak Response = 211074814 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
Pesticides

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**

No Detections Found

Herbicides Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:13
Operator : PEST17:jag
Sample : WG1963640-1,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:03 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.427f	8.401	519.4E6	498.2E6	0.250M4	0.250M3
Standard Area 1 : #1 = 668945640				Recovery =	77.64%	
Standard Area 1 : #2 = 630488988				Recovery =	79.02%	
System Monitoring Compounds						
3) s DCAA (surrog	6.870f	7.322	193.3E6	198.1E6	0.567M4	0.487M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	113.40%	97.40%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

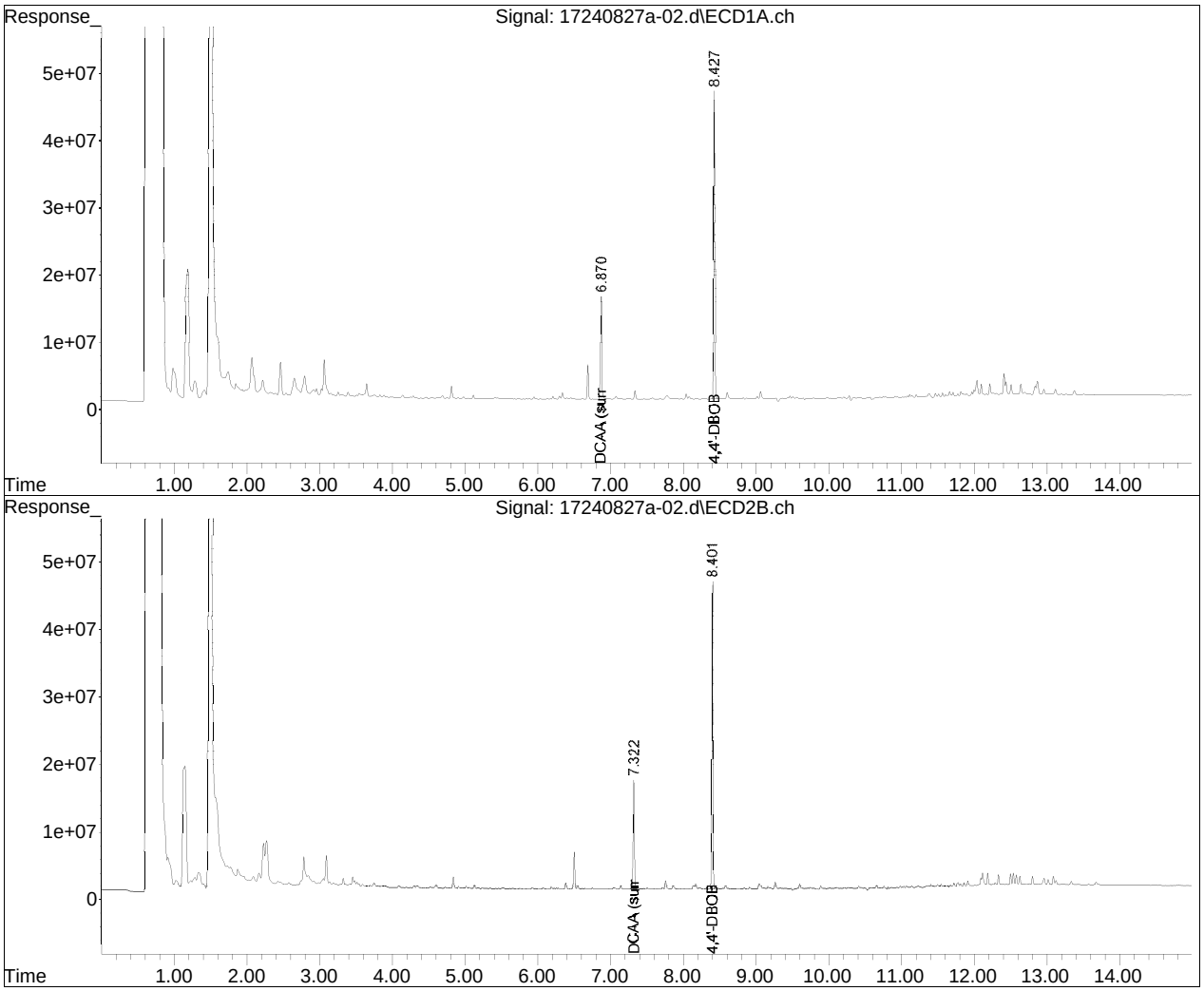
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-02.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:13
Operator : PEST17:jag
Sample : WG1963640-1,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:03 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

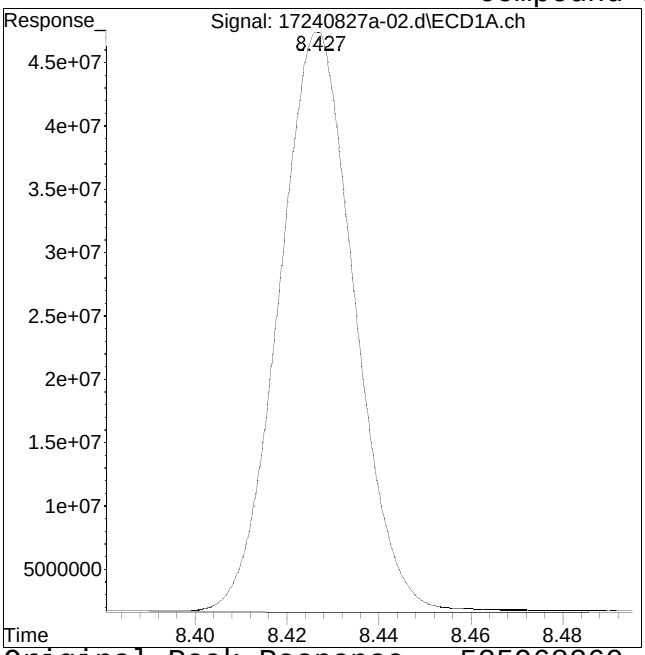
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

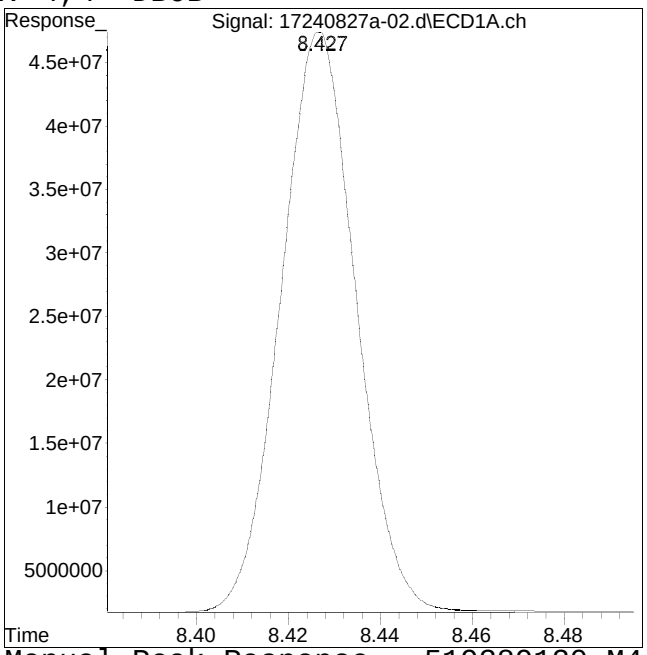


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



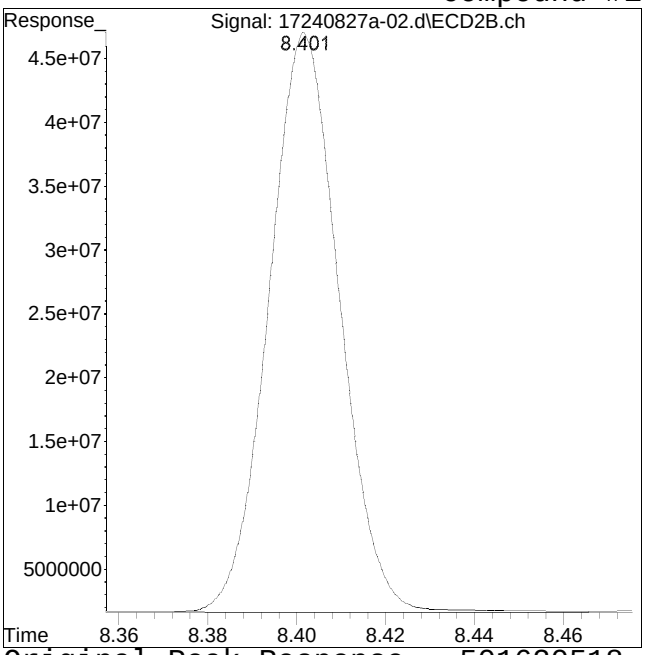


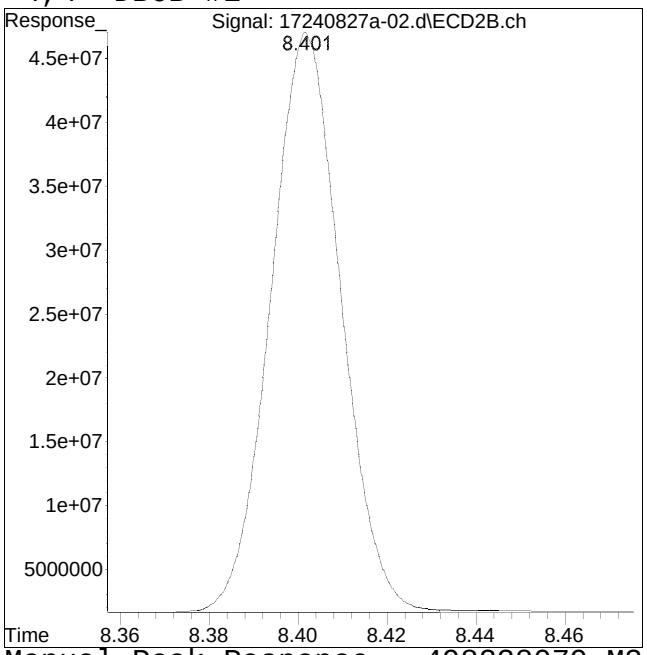
Original Peak Response = 525968260 Manual Peak Response = 519389120 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



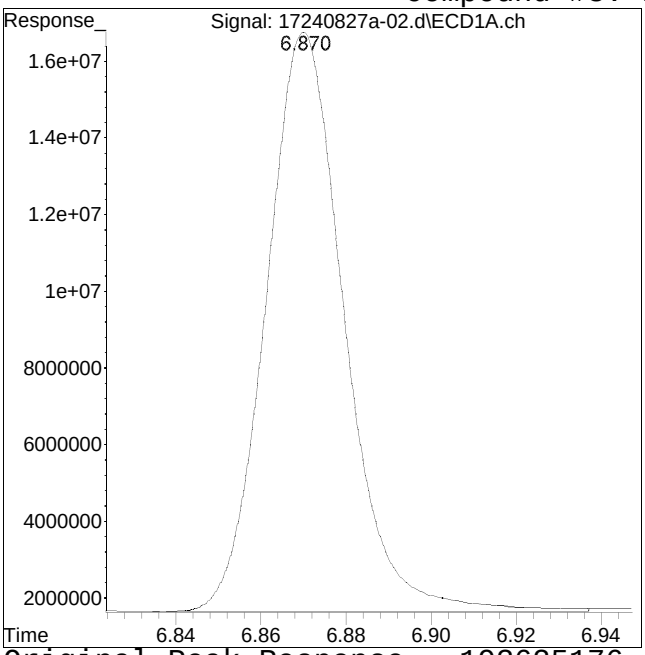


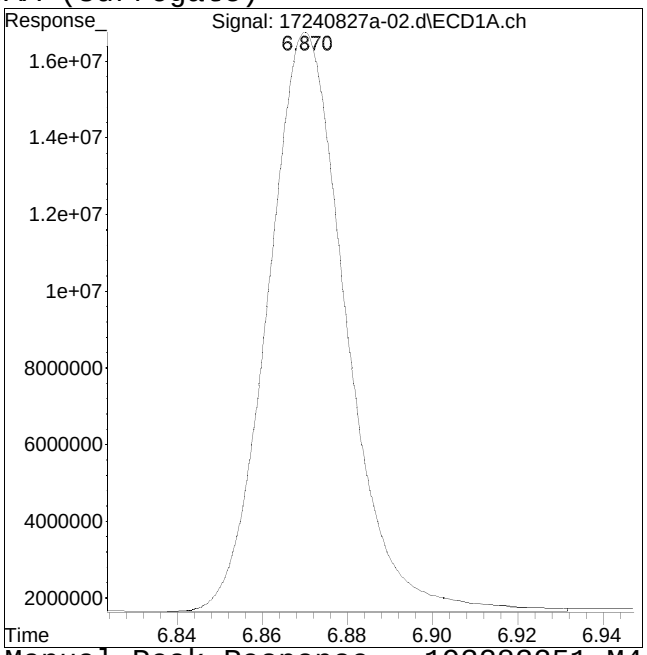
Original Peak Response = 501620518 Manual Peak Response = 498238079 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



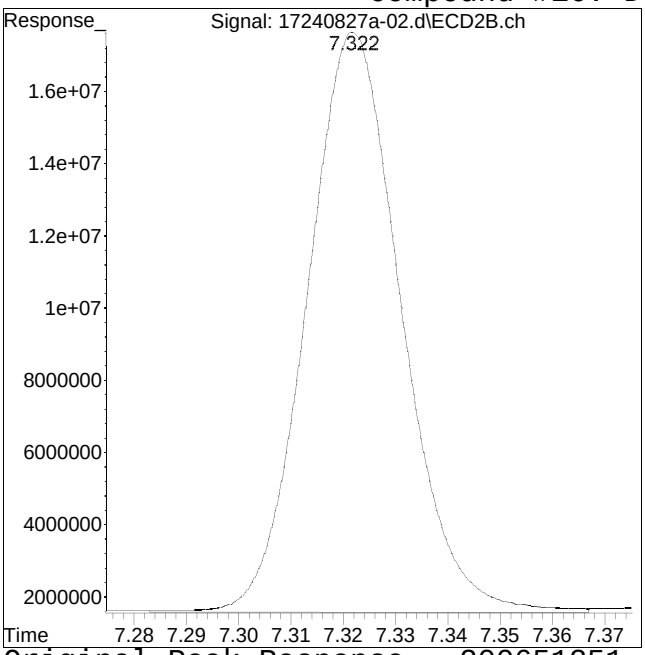


Original Peak Response = 193625176 Manual Peak Response = 193283251 M4
M4 = Poor automated baseline construction.

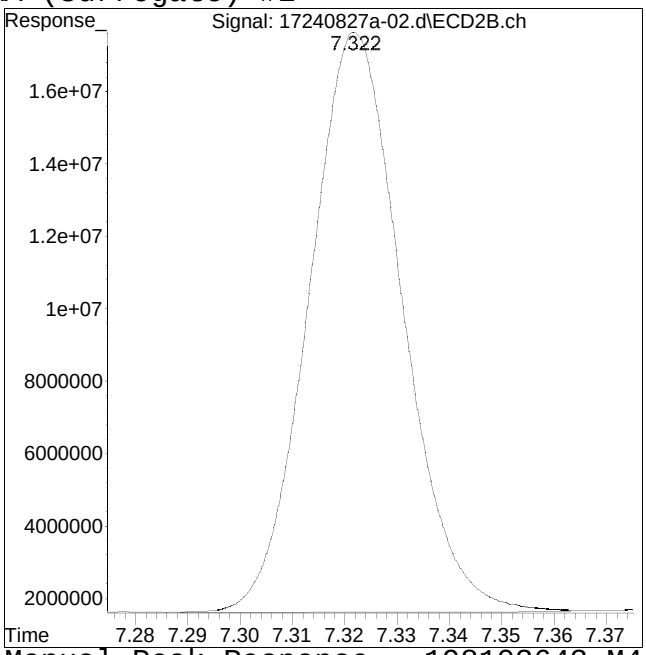
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-02.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:13 Instrument : Pest 17
Sample : WG1963640-1,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 200651251



Manual Peak Response = 198103643 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-72.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:40
Operator : pest22:mmg
Sample : WG1964244-1,42,, 4244 (Sig #1); WG1964243-1,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21298 (Sig #2)
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:28 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	866.7E6	1021.0E6	0.250M4	0.250M3
Standard Area 1 : #1 = 1243823131				Recovery =	69.68%	
Standard Area 1 : #2 = 1444515032				Recovery =	70.68%	
System Monitoring Compounds						
3) s DCAA (surrog	6.952	7.410	352.3E6	384.4E6	0.523M3	0.484M4
Spiked Amount	0.500	Range 30 - 150		Recovery =	104.60%	96.80%
Target Compounds						
8) t 2,4-D	0.000	0.000	0	0	N.D. d	N.D. d
9) t 2,4,5-TP (Si	0.000	0.000	0	0	N.D. d	N.D. d
10) t 2,4,5-T	0.000	0.000	0	0	N.D. d	N.D. d
SemiQuant Compounds - Not Calibrated on this Instrument						

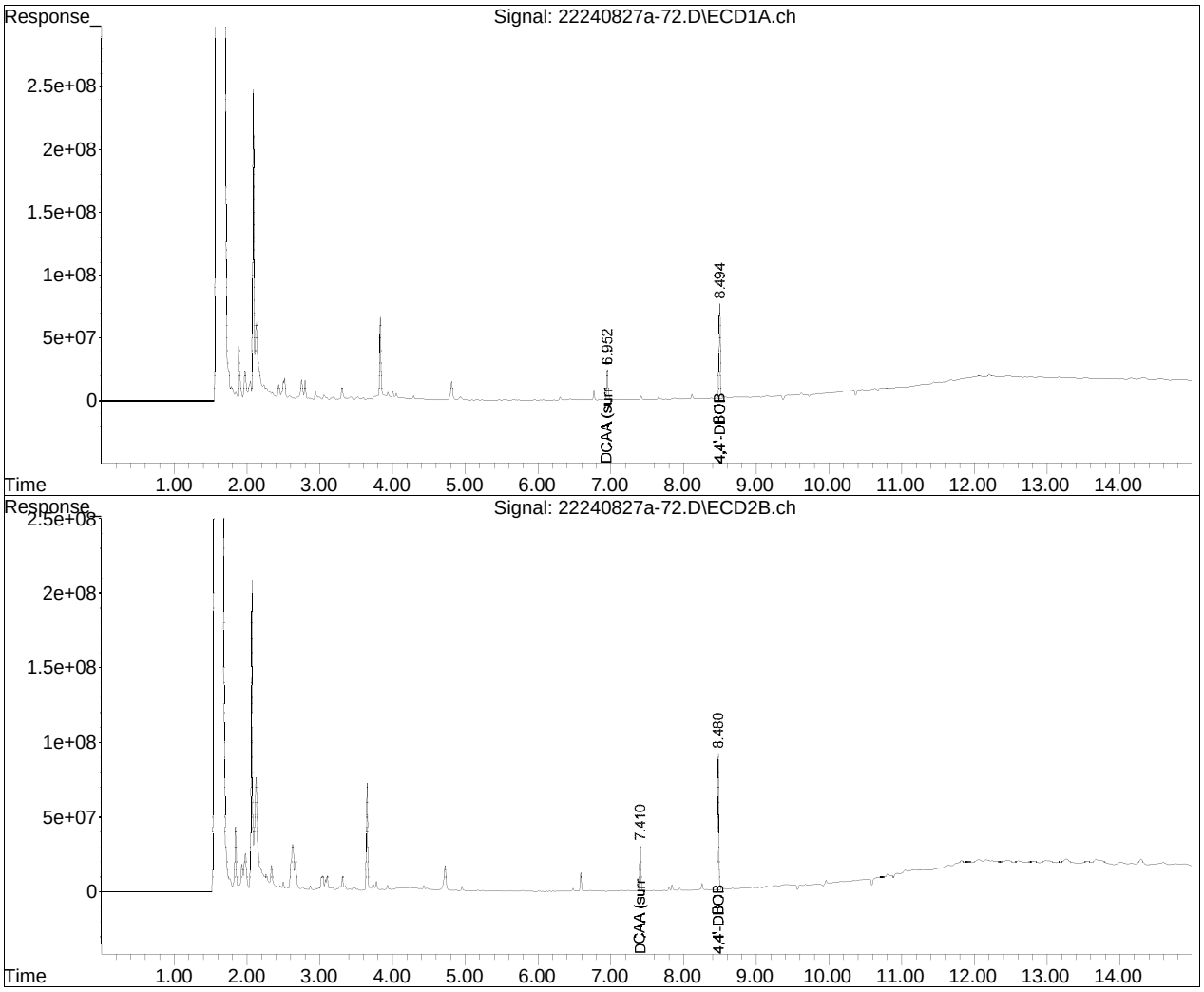
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-72.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:40
Operator : pest22:mmg
Sample : WG1964244-1,42,, 4244 (Sig #1); WG1964243-1,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:28 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

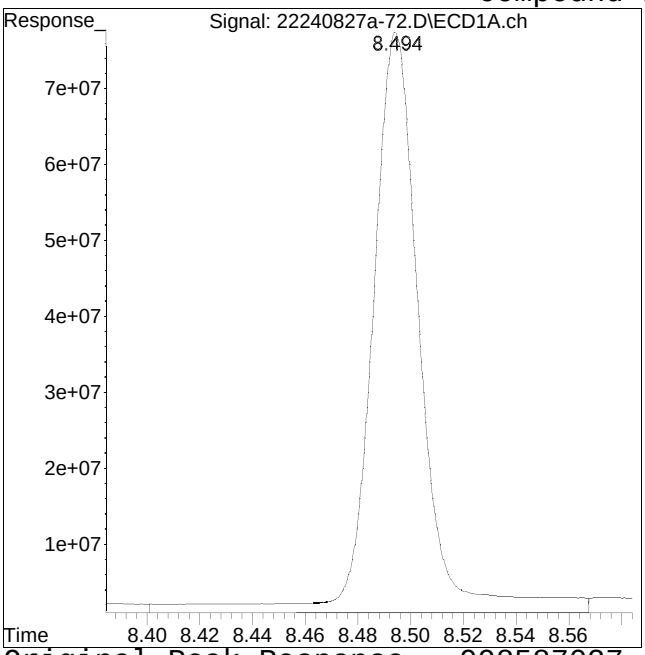
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



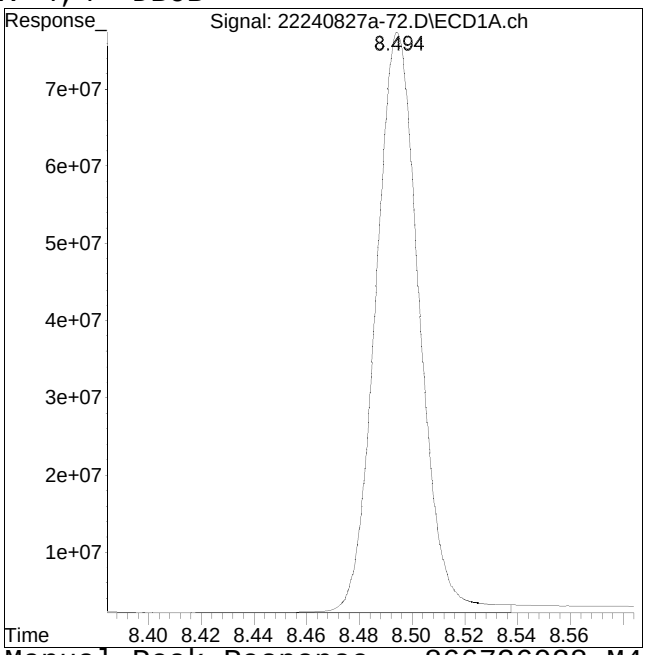
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 998587027



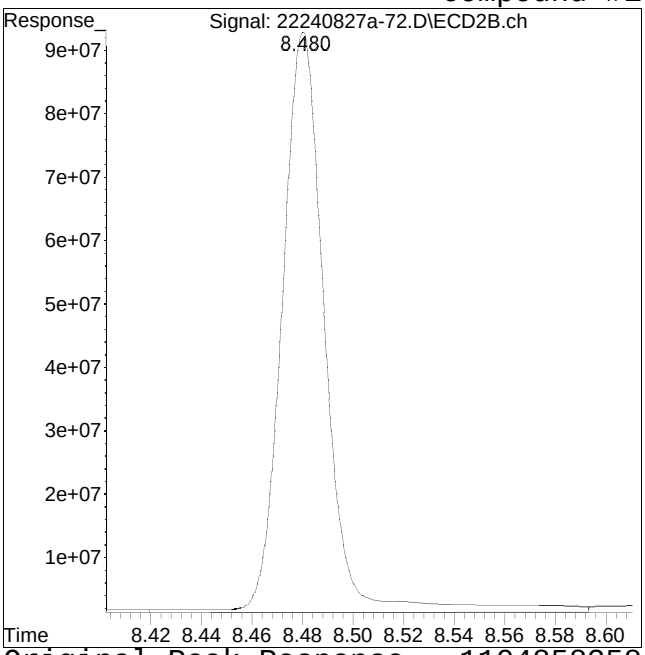
Manual Peak Response = 866736028 M4

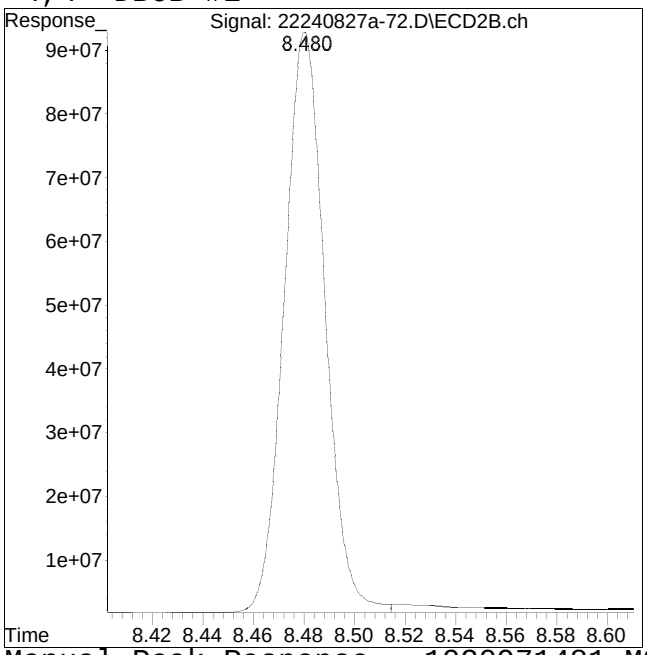
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



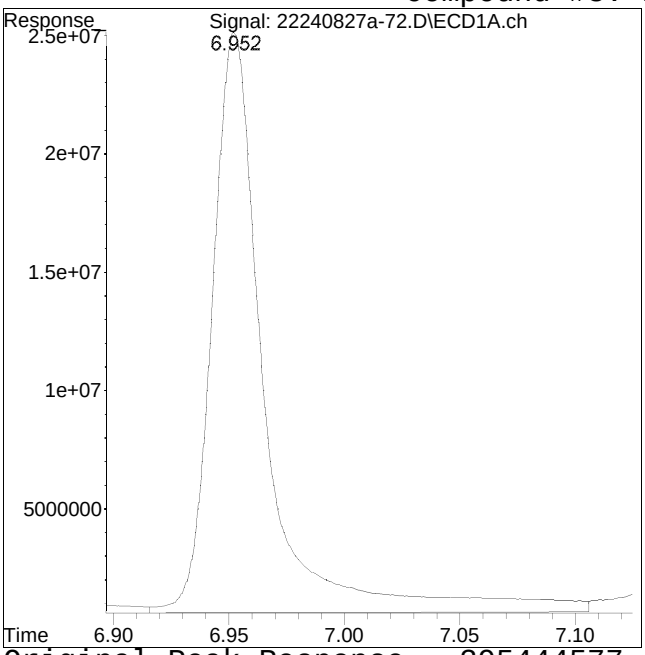


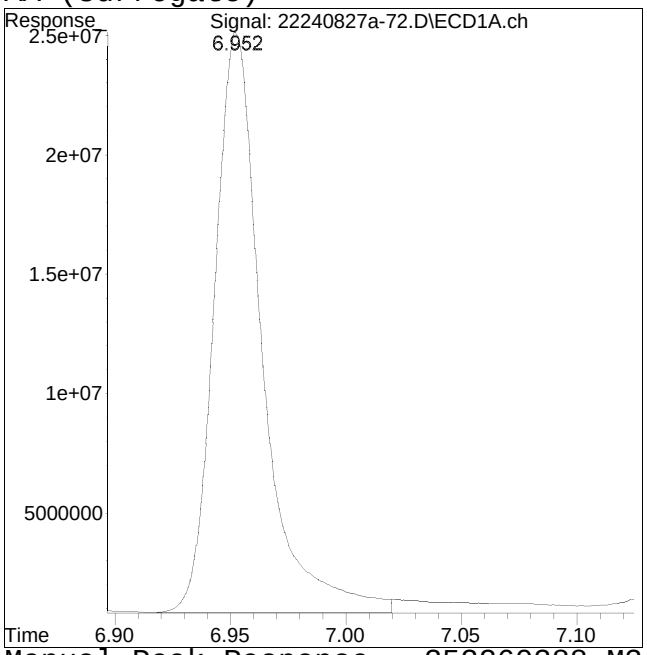
Original Peak Response = 1104858358 Manual Peak Response = 1020971481 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



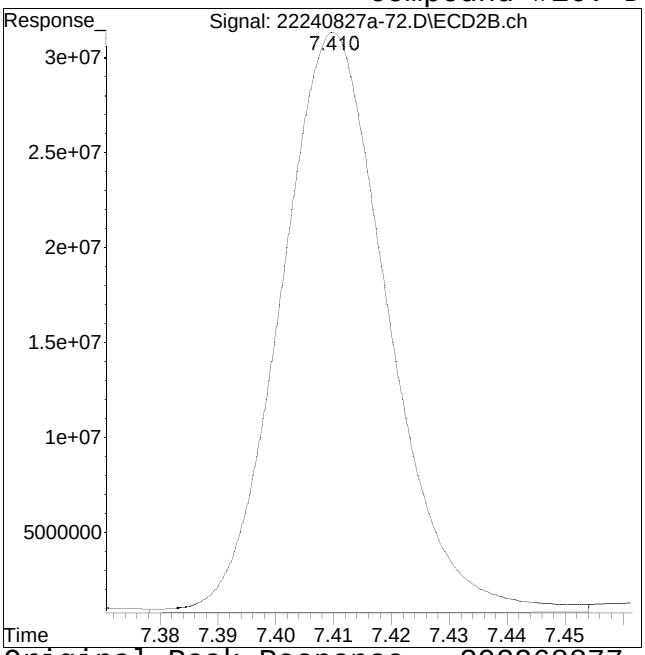


Original Peak Response = 395444577 Manual Peak Response = 352260388 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

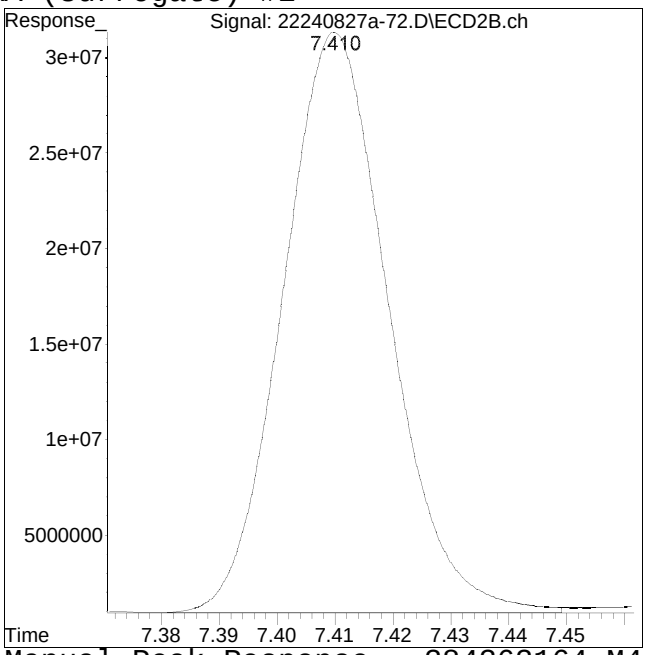
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-72.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:40 Instrument : Pest22
Sample : WG1964244-1,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 392268877



Manual Peak Response = 384363164 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:31
Operator : PEST17:jag
Sample : WG1963640-2,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:05 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.416	8.399	546.7E6	515.0E6	0.250M3	0.250M4
	Standard Area 1 : #1 = 668945640				Recovery =	81.73%	
	Standard Area 1 : #2 = 630488988				Recovery =	81.68%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.860	7.320	198.1E6	233.3E6	0.552M4	0.555M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	110.40%	111.00%
	Target Compounds						
8) t	2,4-D	7.961	8.439	250.3E6	276.3E6	0.652M4	0.583
9) t	2,4,5-TP (Si	8.688	9.102	937.4E6	887.6E6	0.649M3	0.522M4
10) t	2,4,5-T	8.908	9.394	929.6E6	889.2E6	0.700M4	0.546M4
SemiQuant Compounds - Not Calibrated on this Instrument							

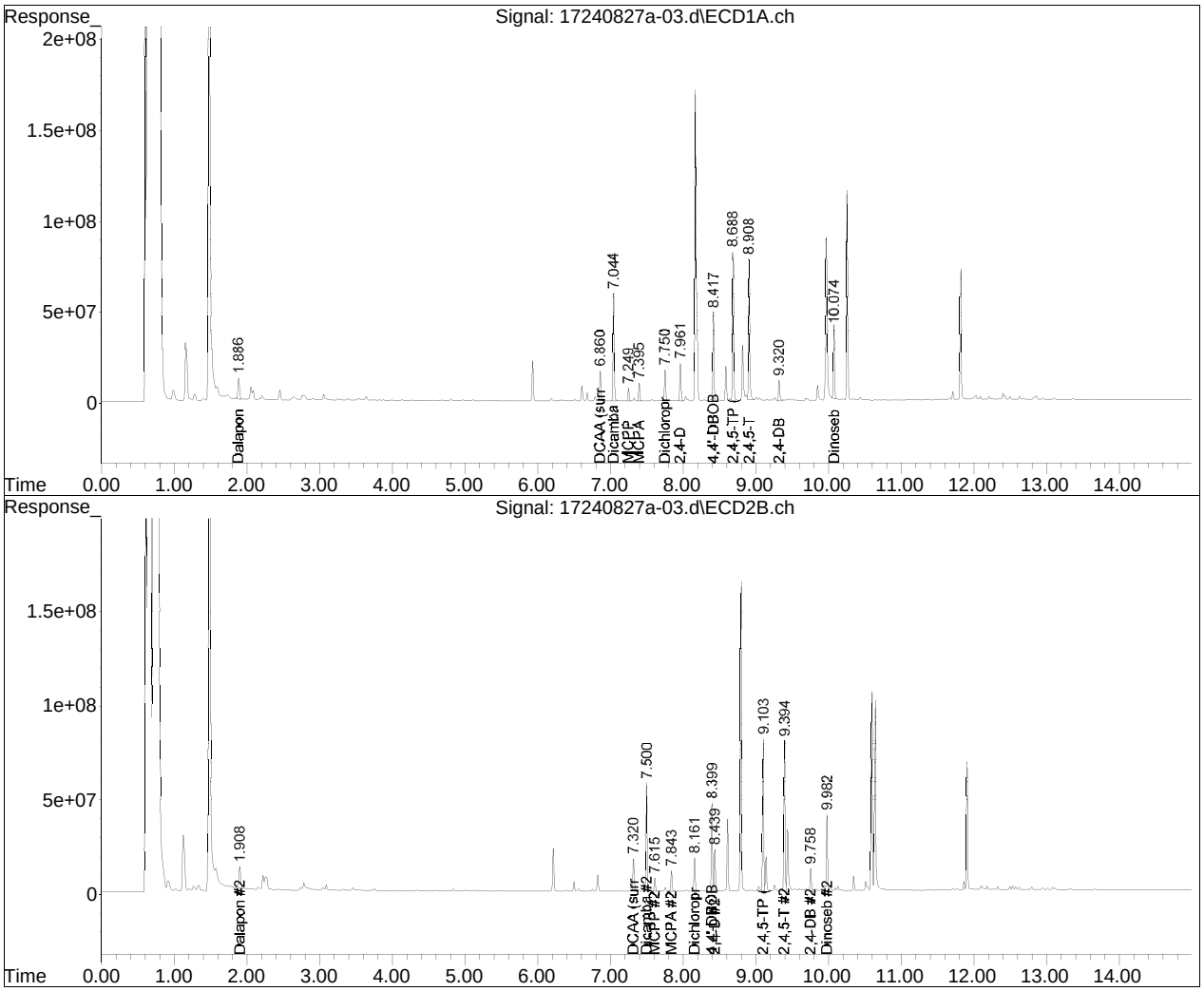
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-03.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:31
Operator : PEST17:jag
Sample : WG1963640-2,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:05 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

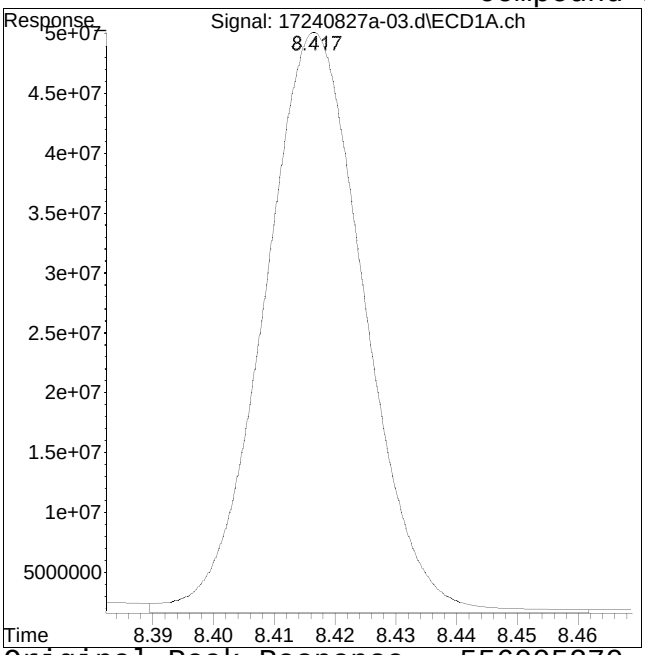
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

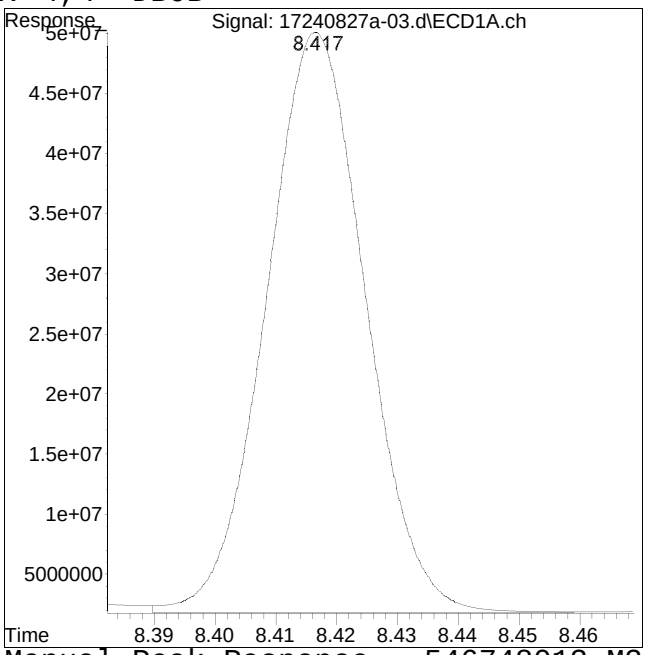


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



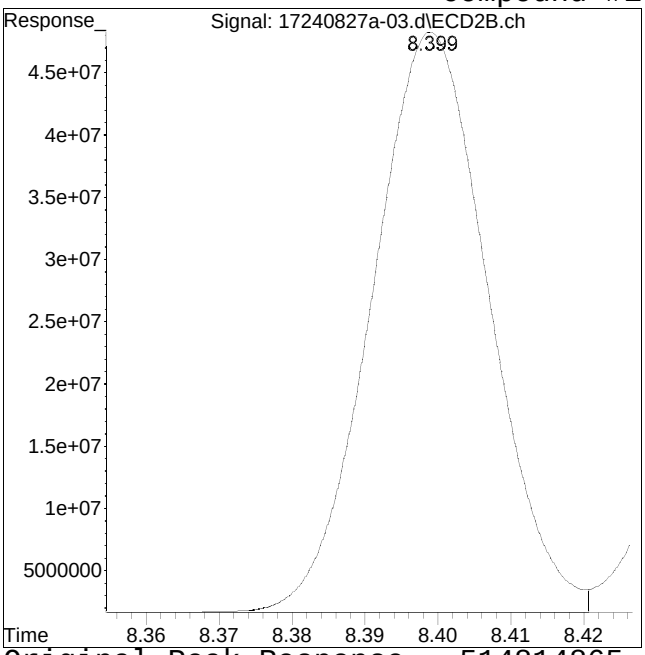


Original Peak Response = 556005270 Manual Peak Response = 546748013 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

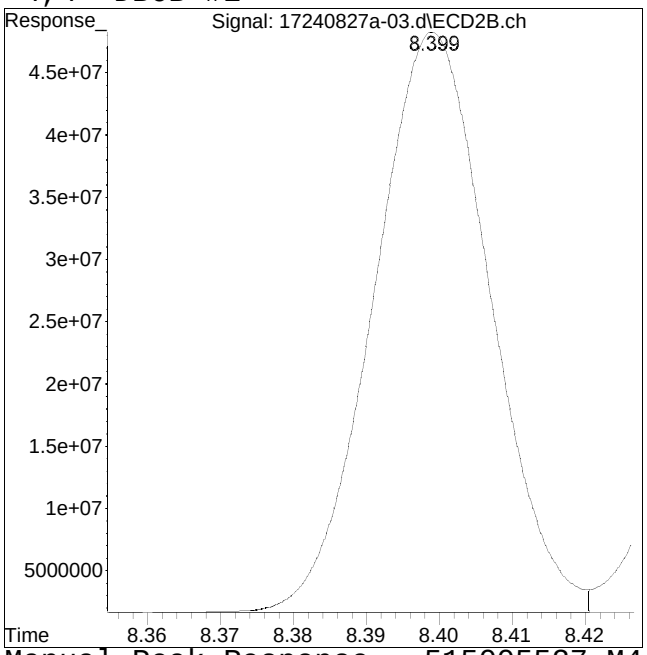
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



Original Peak Response = 514814865

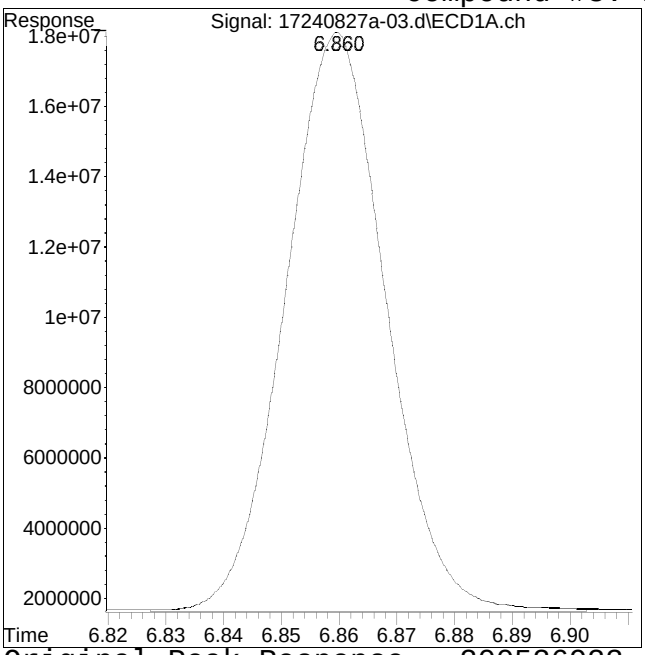


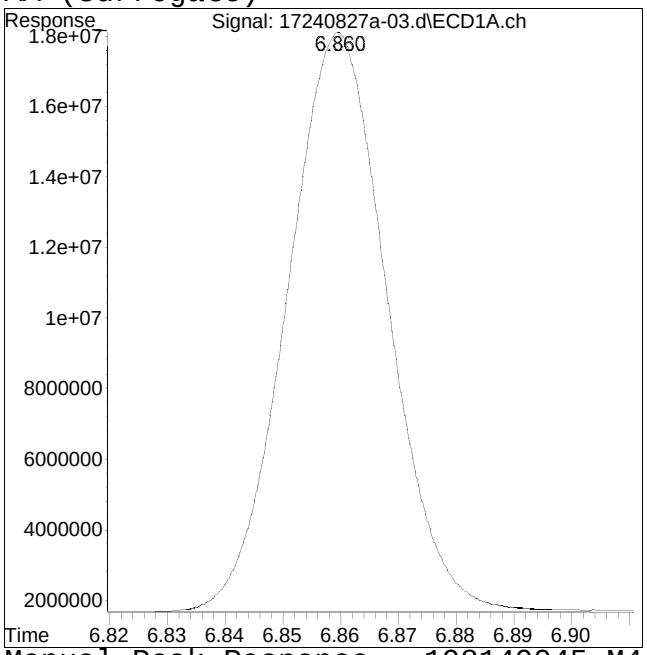
Manual Peak Response = 515005527 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



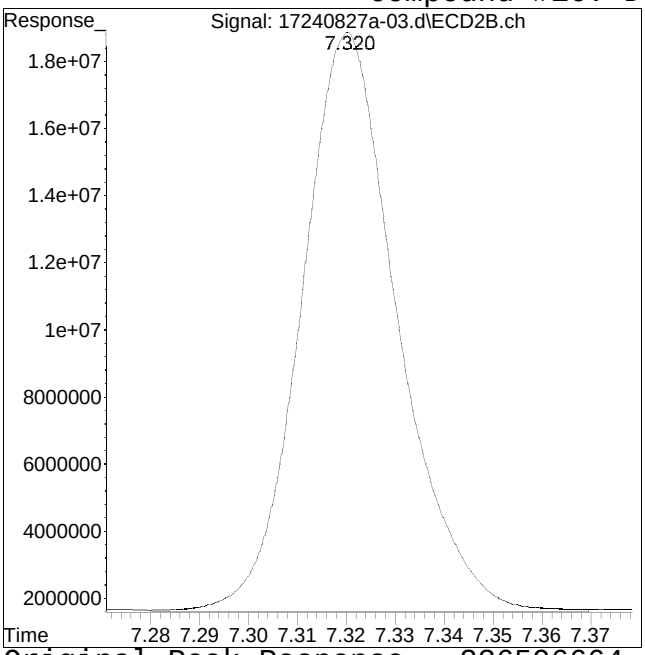


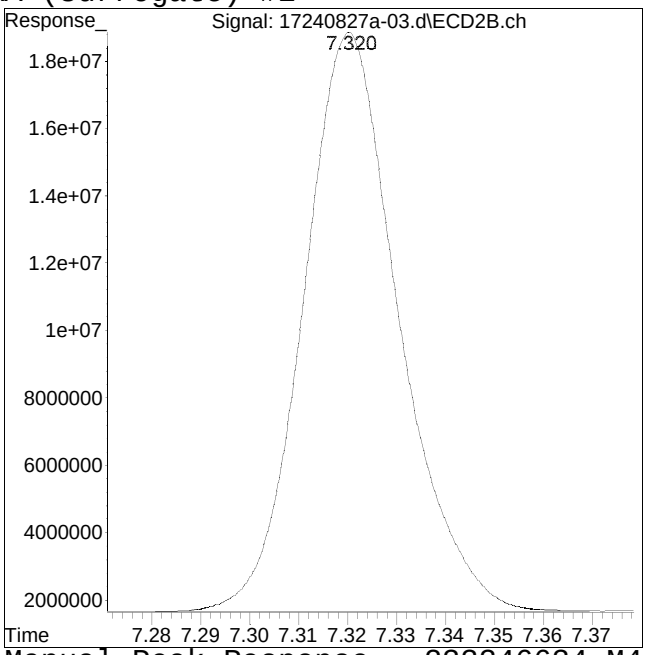
Original Peak Response = 200526923 Manual Peak Response = 198149045 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



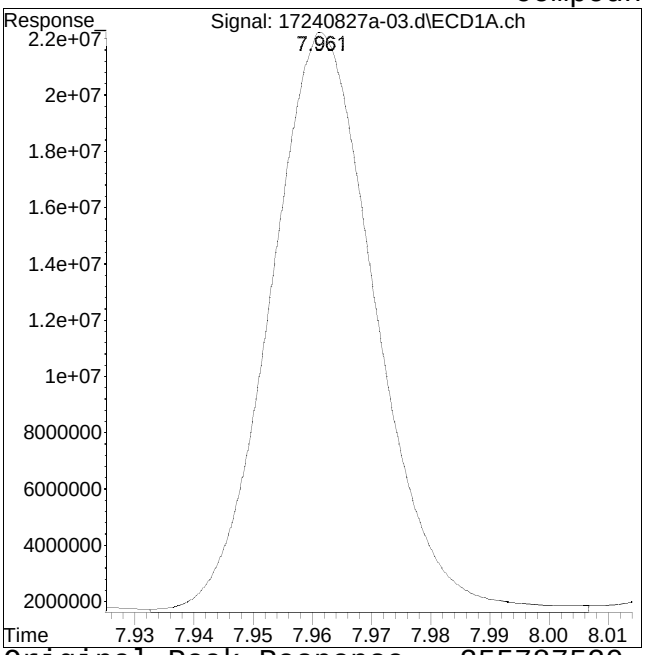


Original Peak Response = 236596664 Manual Peak Response = 233346634 M4
M4 = Poor automated baseline construction.

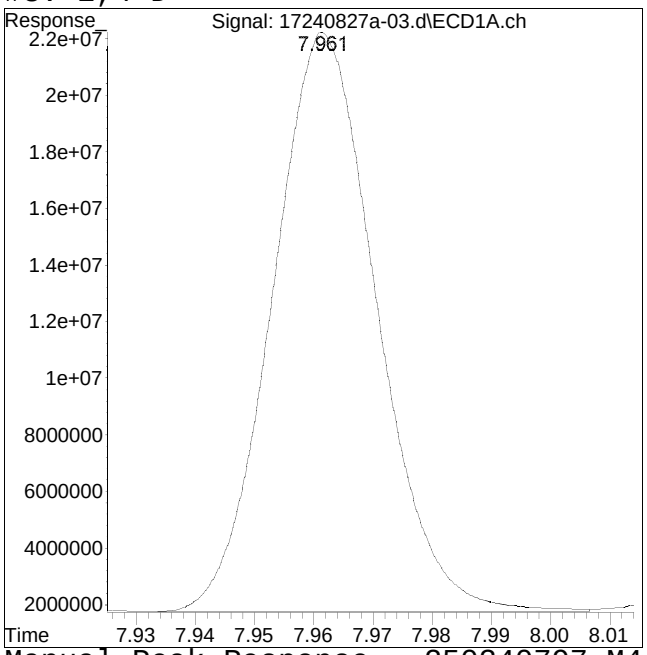
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #8: 2,4-D



Original Peak Response = 255787520



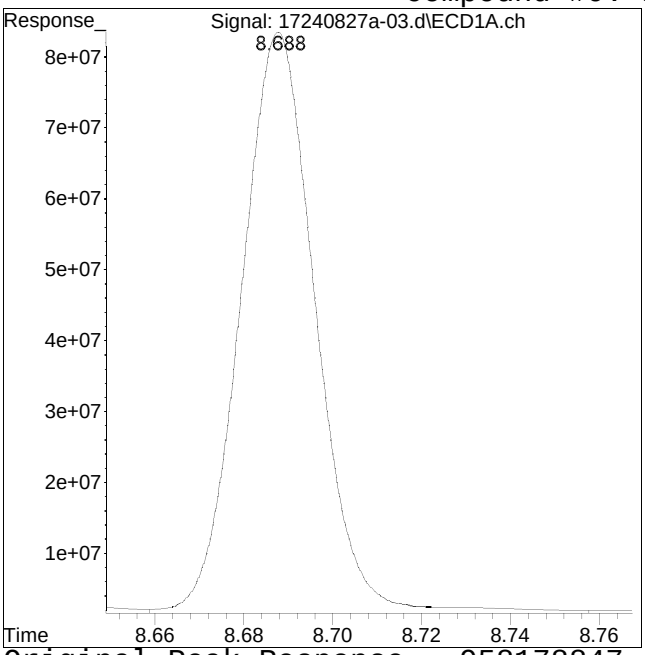
Manual Peak Response = 250340797 M4

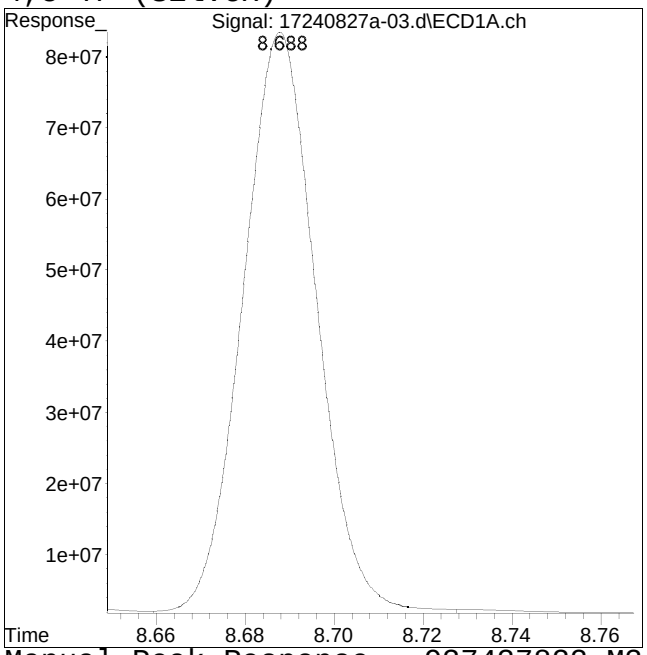
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



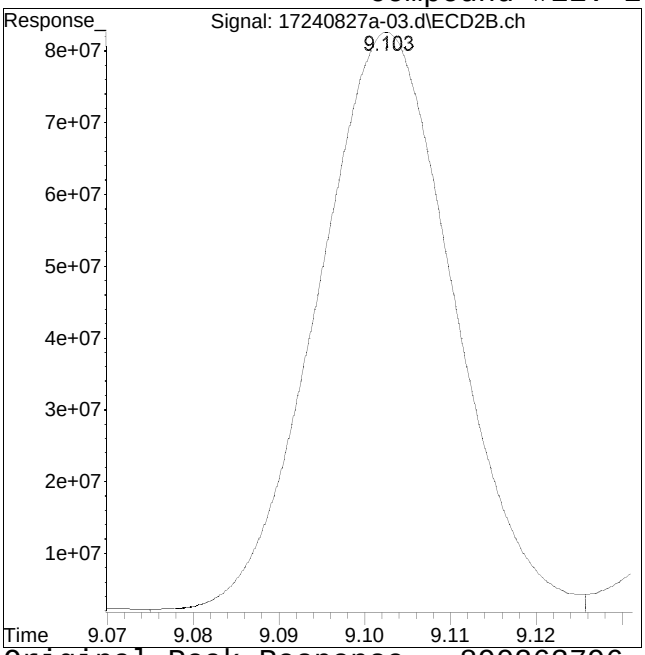


Original Peak Response = 958178847 Manual Peak Response = 937437822 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

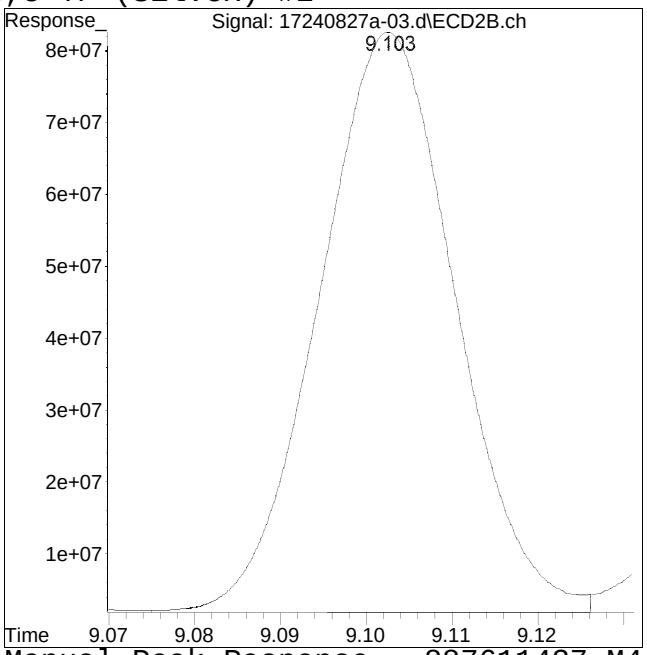
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



Original Peak Response = 890263796



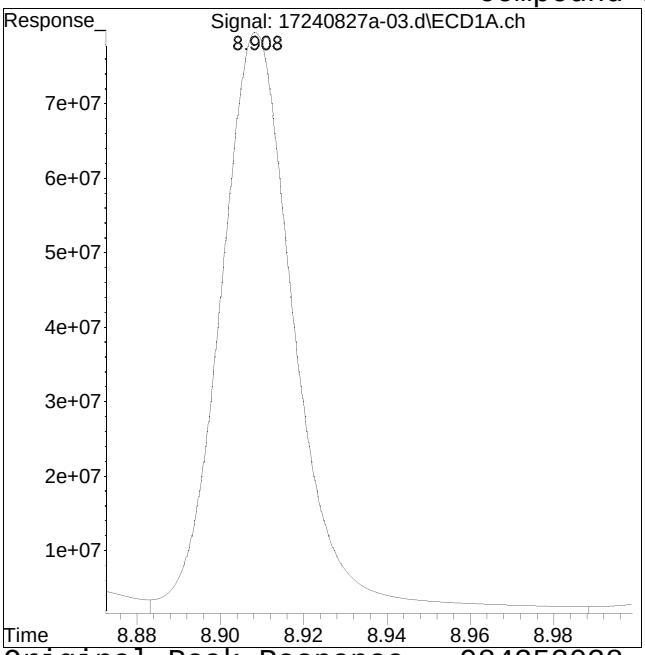
Manual Peak Response = 887611437 M4

M4 = Poor automated baseline construction.

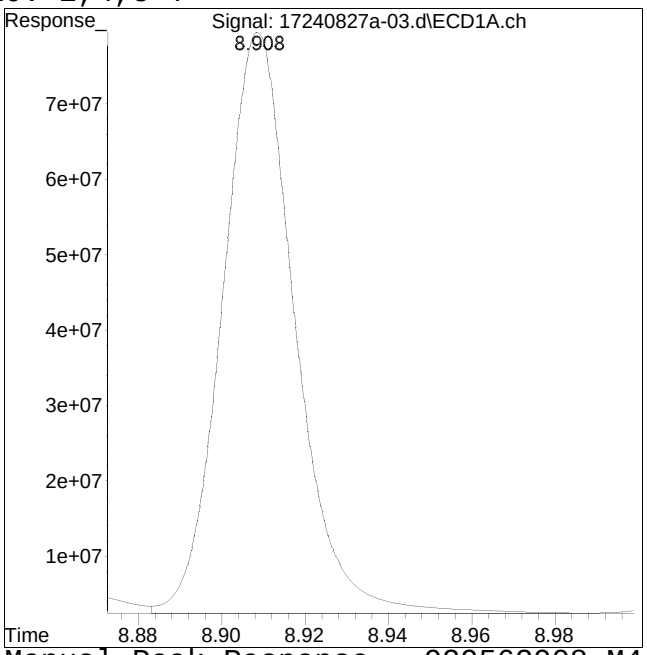
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



Original Peak Response = 984353038



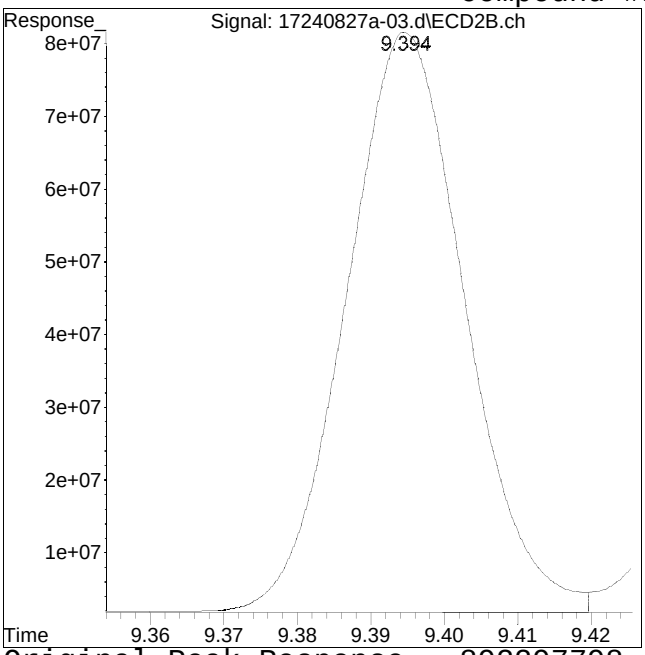
Manual Peak Response = 929562908 M4

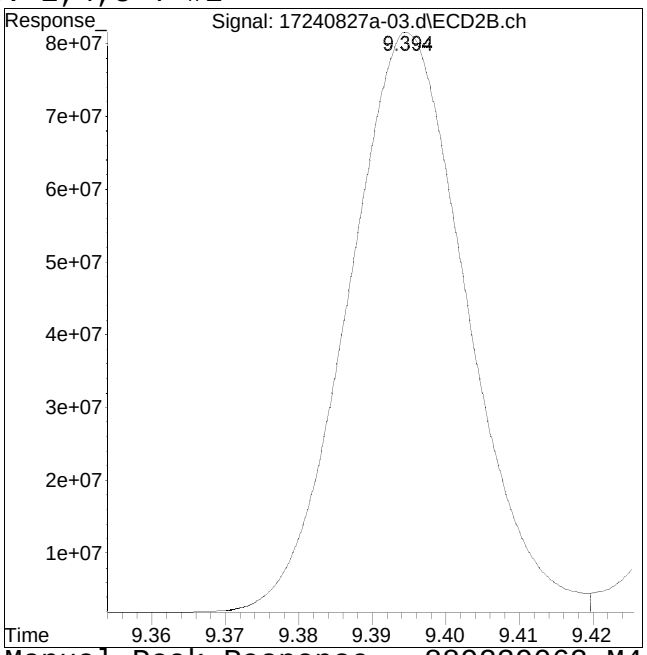
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-03.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:31 Instrument : Pest 17
Sample : WG1963640-2,42,, Quant Date : 8/27/2024 6:32 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 892297798 Manual Peak Response = 889239062 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-73.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:59
Operator : pest22:mmg
Sample : WG1964244-2,42,, 4244 (Sig #1); WG1964243-2,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21298 (Sig #2)
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:29 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	866.4E6	1007.5E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1243823131				Recovery =	69.66%	
Standard Area 1 : #2 = 1444515032				Recovery =	69.75%	
System Monitoring Compounds						
3) s DCAA (surrog	6.950	7.409	366.2E6	631.7E6	0.544M3	0.807M3
Spiked Amount	0.500	Range 30 - 150		Recovery =	108.80%	161.40%#
Target Compounds						
8) t 2,4-D	8.051f	8.522	452.7E6	579.1E6	0.603M2	0.693M4
9) t 2,4,5-TP (Si	8.766f	9.179	1595.4E6	1740.7E6	0.571M3	0.531M4
10) t 2,4,5-T	8.989f	9.469	1709.8E6	1828.9E6	0.608M2	0.586M4
SemiQuant Compounds - Not Calibrated on this Instrument						

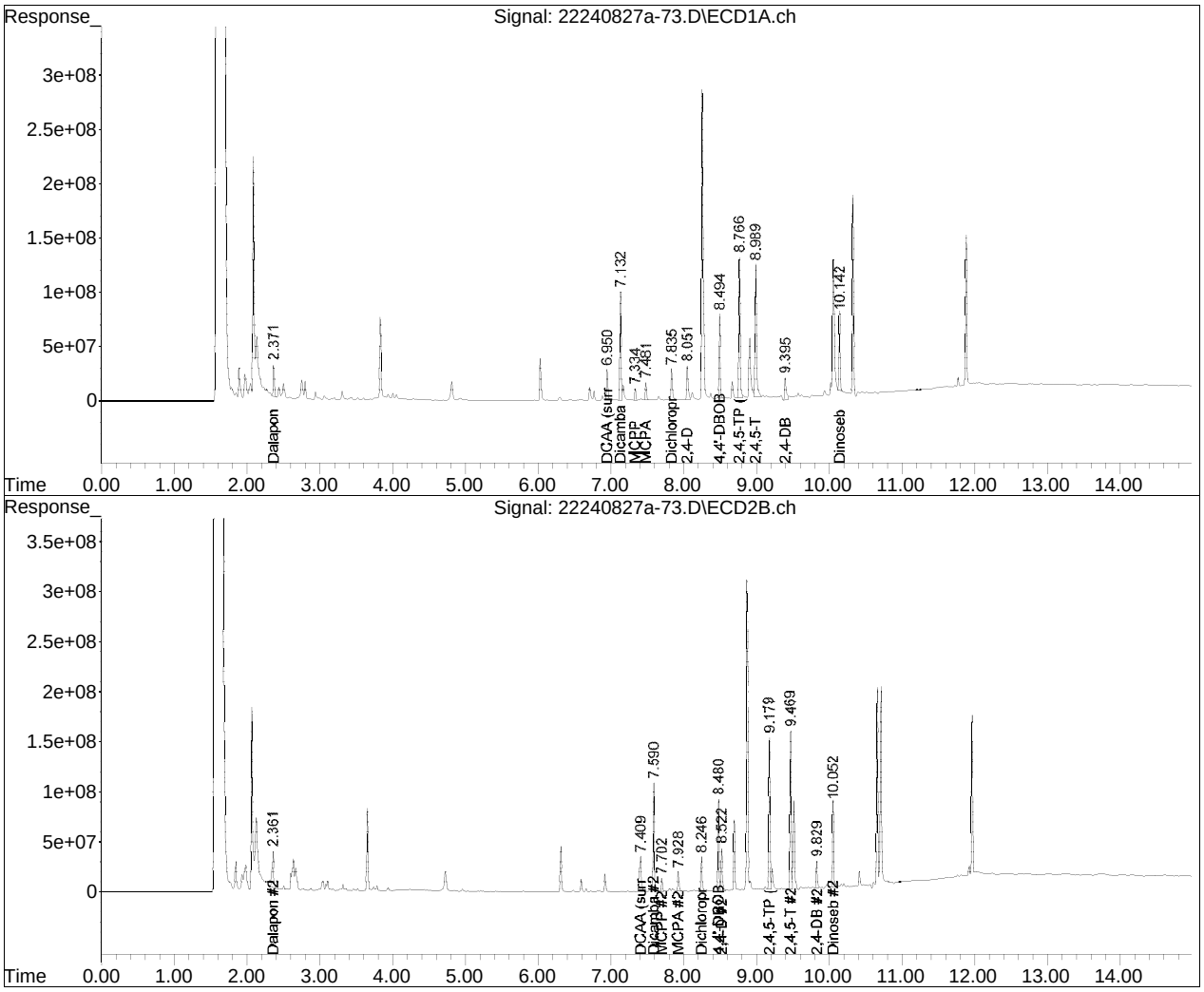
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-73.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 12:59
Operator : pest22:mmg
Sample : WG1964244-2,42,, 4244 (Sig #1); WG1964243-2,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298 (Sig #1); wg1964358,WG1964243,ical21
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:29 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

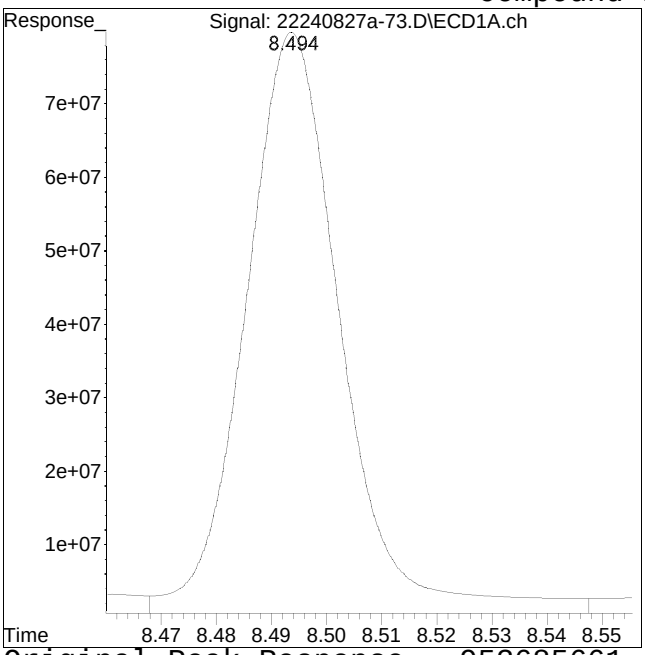
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



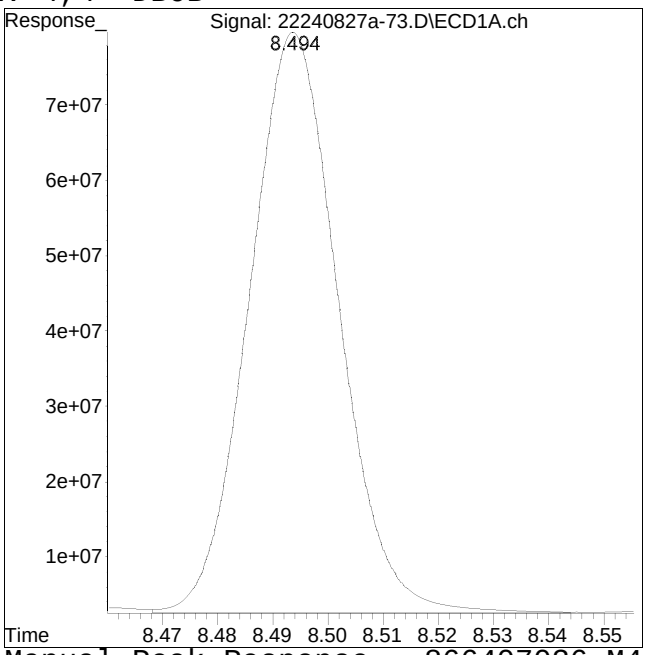
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 953685661



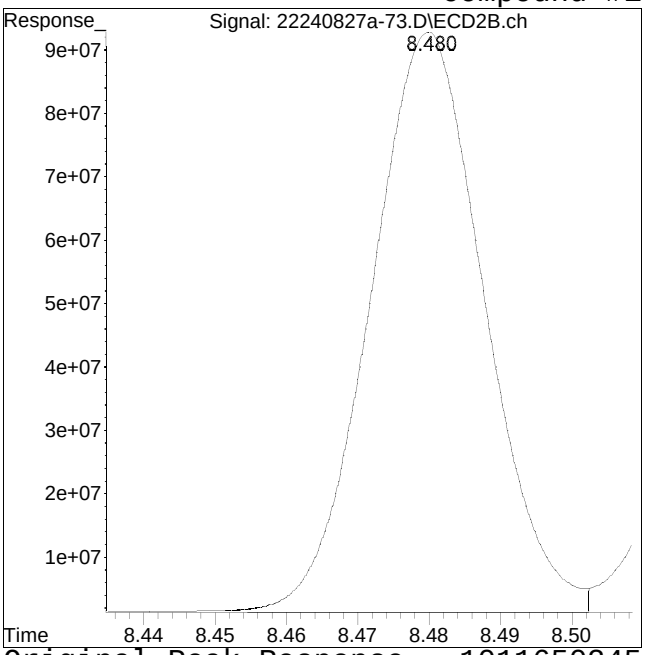
Manual Peak Response = 866407036 M4

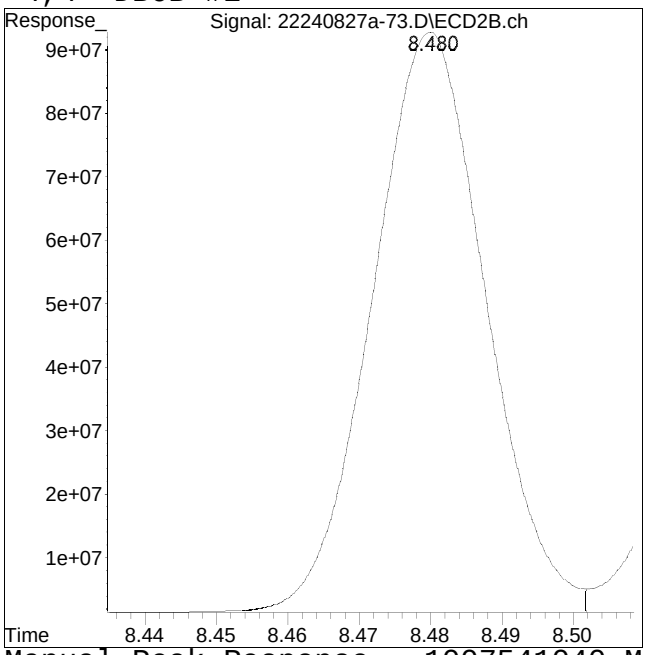
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



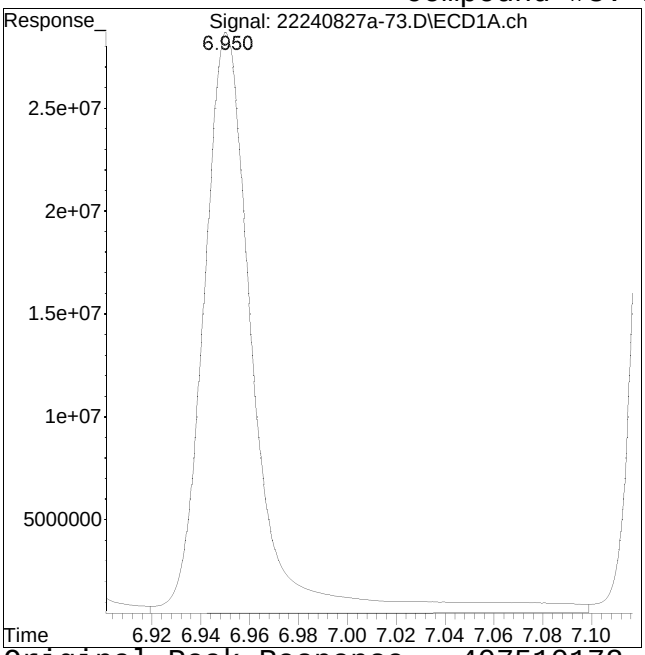


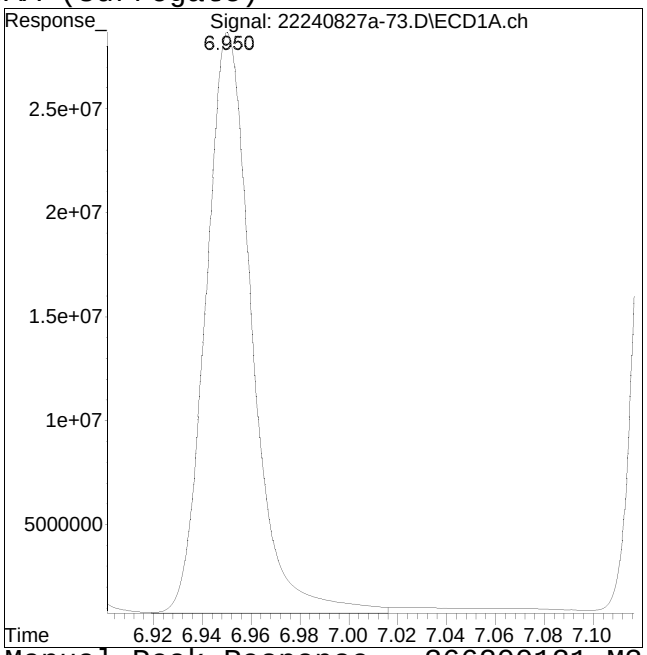
Original Peak Response = 1011650245 Manual Peak Response = 1007541040 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



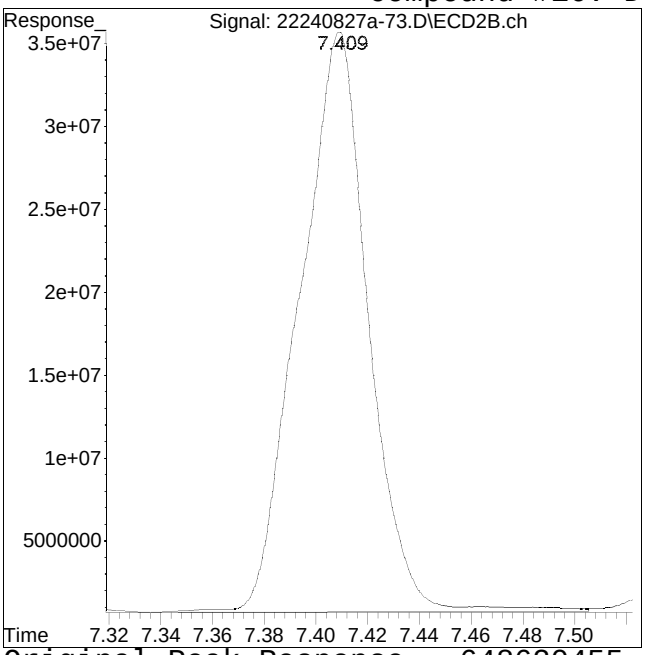


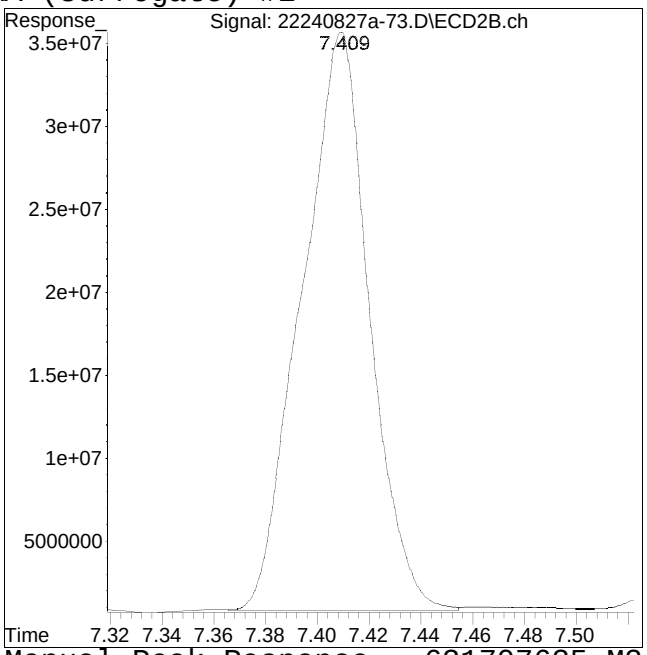
Original Peak Response = 407510172 Manual Peak Response = 366200121 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2



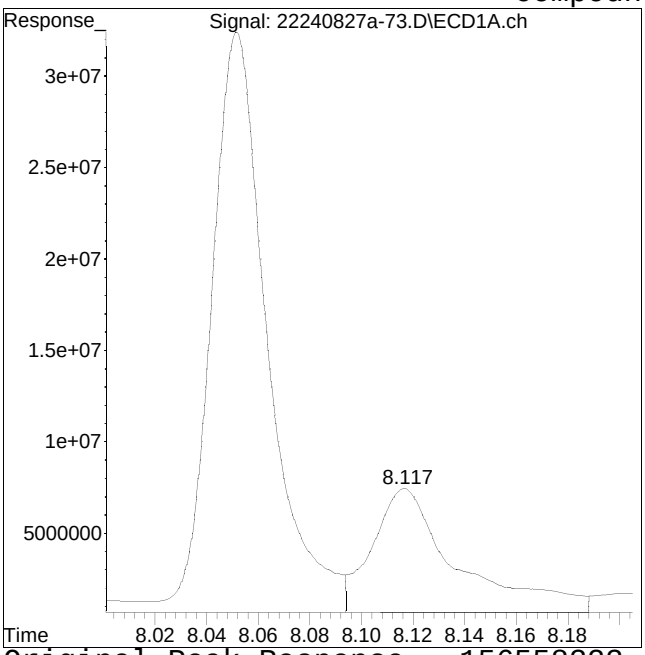


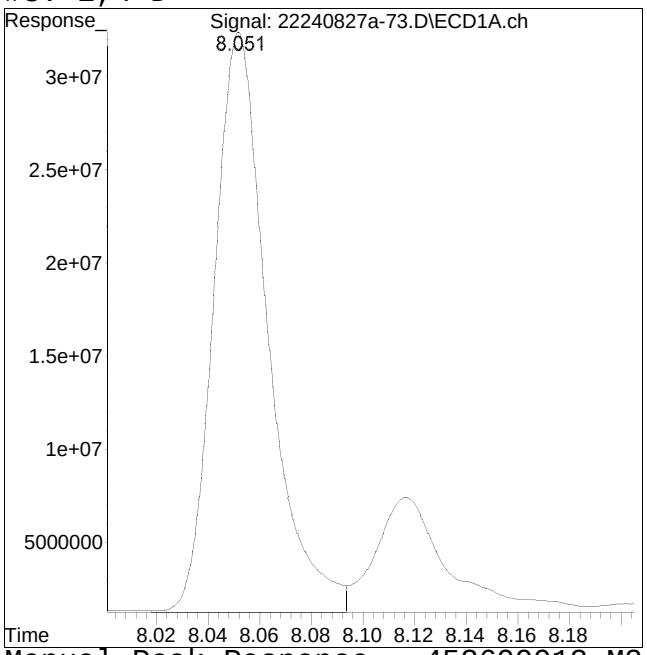
Original Peak Response = 648620455 Manual Peak Response = 631707635 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #8: 2,4-D



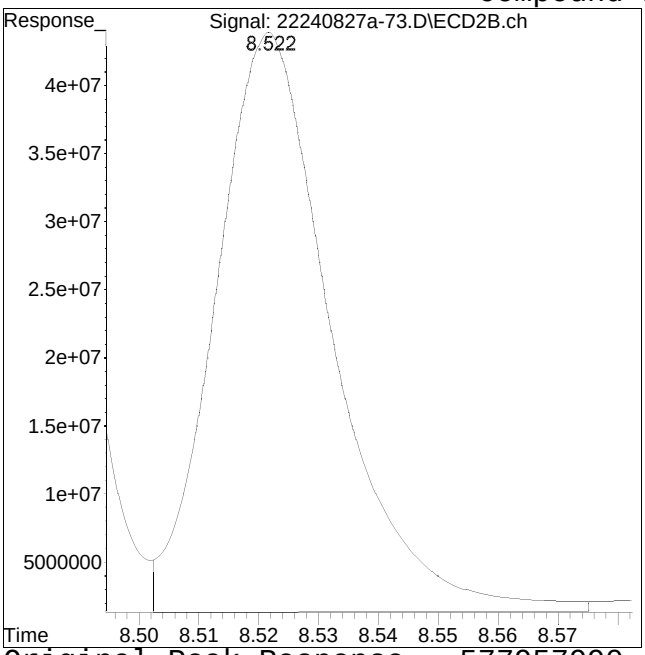


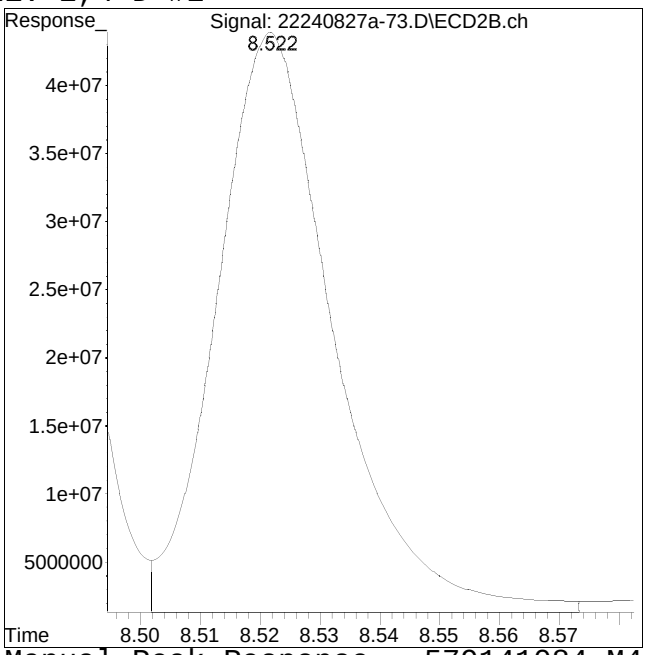
Original Peak Response = 156558323 Manual Peak Response = 452699912 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #21: 2,4-D #2



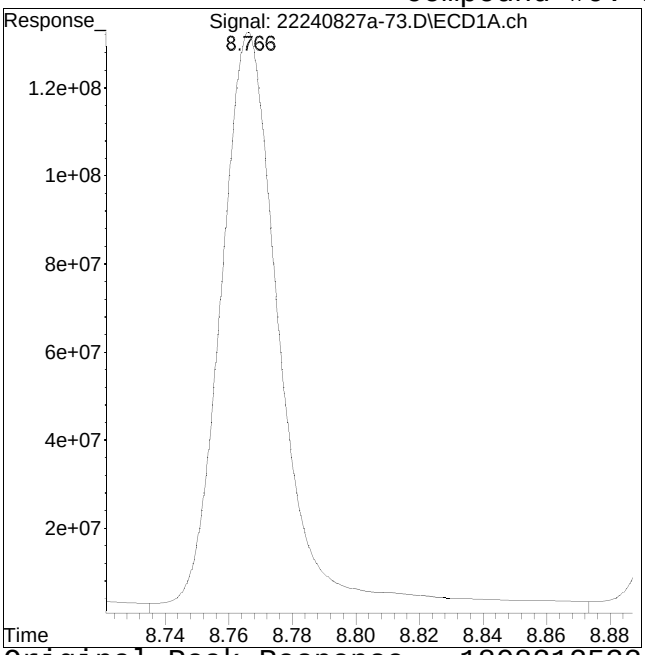


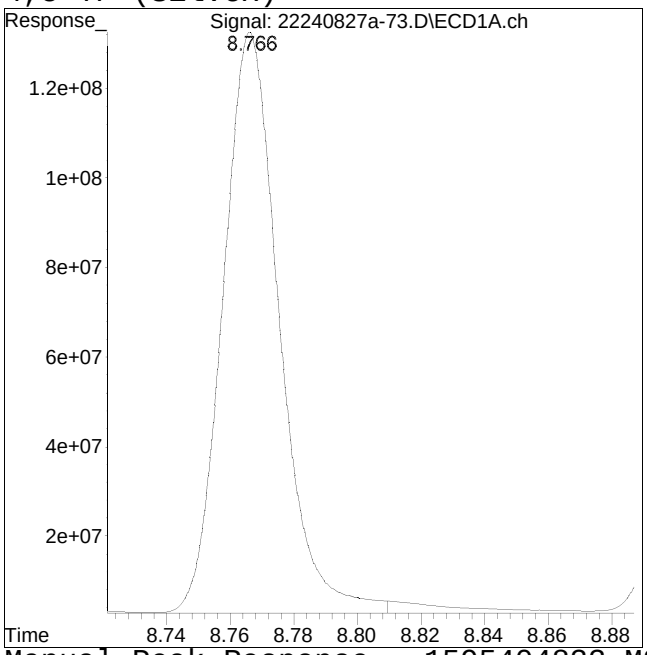
Original Peak Response = 577957990 Manual Peak Response = 579141084 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #9: 2,4,5-TP (Silvex)



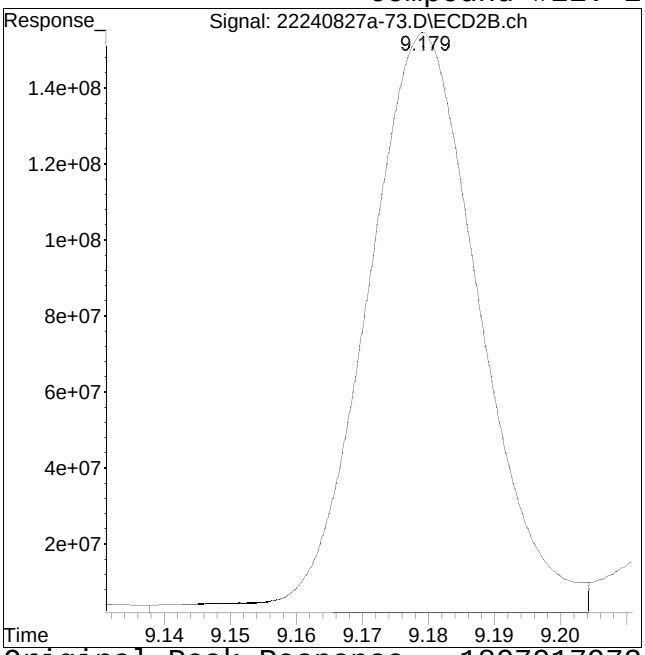


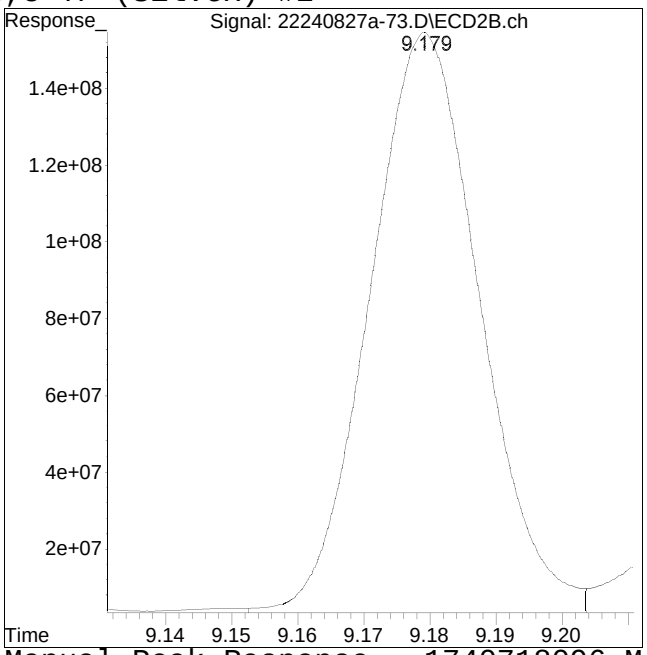
Original Peak Response = 1808212532 Manual Peak Response = 1595404833 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #22: 2,4,5-TP (Silvex) #2



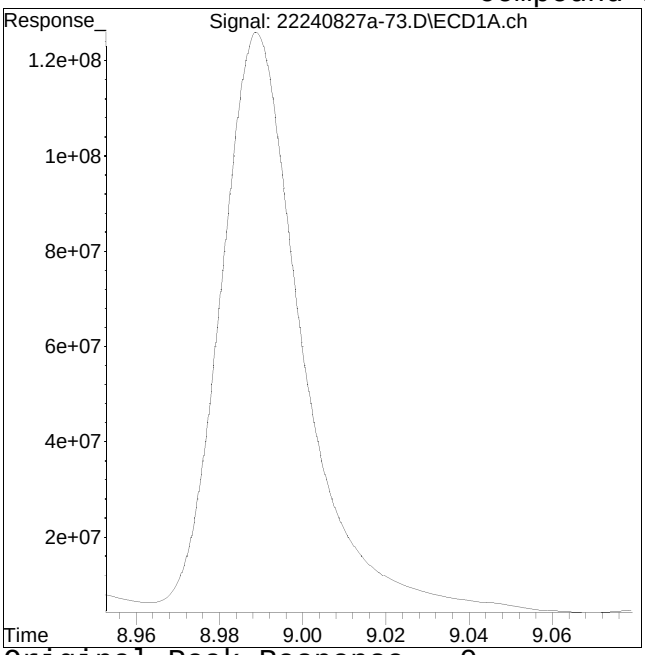


Original Peak Response = 1807917973 Manual Peak Response = 1740718096 M4
M4 = Poor automated baseline construction.

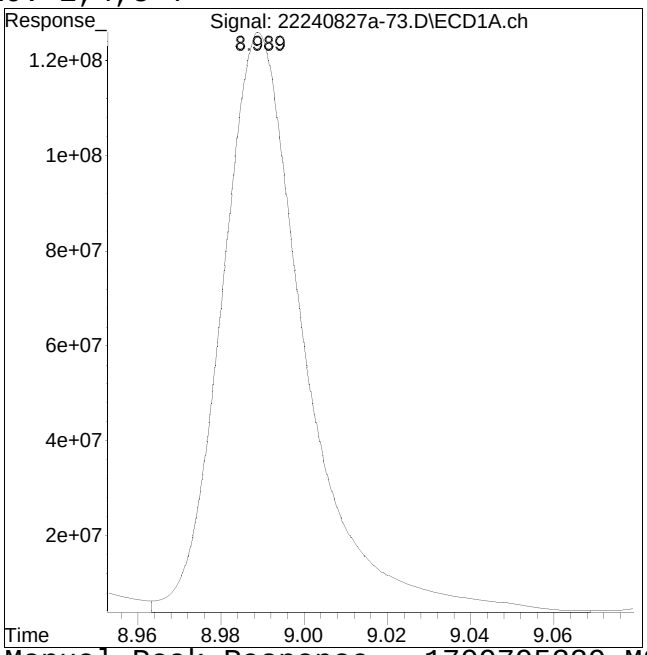
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #10: 2,4,5-T



Original Peak Response = 0



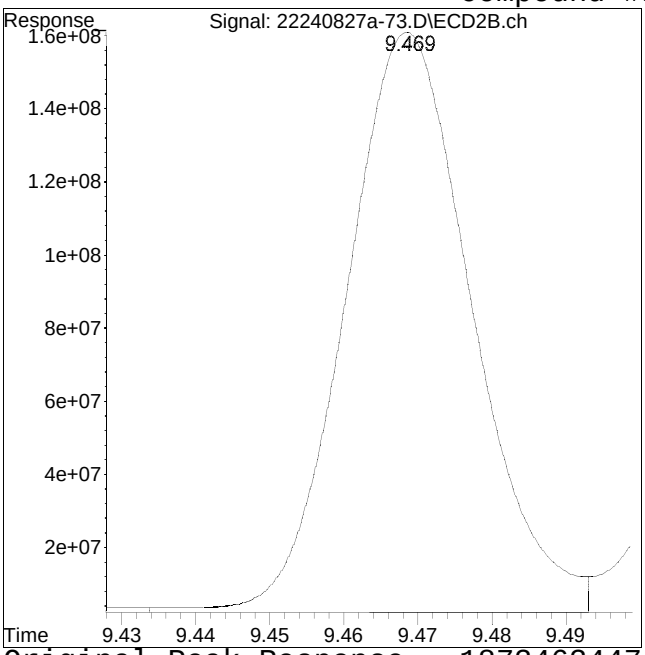
Manual Peak Response = 1709795329 M2

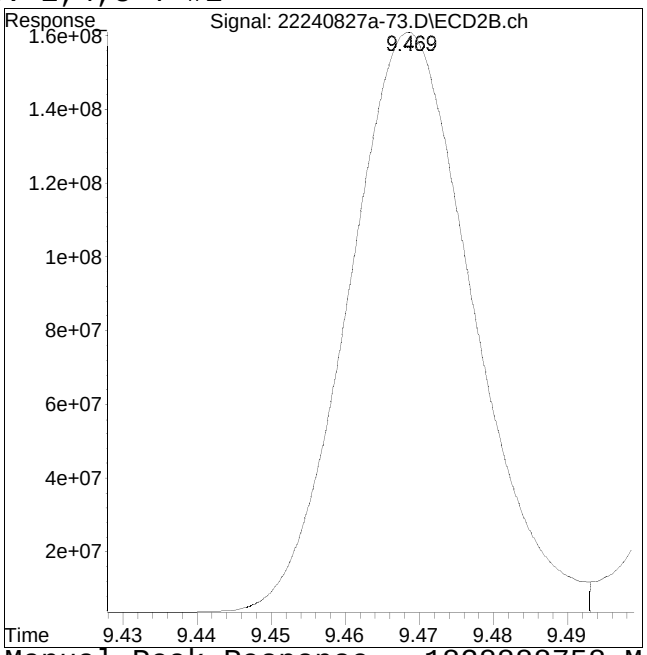
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-73.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 12:59 Instrument : Pest22
Sample : WG1964244-2,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 1873463447 Manual Peak Response = 1828888758 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:49
Operator : PEST17:jag
Sample : WG1963640-3,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:06 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.399	539.7E6	509.3E6	0.250M4	0.250M3
	Standard Area 1 : #1 = 668945640				Recovery =	80.69%	
	Standard Area 1 : #2 = 630488988				Recovery =	80.77%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.858	7.320	193.2E6	226.5E6	0.545M4	0.545M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	109.00%	109.00%
	Target Compounds						
8) t	2,4-D	7.961	8.440	237.1E6	259.4E6	0.626	0.554
9) t	2,4,5-TP (Si	8.687	9.102	872.2E6	827.1E6	0.611M4	0.492M4
10) t	2,4,5-T	8.908	9.395	856.9E6	820.4E6	0.654M4	0.509M4

SemiQuant Compounds - Not Calibrated on this Instrument

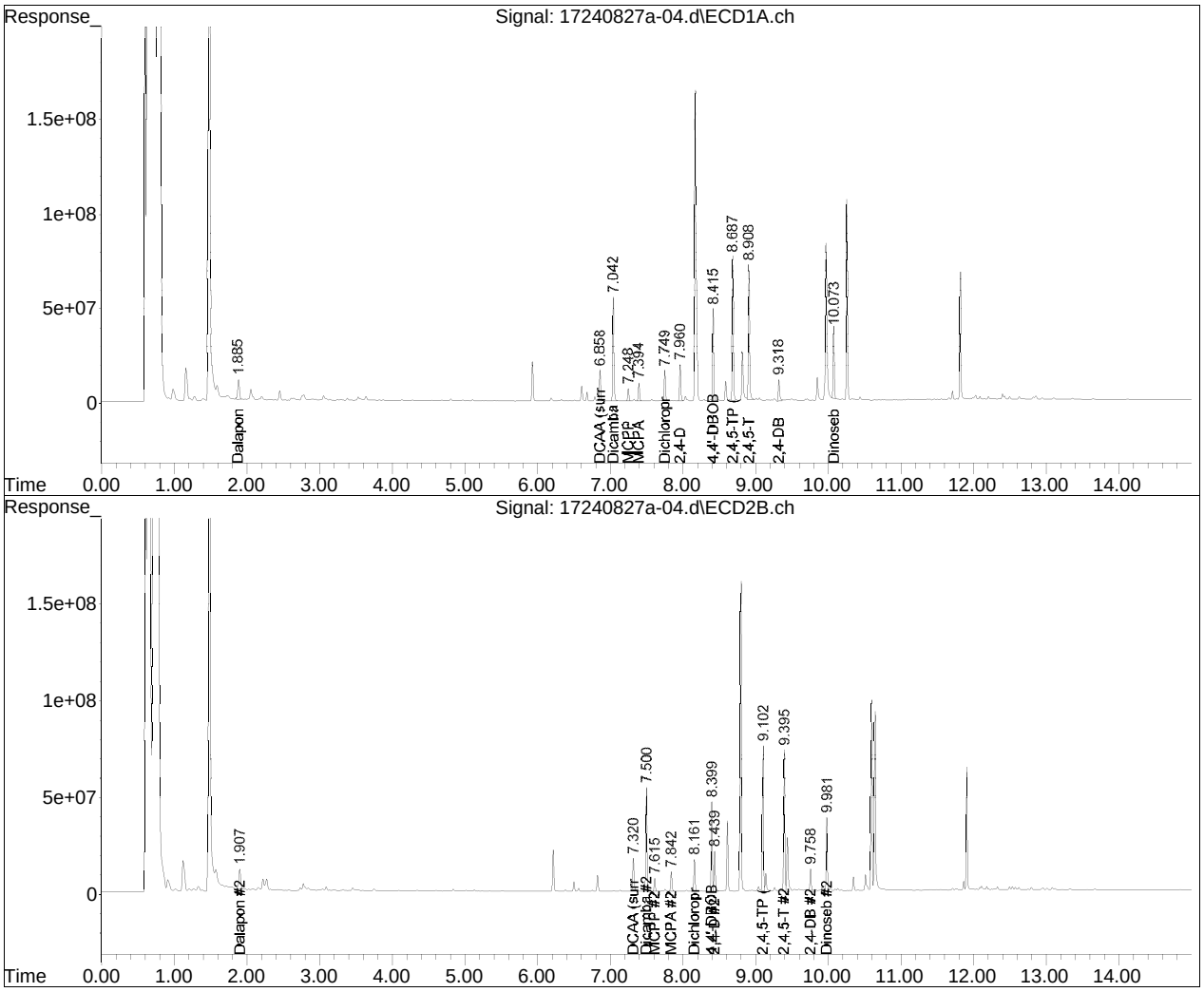
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-04.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 8:49
Operator : PEST17:jag
Sample : WG1963640-3,42,,
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:06 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

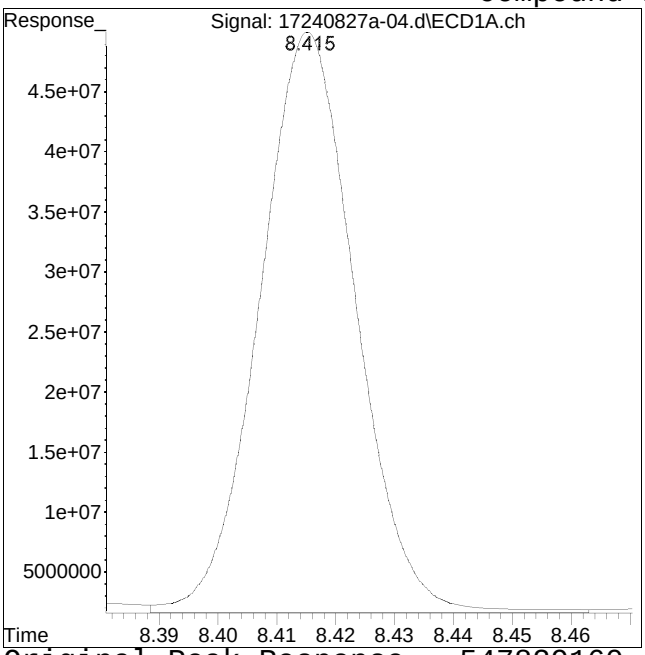
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

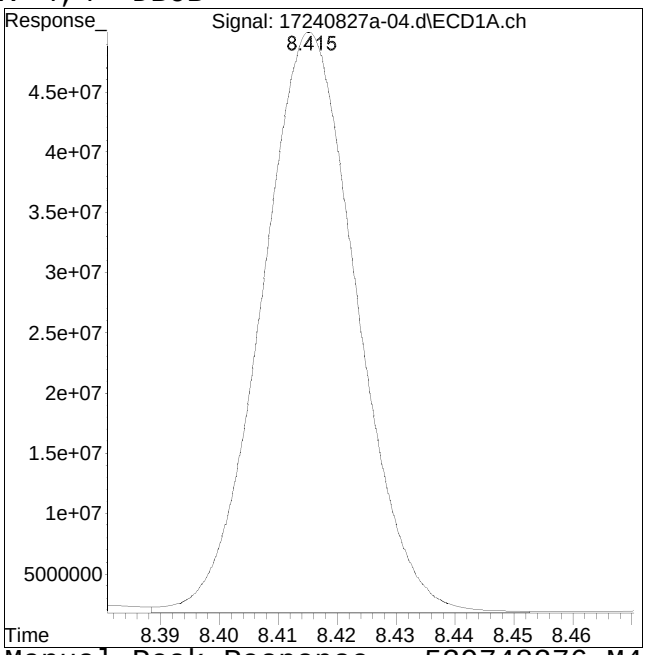


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



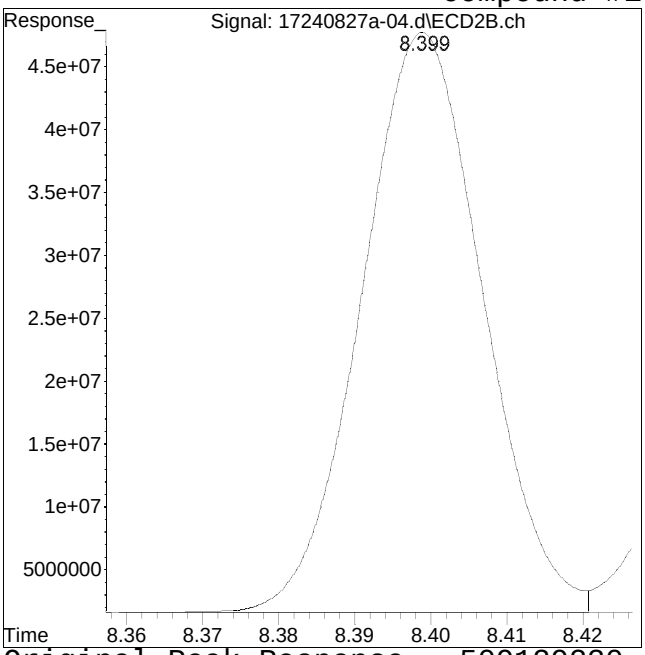


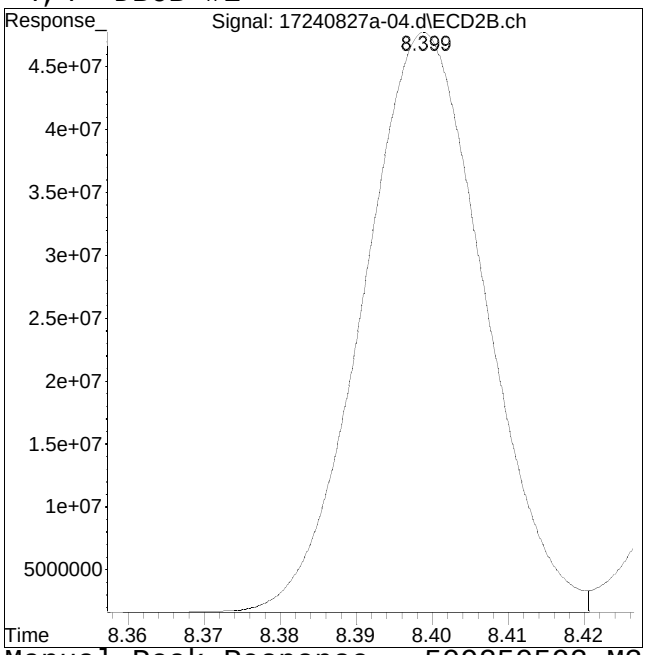
Original Peak Response = 547829160 Manual Peak Response = 539748276 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



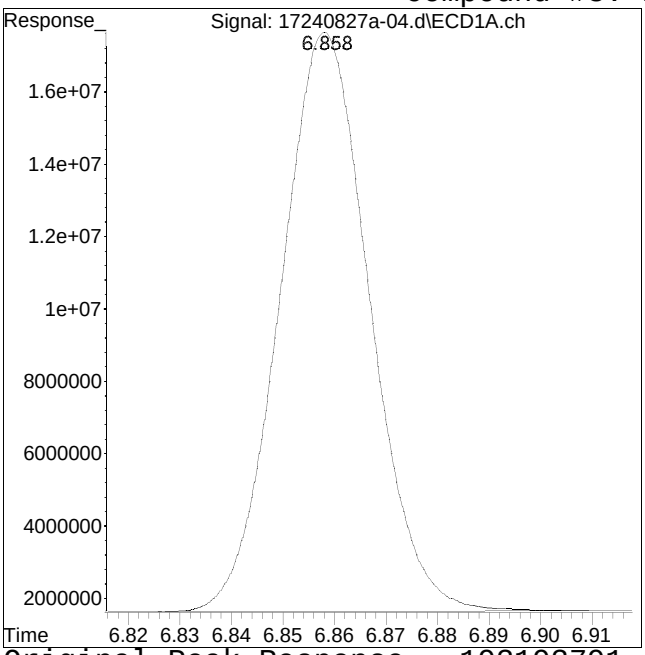


Original Peak Response = 509129230 Manual Peak Response = 509250592 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

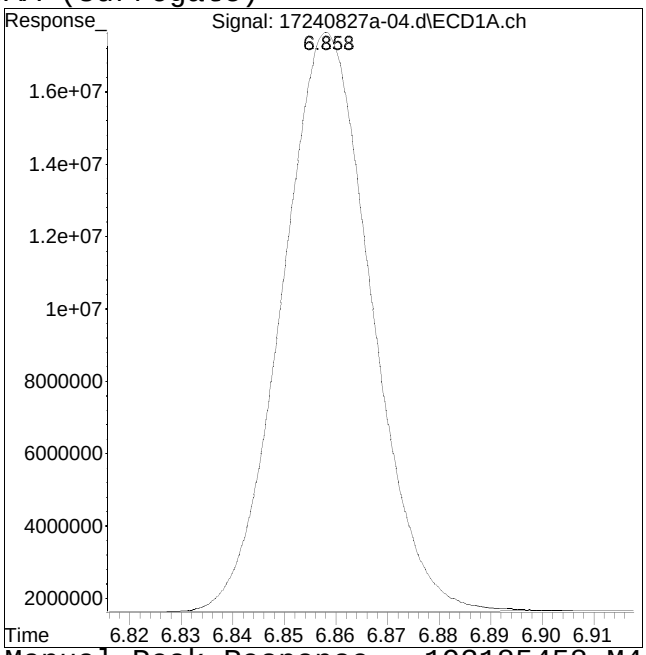
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



Original Peak Response = 193193791



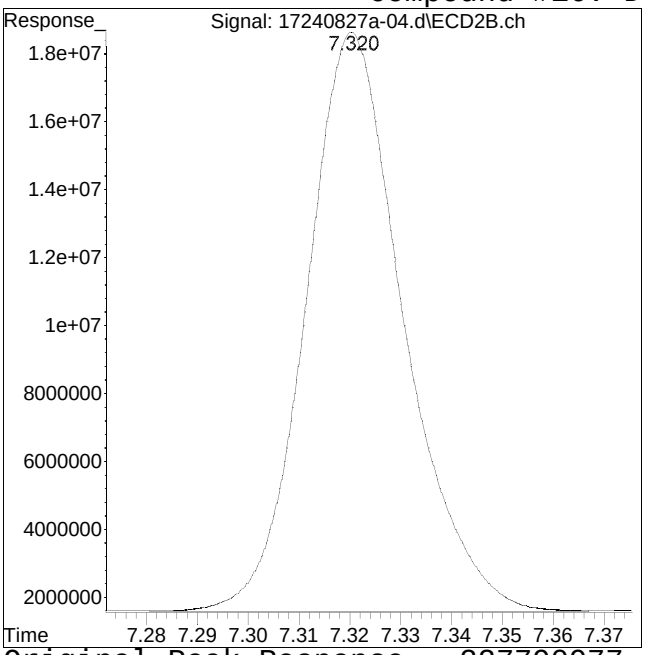
Manual Peak Response = 193185458 M4

M4 = Poor automated baseline construction.

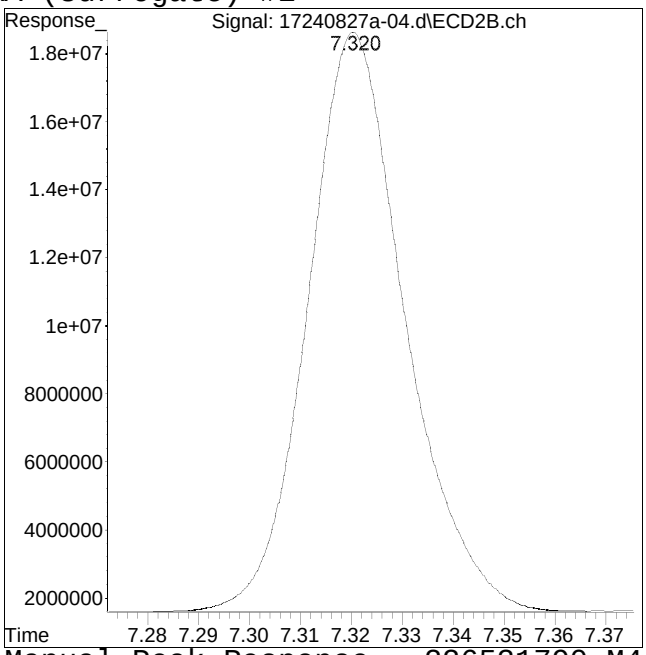
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



Original Peak Response = 227790977



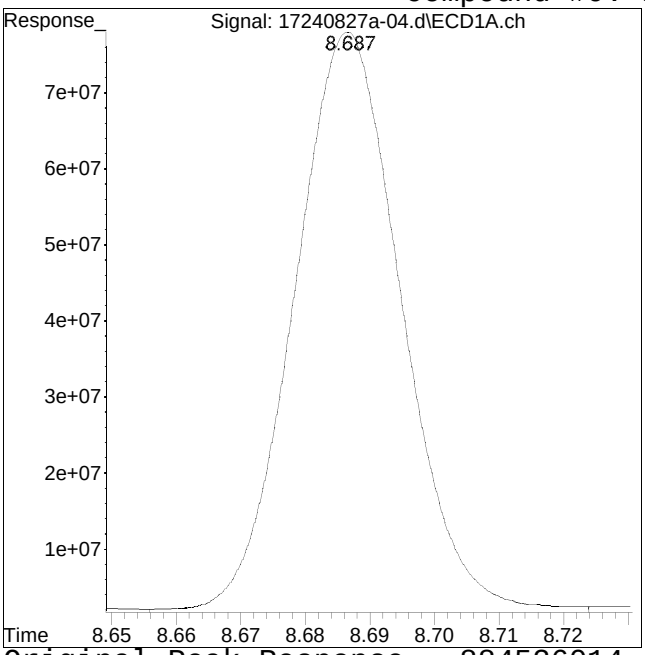
Manual Peak Response = 226531790 M4

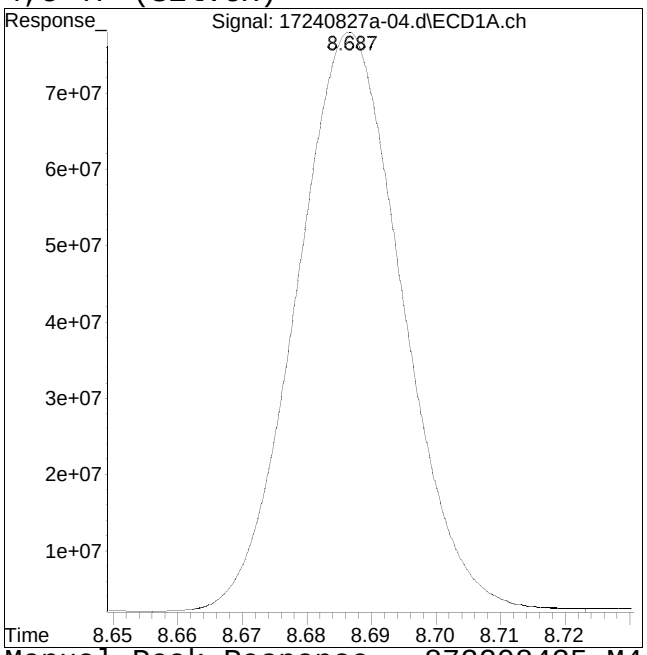
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



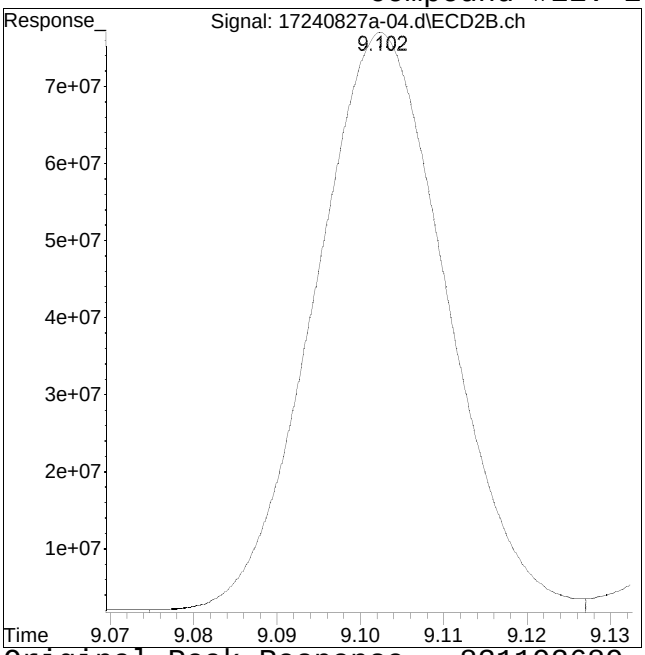


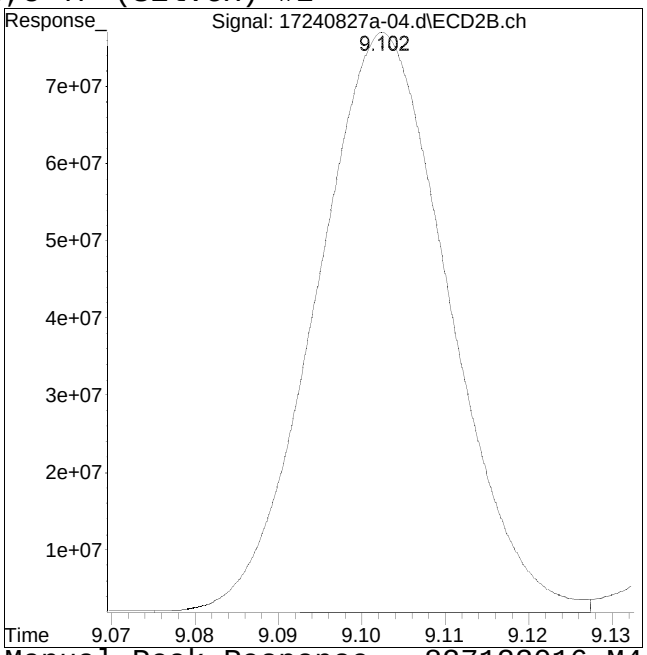
Original Peak Response = 884526014 Manual Peak Response = 872208435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



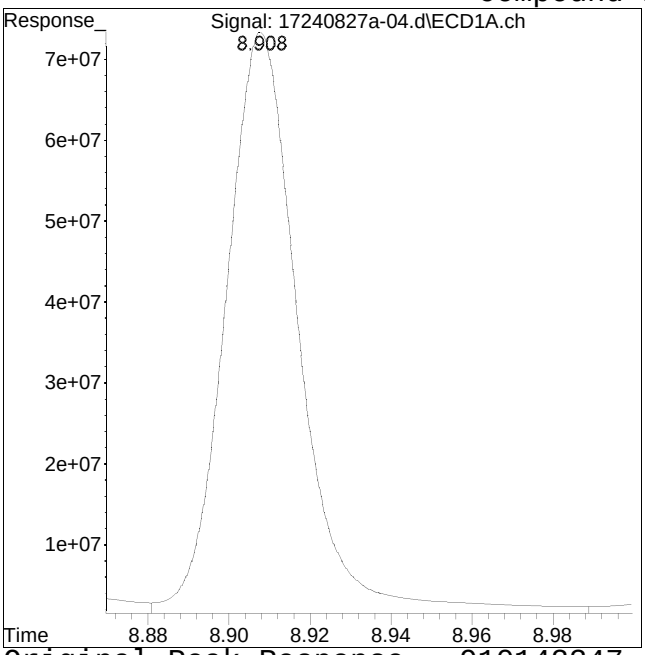


Original Peak Response = 831192689 Manual Peak Response = 827123016 M4
M4 = Poor automated baseline construction.

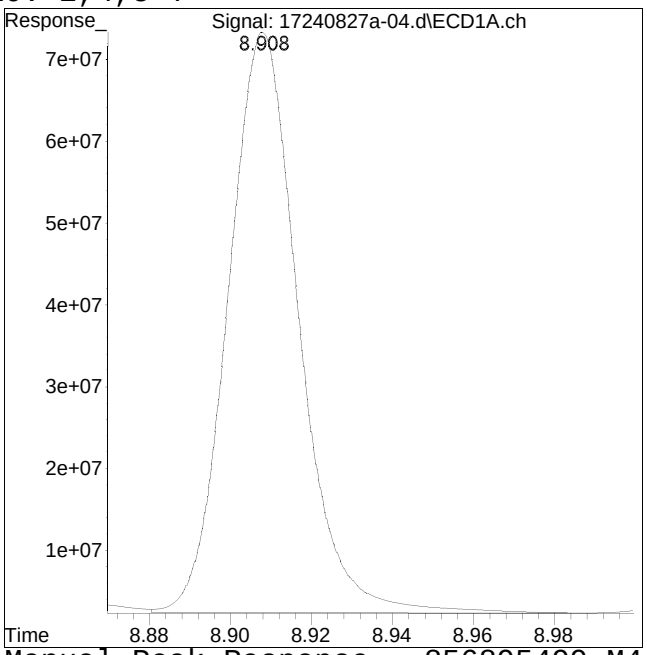
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



Original Peak Response = 910142347



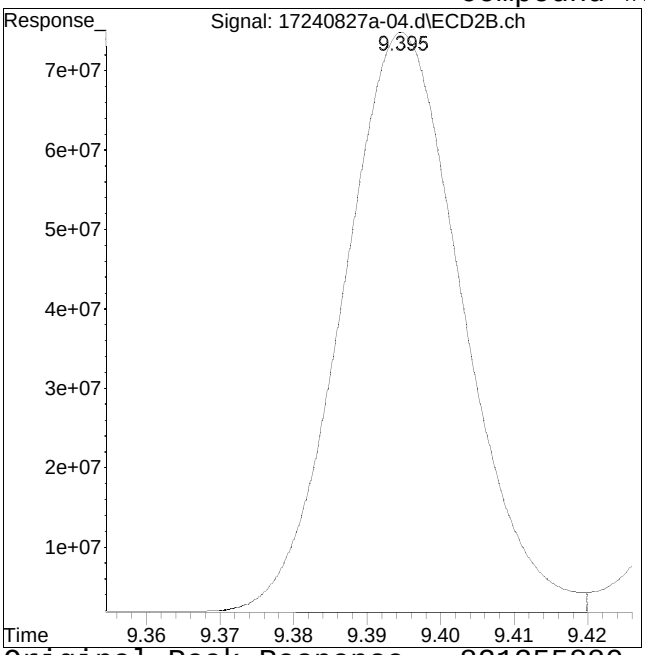
Manual Peak Response = 856895499 M4

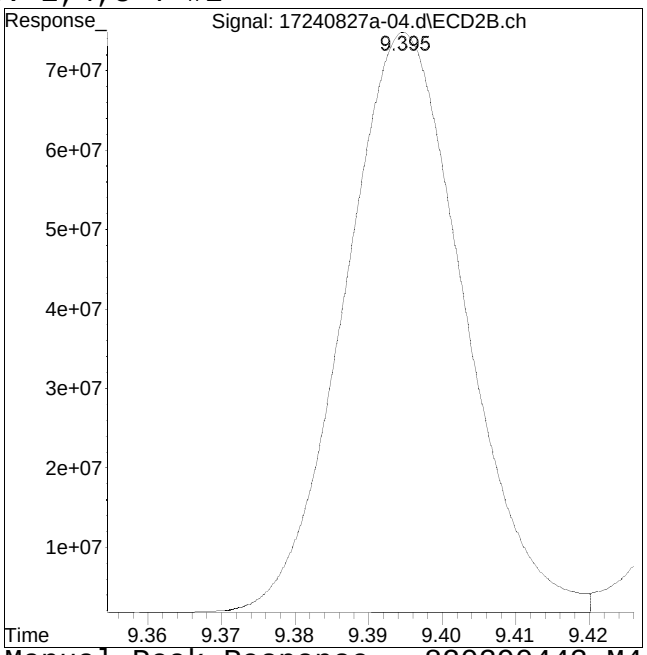
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-04.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 8:49 Instrument : Pest 17
Sample : WG1963640-3,42,, Quant Date : 8/27/2024 6:32 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 821355880 Manual Peak Response = 820390443 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-74.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:17
Operator : pest22:mmg
Sample : WG1964244-3,42,, 4244 (Sig #1); WG1964243-3,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:30 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest22\2024\240827a\22240827a-66.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
Internal Standards						
1) i 4,4'-DBOB	8.494	8.480	878.8E6	1007.1E6	0.250M4	0.250M4
Standard Area 1 : #1 = 1243823131				Recovery =	70.66%	
Standard Area 1 : #2 = 1444515032				Recovery =	69.72%	
System Monitoring Compounds						
3) s DCAA (surrog	6.950	7.409	365.8E6	555.2E6	0.536M3	0.709M3
Spiked Amount	0.500	Range 30 - 150		Recovery =	107.20%	141.80%
Target Compounds						
8) t 2,4-D	8.051f	8.522	460.0E6	587.8E6	0.604M2	0.705
9) t 2,4,5-TP (Si	8.766f	9.179	1688.4E6	1790.2E6	0.596M4	0.546M4
10) t 2,4,5-T	8.989f	9.469	1731.1E6	1891.1E6	0.607M2	0.606M4
SemiQuant Compounds - Not Calibrated on this Instrument						

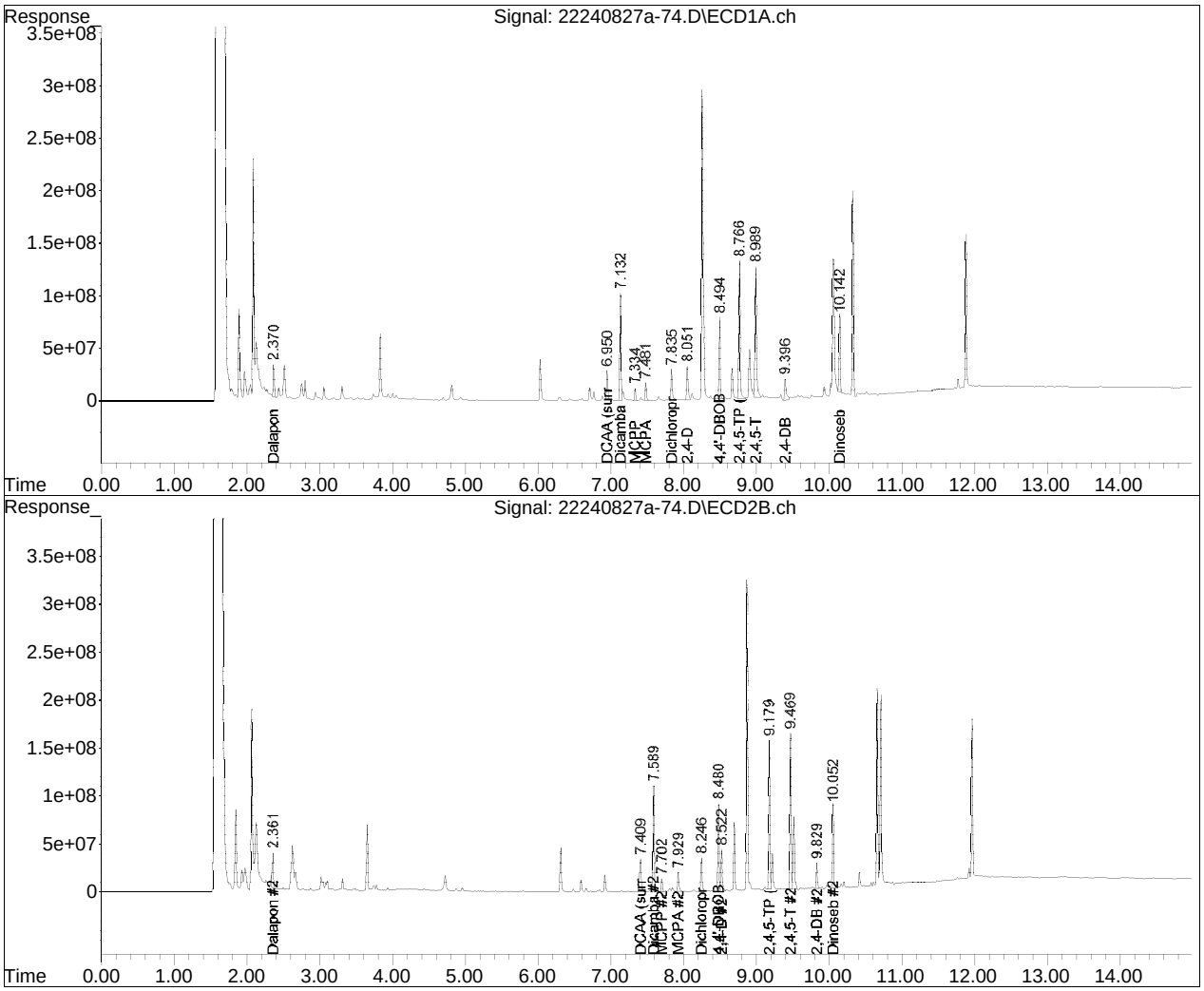
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listeda\22240827a-66.D•

Data Path : I:\PEST\Pest22\2024\240827a\
Data File : 22240827a-74.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2024 13:17
Operator : pest22:mmg
Sample : WG1964244-3,42,, 4244 (Sig #1); WG1964243-3,42,, 4244 (Sig #2)
Misc : wg1964358,WG1964244,ical21298
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 28 13:45:30 2024
Quant Method : I:\PEST\Pest22\2024\240827a\Herb22_2024_07_16_mgL_ICAL21298.m
Quant Title : herb
QLast Update : Tue Aug 27 07:10:49 2024
Response via : Initial Calibration
Integrator: ChemStation

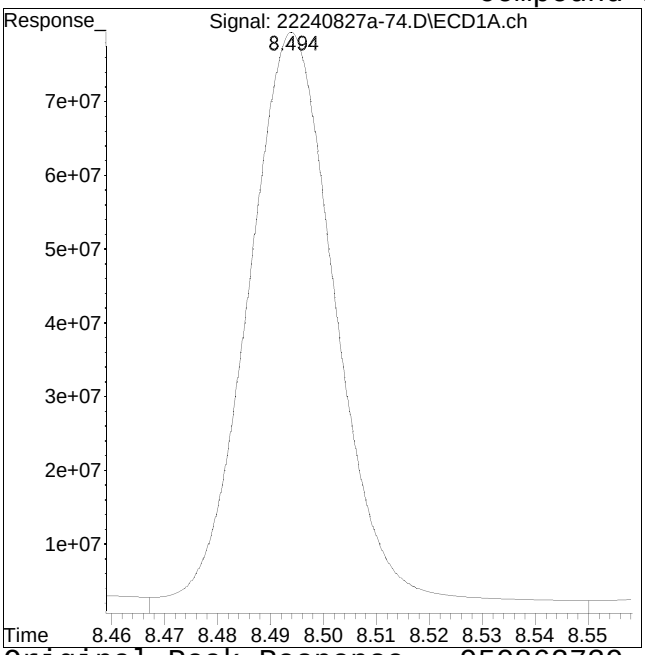
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



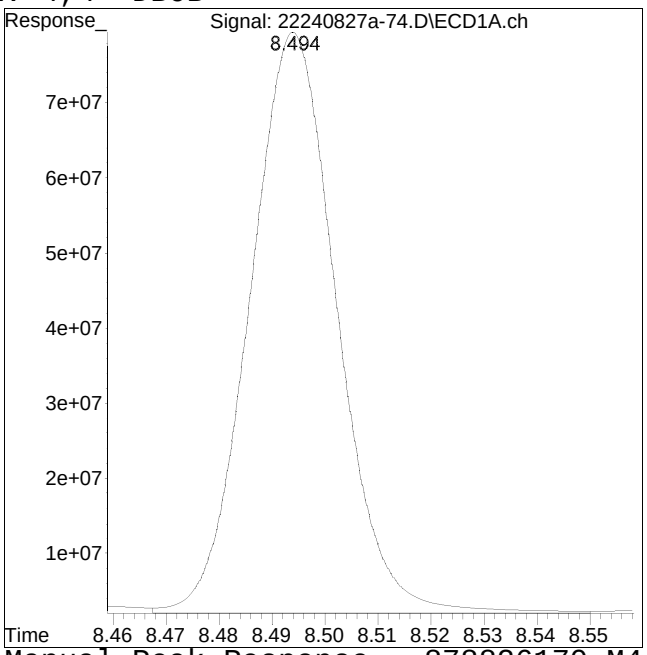
Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #1: 4,4'-DBOB



Original Peak Response = 950862739



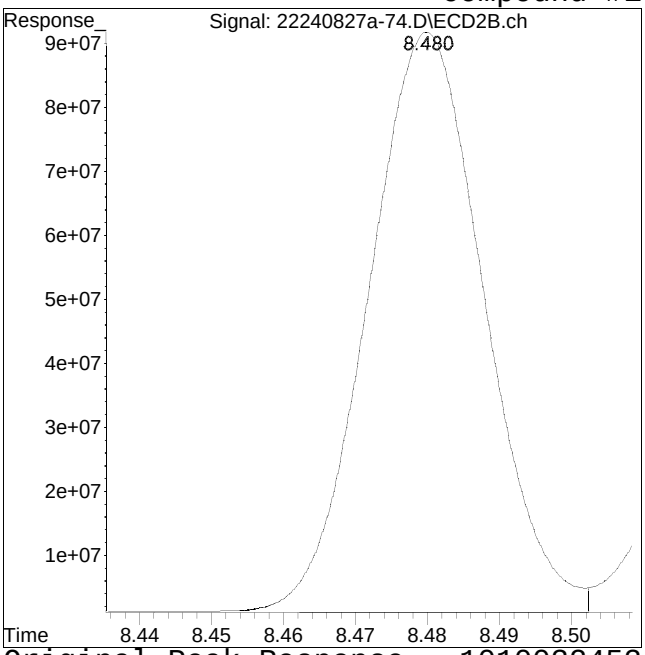
Manual Peak Response = 878826170 M4

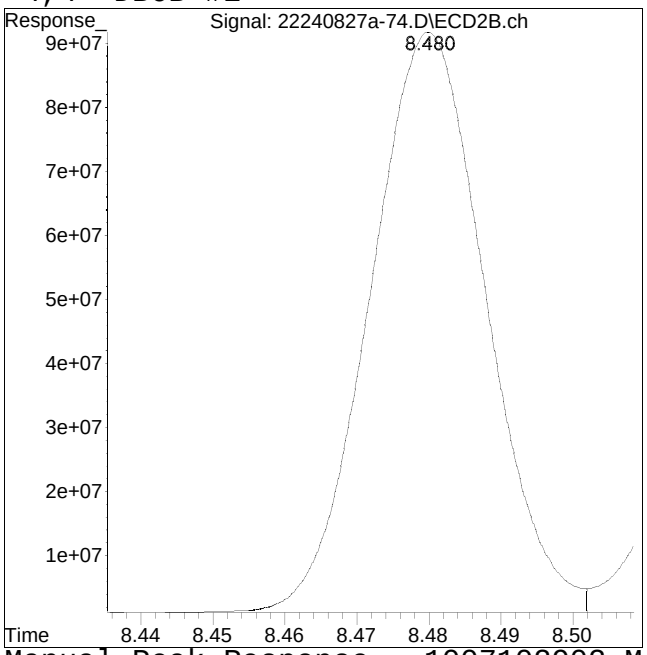
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #14: 4,4'-DBOB #2



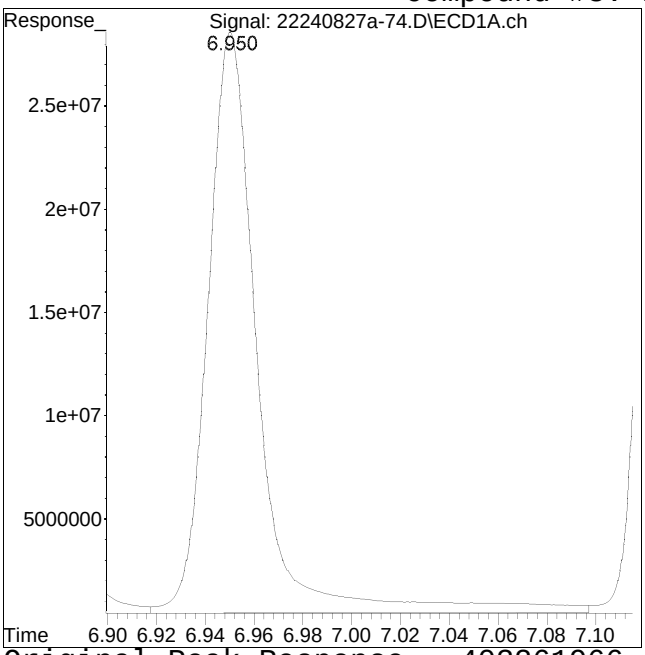


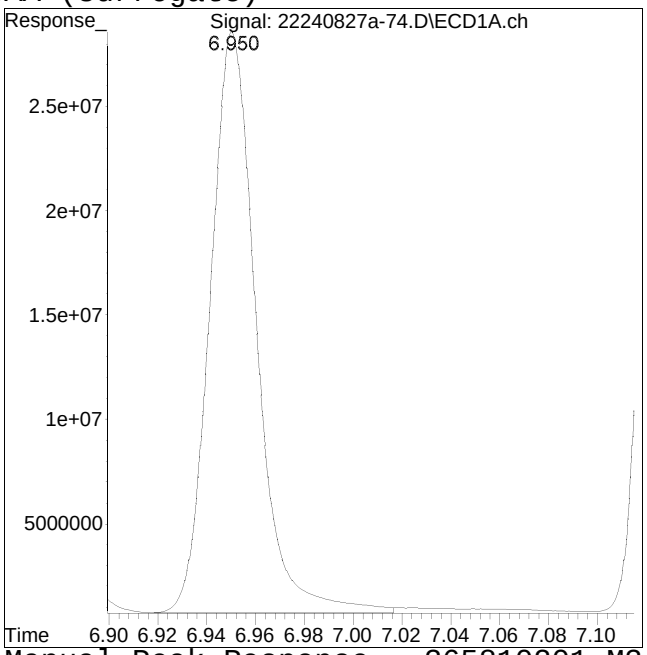
Original Peak Response = 1010032453 Manual Peak Response = 1007102902 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #3: DCAA (surrogate)



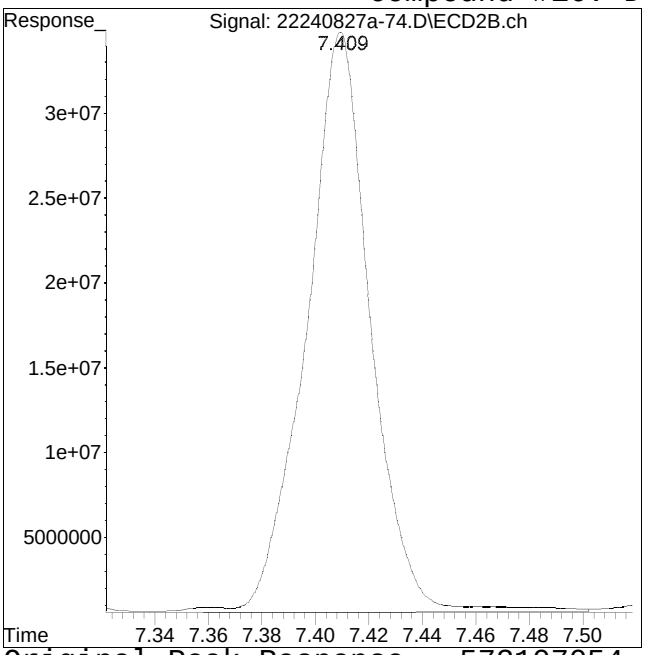


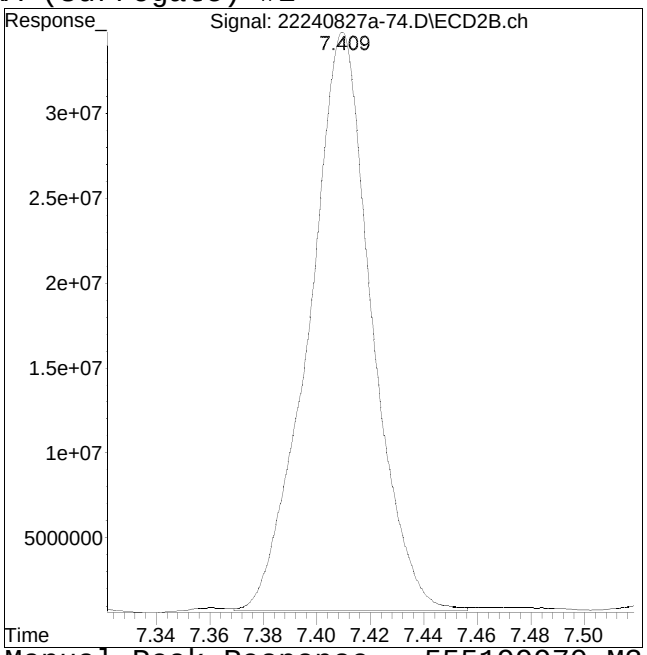
Original Peak Response = 403261966 Manual Peak Response = 365810201 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #16: DCAA (surrogate) #2



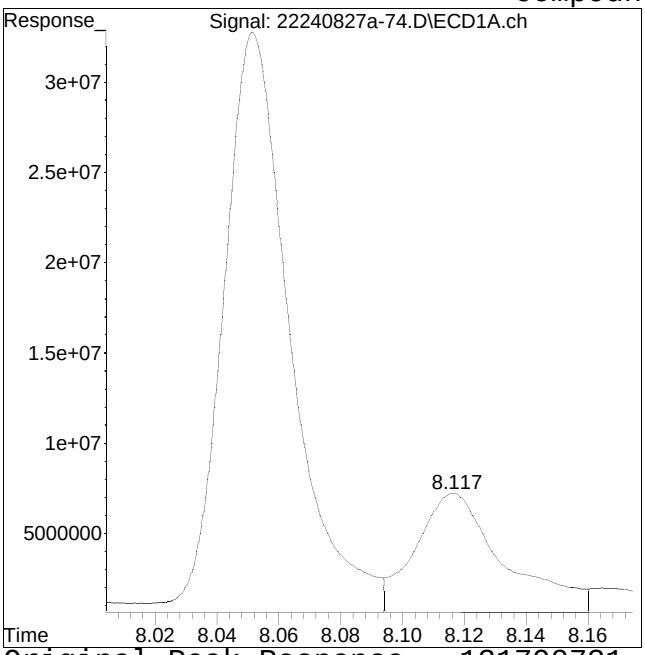


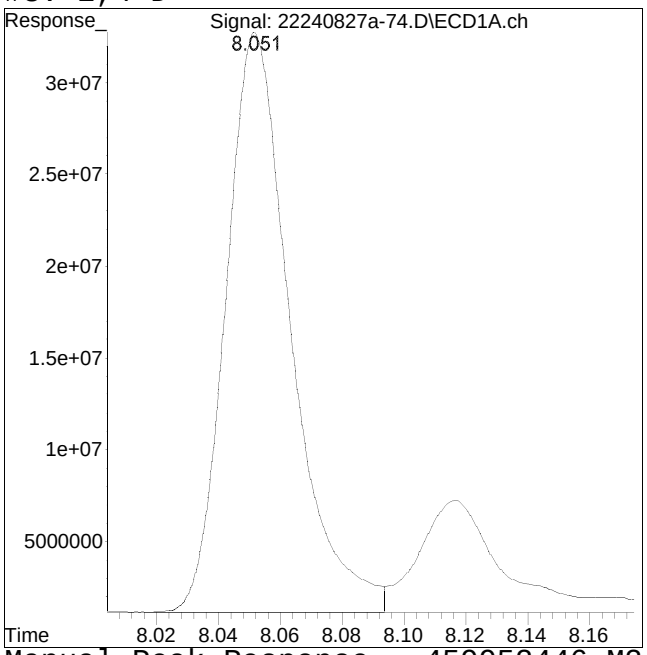
Original Peak Response = 573107054 Manual Peak Response = 555199970 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #8: 2,4-D



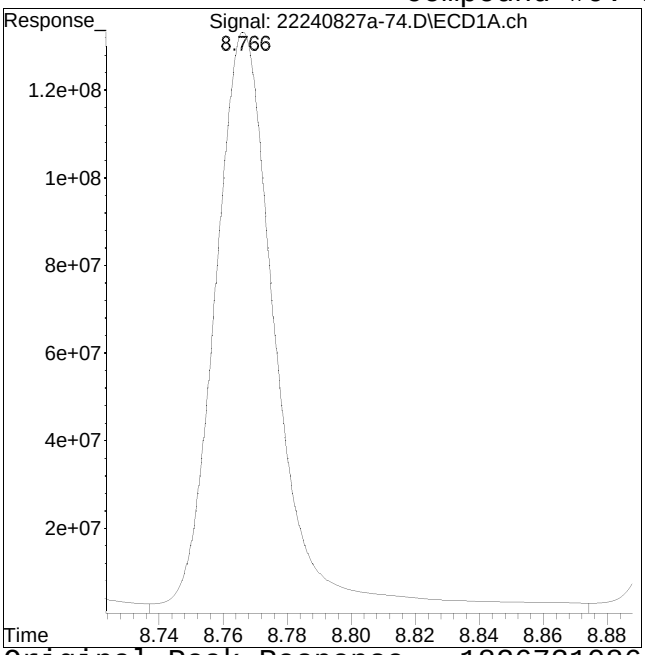


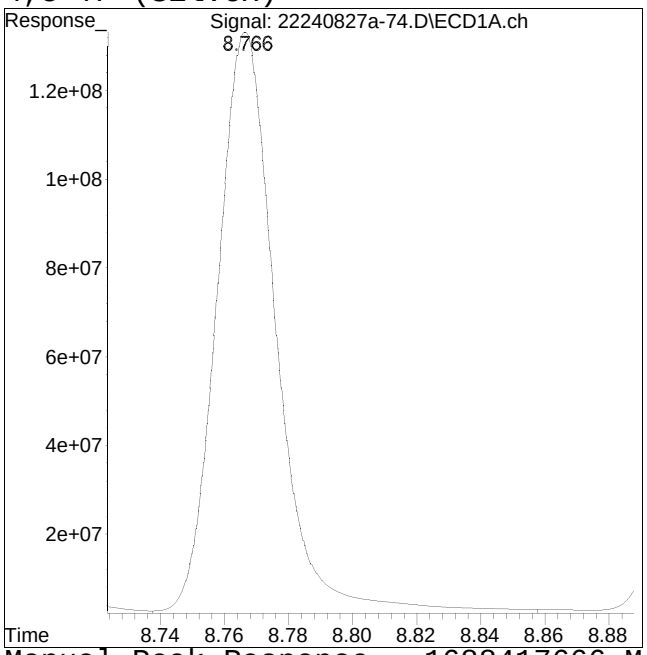
Original Peak Response = 131790731 Manual Peak Response = 459952446 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #9: 2,4,5-TP (Silvex)



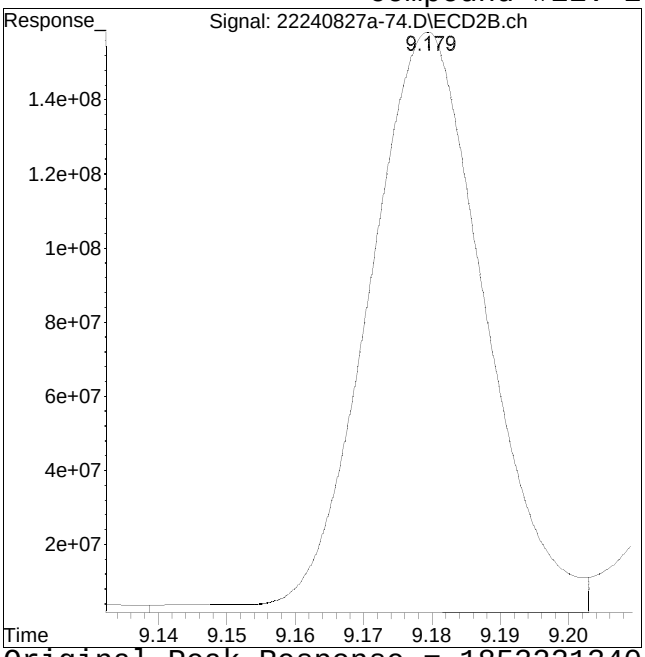


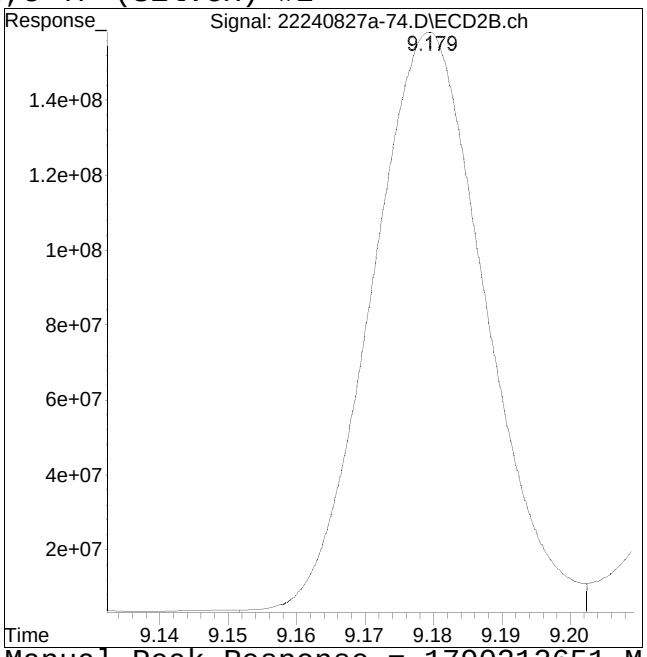
Original Peak Response = 1826731086 Manual Peak Response = 1688417666 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #22: 2,4,5-TP (Silvex) #2



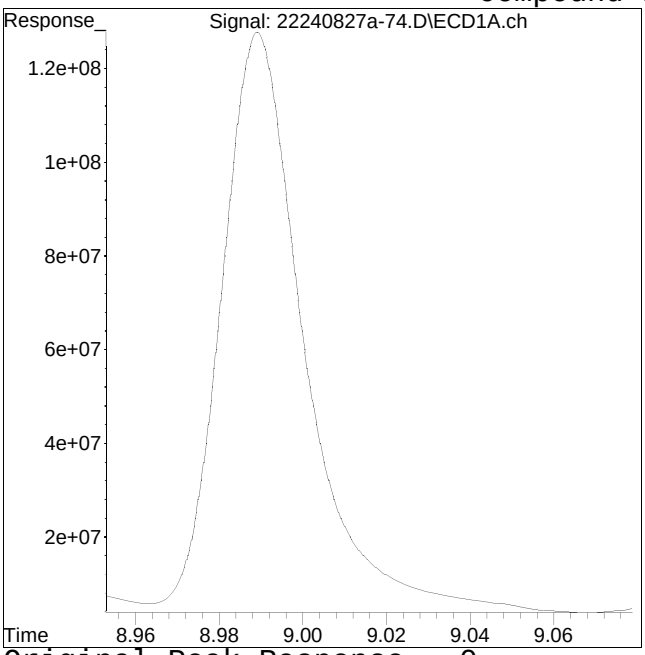


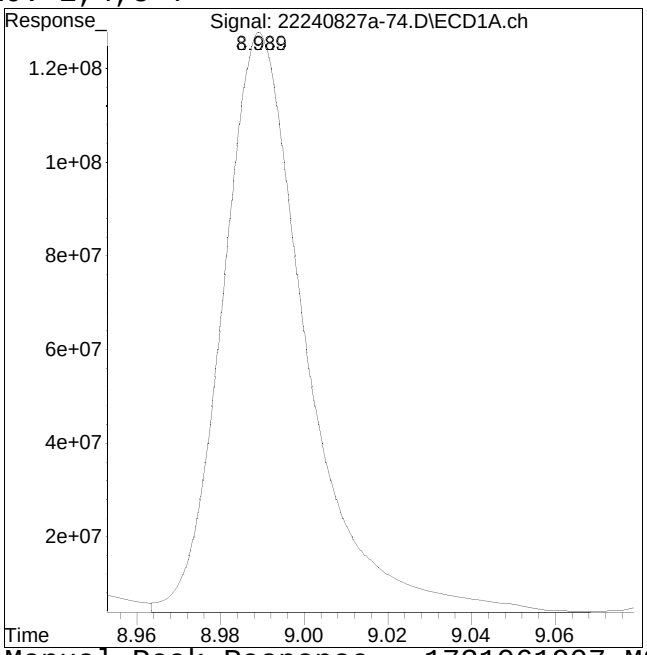
Original Peak Response = 1853221340 Manual Peak Response = 1790212651 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #10: 2,4,5-T



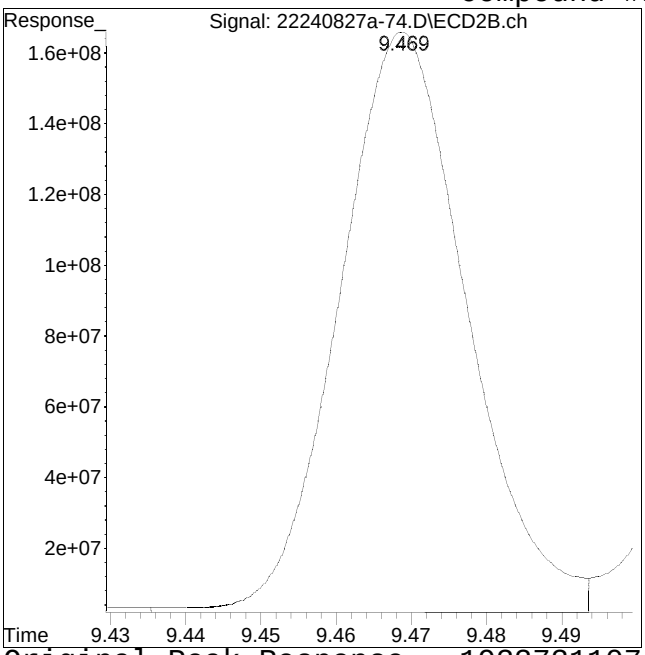


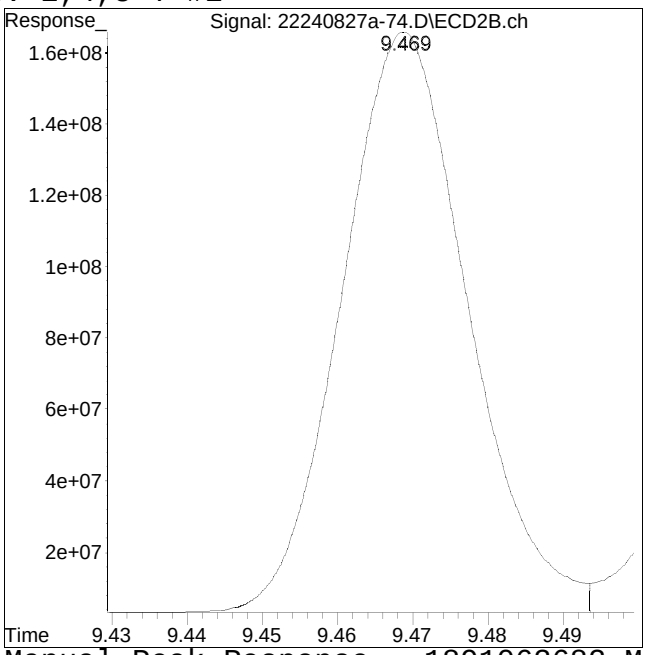
Original Peak Response = 0 Manual Peak Response = 1731061907 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\PEST\Pest22\2024\240827QMethod : Herb22_2024_07_16_mgL_IC
Data File : 22240827a-74.D Operator : pest22:mmg
Date Inj'd : 8/28/2024 13:17 Instrument : Pest22
Sample : WG1964244-3,42,, 4244 Quant Date : 8/28/2024 1:45 pm

Compound #23: 2,4,5-T #2





Original Peak Response = 1933731107 Manual Peak Response = 1891063682 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:17
Operator : PEST17:jag
Sample : WG1963640-6,42,, ms
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:20 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.399	525.2E6	497.4E6	0.250M4	0.250M4
	Standard Area 1 : #1 = 668945640				Recovery =	78.51%	
	Standard Area 1 : #2 = 630488988				Recovery =	78.89%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.857	7.306f	217.2E6	535.7E6	0.630M4	1.319M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	126.00%	263.80%#
	Target Compounds						
8) t	2,4-D	7.960	8.439	248.0E6	266.2E6	0.672	0.582M4
9) t	2,4,5-TP (Si	8.685	9.102	904.7E6	833.8E6	0.652M4	0.507M4
10) t	2,4,5-T	8.905	9.394	892.1E6	852.8E6	0.700M4	0.542M4
	SemiQuant Compounds - Not Calibrated on this Instrument						

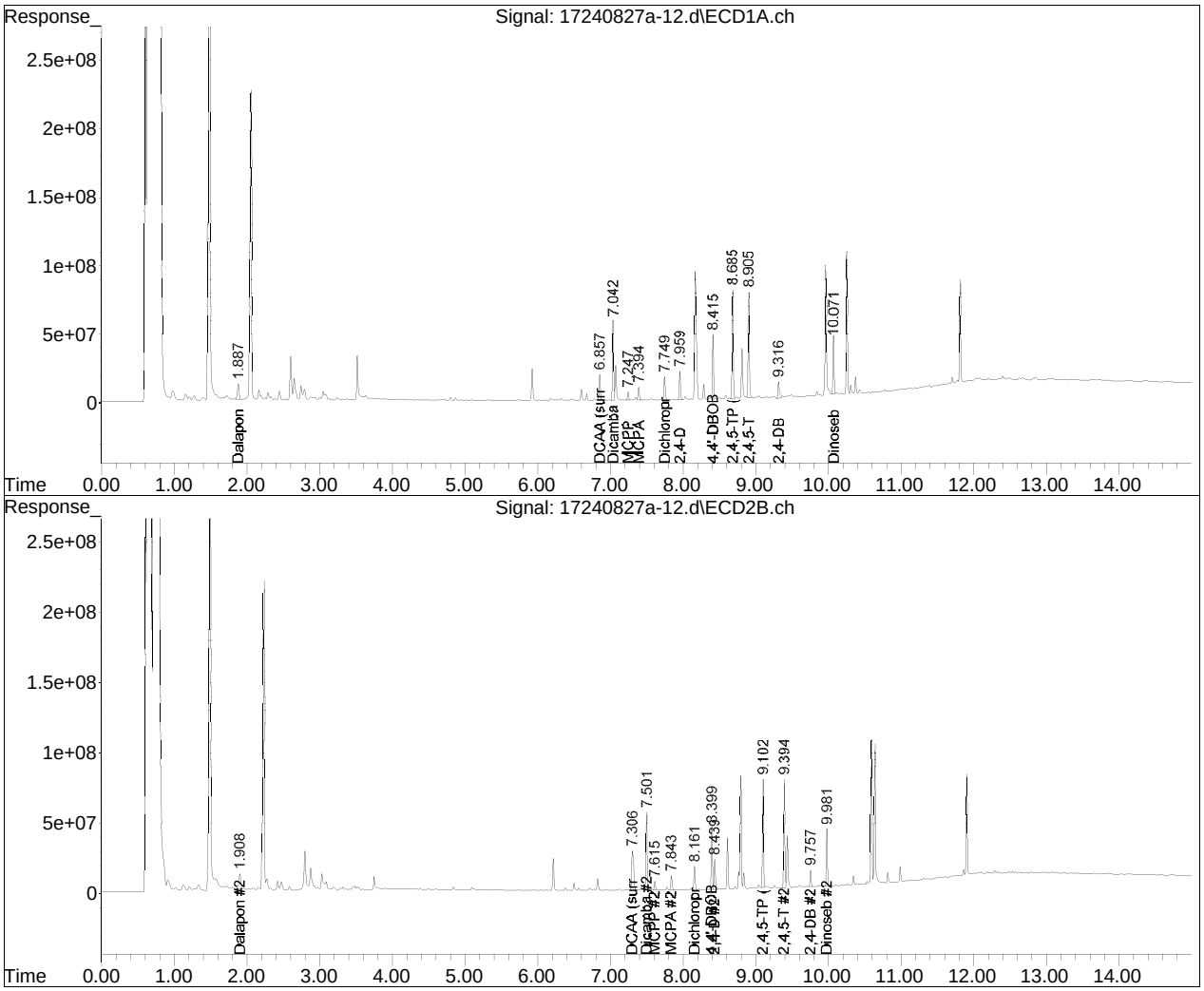
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-12.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:17
Operator : PEST17:jag
Sample : WG1963640-6,42,, ms
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:20 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

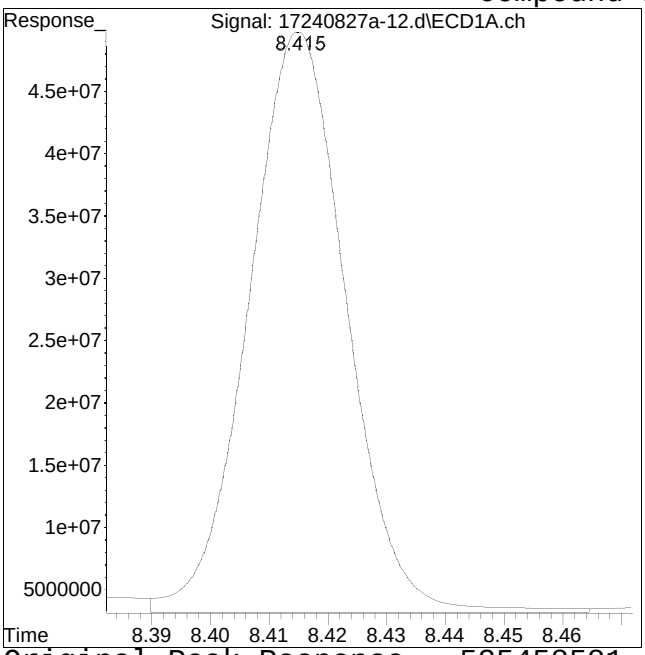
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

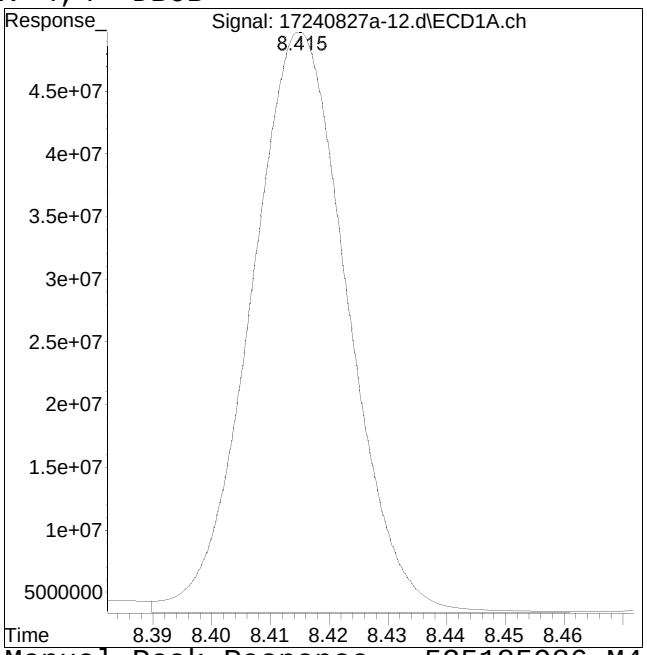


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



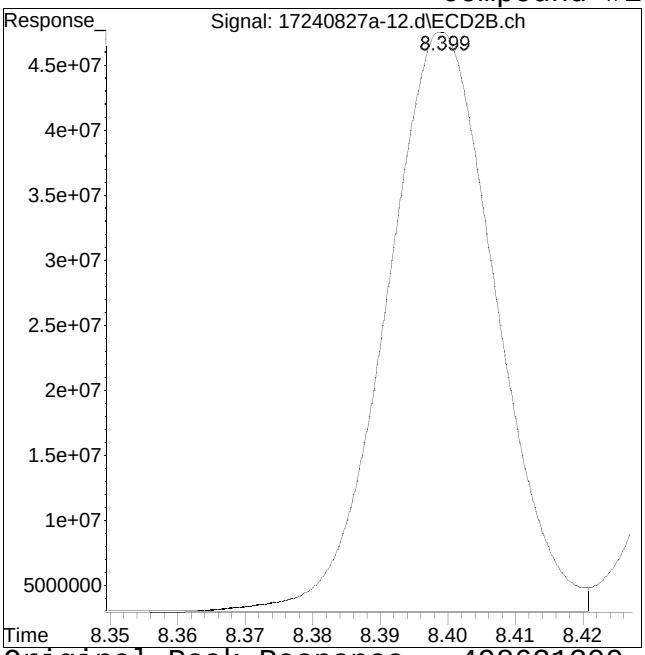


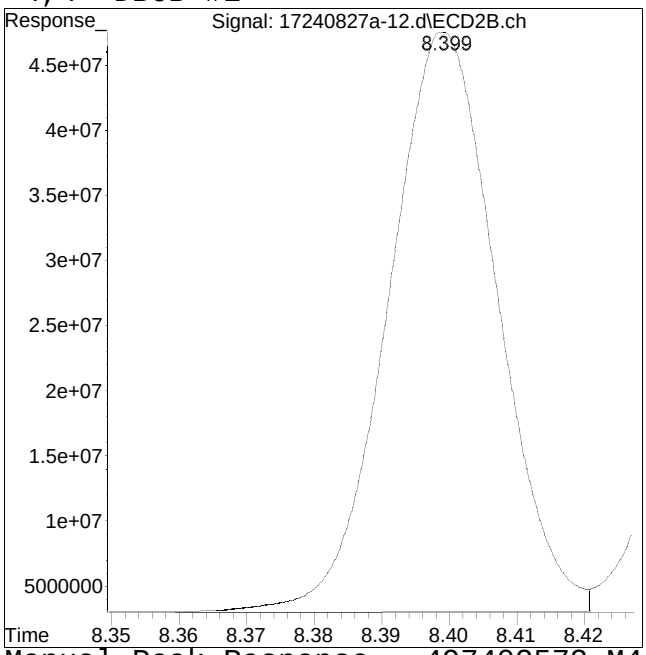
Original Peak Response = 535458581 Manual Peak Response = 525185986 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #14: 4,4'-DBOB #2



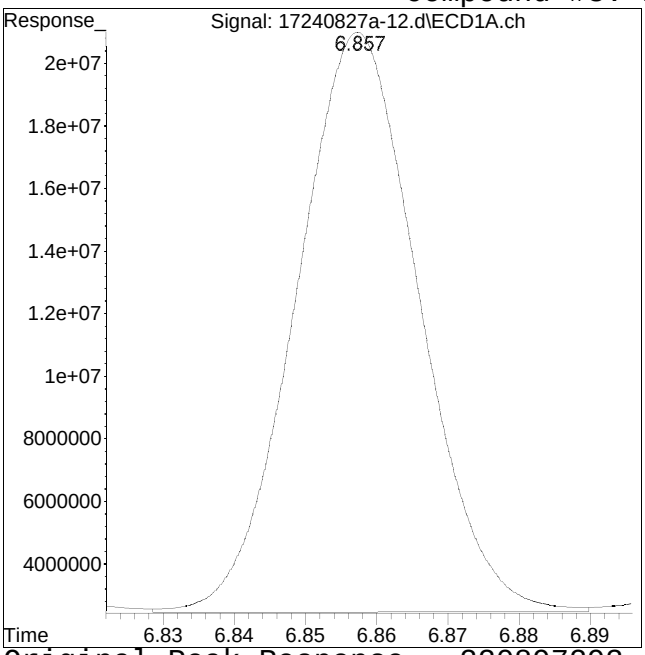


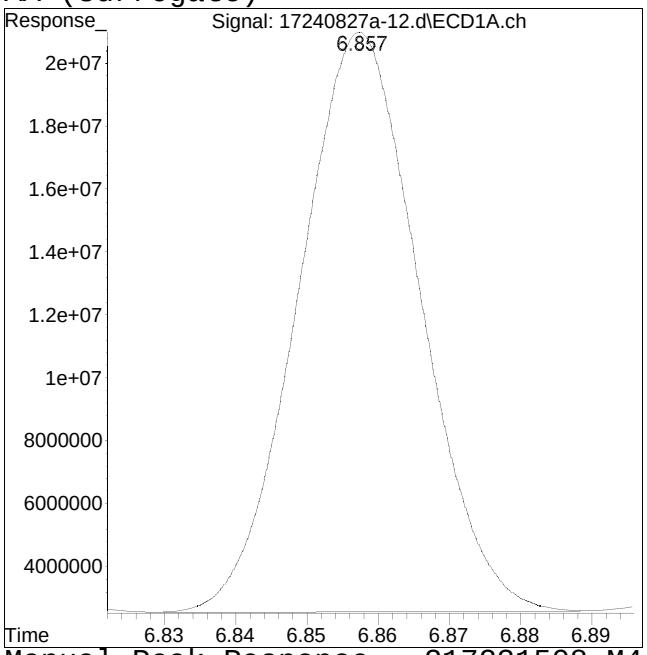
Original Peak Response = 498631300 Manual Peak Response = 497402572 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



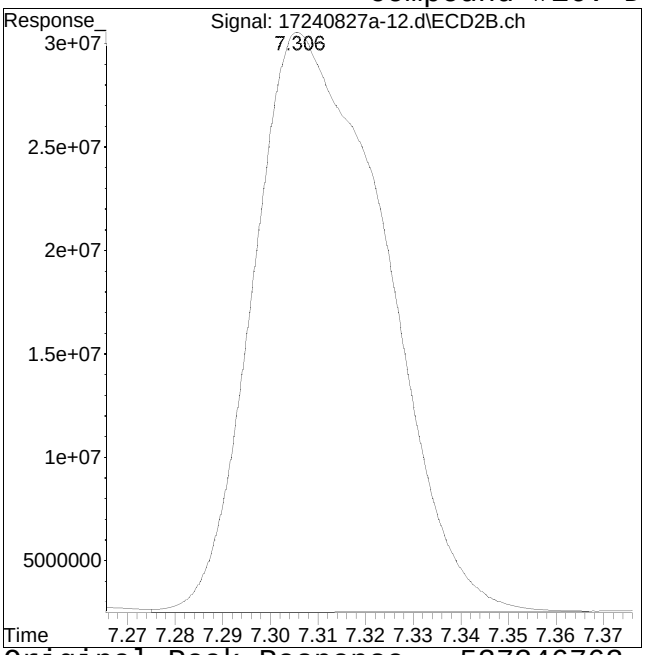


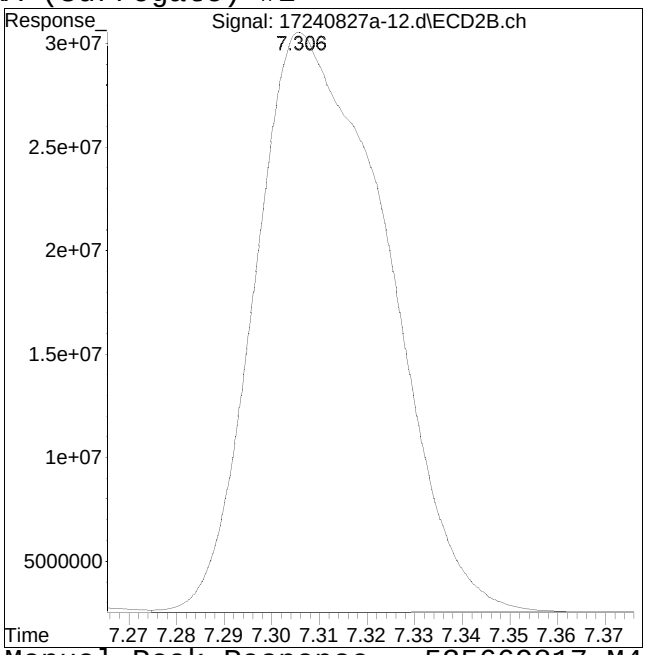
Original Peak Response = 220897293 Manual Peak Response = 217231508 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



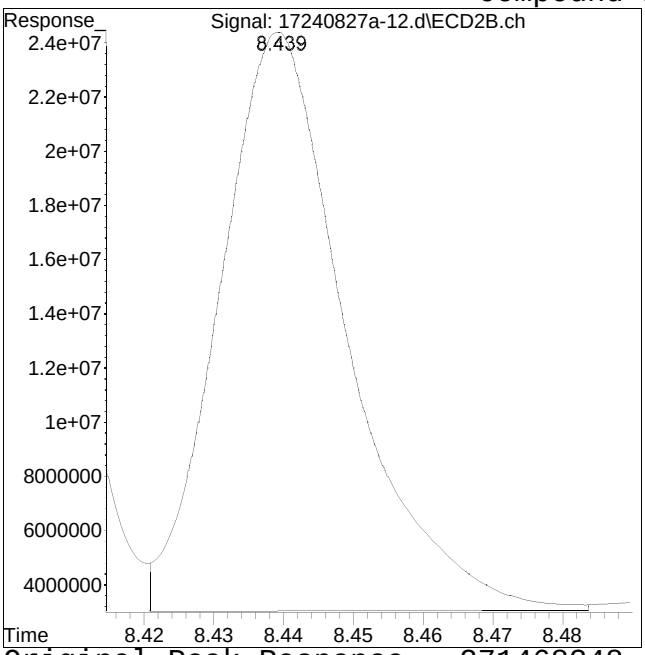


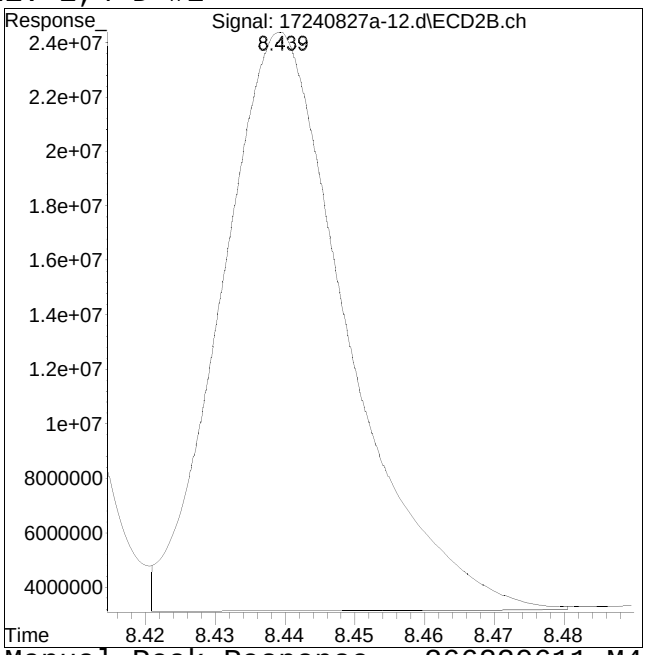
Original Peak Response = 537346763 Manual Peak Response = 535669817 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #21: 2,4-D #2



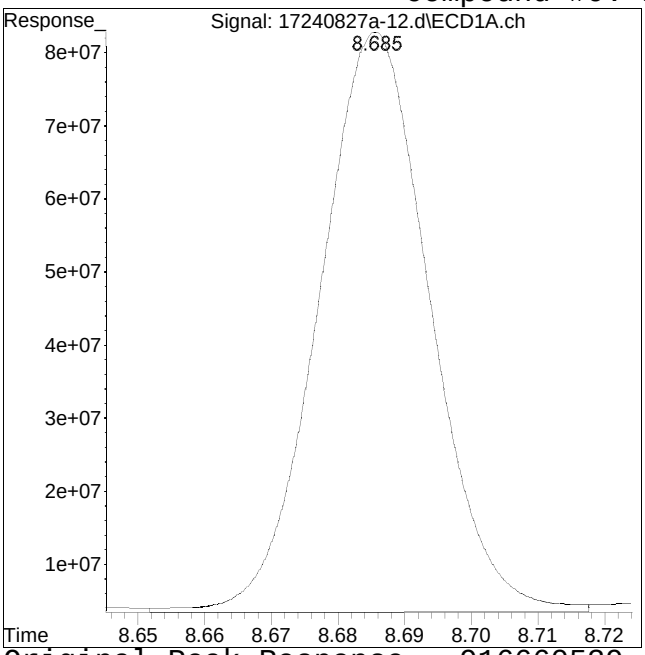


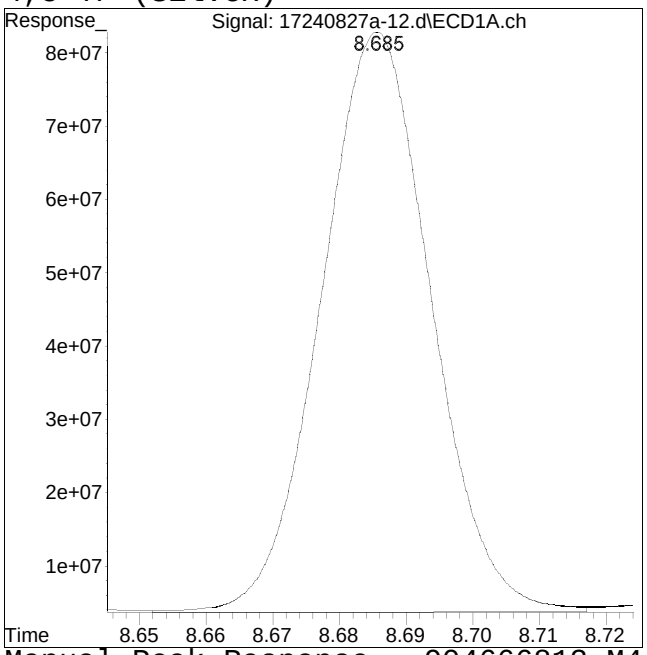
Original Peak Response = 271468348 Manual Peak Response = 266220611 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



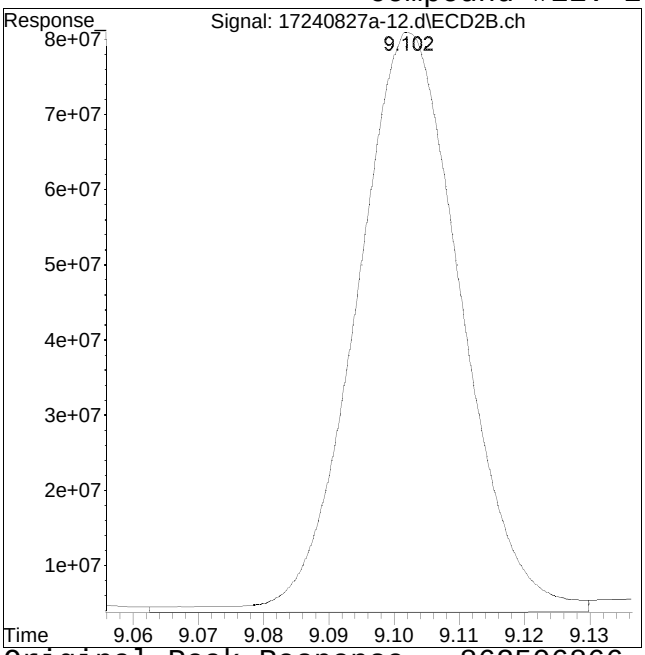


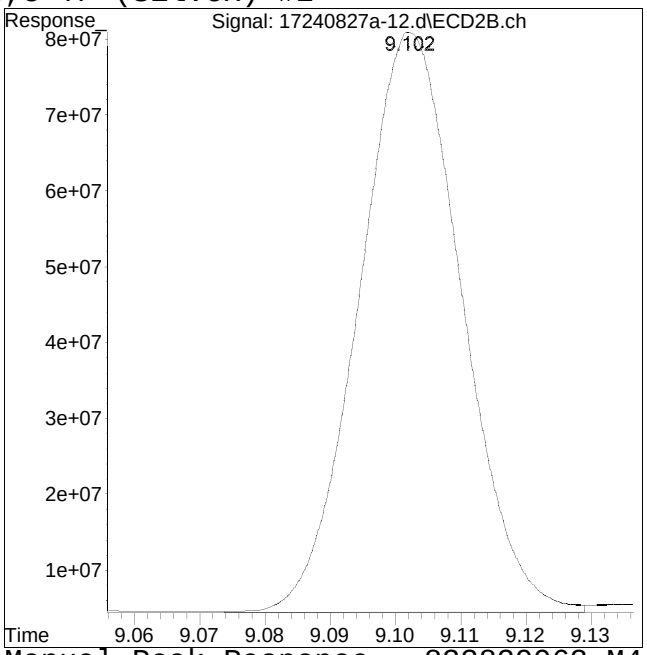
Original Peak Response = 916660539 Manual Peak Response = 904666813 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



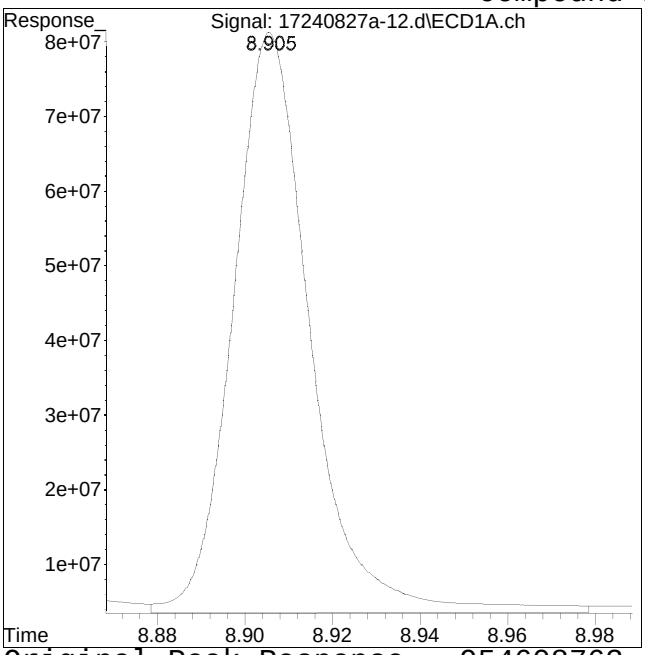


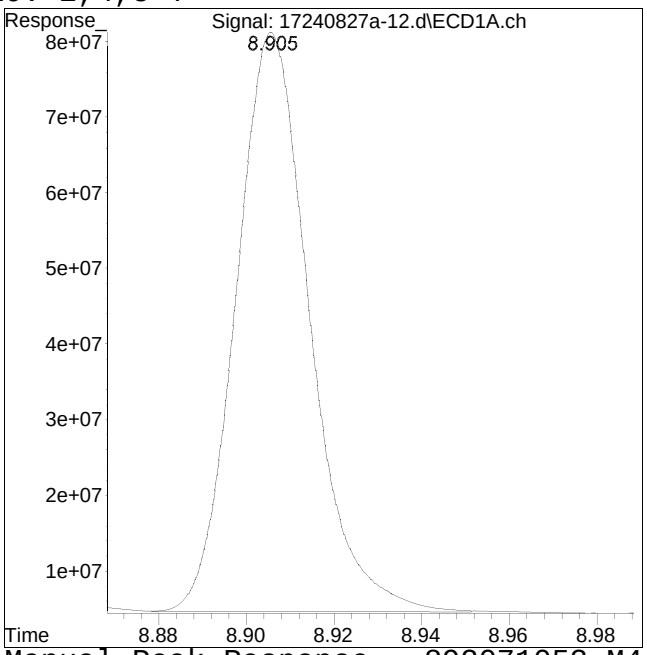
Original Peak Response = 862506866 Manual Peak Response = 833829963 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



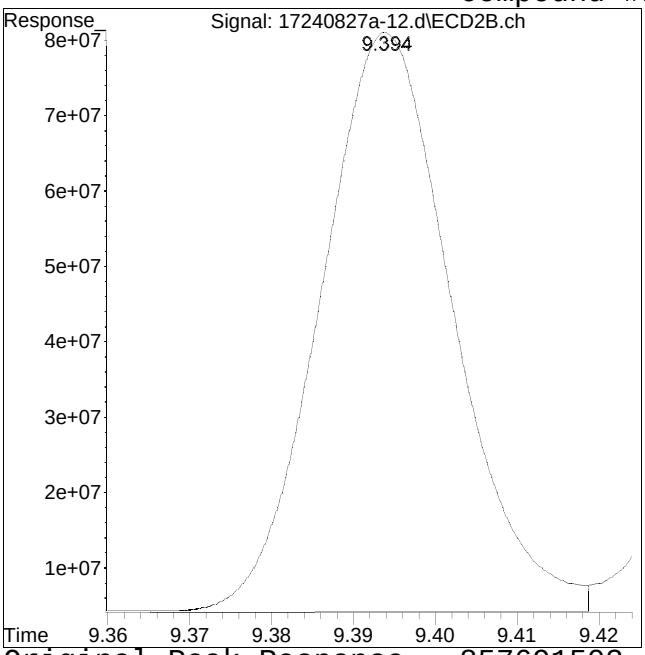


Original Peak Response = 954608763 Manual Peak Response = 892071053 M4
M4 = Poor automated baseline construction.

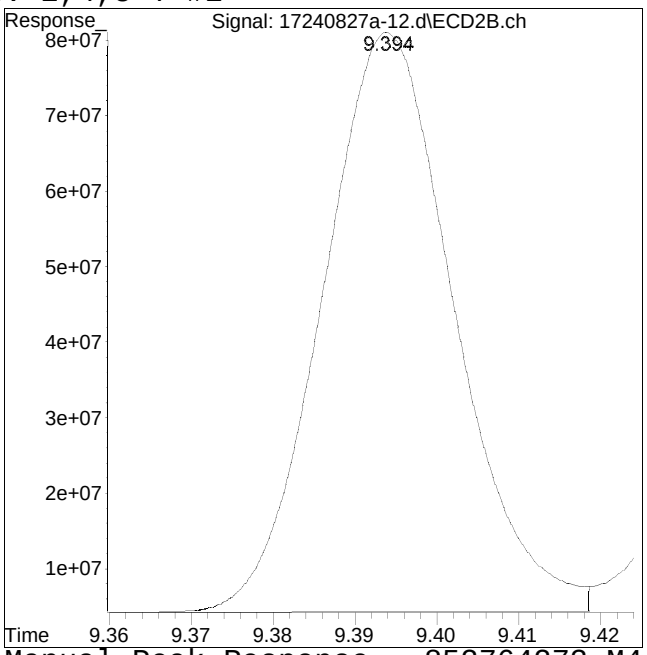
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-12.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:17 Instrument : Pest 17
Sample : WG1963640-6,42,, ms Quant Date : 8/27/2024 6:32 pm

Compound #23: 2,4,5-T #2



Original Peak Response = 857691503



Manual Peak Response = 852764273 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:35
Operator : PEST17:jag
Sample : WG1963640-7,42,, msd
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:22 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PEST\Pest17\2024\240827A\17240827a-01.d
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	mg/l	mg/l
	Internal Standards						
1) i	4,4'-DBOB	8.415	8.400	527.4E6	498.7E6	0.250M4	0.250
	Standard Area 1 : #1 = 668945640				Recovery =	78.83%	
	Standard Area 1 : #2 = 630488988				Recovery =	79.10%	
	System Monitoring Compounds						
3) s	DCAA (surrog	6.857	7.305f	193.2E6	540.2E6	0.558M4	1.327M4
	Spiked Amount	0.500	Range 30 - 150		Recovery =	111.60%	265.40%#
	Target Compounds						
8) t	2,4-D	7.960	8.440	241.6E6	261.9E6	0.652	0.571
9) t	2,4,5-TP (Si	8.685	9.103	887.7E6	814.0E6	0.637M4	0.494M3
10) t	2,4,5-T	8.906	9.395	866.2E6	839.5E6	0.677M4	0.532
	SemiQuant Compounds - Not Calibrated on this Instrument						

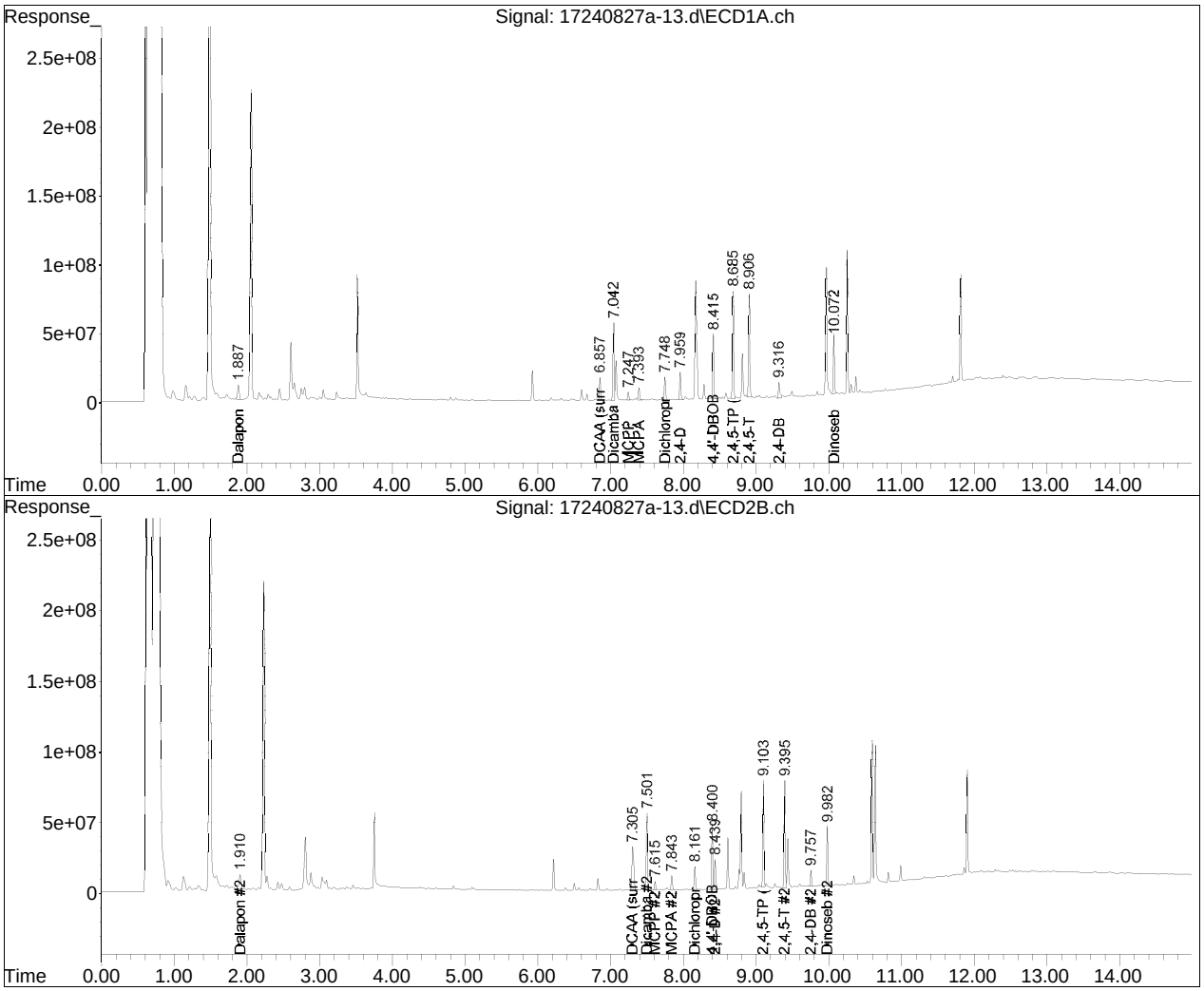
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedA\17240827a-01.d•

Data Path : I:\PEST\Pest17\2024\240827A\
Data File : 17240827a-13.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Aug 2024 11:35
Operator : PEST17:jag
Sample : WG1963640-7,42,, msd
Misc : wg1964271,WG1963640,ical21289
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 18:32:22 2024
Quant Method : I:\PEST\Pest17\2024\240827A\Herb17_2024_07_12_ICAL21289.m
Quant Title : herb
QLast Update : Tue Aug 27 07:03:30 2024
Response via : Initial Calibration
Integrator: ChemStation

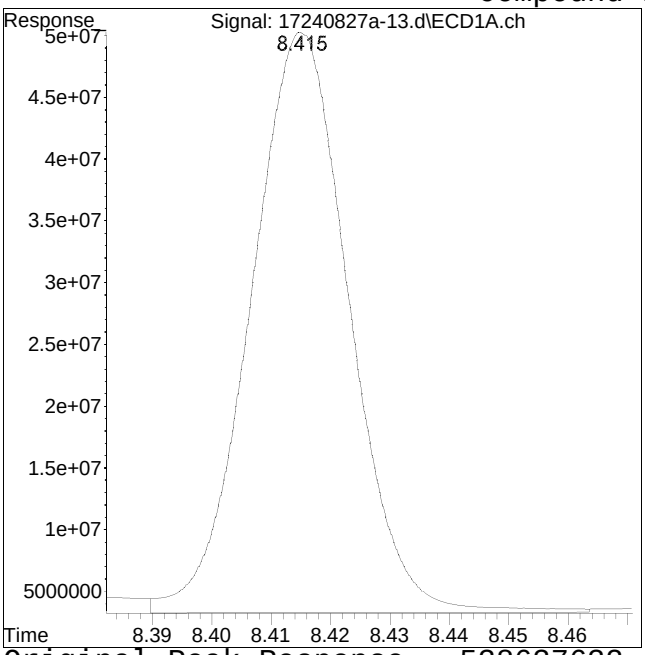
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

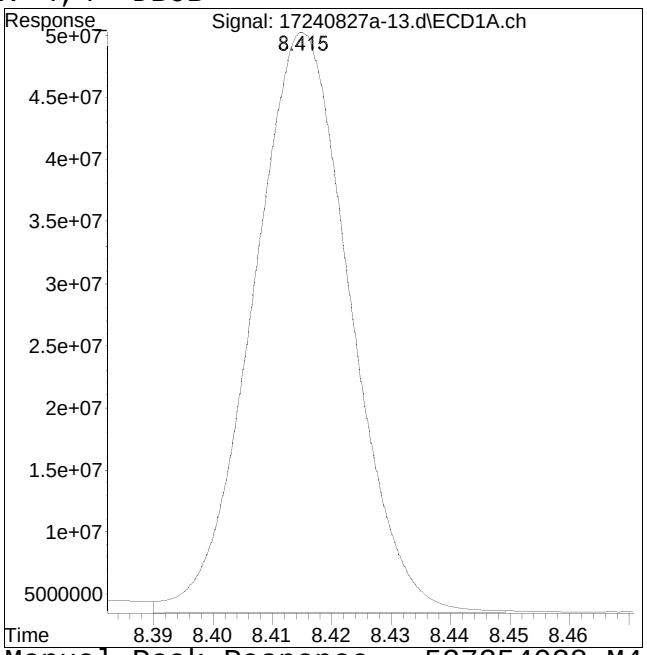


Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #1: 4,4'-DBOB



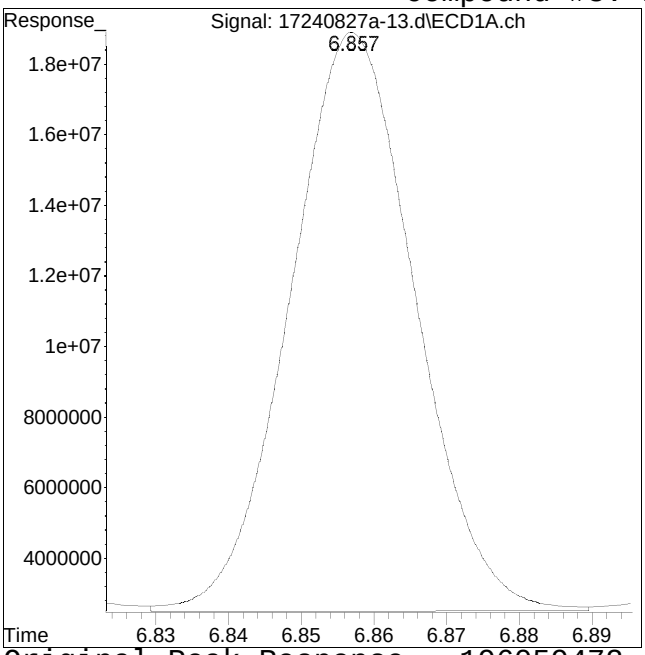


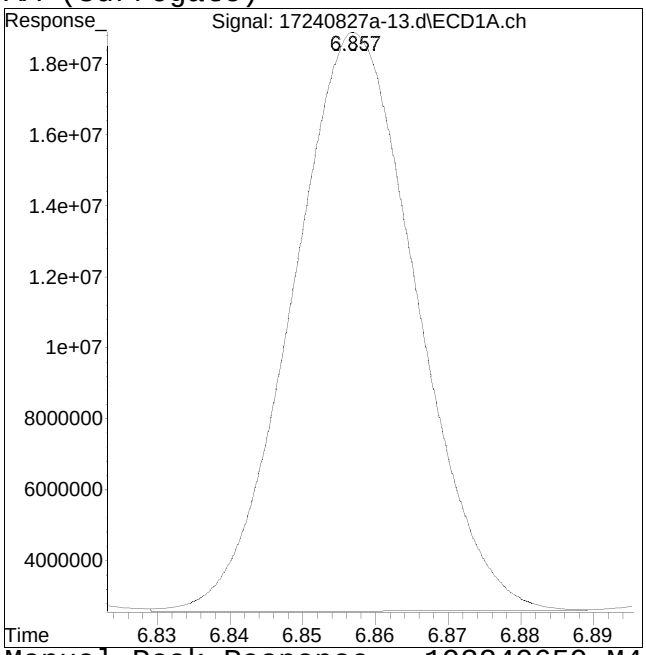
Original Peak Response = 538637632 Manual Peak Response = 527354028 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #3: DCAA (surrogate)



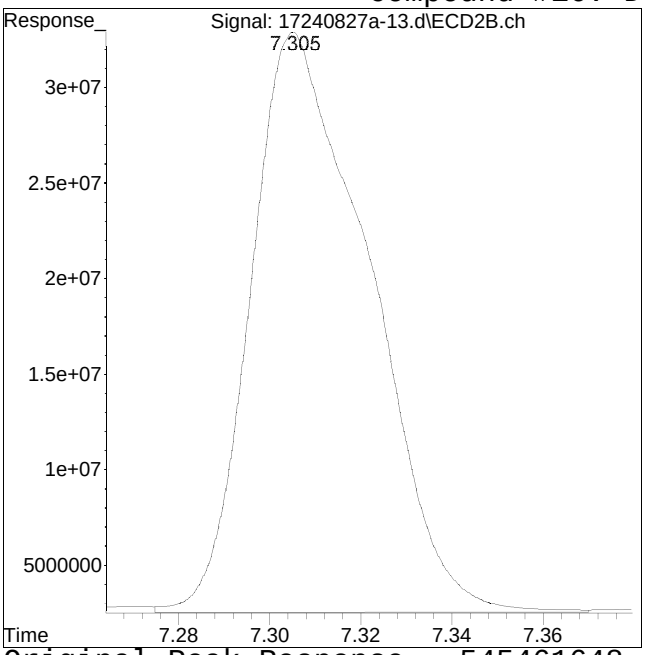


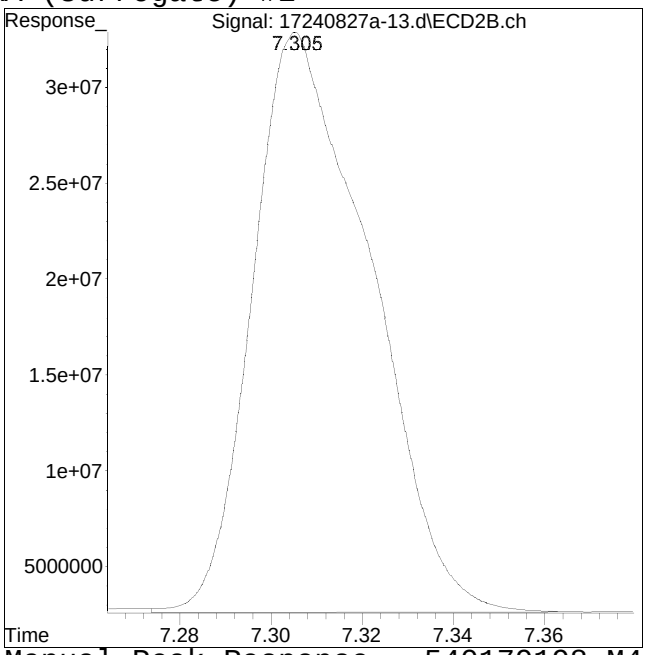
Original Peak Response = 196059472 Manual Peak Response = 193240659 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #16: DCAA (surrogate) #2



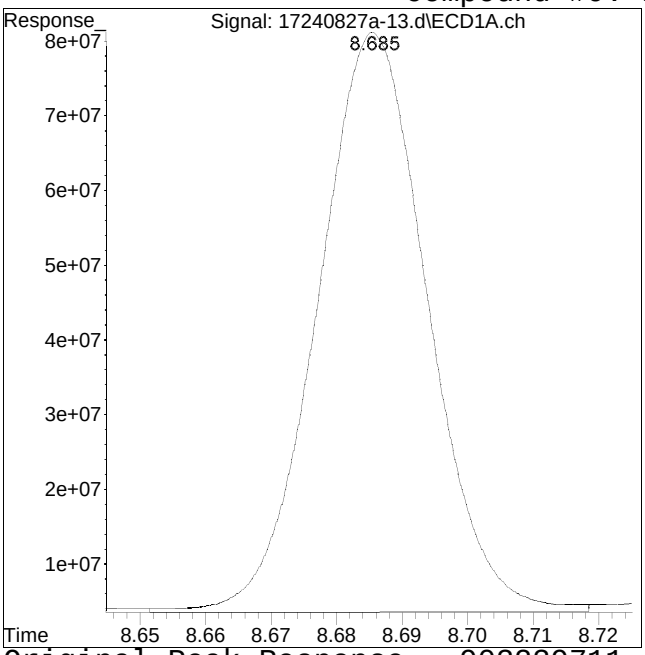


Original Peak Response = 545461648 Manual Peak Response = 540179198 M4
M4 = Poor automated baseline construction.

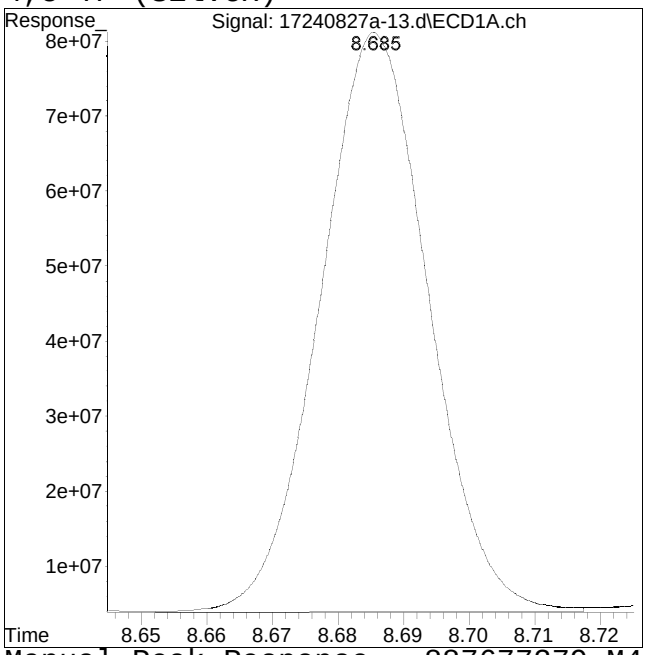
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #9: 2,4,5-TP (Silvex)



Original Peak Response = 903239711



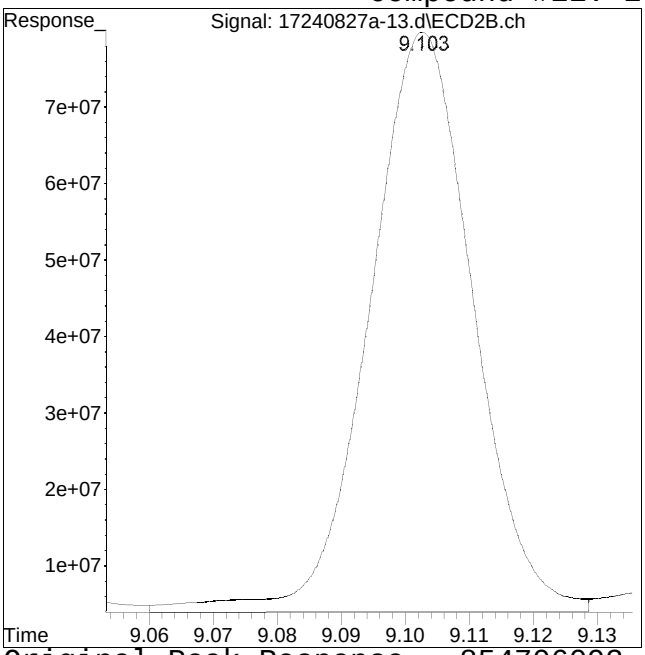
Manual Peak Response = 887677379 M4

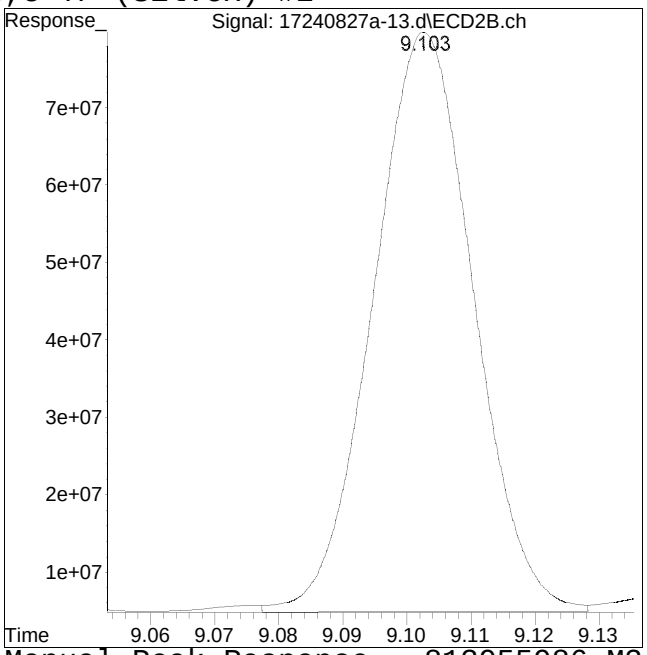
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #22: 2,4,5-TP (Silvex) #2



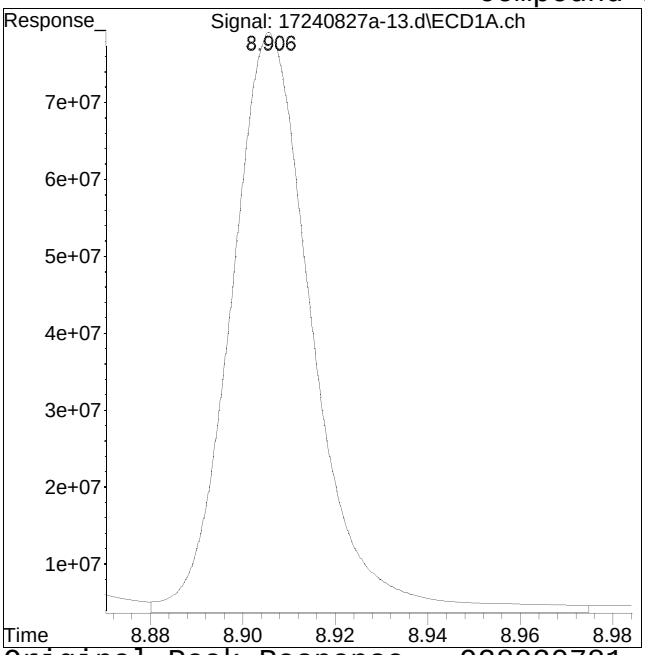


Original Peak Response = 854706093 Manual Peak Response = 813955986 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

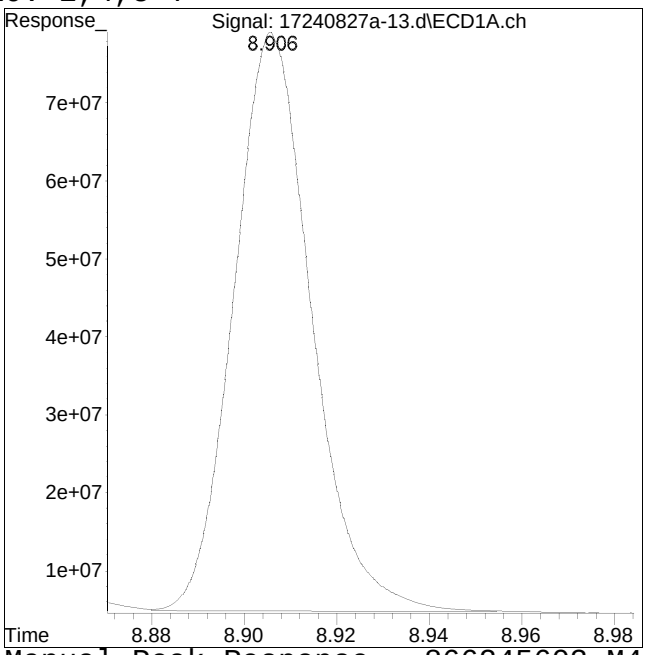
Manual Integration Report

Data Path : I:\PEST\Pest17\2024\240827QMethod : Herb17_2024_07_12_ICAL21
Data File : 17240827a-13.d Operator : PEST17:jag
Date Inj'd : 8/27/2024 11:35 Instrument : Pest 17
Sample : WG1963640-7,42,, msd Quant Date : 8/27/2024 6:32 pm

Compound #10: 2,4,5-T



Original Peak Response = 928020781



Manual Peak Response = 866245603 M4

M4 = Poor automated baseline construction.

Calculation of Herbicides

Aqueous Concentration Formula:
ug/L = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Vs)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Vs – Initial volume extracted (mL)
RF – Mean response factor

Soil/Solid Concentration Formula:
ug/kg = [(As)*(Cis)*(D)*Vf]/[(Ais)*(RF)*(Ws)*1000]

Where:
As – Peak area of analyte
Ais – Peak area of internal standard
Cis – Concentration of internal standard (ug/L)
D – Dilution factor (D=1 for no dilution)
Vf – Final extract volume (mL)
Ws – Initial weight extracted (g)
RF – Mean response factor

Dep.: PEST
Inst: Pest_17
Date: **07/12/24**
Run: **ical**

Method: 8151
GC: Herb

Seq: WG1947140
IS: pp11555

Vial	Data File	Sample	CCAL	notes	screen	initials
1	17240712i-01	blank,42e,,pp 11555	---			
2	17240712i-02	il1herb,42e,,pp 11633	L0.005/5			PEG 7/13
3	17240712i-03	il2herb,42e,,pp 11632	L0.1/10			PEG 7/13
4	17240712i-04	il3herb,42e,,pp 11631	L0.2/20			PEG 7/13
5	17240712i-05	il4herb,42e,,pp 11630	L0.5/50			PEG 7/13
6	17240712i-06	il5herb,42e,,pp 11629	L1/100			PEG 7/13
7	17240712i-07	il6herb,42e,,pp 11628	L2/200			PEG 7/13
8	17240712i-08	cicv,42e,,pp 11634	L0.2/20 ICV			PEG 7/13

Dep.: PEST
Inst: Pest_22
Date: **07/16/24**
Run: ical

Method: 8151
GC: Herb

Seq: WG1947963
IS: pp11555

Vial	Data File	Sample	CCAL	notes	screen	initials
1	22240716i-01	blank,42e,,pp 11555 ---				
2	22240716i-02	il1herb,42e,,pp 11633 L0.005/5				EJL 7/16
3	22240716i-03	il2herb,42e,,pp 11632 L0.1/10				EJL 7/16
4	22240716i-04	il3herb,42e,,pp 11631 L0.2/20				EJL 7/16
5	22240716i-05	il4herb,42e,,pp 11630 L0.5/50				EJL 7/16
6	22240716i-06	il5herb,42e,,pp 11629 L1/100				EJL 7/16
7	22240716i-07	il6herb,42e,,pp 11628 L2/200				EJL 7/16
8	22240716i-08	cicv,42e,,pp 11634 L0.2/20 ICV		15%		EJL 7/16

Dep.: PEST
Inst: PEST_17
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964271
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	17240827a-01	herb11705	a: dala, dichloro, 245t, dino high, mcpa low, b: 245t low, 6:09			PEG 8/27
2	17240827a-02	WG1963640-1,42,,				JAG 8/27
3	17240827a-03	WG1963640-2,42,,				JAG 8/27
4	17240827a-04	WG1963640-3,42,,				JAG 8/27
5	17240827a-05	L2447503-01,42,,				JAG 8/27
6	17240827a-06	L2447503-02,42,,				JAG 8/27
7	17240827a-07	L2447503-03,42,,				JAG 8/27
8	17240827a-08	L2447503-04,42,,				JAG 8/27
9	17240827a-09	L2447503-05,42,,				JAG 8/27
10	17240827a-10	L2447503-06,42,,				JAG 8/27
11	17240827a-11	L2447503-07,42,, p				JAG 8/27
12	17240827a-12	WG1963640-6,42,, ms				JAG 8/27
13	17240827a-13	WG1963640-7,42,, msd				JAG 8/27
14	17240827a-14	L2447503-08,42,,				JAG 8/27
15	17240827a-15	L2447503-09,42,,				JAG 8/27
16	17240827a-16	L2447503-10,42,,				JAG 8/27
17	17240827a-17	herb11705	a: dala, 245t, dino high, mcpp, mcpa low, b: 15%, 12:49			JAG 8/27
18	17240827a-18	L2447890-09,42,,				JAG 8/27
19	17240827a-19	L2447890-10,42,,			peg	JAG 8/27
20	17240827a-20	L2447124-03,42,, t rv nyb	t 23-AUG-24 19:26		ejl	JAG 8/27

Dep.: PEST
Inst: PEST_22
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964358
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	22240827a-01	herb11705	a: 24d, 245r, dino high, b: mcpp low, 6:09			PEG 8/27
2	22240827a-02	WG1963668-1,42,, t	t 25-aug-24 06:14			MMG 8/27
3	22240827a-03	WG1963668-2,42,, t	t 25-aug-24 06:14			MMG 8/27
4	22240827a-04	WG1963668-3,42,, t	t 25-aug-24 06:14			MMG 8/27
5	22240827a-05	L2447336-01,42,, t	t 25-aug-24 06:14			MMG 8/27
6	22240827a-06	L2447336-02,42,, t	t 25-aug-24 06:14			MMG 8/27
7	22240827a-07	L2447524-01,42,, t	t 25-aug-24 06:14			MMG 8/27
8	22240827a-08	L2447361-01,42,, t	t 25-aug-24 06:14			MMG 8/27
9	22240827a-09	L2447361-02,42,, t	t 25-aug-24 06:14			MMG 8/27
10	22240827a-10	L2445879-01,42,, t	t 25-aug-24 06:14			MMG 8/27
11	22240827a-11	L2445879-02,42,, t	t 25-aug-24 06:14			MMG 8/27
12	22240827a-12	L2445879-03,42,, t	t 25-aug-24 06:14			MMG 8/27
13	22240827a-13	L2445879-04,42,, t	t 25-aug-24 06:14			MMG 8/27
14	22240827a-14	L2445879-05,42,, t	t 25-aug-24 06:14			MMG 8/27
15	22240827a-15	herb11705	a: 245t high, 14:34			MMG 8/27
16	22240827a-16	L2445879-06,42,, p t	t 25-aug-24 06:14			MMG 8/27
17	22240827a-17	WG1963668-4,42,, ms t	t 25-aug-24 06:14			MMG 8/27
18	22240827a-18	WG1963668-5,42,, msd t	t 25-aug-24 06:14			MMG 8/27
19	22240827a-19	L2445879-07,42,, t	t 25-aug-24 06:14			JAG 8/27
20	22240827a-20	L2445879-08,42,, t	t 25-aug-24 06:14			JAG 8/27
21	22240827a-21	L2445879-09,42,, t	t 25-aug-24 06:14			JAG 8/27
22	22240827a-22	L2445879-10,42,, t	t 25-aug-24 06:14		mmg	JAG 8/27
23	22240827a-23	WG1963883-1,42,, 882				MMG 8/28
24	22240827a-24	WG1963883-2,42,, 882				MMG 8/28
25	22240827a-25	WG1963883-3,42,, 882				MMG 8/28
26	22240827a-26	L2447479-11,42,,				MMG 8/28
27	22240827a-27	L2447479-12,42,,				MMG 8/28
28	22240827a-28	L2447479-13,42,,				MMG 8/28
29	22240827a-29	L2447479-14,42,,				MMG 8/28
30	22240827a-30	L2447479-15,42,,				MMG 8/28
31	22240827a-31	herb11705	a: dino low, b: mcpp low, 23:58			MMG 8/28
32	22240827a-32	L2447479-16,42,,				MMG 8/28
33	22240827a-33	L2447479-17,42,,				MMG 8/28
34	22240827a-34	L2447479-18,42,,				MMG 8/28
35	22240827a-35	L2447479-19,42,,				MMG 8/28
36	22240827a-36	L2447840-02,42,,				MMG 8/28
37	22240827a-37	L2447840-03,42,,				MMG 8/28
38	22240827a-38	L2447840-04,42,,				MMG 8/28
39	22240827a-39	L2447840-05,42,,				MMG 8/28
40	22240827a-40	L2447840-06,42,,				MMG 8/28
41	22240827a-41	L2447840-07,42,,				MMG 8/28
42	22240827a-42	herb11705	a: dino low, b: IS high, 3:22			MMG 8/28
43	22240827a-43	L2447840-08,42,,				MMG 8/28
44	22240827a-44	L2447352-01,42,,				MMG 8/28

Dep.: PEST
Inst: PEST_22
Date: **08/27/24**
Run: a

Method
GC: herb

Seq: wg1964358
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
45	22240827a-45	L2447361-01,42,,				MMG 8/28
46	22240827a-46	L2447361-02,42,,			jag	MMG 8/28
47	22240827a-47	WG1963954-1,42,, 956 mcp				MMG 8/28
48	22240827a-48	WG1963954-2,42,, 956 mcp	102			MMG 8/28
49	22240827a-49	WG1963954-3,42,, 956 mcp	102			MMG 8/28
50	22240827a-50	L2447343-01,42,,				MMG 8/28
51	22240827a-51	L2447343-02,42,,				MMG 8/28
52	22240827a-52	L2447343-03,42,,				MMG 8/28
53	22240827a-53	L2447343-04,42,,				MMG 8/28
54	22240827a-54	L2447343-05,42,,				MMG 8/28
55	22240827a-55	herb11705	a: dino low, b: IS high, 7:24			MMG 8/28
56	22240827a-56	L2447343-06,42,,				MMG 8/28
57	22240827a-57	L2447343-07,42,,				MMG 8/28
58	22240827a-58	L2447305-01,42,, mcp				MMG 8/28
59	22240827a-59	L2447305-02,42,, mcp				MMG 8/28
60	22240827a-60	L2447305-03,42,, mcp				MMG 8/28
61	22240827a-61	L2447305-04,42,, mcp				MMG 8/28
62	22240827a-62	L2447305-05,42,, mcp				MMG 8/28
63	22240827a-63	L2447305-06,42,, mcp				MMG 8/28
64	22240827a-64	L2447305-10,42,, mcp				MMG 8/28
65	22240827a-65	L2447305-11,42,, mcp				MMG 8/28
66	22240827a-66	herb11705	a: dino low, b: mcpp, mcpa low, 10:49			MMG 8/28
67	22240827a-67	L2447305-12,42,, mcp				MMG 8/28
68	22240827a-68	L2447305-13,42,, mcp				MMG 8/28
69	22240827a-69	L2447305-07,42,, mcp				MMG 8/28
70	22240827a-70	L2447305-08,42,, mcp				MMG 8/28
71	22240827a-71	L2447305-09,42,, mcp			sid	MMG 8/28
72	22240827a-72	WG1964243-1,42,, 244				MMG 8/28
73	22240827a-73	WG1964243-2,42,, 244				MMG 8/28
74	22240827a-74	WG1964243-3,42,, 244				MMG 8/28
75	22240827a-75	L2447479-01,42,,				MMG 8/28
76	22240827a-76	L2447503-11,42,,			sid	MMG 8/28

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 02:32 pm

Work Group: WG1963640 for Department: 2 Organic Preparation

Created: 25-AUG-24 Due: Operator: YDA

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-01	MW-1S	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-02	MW-2S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-03	MW-3S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-04	MW-4D	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-05	MW-5S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-06	MW-6D	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-07	MW-7S	S	HERB-APA	WATER	DONE	U	0826	0827	S0	Amber-A1
L2447503-08	MW-8S	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-09	DUP	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447503-10	FIELD BLANK	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447890-01	MW-3A	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-02	MW-6A	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-03	MW-6B	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-04	MW-6C	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-05	MW-7A	S	HERB-APA	WATER	DONE	U	0827	0828	S0	Amber-A1
L2447890-06	MW-7B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-07	MW-7C	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-08	MW-8A	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-09	MW-8B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-10	MW-8C2	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
WG1963640-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG1963640-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG1963640-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				
WG1963640-4	Matrix Spike	S	HERB-APA	WATER	DONE	U				
WG1963640-5	Matrix Spike Duplica	S	HERB-APA	WATER	DONE	U				
WG1963640-6	Matrix Spike	S	HERB-APA	WATER	DONE	U				
WG1963640-7	Matrix Spike Duplica	S	HERB-APA	WATER	DONE	U				

Comments:

WG1963640-3	WG1963640-2
WG1963640-4	L2447890-03
WG1963640-5	L2447890-03
WG1963640-6	L2447503-07
WG1963640-7	L2447503-07

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 28 2024, 02:32 pm

Work Group: WG1964244 for Department: 2 Organic Preparation

Created: 27-AUG-24 Due: Operator: MAD

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447503-11	EQUIPMENT BLANK	S	HERB-APA	WATER	DONE	U	0827	0827	S0	Amber-A1
L2447890-11	MW-9B	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-12	DUP	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
L2447890-13	FIELD BLANK	S	HERB-APA	WATER	DONE	U	0828	0828	S0	Amber-A1
WG1964244-1	Laboratory Method Bl	S	HERB-APA	WATER	DONE	U				
WG1964244-2	Laboratory Control S	S	HERB-APA	WATER	DONE	U				
WG1964244-3	LCS Duplicate	S	HERB-APA	WATER	DONE	U				

Comments:

WG1964244-3 WG1964244-2

ORGANIC ELN REPORT

Workgroup: WG1963640

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** SHBR7337
Surrogate Type: Herbicide **Lot #:** PP11638aa,01/02/2025,3c,25,3
Spike Type: Herbicides **Lot #:** PP11709ag,01/26/2025,5l,10,3
Spike Verify by: YDA
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A081124
25% NaOH	Na072424
Acidified Na2SO4	AS082524
DCM	EJ049
Diethyl ether	SHBR7337
Na2S2O3	N/A
NaCl	24C2556110

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: SHBR7337

Additional Reagents/Stds

Acidified Na2SO4	AS082624
Diazomethane	D082624
Hexane	EI962
Isooctane	STBK8849
Methanol	64039
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume ml	Methylation Date	ml ml	Conc Unit
L2447503-01 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-02 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-03 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-04 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-05 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-06 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

Reported: 28-AUG-24 02:32 PM

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2447503-07 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-08 SAMP	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-09 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447503-10 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447890-01 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-02 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-03 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-04 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-05 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-06 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7

Reported: 28-AUG-24 02:32 PM

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
L2447890-07 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-08 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:51	10	S-EVAP-G#N7
L2447890-09 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
L2447890-10 SAMP	08/25/24 20:04	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-1 BLANK	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5		08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-2 LCS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-3 LCSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-4 MS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-5 MSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7
WG1963640-6 MS	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

ORGANIC ELN REPORT

Workgroup: WG1963640

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
WG1963640-7 MSD	08/25/24 17:54	Yaw Adu	1000	>12,<2	N/A	.5	.5	08/25/24 19:20	08/25/24 20:50	08/26/24 21:42	Frederick Opoku	0.5	08/26/24 22:59	10	S-EVAP-G#N7

ORGANIC ELN REPORT

Workgroup: WG1964244

Prep Method: EPA 8151A
Solvent Type: Diethyl ether **Lot #:** SHBR7337
Surrogate Type: Herbicide **Lot #:** PP11710AQ-012625
Spike Type: Herbicides **Lot #:** PP11709AG-012625
Spike Verify by: MAD
Lims Spikelot: HERB8151

Additional Reagents/Stds

12N H2SO4	12A081124
25% NaOH	Na072424
Acidified Na2SO4	AS082624
DCM	EJ049
Diethyl ether	SHBR7337
Na2S2O3	1GG0632
NaCl	24C2556110

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Diethyl ether
Lot #: SHBR7337

Additional Reagents/Stds

Acidified Na2SO4	AS082724
Diazomethane	D082624
Hexane	EI962
Isooctane	STBK8849
Methanol	64039
Silicic Acid	MKCL9565

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Extraction | **Concentration**

Sample/ Type	Extract Date	Analyst	Sample Vol ml	Ph	Trc Check	Surr Amt ml	Spike Amt ml	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume ml	Methylation Date	ml ml	Conc Unit
L2447503-11 SAMP	08/27/24 15:10	George Nantwi	1000	>12, <2	-	.5		08/27/24 16:30	08/27/24 18:00	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
L2447890-11 SAMP	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
L2447890-12 SAMP	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
L2447890-13 SAMP	08/27/24 07:53	Michael Daring	800	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/28/24 03:00	Frimpong Agyen	0.5	08/28/24 05:55	10	S-EVAP-G#N7
	Reduced volume due to container														
WG1964244-1 BLANK	08/27/24 07:53	Michael Daring	1000	>12, <2	-	.5		08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
	WG1964243														

Reported: 28-AUG-24 02:32 PM

ORGANIC ELN REPORT

Workgroup: WG1964244

Sample/ Type	Extraction									Concentration					
	Extract Date	Analyst	Sample Vol **ml**	Ph	Trc Check	Surr Amt **ml**	Spike Amt **ml**	Hydrolysis Start	Hydrolysis Stop	Conc Date	Analyst	Conc Volume **ml**	Methylation Date	ml **ml**	Conc Unit
WG1964244-2 LCS	08/27/24 07:53 **WG1964243**	Michael Daring	1000	>12, <2	-	.5	.5	08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7
WG1964244-3 LCSD	08/27/24 07:53 **WG1964243**	Michael Daring	1000	>12, <2	-	.5	.5	08/27/24 09:11	08/27/24 10:41	08/27/24 21:35	Frederick Opoku	0.5	08/27/24 22:15	10	S-EVAP-G#N7

Reported: 28-AUG-24 02:32 PM

GC Extractable Analysis Polychlorinated Biphenyls (PCB)

Aroclor QC Summary

Surrogate Recovery Summary
Form 2
PCBs

Client: Alpha Geoscience
Project Name: HUNTINGTON READY MIX

Lab Number: L2447503
Project Number: 20116
Matrix: Water

GC Column 1: CLP-Pesticide
GC Column 2: CLP-PesticideII

CLIENT ID (LAB SAMPLE NO.)	TCX 1 %REC	TCX 2 %REC	DCB 1 %REC	DCB 2 %REC	OTHER (1)	OTHER (2)	TOT OUT
MW-1S (L2447503-01)	67	70	68	78			0
MW-2S (L2447503-02)	75	79	84	89			0
MW-3S (L2447503-03)	78	79	86	97			0
MW-4D (L2447503-04)	79	81	83	89			0
MW-5S (L2447503-05)	77	78	86	93			0
MW-6D (L2447503-06)	79	78	86	95			0
MW-7S (L2447503-07)	78	79	87	91			0
MW-8S (L2447503-08)	81	84	92	95			0
DUP (L2447503-09)	81	84	89	97			0
FIELD BLANK (L2447503-10)	80	81	82	85			0
EQUIPMENT BLANK (L2447503-11)	83	84	64	66			0
WG1963690-1BLANK	71	72	75	84			0
WG1963690-2LCS	72	74	78	83			0
WG1963690-3LCSD	76	74	83	88			0
MW-7SMS	71	72	87	88			0
MW-7SMSD	71	72	86	88			0

QC LIMITS
(30-150) TCX = 2,4,5,6-TETRACHLORO-M-XYLENE
(30-150) DCBP = DECACHLOROBIPHENYL

*** Values outside of QC limits**

Laboratory Control Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG1963690-2	**Analysis Date** : 08/26/24 20:28	**File ID** : P2240826a-38
LCSD Sample ID	: WG1963690-3	**Analysis Date** : 08/26/24 20:37	**File ID** : P2240826a-39

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	1.78	1.18	66	1.78	1.20	67	2	40-140	50
Aroclor 1260	1.78	1.19	67	1.78	1.22	68	3	40-140	50

Matrix Spike Sample Summary
Form 3
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Client Sample ID	: MW-7S	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2447503-07	**Analysis Date**	: 08/27/24 13:53
Matrix Spike	: WG1963690-4	**MS Analysis Date**	: 08/27/24 14:02
Matrix Spike Dup	: WG1963690-5	**MSD Analysis Date**	: 08/27/24 14:11

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Aroclor 1016	ND	1.78	1.22	68	1.78	1.21	68	1	40-140	50
Aroclor 1260	ND	1.78	1.20	67	1.78	1.18	66	2	40-140	50

Method Blank Summary
Form 4
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab Sample ID	: WG1963690-1	**Lab File ID**	: P2240826a-37
Matrix	: WATER	**Extraction Date**	: 08/26/24
Sulfur Cleanup	: Y		
Analysis Date (1)	: 08/26/24 20:19	**Analysis Date (2)**	: 08/26/24 20:19
Instrument ID (1)	: PEST2	**Instrument ID (2)**	: PEST2

Client Sample No.	Lab Sample ID	Analysis Date 1	Analysis Date 2
WG1963690-2LCS	WG1963690-2	08/26/24 20:28	08/26/24 20:28
WG1963690-3LCSD	WG1963690-3	08/26/24 20:37	08/26/24 20:37
MW-1S	L2447503-01	08/27/24 12:56	08/27/24 12:56
MW-2S	L2447503-02	08/27/24 13:06	08/27/24 13:06
MW-3S	L2447503-03	08/27/24 13:15	08/27/24 13:15
MW-4D	L2447503-04	08/27/24 13:24	08/27/24 13:24
MW-5S	L2447503-05	08/27/24 13:34	08/27/24 13:34
MW-6D	L2447503-06	08/27/24 13:43	08/27/24 13:43
MW-7S	L2447503-07	08/27/24 13:53	08/27/24 13:53
MW-7SMS	WG1963690-4	08/27/24 14:02	08/27/24 14:02
MW-7SMSD	WG1963690-5	08/27/24 14:11	08/27/24 14:11
MW-8S	L2447503-08	08/27/24 14:21	08/27/24 14:21
DUP	L2447503-09	08/27/24 14:30	08/27/24 14:30
FIELD BLANK	L2447503-10	08/27/24 14:39	08/27/24 14:39
EQUIPMENT BLANK	L2447503-11	08/27/24 14:49	08/27/24 14:49

Analytical Sequence
Form 8b
PCBs

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Instrument ID	: PEST2	**Initial Calib. Date(s)**	: 08/13/24 08/13/24

Client ID	Lab ID	Date/Time Analyzed
1242/1268 L5 (250ug/L)	R1863694-1	08/13/24 10:14
1232/1262 L5 (250ug/L)	R1863694-2	08/13/24 10:24
1248 L5 (250ug/L)	R1863694-3	08/13/24 10:33
1221/1254 L5 (250ug/L)	R1863694-4	08/13/24 10:43
1016/1260 L1 (4ug/L)	R1863694-5	08/13/24 10:52
1016/1260 L2 (10ug/L)	R1863694-6	08/13/24 11:01
1016/1260 L3 (50ug/L)	R1863694-7	08/13/24 11:11
1016/1260 L4 (100ug/L)	R1863694-15	08/13/24 11:20
1016/1260 L5 (250ug/L)	R1863694-16	08/13/24 11:30
1016/1260 L6 (500ug/L)	R1863694-8	08/13/24 11:39
1016/1260 L7 (1000ug/L)-	R1863694-9	08/13/24 11:48
R1863694-10 ICV	R1863694-10	08/13/24 11:58
R1863694-11 ICV	R1863694-11	08/13/24 12:07
R1863694-12 ICV	R1863694-12	08/13/24 12:17
R1863694-13 ICV	R1863694-13	08/13/24 12:26
R1863694-14 ICV	R1863694-14	08/13/24 12:35
WG1963798-1 CCAL	WG1963798-1	08/26/24 08:42
WG1963690-1 BLANK	WG1963690-1	08/26/24 20:19
WG1963690-2 LCS	WG1963690-2	08/26/24 20:28
WG1963690-3 LCSD	WG1963690-3	08/26/24 20:37
WG1964276-1 CCAL	WG1964276-1	08/27/24 07:41
MW-1S	L2447503-01	08/27/24 12:56
MW-2S	L2447503-02	08/27/24 13:06
MW-3S	L2447503-03	08/27/24 13:15
MW-4D	L2447503-04	08/27/24 13:24
MW-5S	L2447503-05	08/27/24 13:34
MW-6D	L2447503-06	08/27/24 13:43
MW-7S	L2447503-07	08/27/24 13:53
MW-7S MS	WG1963690-4	08/27/24 14:02
MW-7S MSD	WG1963690-5	08/27/24 14:11
MW-8S	L2447503-08	08/27/24 14:21
DUP	L2447503-09	08/27/24 14:30
FIELD BLANK	L2447503-10	08/27/24 14:39
EQUIPMENT BLANK	L2447503-11	08/27/24 14:49

Date Created: 03/07/23
Created By: Jason Hebert
File: PM14021-1
Page: 1

PCB - EPA 8082A (WATER)

Holding Time: 365 days
Container/Sample Preservation: 2 - Amber 1000ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	0.25	0.0156	ug/l	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	0.25	0.0221	ug/l	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	0.25	0.046	ug/l	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	0.25	0.0362	ug/l	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	0.25	0.0455	ug/l	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	0.25	0.0168	ug/l	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	0.25	0.0344	ug/l	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	0.25	0.033	ug/l	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	0.25	0.0317	ug/l	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	0.25	0.0156	ug/l				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

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File: PM14022-1
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PCB - EPA 8082A (SOIL)

Holding Time: 365 days
Container/Sample Preservation: 1 - Glass 250ml/8oz unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Aroclor 1016	12674-11-2	50	4.44	ug/kg	40-140	50	40-140	50	50			
Aroclor 1221	11104-28-2	50	5.01	ug/kg	40-140	50	40-140	50	50			
Aroclor 1232	11141-16-5	50	10.6	ug/kg	40-140	50	40-140	50	50			
Aroclor 1242	53469-21-9	50	6.74	ug/kg	40-140	50	40-140	50	50			
Aroclor 1248	12672-29-6	50	7.5	ug/kg	40-140	50	40-140	50	50			
Aroclor 1254	11097-69-1	50	5.47	ug/kg	40-140	50	40-140	50	50			
Aroclor 1260	11096-82-5	50	9.24	ug/kg	40-140	50	40-140	50	50			
Aroclor 1262	37324-23-5	50	6.35	ug/kg	40-140	30	40-140	50	50			
Aroclor 1268	11100-14-4	50	5.18	ug/kg	40-140	30	40-140	50	50			
PCBs, Total	1336-36-3	50	4.44	ug/kg				50	50			
2,4,5,6-Tetrachloro-m-xylene	*877-09-8*									*30-150*		
Decachlorobiphenyl	*2051-24-3*									*30-150*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Alpha Analytical, Inc.

Aroclor Sample Data

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-01	**Date Collected**	: 08/19/24 17:00
Client ID	: MW-1S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 12:56
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-14	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-02	**Date Collected**	: 08/20/24 10:10
Client ID	: MW-2S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:06
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-15	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-03	**Date Collected**	: 08/20/24 08:40
Client ID	: MW-3S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:15
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-16	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-04	**Date Collected**	: 08/20/24 09:55
Client ID	: MW-4D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:24
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-17	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-05	**Date Collected**	: 08/20/24 08:30
Client ID	: MW-5S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:34
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-18	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-06	**Date Collected**	: 08/19/24 17:20
Client ID	: MW-6D	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:43
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-19	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-07	**Date Collected**	: 08/19/24 15:55
Client ID	: MW-7S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 13:53
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-20	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-08	**Date Collected**	: 08/20/24 11:50
Client ID	: MW-8S	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:21
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-23	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-09	**Date Collected**	: 08/20/24 00:00
Client ID	: DUP	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:30
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-24	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-10	**Date Collected**	: 08/20/24 11:35
Client ID	: FIELD BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:39
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-25	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: L2447503-11	**Date Collected**	: 08/20/24 09:30
Client ID	: EQUIPMENT BLANK	**Date Received**	: 08/20/24
Sample Location	: SPEONK, NY	**Date Analyzed**	: 08/27/24 14:49
Sample Matrix	: WATER	**Date Extracted**	: 08/27/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240827a-26	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Results Summary
Form 1
Polychlorinated Biphenyls by GC

Client	: Alpha Geoscience	**Lab Number**	: L2447503
Project Name	: HUNTINGTON READY MIX	**Project Number**	: 20116
Lab ID	: WG1963690-1	**Date Collected**	: NA
Client ID	: WG1963690-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 08/26/24 20:19
Sample Matrix	: WATER	**Date Extracted**	: 08/26/24
Analytical Method	: 1,8082A	**Dilution Factor**	: 1
Lab File ID	: P2240826a-37	**Analyst**	: MEO
Sample Amount	: 140 ml	**Instrument ID**	: PEST2
Extraction Method	: EPA 3510C	**GC Column**	: CLP-Pesticide
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL
Sulfur Cleanup	: Y		

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
12674-11-2	Aroclor 1016	ND	0.071	0.061	U
11104-28-2	Aroclor 1221	ND	0.071	0.061	U
11141-16-5	Aroclor 1232	ND	0.071	0.061	U
53469-21-9	Aroclor 1242	ND	0.071	0.061	U
12672-29-6	Aroclor 1248	ND	0.071	0.061	U
11097-69-1	Aroclor 1254	ND	0.071	0.061	U
11096-82-5	Aroclor 1260	ND	0.071	0.061	U
37324-23-5	Aroclor 1262	ND	0.071	0.061	U
11100-14-4	Aroclor 1268	ND	0.071	0.061	U
1336-36-3	PCBs, Total	ND	0.071	0.061	U

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 12:56
Operator : pest2:meo
Sample : L2447503-01,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:11:58 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.189	1.254	228.9E6	256.6E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 244804106				Recovery =	93.51%	
	Standard Area 1 : #2 = 263722764				Recovery =	97.31%	
14) i	2154_1br2nb	1.189	1.254	228.9E6	256.6E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.189	1.254	228.9E6	256.6E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.189	1.254	228.9E6	256.6E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.189	1.254	228.9E6	256.6E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.472	1.624	198.6E6	217.4E6	13.469M4	14.017M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	67.34%	70.08%
3) s	Decachlorobi	4.041	4.548	147.0E6	161.2E6	13.666M4	15.570
	Spiked Amount 20.000	Range 30 - 150			Recovery =	68.33%	77.85%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 12:56
Operator : pest2:meo
Sample : L2447503-01,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:11:58 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 12:56
Operator : pest2:meo
Sample : L2447503-01,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:11:58 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 12:56
Operator : pest2:meo
Sample : L2447503-01,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:11:58 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

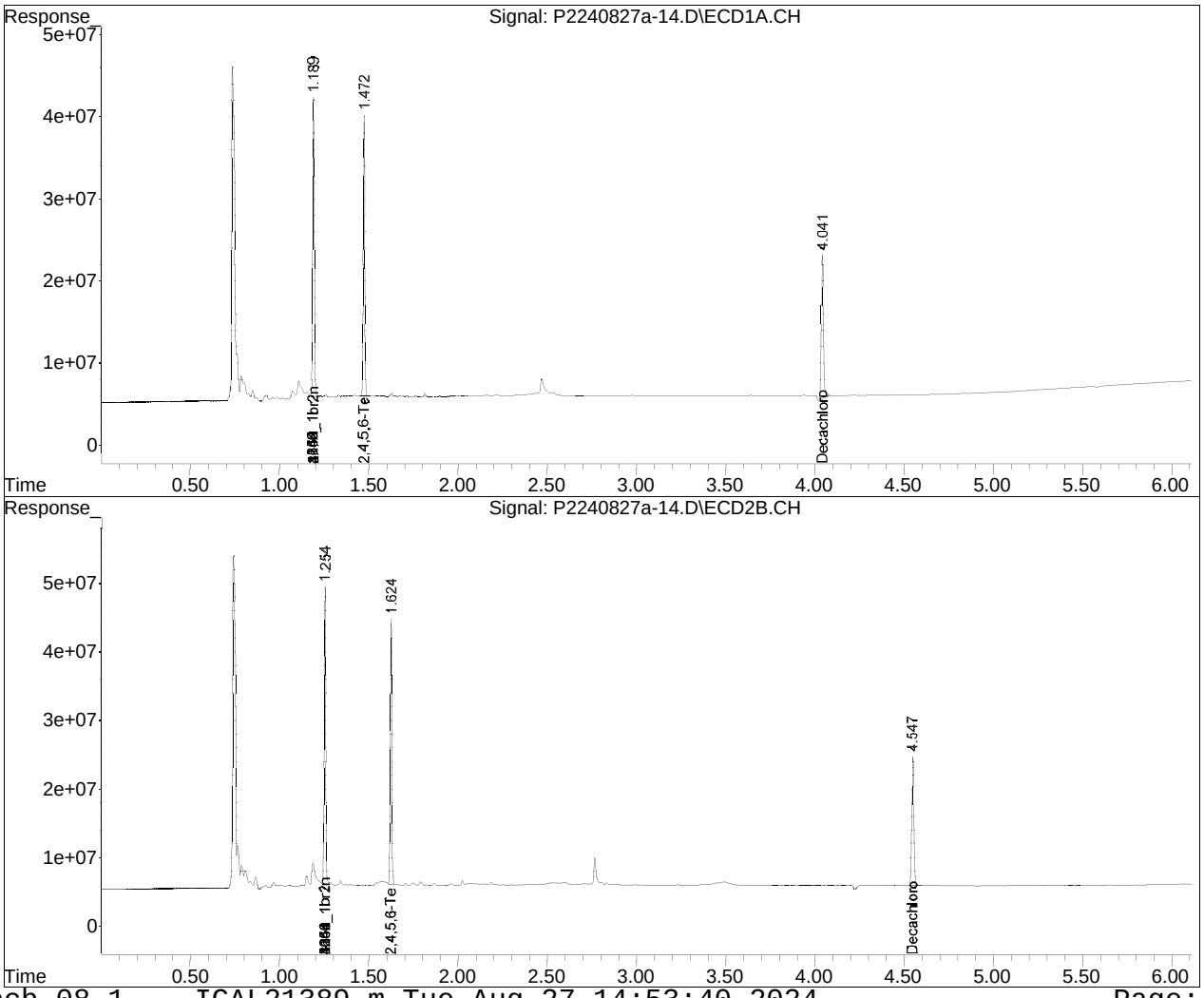
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 12:56
Operator : pest2:meo
Sample : L2447503-01,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:11:58 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

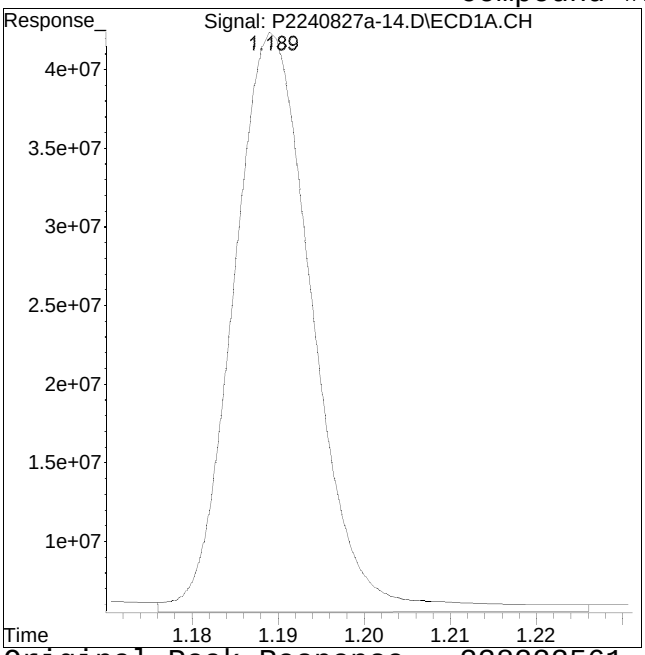
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

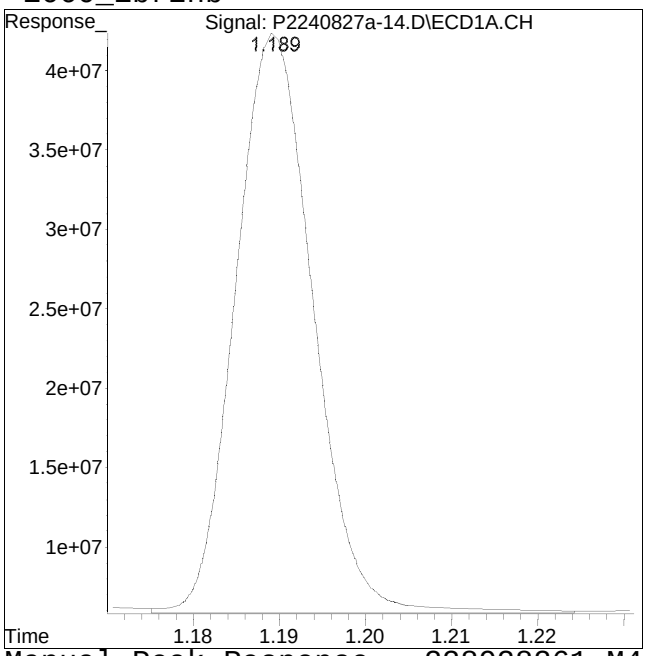


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-14.D Operator : pest2:meo
Date Inj'd : 8/27/2024 12:56 Instrument : Pest 2
Sample : L2447503-01,42,, Quant Date : 8/27/2024 2:11 pm

Compound #1: 1660_1br2nb



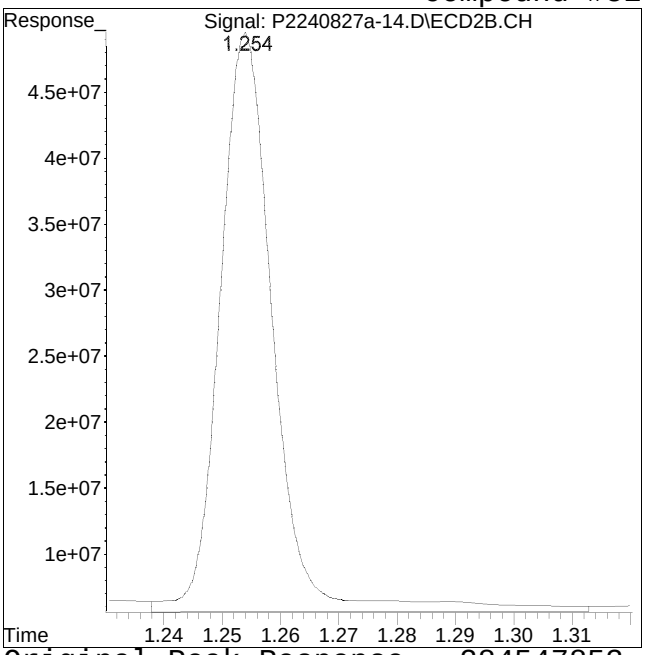


Original Peak Response = 238222561 Manual Peak Response = 228928261 M4
M4 = Poor automated baseline construction.

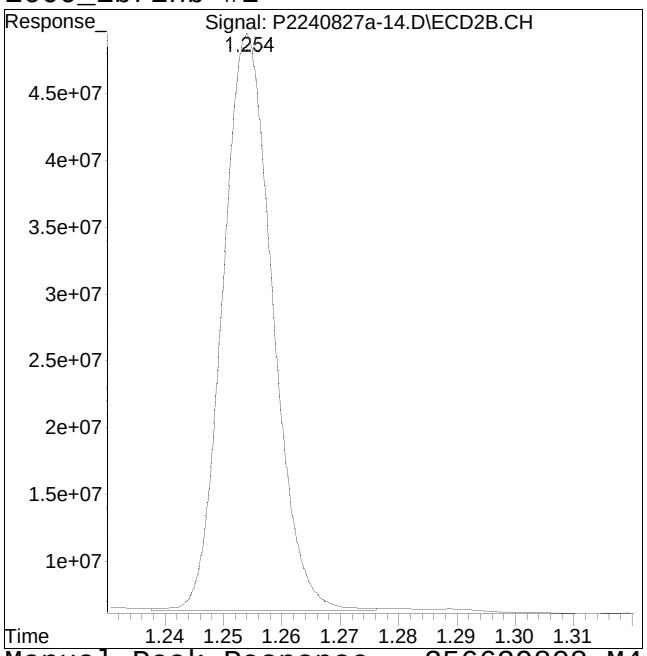
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-14.D Operator : pest2:meo
Date Inj'd : 8/27/2024 12:56 Instrument : Pest 2
Sample : L2447503-01,42,, Quant Date : 8/27/2024 2:11 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 284547853



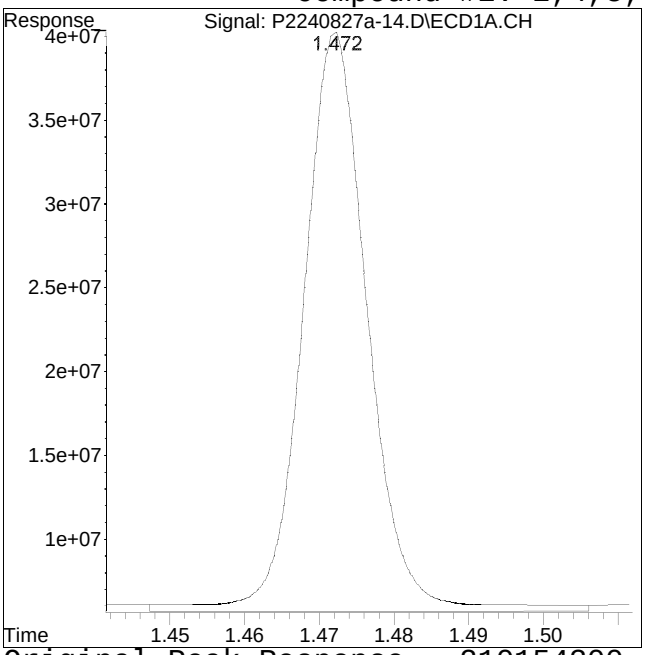
Manual Peak Response = 256629808 M4

M4 = Poor automated baseline construction.

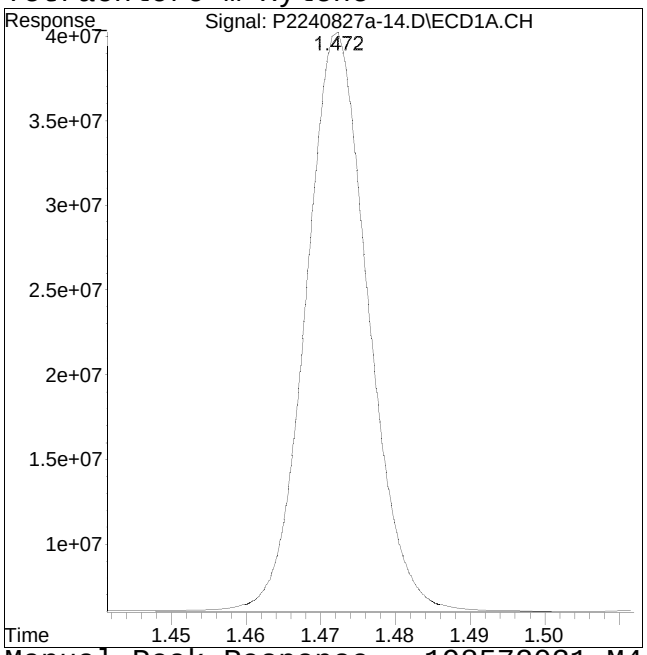
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-14.D Operator : pest2:meo
Date Inj'd : 8/27/2024 12:56 Instrument : Pest 2
Sample : L2447503-01,42,, Quant Date : 8/27/2024 2:11 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 210154300



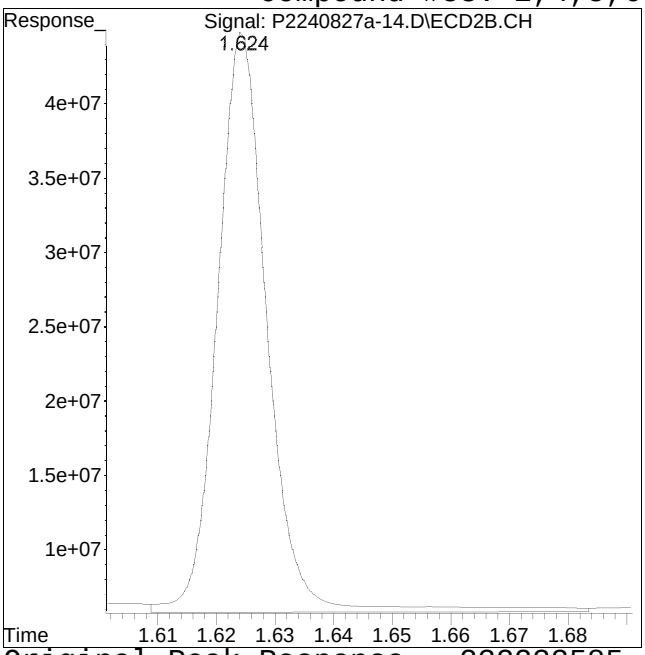
Manual Peak Response = 198572031 M4

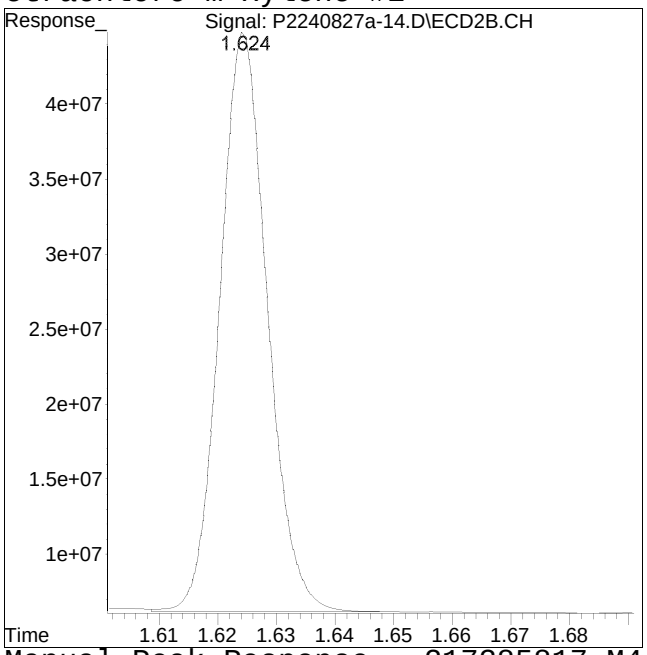
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-14.D Operator : pest2:meo
Date Inj'd : 8/27/2024 12:56 Instrument : Pest 2
Sample : L2447503-01,42,, Quant Date : 8/27/2024 2:11 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



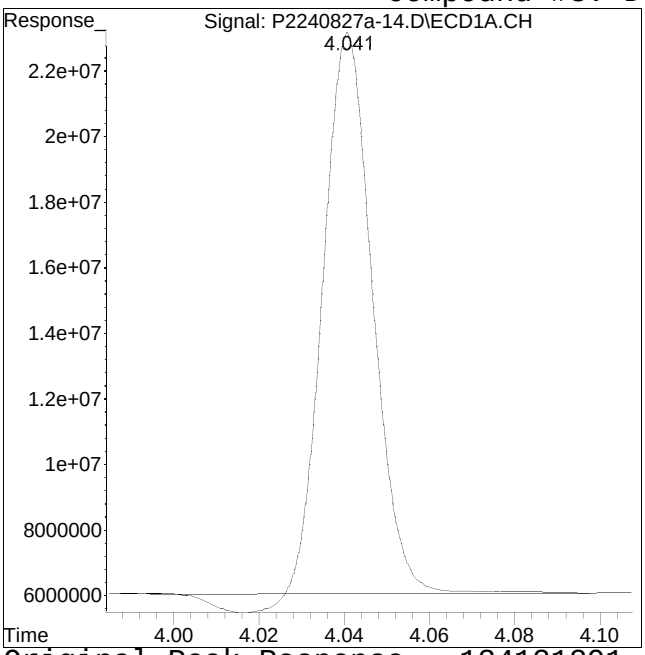


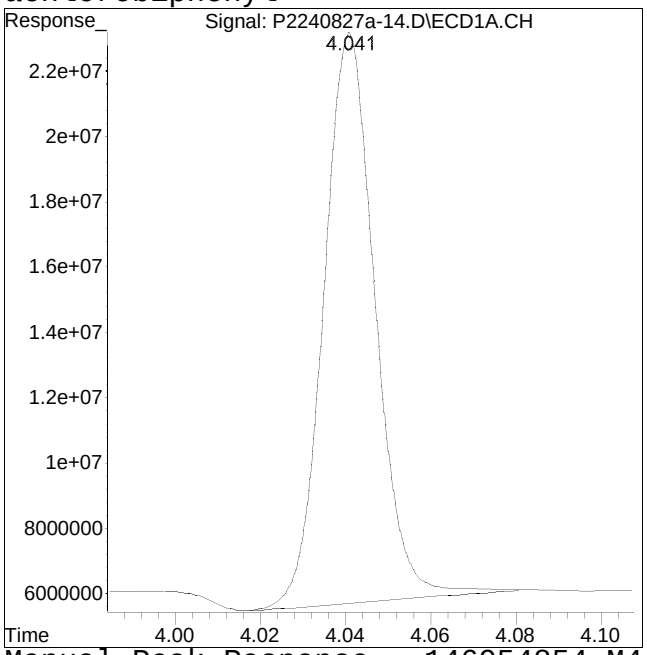
Original Peak Response = 232232585 Manual Peak Response = 217385817 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-14.D Operator : pest2:meo
Date Inj'd : 8/27/2024 12:56 Instrument : Pest 2
Sample : L2447503-01,42,, Quant Date : 8/27/2024 2:11 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 134121291 Manual Peak Response = 146954854 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:06
Operator : pest2:meo
Sample : L2447503-02,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:01 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.255	217.1E6	243.2E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		88.70%
	Standard Area 1 : #2 = 263722764				Recovery =		92.21%
14) i	2154_1br2nb	1.190	1.255	217.1E6	243.2E6	25.000	25.000
23) i	4268_1br2nb	1.190	1.255	217.1E6	243.2E6	25.000	25.000
34) i	1248_1br2nb	1.190	1.255	217.1E6	243.2E6	25.000	25.000
40) i	3262_1br2nb	1.190	1.255	217.1E6	243.2E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.472	1.625	210.4E6	231.1E6	15.044	15.727
	Spiked Amount 20.000	Range 30 - 150			Recovery =	75.22%	78.64%
3) s	Decachlorobi	4.039	4.547	172.0E6	175.3E6	16.862M4	17.866
	Spiked Amount 20.000	Range 30 - 150			Recovery =	84.31%	89.33%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:06
Operator : pest2:meo
Sample : L2447503-02,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:01 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:06
Operator : pest2:meo
Sample : L2447503-02,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:01 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

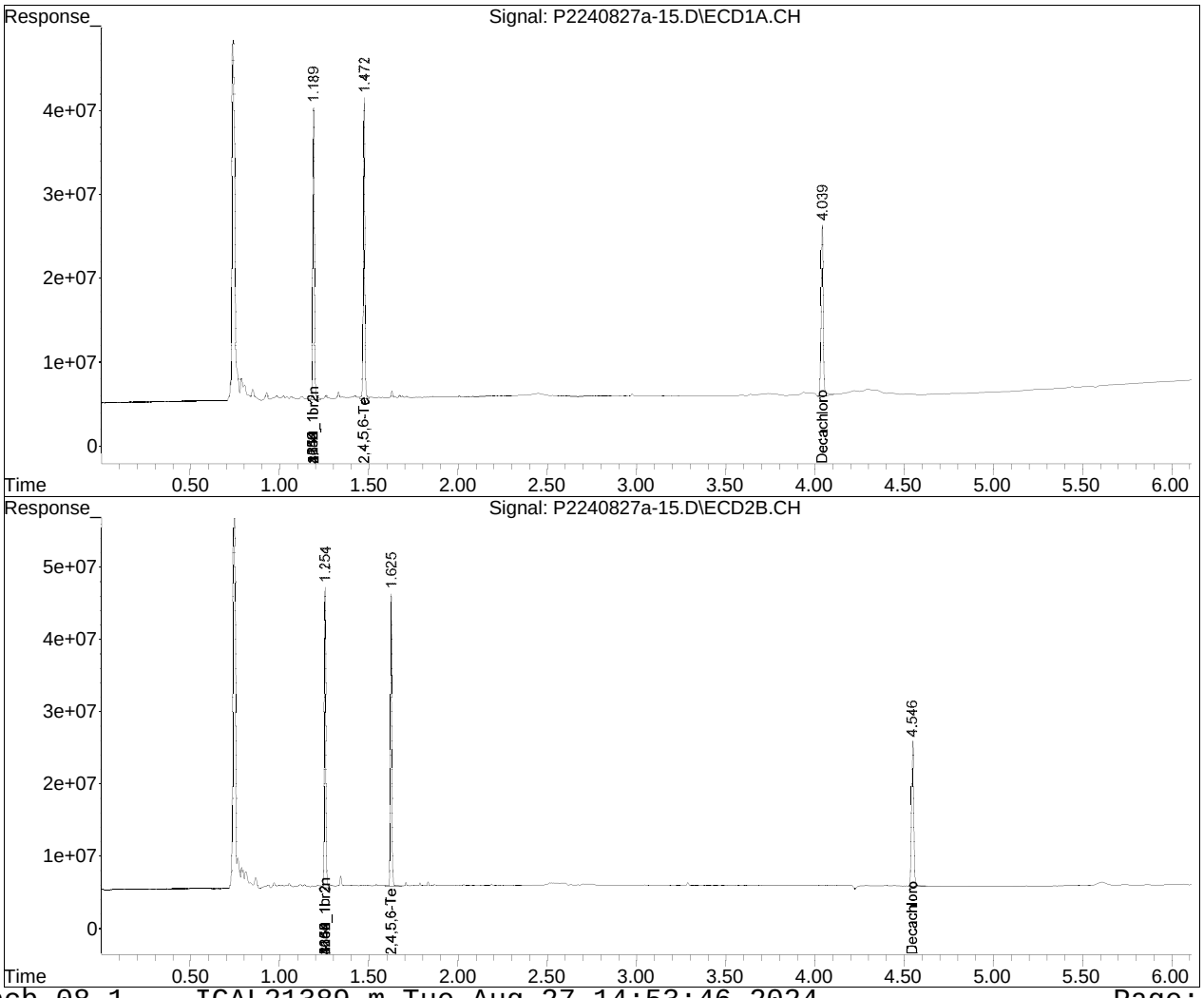
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:06
Operator : pest2:meo
Sample : L2447503-02,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:01 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

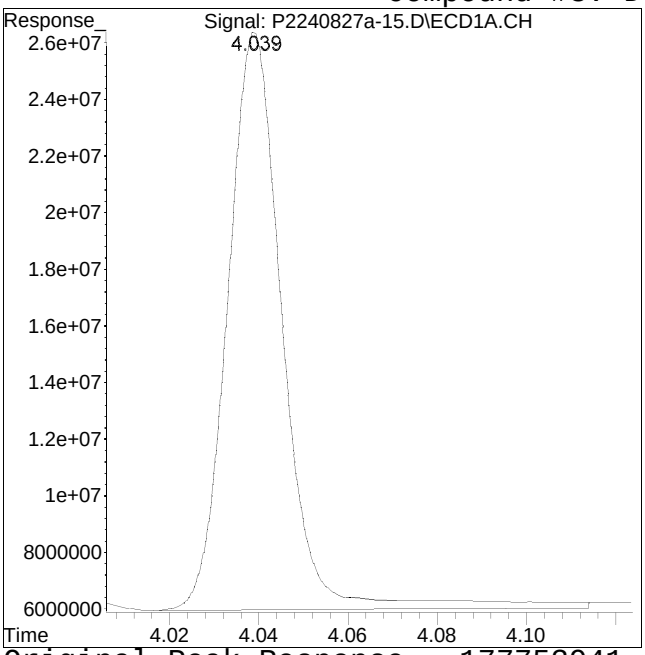
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

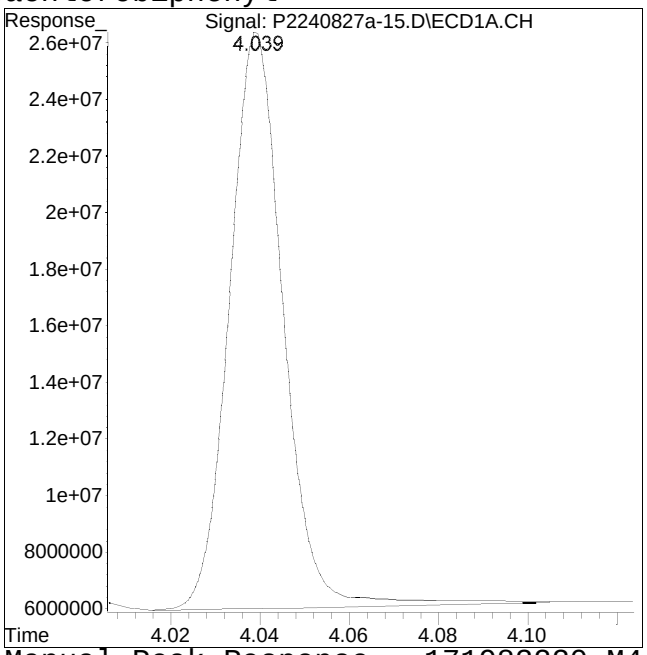


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-15.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:06 Instrument : Pest 2
Sample : L2447503-02,42,, Quant Date : 8/27/2024 2:12 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 177753941 Manual Peak Response = 171983220 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:15
Operator : pest2:meo
Sample : L2447503-03,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.256	208.8E6	236.8E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		85.29%
	Standard Area 1 : #2 = 263722764				Recovery =		89.78%
14) i	2154_1br2nb	1.190	1.256	208.8E6	236.8E6	25.000	25.000
23) i	4268_1br2nb	1.190	1.256	208.8E6	236.8E6	25.000	25.000
34) i	1248_1br2nb	1.190	1.256	208.8E6	236.8E6	25.000	25.000
40) i	3262_1br2nb	1.190	1.256	208.8E6	236.8E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.473	1.626	210.3E6	224.7E6	15.637	15.703
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.19%	78.52%
3) s	Decachlorobi	4.039	4.548	168.9E6	184.8E6	17.217M4	19.345
	Spiked Amount 20.000	Range 30 - 150			Recovery =	86.08%	96.72%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:15
Operator : pest2:meo
Sample : L2447503-03,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:15
Operator : pest2:meo
Sample : L2447503-03,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

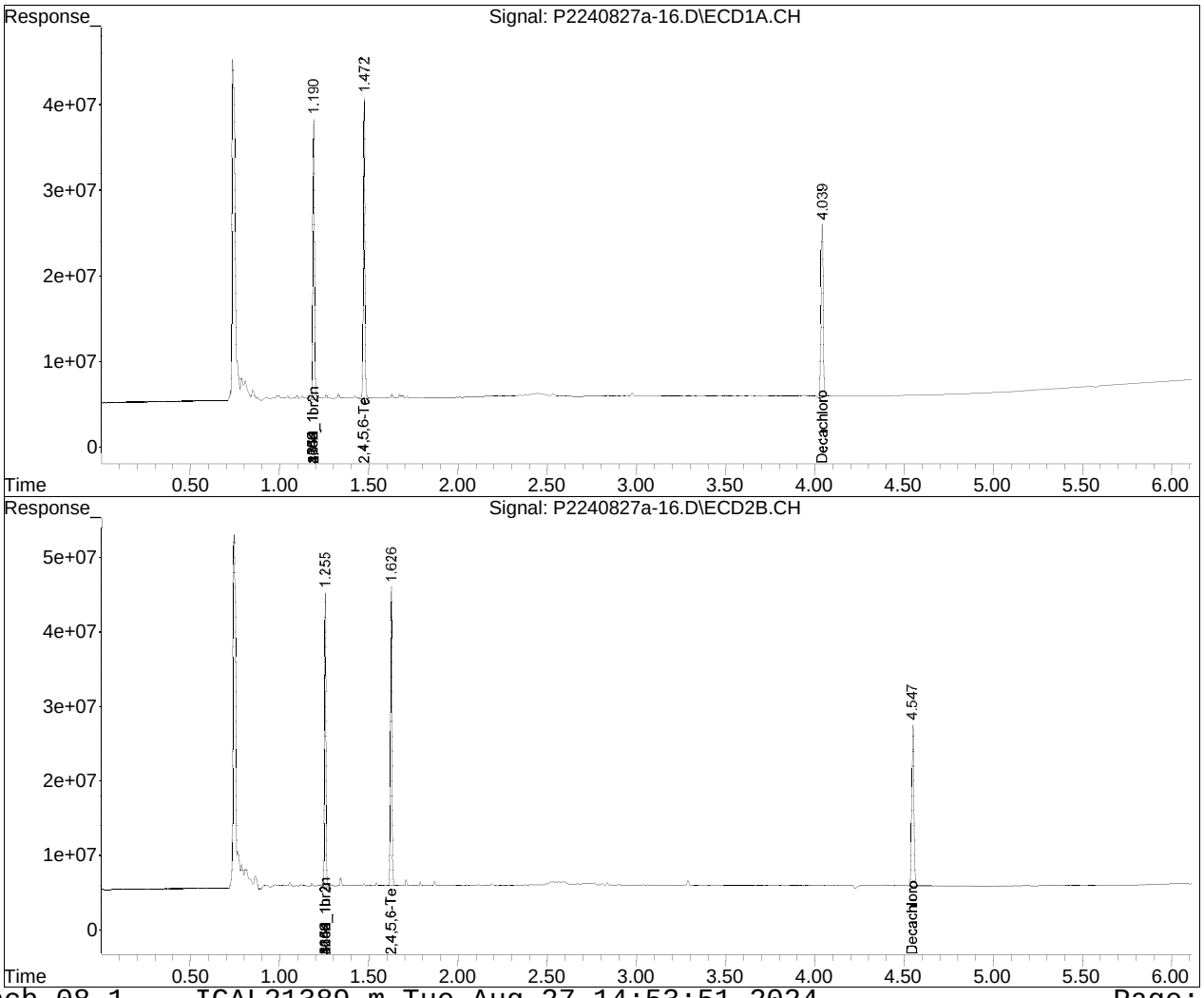
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:15
Operator : pest2:meo
Sample : L2447503-03,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:04 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

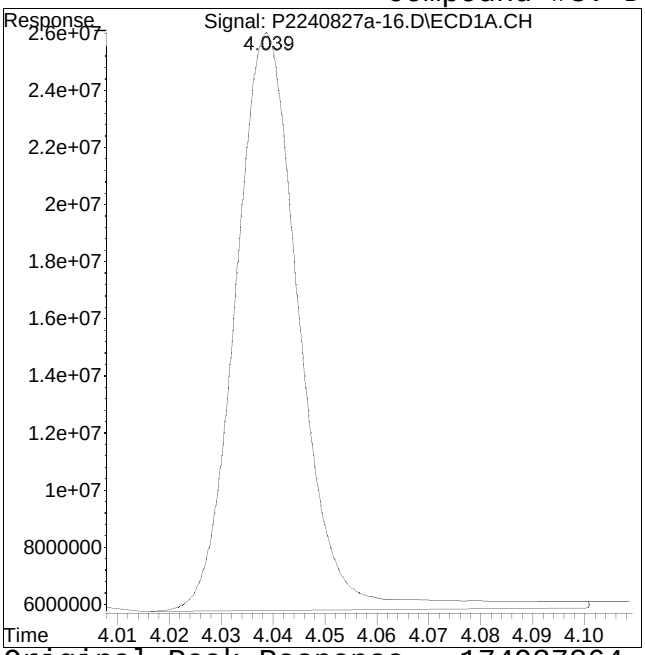
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



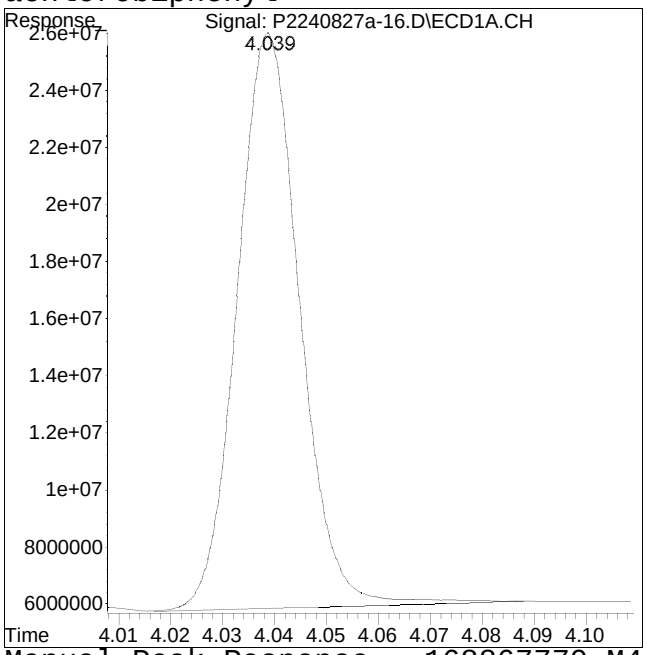
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-16.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:15 Instrument : Pest 2
Sample : L2447503-03,42,, Quant Date : 8/27/2024 2:12 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 174937364



Manual Peak Response = 168867770 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:24
Operator : pest2:meo
Sample : L2447503-04,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:08 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.190	1.256	215.3E6	242.0E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		87.95%
	Standard Area 1 : #2 = 263722764				Recovery =		91.75%
14) i	2154_1br2nb	1.190	1.256	215.3E6	242.0E6	25.000	25.000
23) i	4268_1br2nb	1.190	1.256	215.3E6	242.0E6	25.000	25.000
34) i	1248_1br2nb	1.190	1.256	215.3E6	242.0E6	25.000	25.000
40) i	3262_1br2nb	1.190	1.256	215.3E6	242.0E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.473	1.626	218.4E6	235.5E6	15.754	16.103
	Spiked Amount 20.000	Range 30 - 150		Recovery =		78.77%	80.52%
3) s	Decachlorobi	4.039	4.548	168.3E6	173.7E6	16.636	17.794
	Spiked Amount 20.000	Range 30 - 150		Recovery =		83.18%	88.97%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:24
Operator : pest2:meo
Sample : L2447503-04,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:08 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:24
Operator : pest2:meo
Sample : L2447503-04,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:08 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

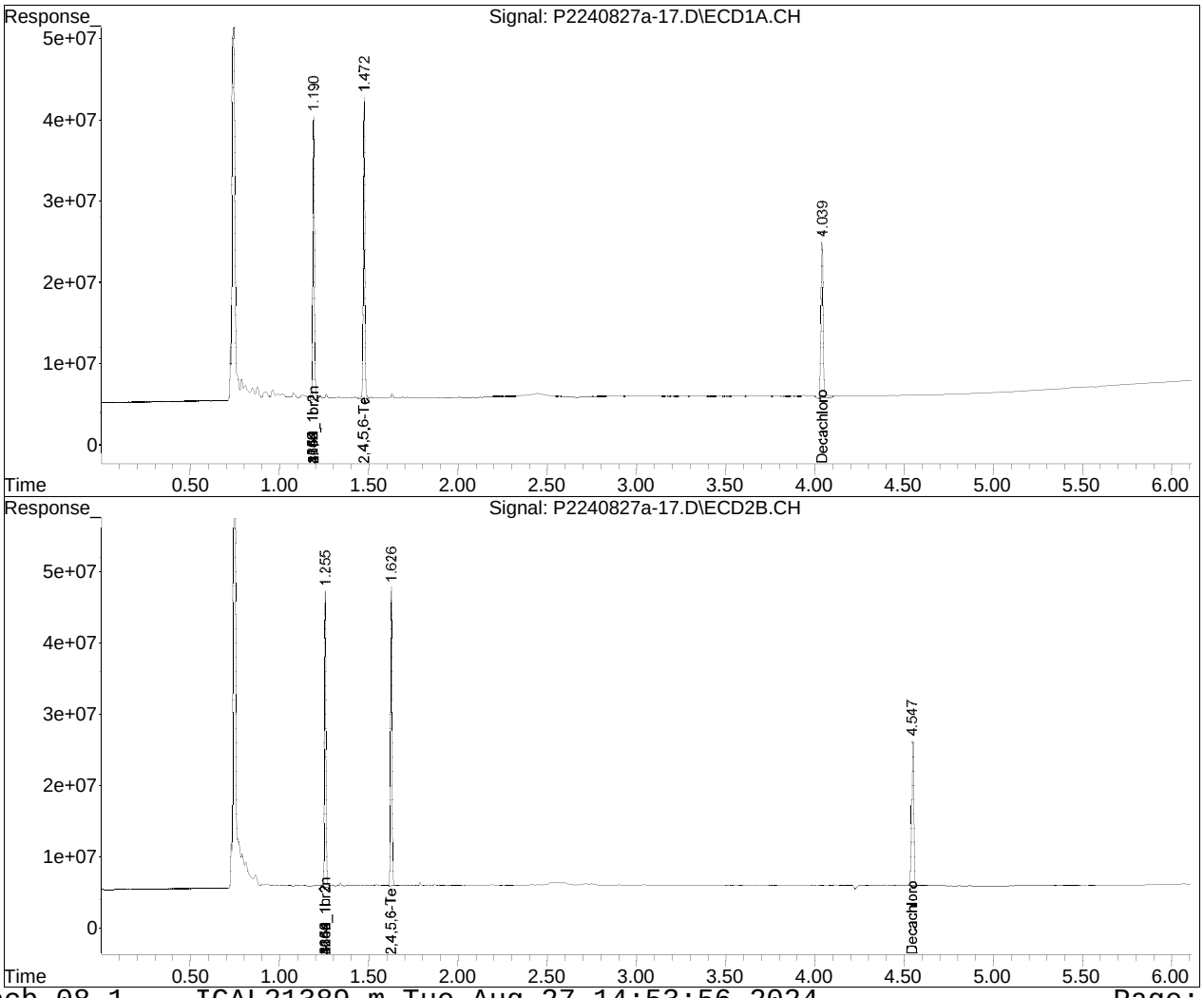
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:24
Operator : pest2:meo
Sample : L2447503-04,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:08 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Manual Integration Report

Data Path	: I:\PCB\Pest2\2024\240827a\	QMethod	: P2_pcb_08_13_24_LVI_4ppb
Data File	: P2240827a-17.D	Operator	: pest2:meo
Date Inj'd	: 8/27/2024 13:24	Instrument	: Pest 2
Sample	: L2447503-04,42,,	Quant Date	: 8/27/2024 2:12 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:34
Operator : pest2:meo
Sample : L2447503-05,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.257	215.1E6	244.1E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		87.86%
	Standard Area 1 : #2 = 263722764				Recovery =		92.56%
14) i	2154_1br2nb	1.192	1.257	215.1E6	244.1E6	25.000	25.000
23) i	4268_1br2nb	1.192	1.257	215.1E6	244.1E6	25.000	25.000
34) i	1248_1br2nb	1.192	1.257	215.1E6	244.1E6	25.000	25.000
40) i	3262_1br2nb	1.192	1.257	215.1E6	244.1E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.474	1.627	212.6E6	230.4E6	15.346	15.620
	Spiked Amount 20.000	Range 30 - 150			Recovery =	76.73%	78.10%
3) s	Decachlorobi	4.039	4.548	173.0E6	184.2E6	17.123M4	18.698
	Spiked Amount 20.000	Range 30 - 150			Recovery =	85.62%	93.49%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:34
Operator : pest2:meo
Sample : L2447503-05,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:34
Operator : pest2:meo
Sample : L2447503-05,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

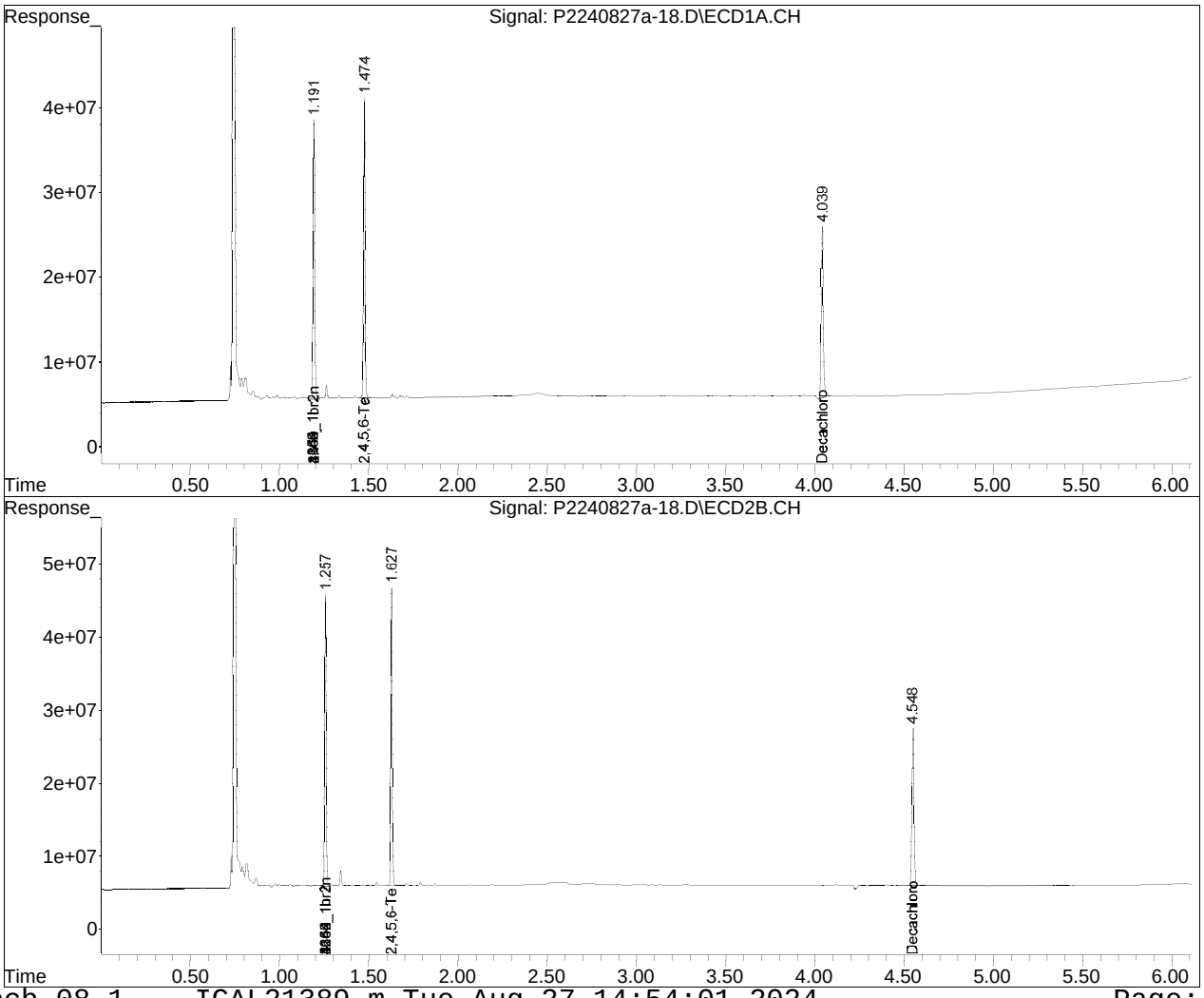
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:34
Operator : pest2:meo
Sample : L2447503-05,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

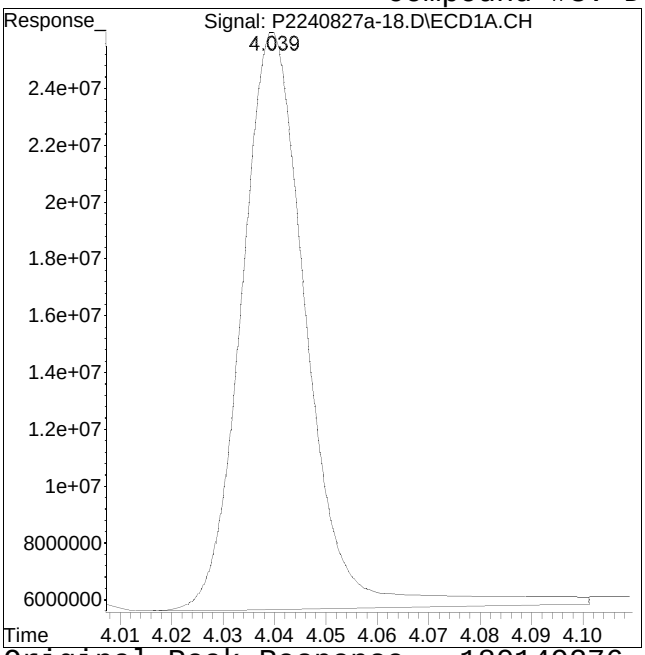
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



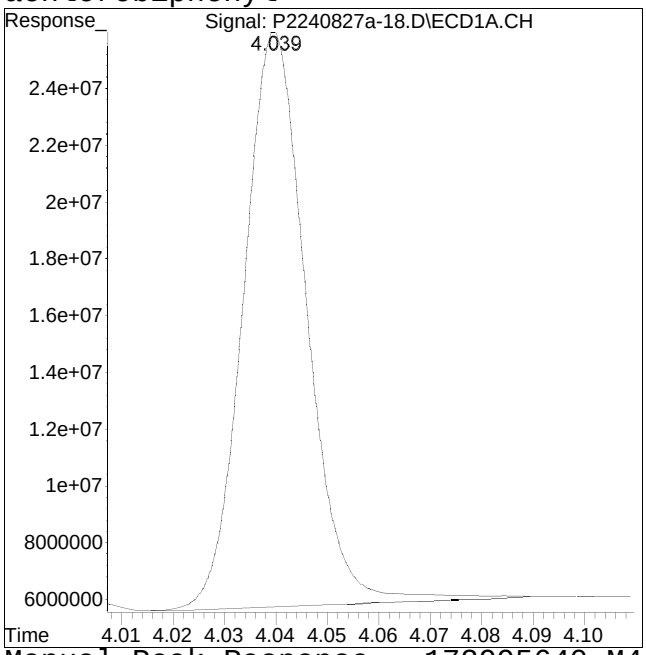
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-18.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:34 Instrument : Pest 2
Sample : L2447503-05,42,, Quant Date : 8/27/2024 2:12 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 180149276



Manual Peak Response = 172995640 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:43
Operator : pest2:meo
Sample : L2447503-06,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:14 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.191	1.257	209.6E6	243.3E6	25.000M4	25.000M4
	Standard Area 1 : #1 = 244804106				Recovery =	85.62%	
	Standard Area 1 : #2 = 263722764				Recovery =	92.27%	
14) i	2154_1br2nb	1.191	1.257	209.6E6	243.3E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.191	1.257	209.6E6	243.3E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.191	1.257	209.6E6	243.3E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.191	1.257	209.6E6	243.3E6	25.000M4	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.474	1.627	212.2E6	229.8E6	15.719	15.630M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.59%	78.15%
3) s	Decachlorobi	4.039	4.548	168.6E6	186.9E6	17.121M4	19.040M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	85.61%	95.20%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:43
Operator : pest2:meo
Sample : L2447503-06,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:14 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:43
Operator : pest2:meo
Sample : L2447503-06,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:14 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:43
Operator : pest2:meo
Sample : L2447503-06,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:14 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

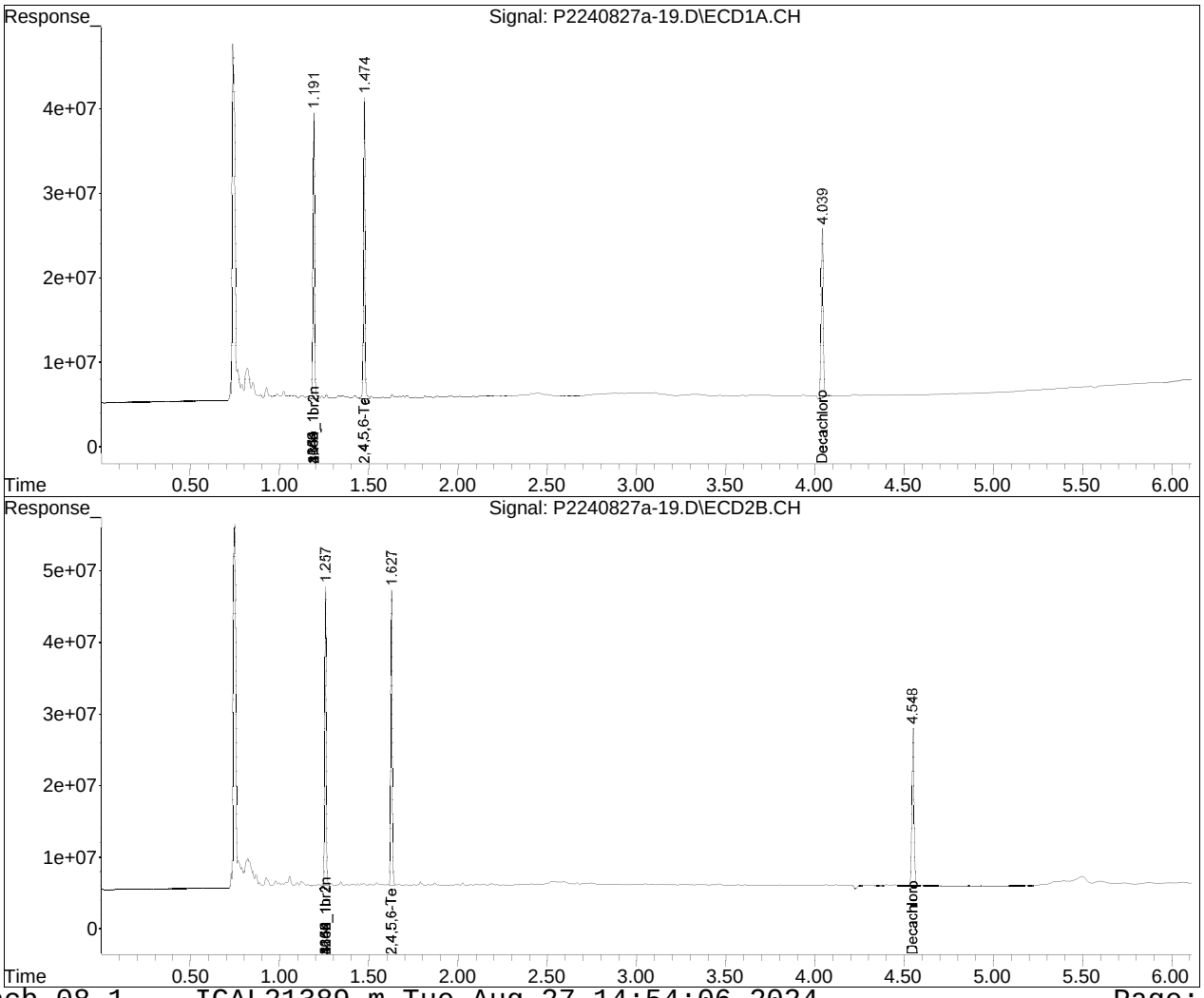
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:43
Operator : pest2:meo
Sample : L2447503-06,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:14 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

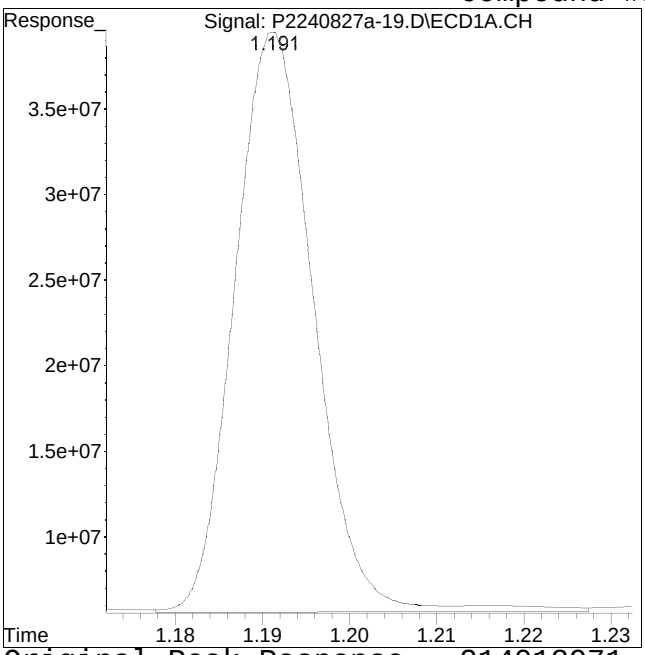
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



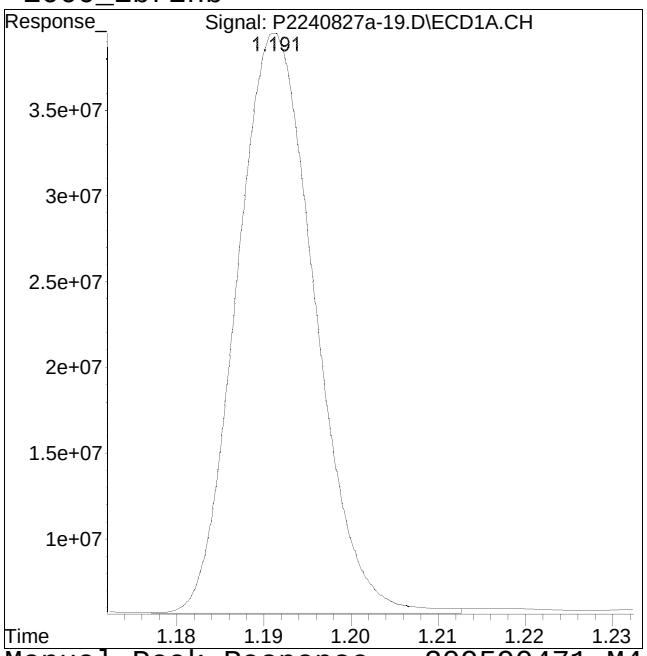
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-19.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:43 Instrument : Pest 2
Sample : L2447503-06,42,, Quant Date : 8/27/2024 2:12 pm

Compound #1: 1660_1br2nb



Original Peak Response = 214012971



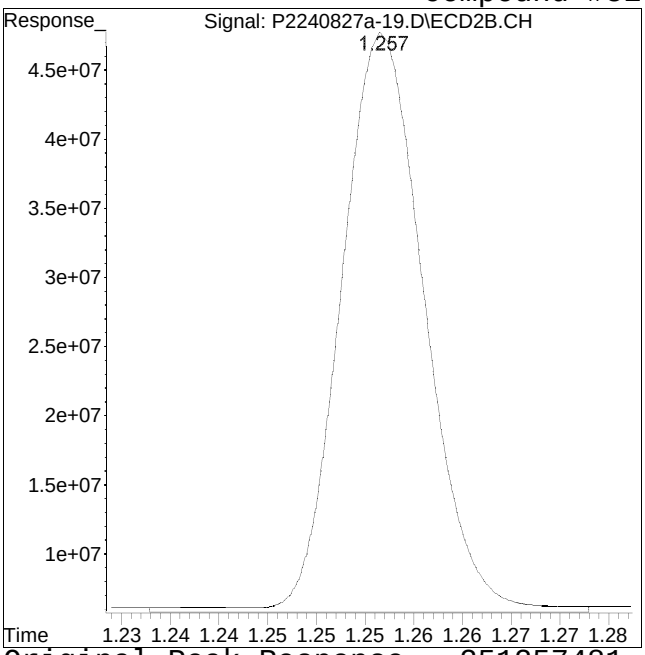
Manual Peak Response = 209590471 M4

M4 = Poor automated baseline construction.

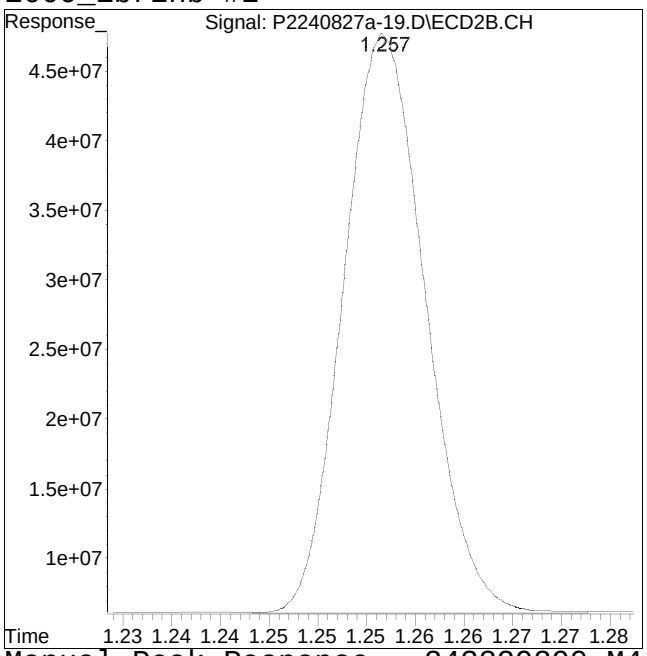
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-19.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:43 Instrument : Pest 2
Sample : L2447503-06,42,, Quant Date : 8/27/2024 2:12 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 251257481



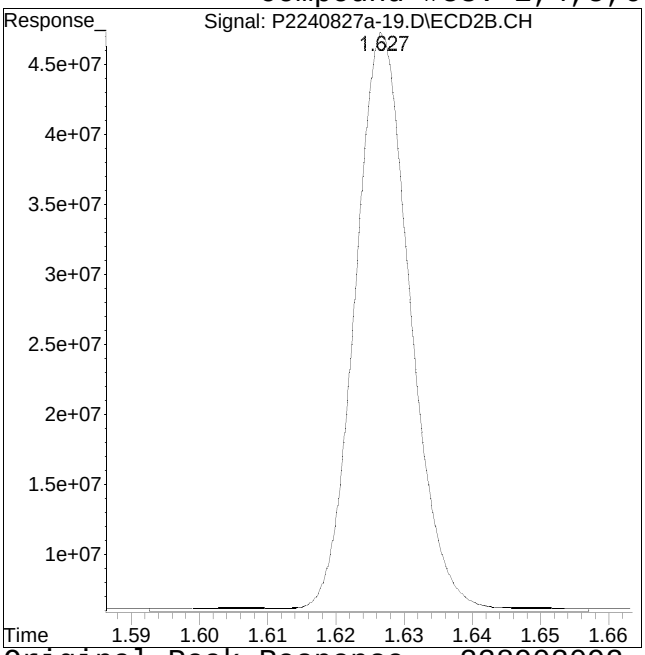
Manual Peak Response = 243329290 M4

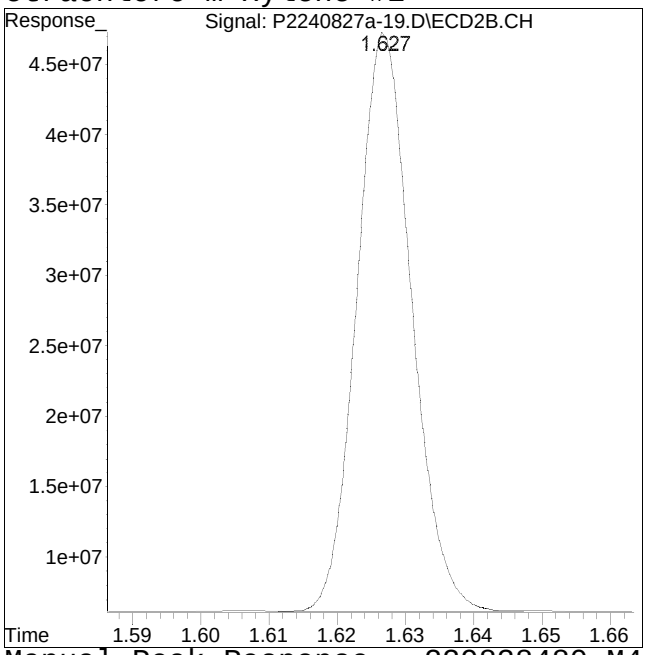
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-19.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:43 Instrument : Pest 2
Sample : L2447503-06,42,, Quant Date : 8/27/2024 2:12 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



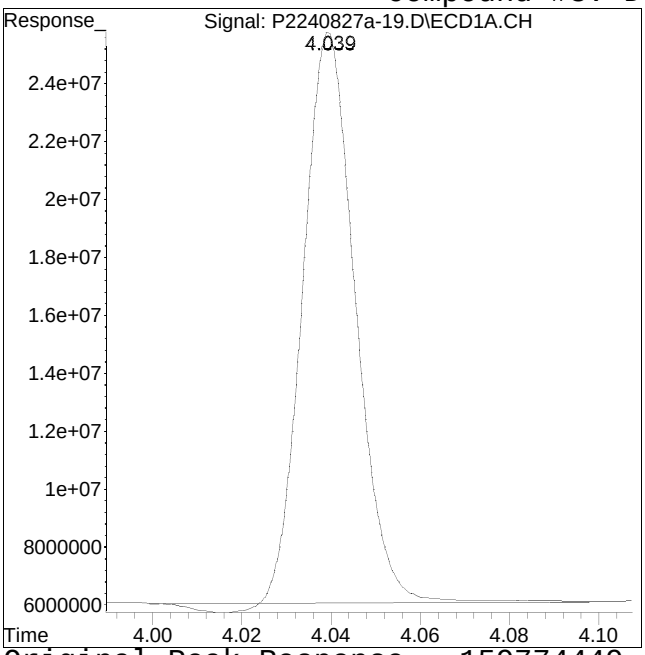


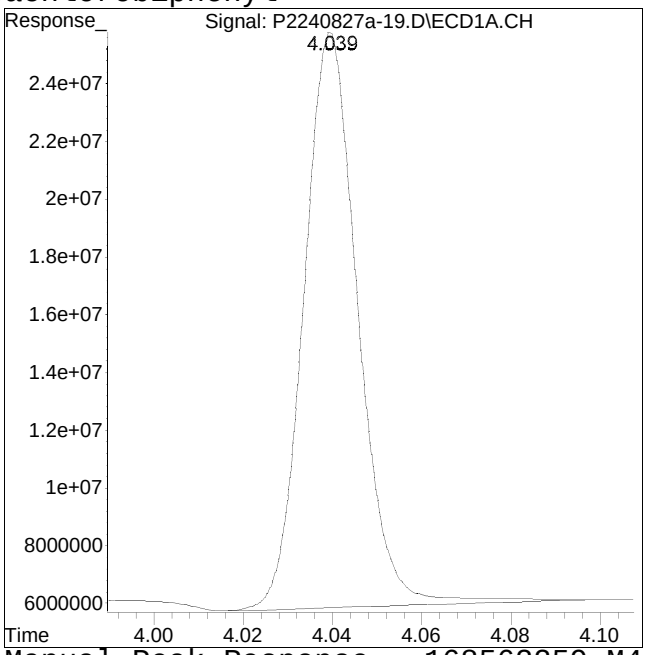
Original Peak Response = 238902092 Manual Peak Response = 229838480 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-19.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:43 Instrument : Pest 2
Sample : L2447503-06,42,, Quant Date : 8/27/2024 2:12 pm

Compound #3: Decachlorobiphenyl



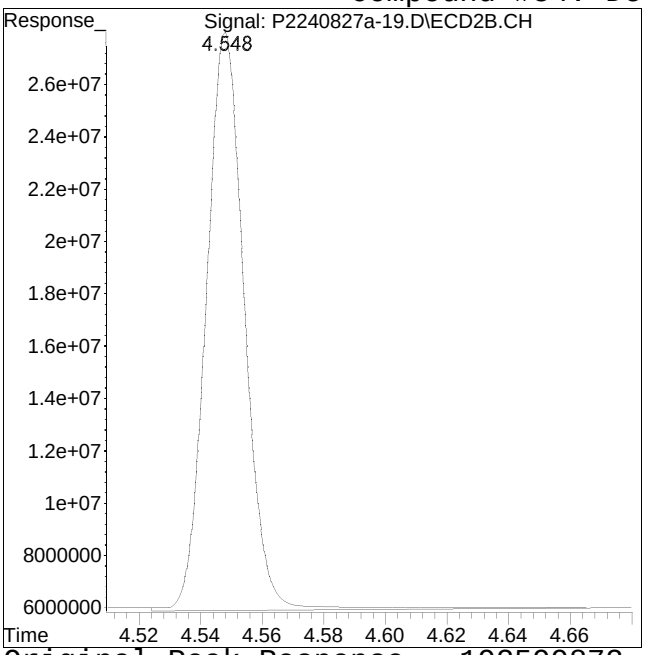


Original Peak Response = 159774449 Manual Peak Response = 168562259 M4
M4 = Poor automated baseline construction.

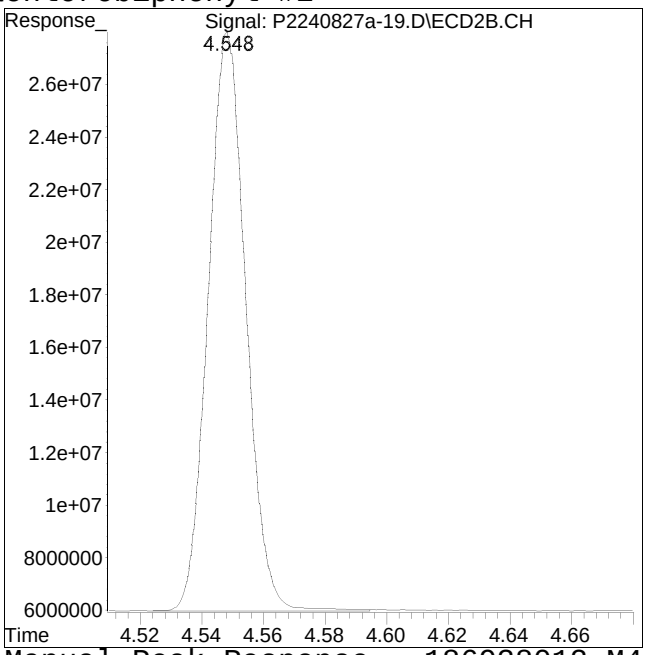
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-19.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:43 Instrument : Pest 2
Sample : L2447503-06,42,, Quant Date : 8/27/2024 2:12 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 192599872



Manual Peak Response = 186938012 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:53
Operator : pest2:meo
Sample : L2447503-07,42,, p
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.191	1.257	209.2E6	240.6E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =	85.47%	
	Standard Area 1 : #2 = 263722764				Recovery =	91.22%	
14) i	2154_1br2nb	1.191	1.257	209.2E6	240.6E6	25.000	25.000
23) i	4268_1br2nb	1.191	1.257	209.2E6	240.6E6	25.000	25.000
34) i	1248_1br2nb	1.191	1.257	209.2E6	240.6E6	25.000	25.000
40) i	3262_1br2nb	1.191	1.257	209.2E6	240.6E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.474	1.627	210.9E6	231.0E6	15.655	15.889
	Spiked Amount 20.000	Range 30 - 150			Recovery =	78.27%	79.44%
3) s	Decachlorobi	4.041	4.549	171.4E6	177.2E6	17.443M4	18.260M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	87.22%	91.30%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:53
Operator : pest2:meo
Sample : L2447503-07,42,, p
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:53
Operator : pest2:meo
Sample : L2447503-07,42,, p
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

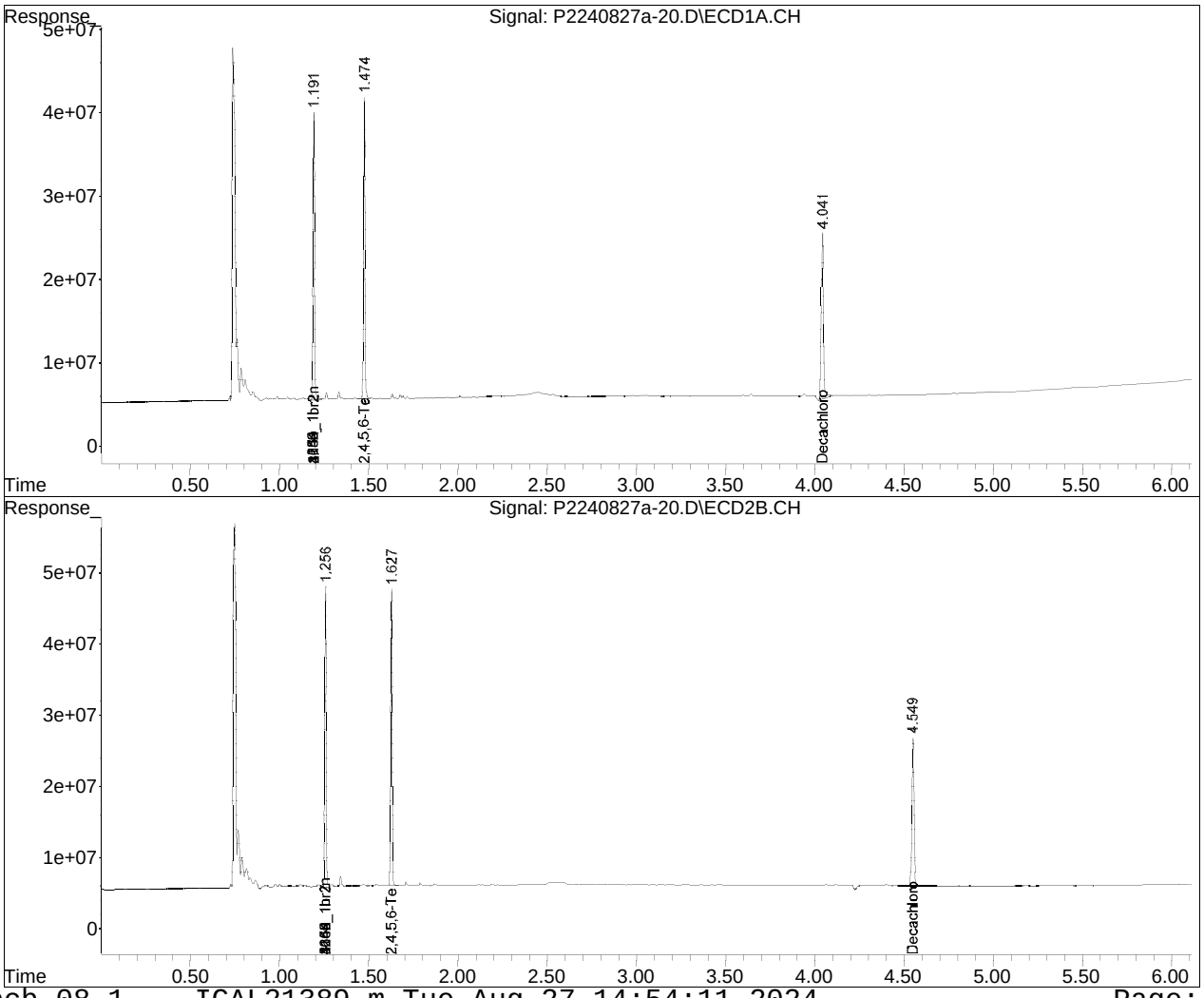
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 13:53
Operator : pest2:meo
Sample : L2447503-07,42,, p
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:12:17 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

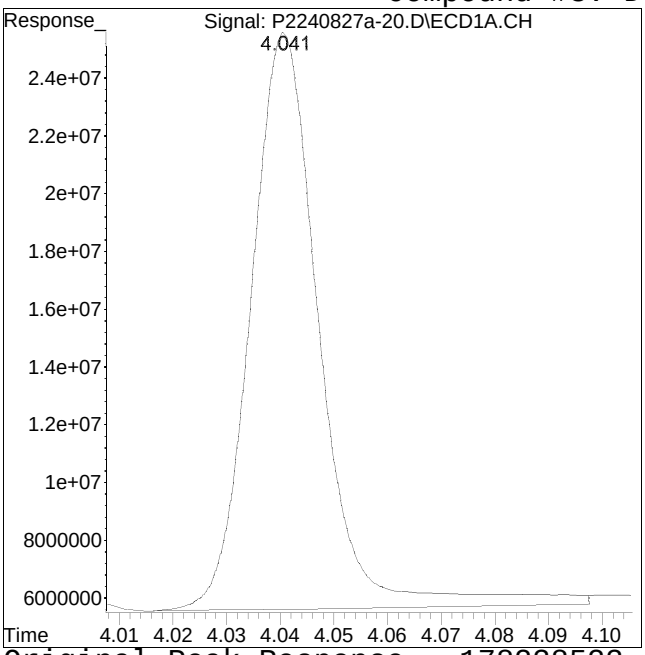
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



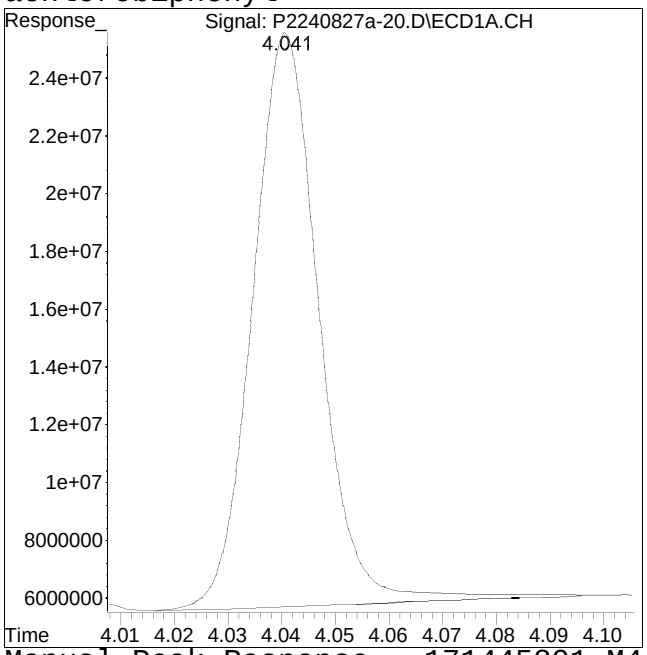
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-20.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:53 Instrument : Pest 2
Sample : L2447503-07,42,, p Quant Date : 8/27/2024 2:12 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 178238523



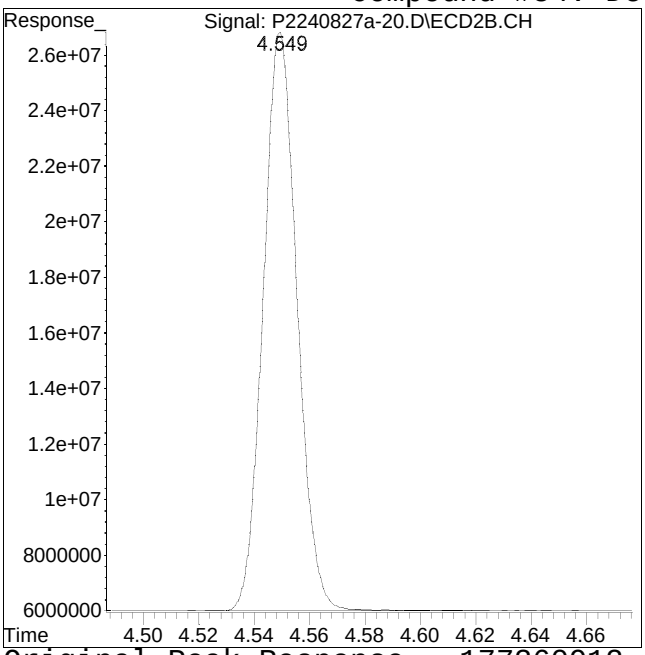
Manual Peak Response = 171445891 M4

M4 = Poor automated baseline construction.

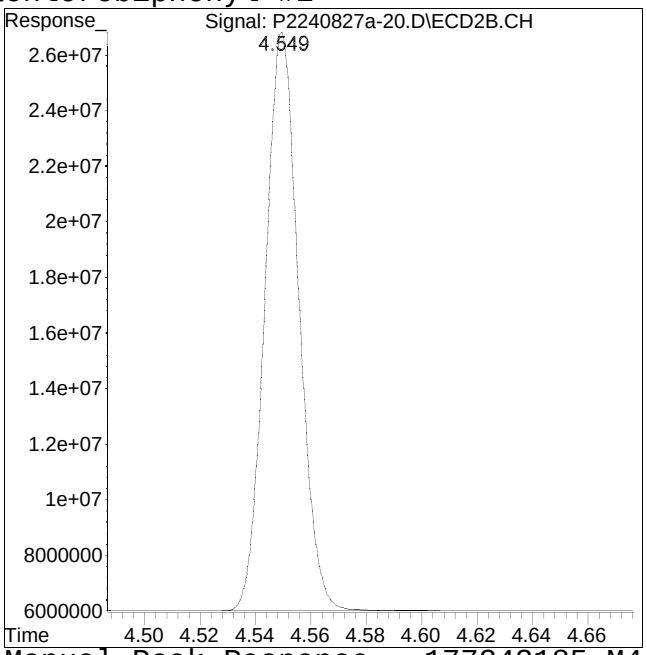
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-20.D Operator : pest2:meo
Date Inj'd : 8/27/2024 13:53 Instrument : Pest 2
Sample : L2447503-07,42,, p Quant Date : 8/27/2024 2:12 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 177360912



Manual Peak Response = 177243185 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:21
Operator : pest2:meo
Sample : L2447503-08,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:22 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	204.7E6	234.8E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		83.63%
	Standard Area 1 : #2 = 263722764				Recovery =		89.02%
14) i	2154_1br2nb	1.193	1.258	204.7E6	234.8E6	25.000	25.000
23) i	4268_1br2nb	1.193	1.258	204.7E6	234.8E6	25.000	25.000
34) i	1248_1br2nb	1.193	1.258	204.7E6	234.8E6	25.000	25.000
40) i	3262_1br2nb	1.193	1.258	204.7E6	234.8E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	212.8E6	238.7E6	16.142	16.826
	Spiked Amount 20.000	Range 30 - 150		Recovery =		80.71%	84.13%
3) s	Decachlorobi	4.040	4.549	176.2E6	180.7E6	18.321M4	19.079
	Spiked Amount 20.000	Range 30 - 150		Recovery =		91.61%	95.40%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
Average	1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:21
Operator : pest2:meo
Sample : L2447503-08,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:22 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D.	N.D.
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:21
Operator : pest2:meo
Sample : L2447503-08,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:22 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

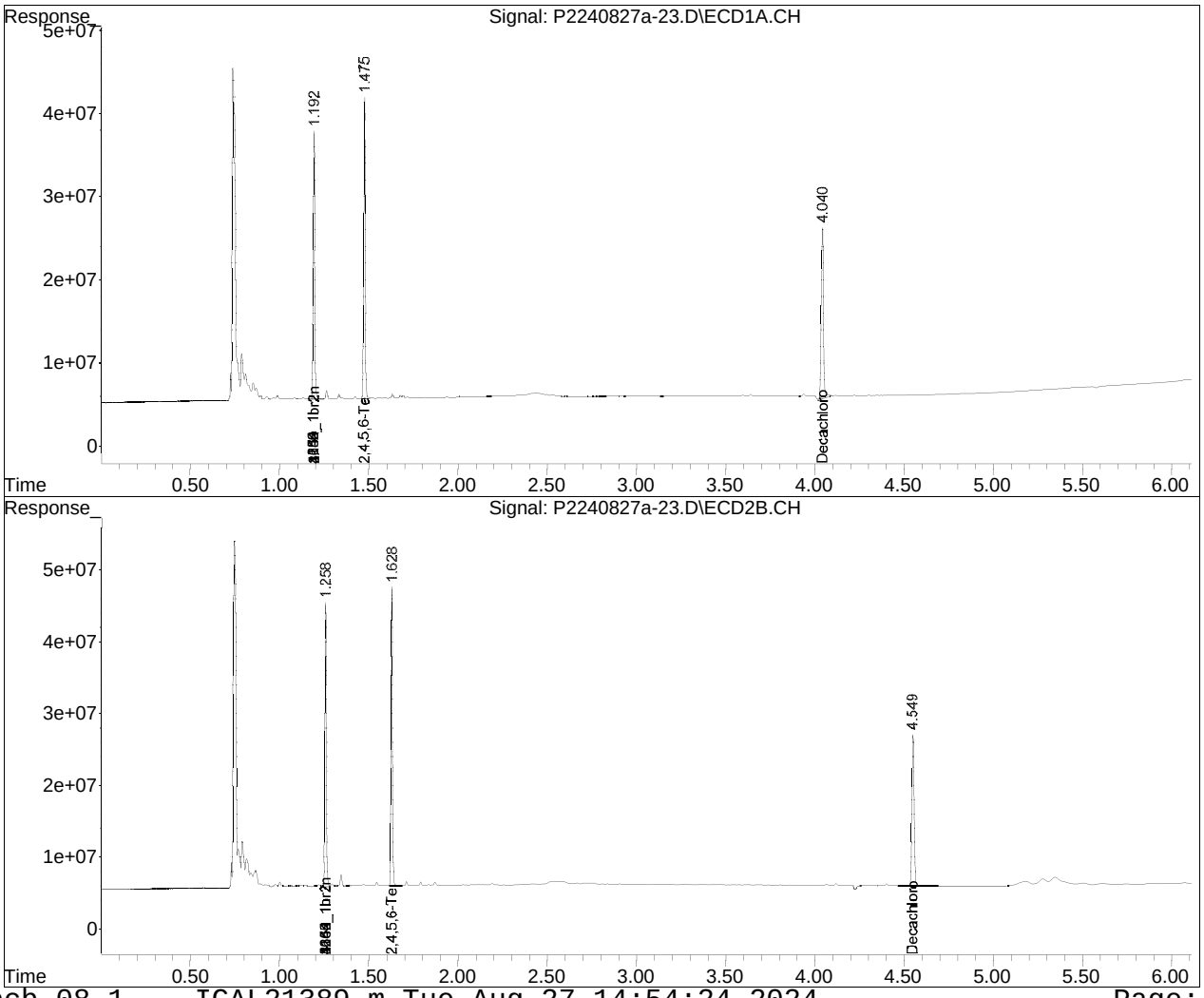
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-23.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:21
Operator : pest2:meo
Sample : L2447503-08,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:22 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

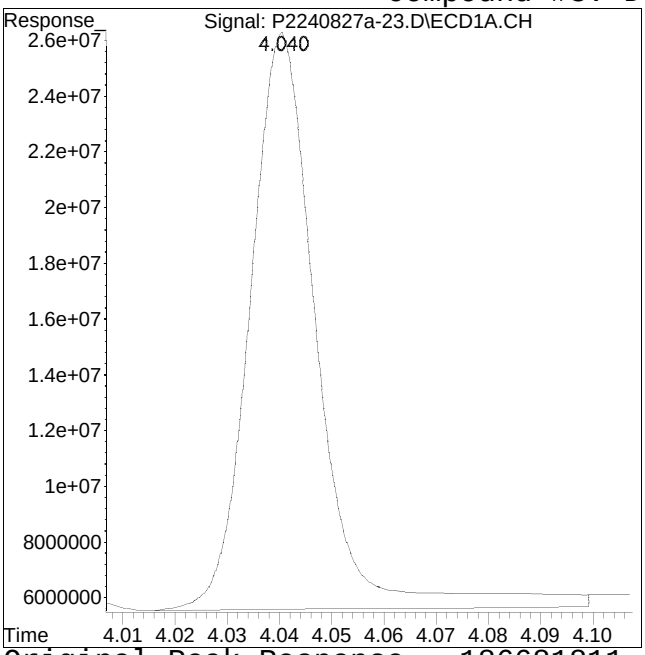
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

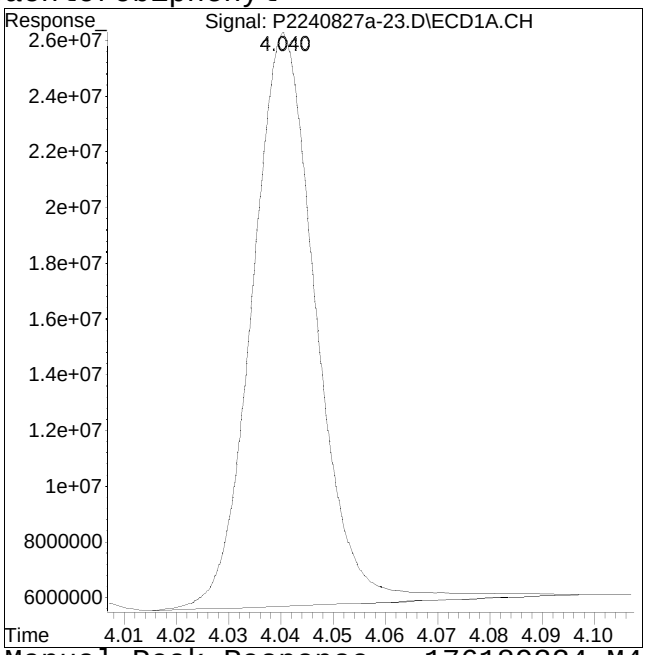


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-23.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:21 Instrument : Pest 2
Sample : L2447503-08,42,, Quant Date : 8/27/2024 2:50 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 186681811 Manual Peak Response = 176189324 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:30
Operator : pest2:meo
Sample : L2447503-09,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:25 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.257	200.1E6	234.1E6	25.000	25.000M4
	Standard Area 1 : #1 = 244804106				Recovery =	81.73%	
	Standard Area 1 : #2 = 263722764				Recovery =	88.78%	
14) i	2154_1br2nb	1.192	1.257	200.1E6	234.1E6	25.000	25.000M4
23) i	4268_1br2nb	1.192	1.257	200.1E6	234.1E6	25.000	25.000M4
34) i	1248_1br2nb	1.192	1.257	200.1E6	234.1E6	25.000	25.000M4
40) i	3262_1br2nb	1.192	1.257	200.1E6	234.1E6	25.000	25.000M4
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	208.2E6	238.2E6	16.162	16.836
	Spiked Amount 20.000	Range 30 - 150			Recovery =	80.81%	84.18%
3) s	Decachlorobi	4.040	4.549	166.7E6	183.0E6	17.735M4	19.375M4
	Spiked Amount 20.000	Range 30 - 150			Recovery =	88.67%	96.88%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:30
Operator : pest2:meo
Sample : L2447503-09,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:25 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2 1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2 1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2 1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2 1260-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1260-1			0	0	N.D.	N.D.
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:30
Operator : pest2:meo
Sample : L2447503-09,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:25 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:30
Operator : pest2:meo
Sample : L2447503-09,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:25 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

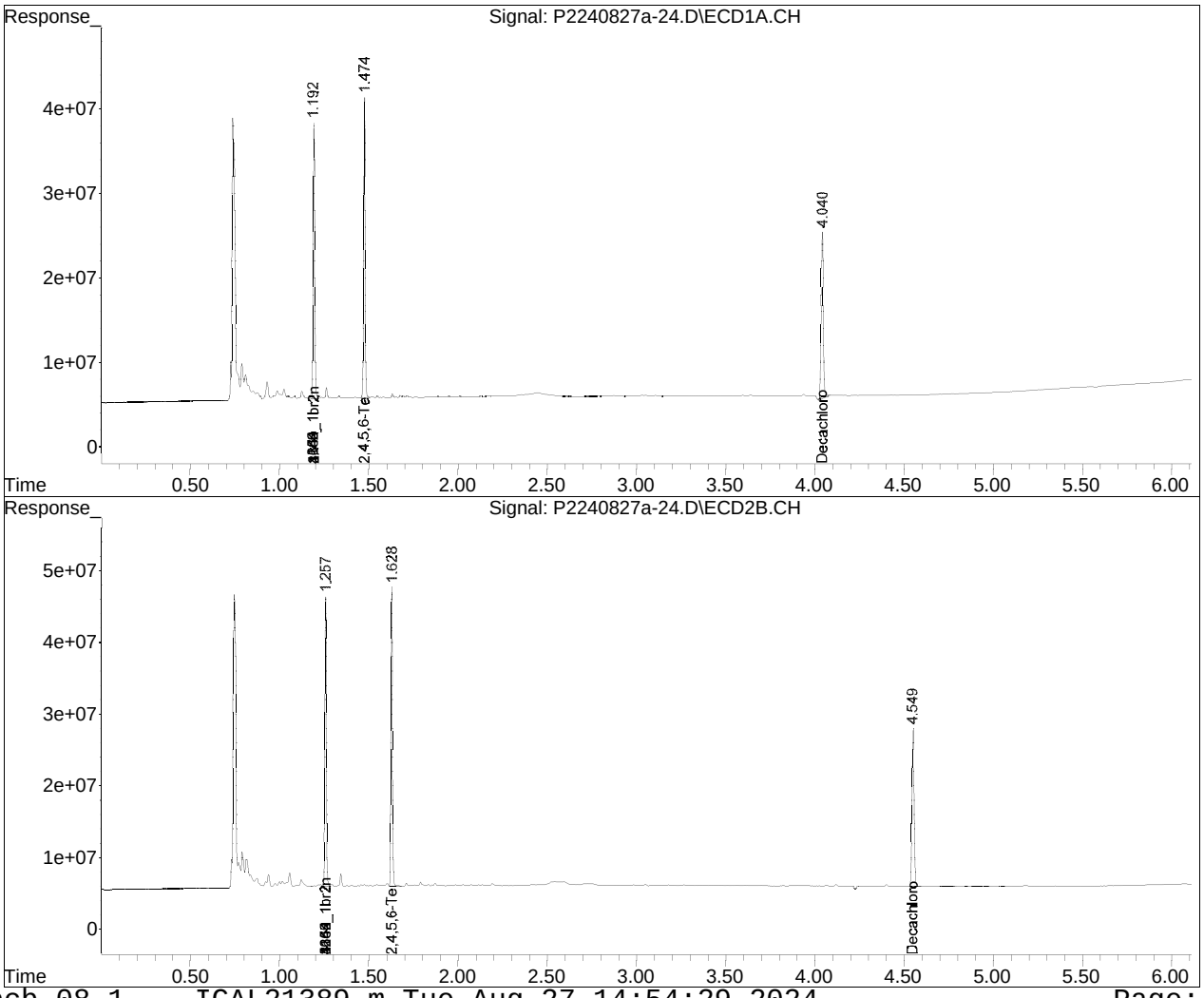
Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-24.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:30
Operator : pest2:meo
Sample : L2447503-09,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:25 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

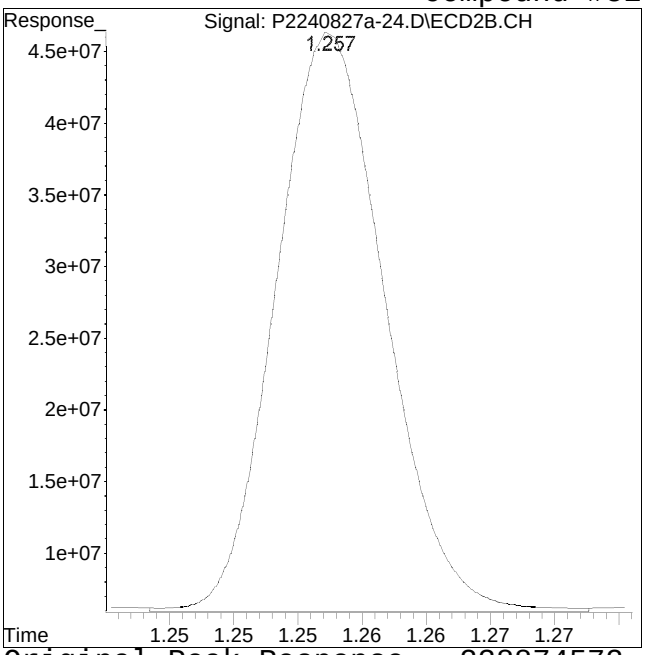
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

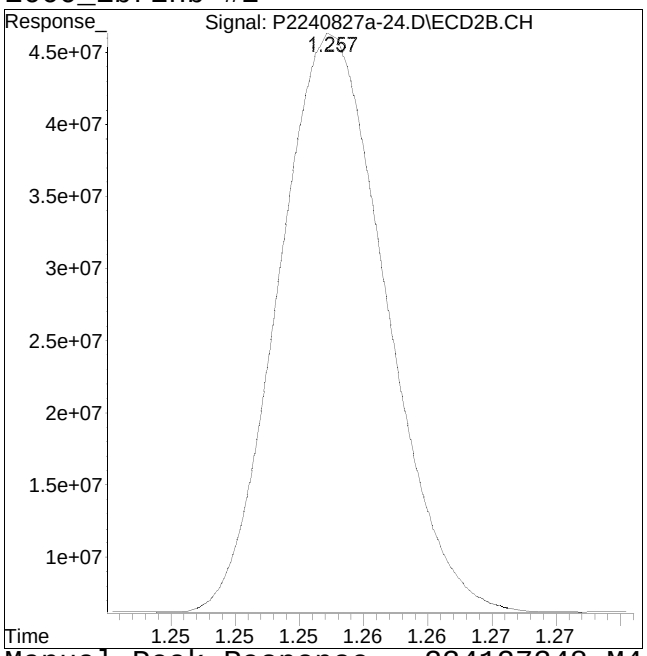


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-24.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:30 Instrument : Pest 2
Sample : L2447503-09,42,, Quant Date : 8/27/2024 2:50 pm

Compound #52: 1660_1br2nb #2



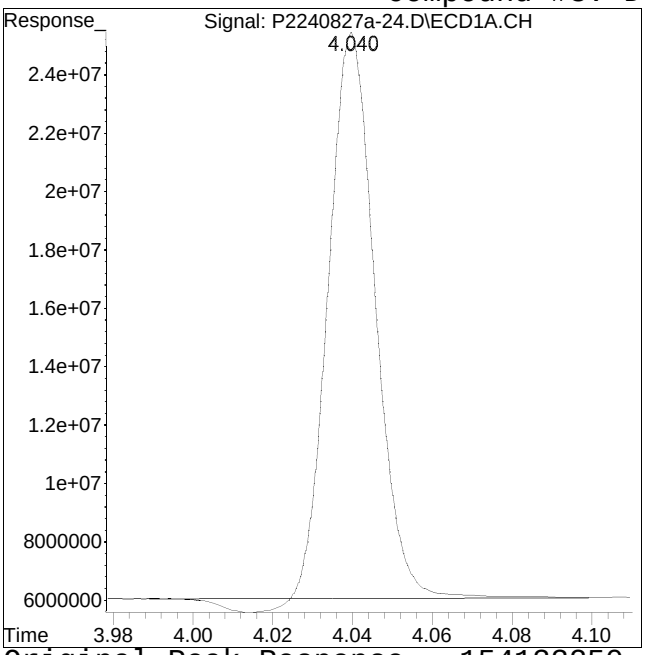


Original Peak Response = 238874572 Manual Peak Response = 234127348 M4
M4 = Poor automated baseline construction.

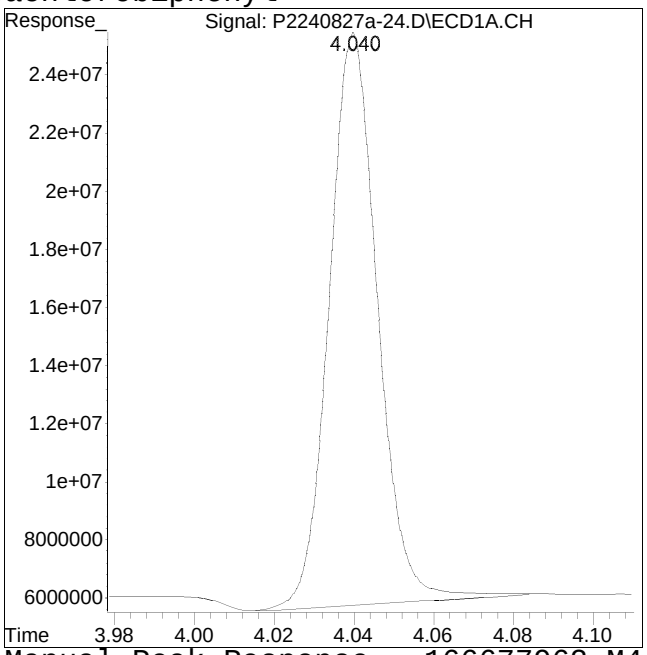
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-24.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:30 Instrument : Pest 2
Sample : L2447503-09,42,, Quant Date : 8/27/2024 2:50 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 154133250



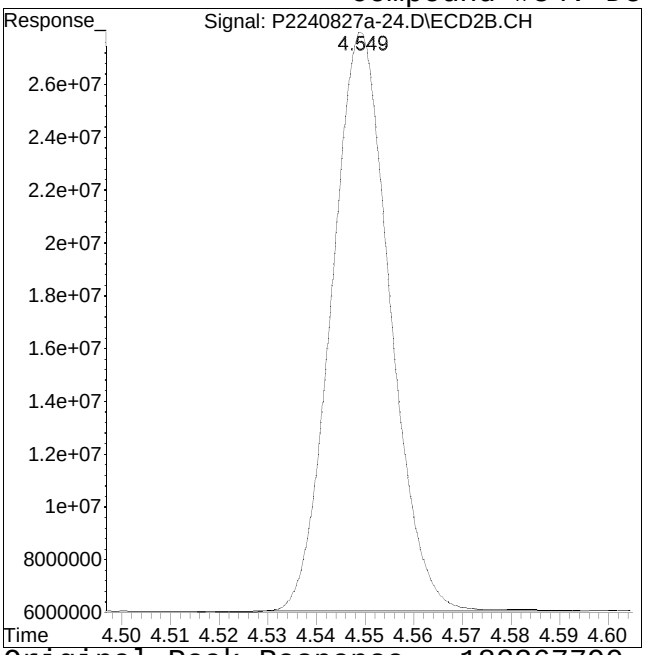
Manual Peak Response = 166677962 M4

M4 = Poor automated baseline construction.

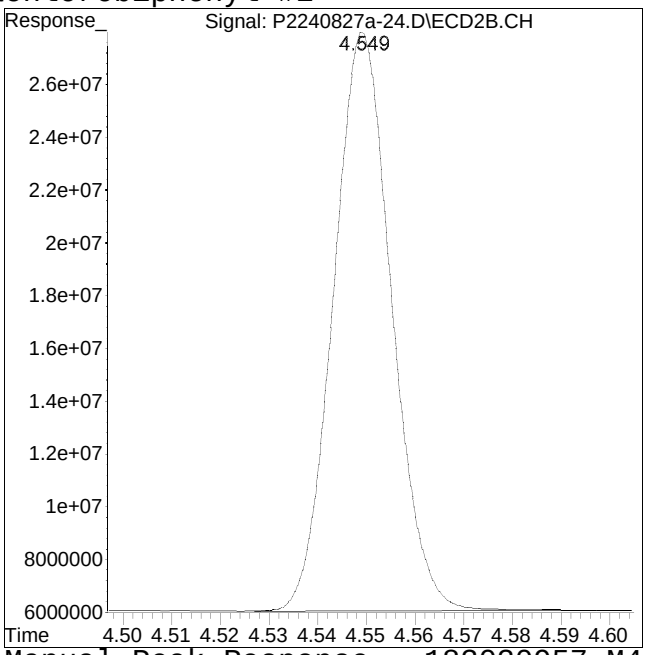
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-24.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:30 Instrument : Pest 2
Sample : L2447503-09,42,, Quant Date : 8/27/2024 2:50 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 182367790



Manual Peak Response = 183030957 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:39
Operator : pest2:meo
Sample : L2447503-10,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:28 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.193	1.258	195.1E6	227.6E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		79.70%
	Standard Area 1 : #2 = 263722764				Recovery =		86.31%
14) i	2154_1br2nb	1.193	1.258	195.1E6	227.6E6	25.000	25.000
23) i	4268_1br2nb	1.193	1.258	195.1E6	227.6E6	25.000	25.000
34) i	1248_1br2nb	1.193	1.258	195.1E6	227.6E6	25.000	25.000
40) i	3262_1br2nb	1.193	1.258	195.1E6	227.6E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.628	202.3E6	222.8E6	16.098	16.193
	Spiked Amount 20.000	Range 30 - 150			Recovery =	80.49%	80.97%
3) s	Decachlorobi	4.040	4.550	150.9E6	155.9E6	16.460M4	16.975
	Spiked Amount 20.000	Range 30 - 150			Recovery =	82.30%	84.88%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D.	N.D.
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:39
Operator : pest2:meo
Sample : L2447503-10,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:28 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D.	N.D.
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:39
Operator : pest2:meo
Sample : L2447503-10,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:28 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D.	N.D.
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

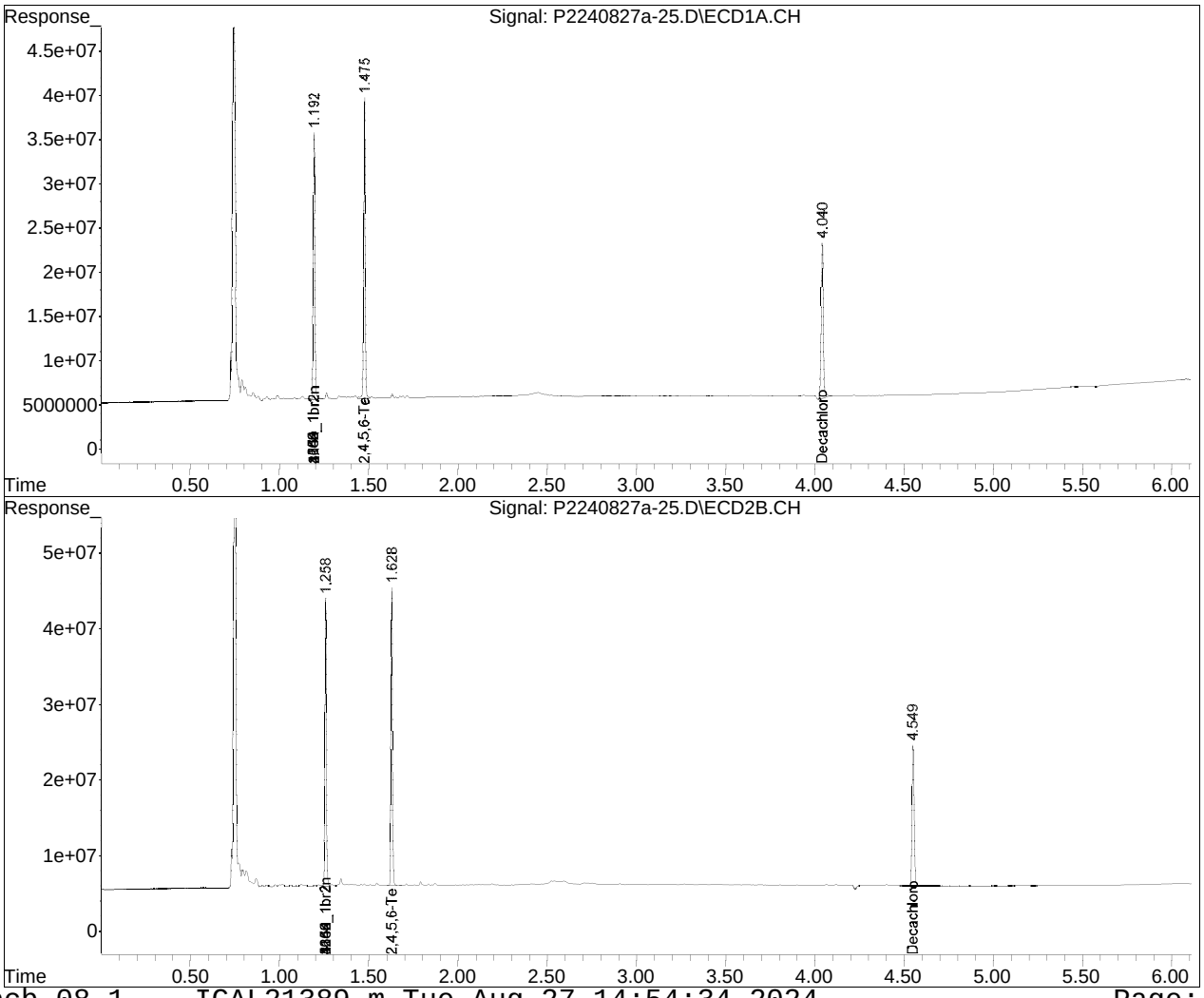
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-25.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:39
Operator : pest2:meo
Sample : L2447503-10,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:50:28 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

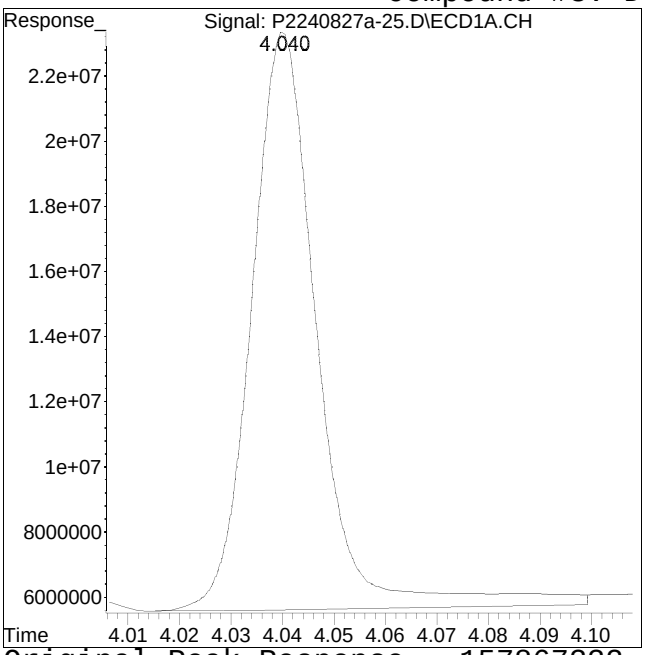
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

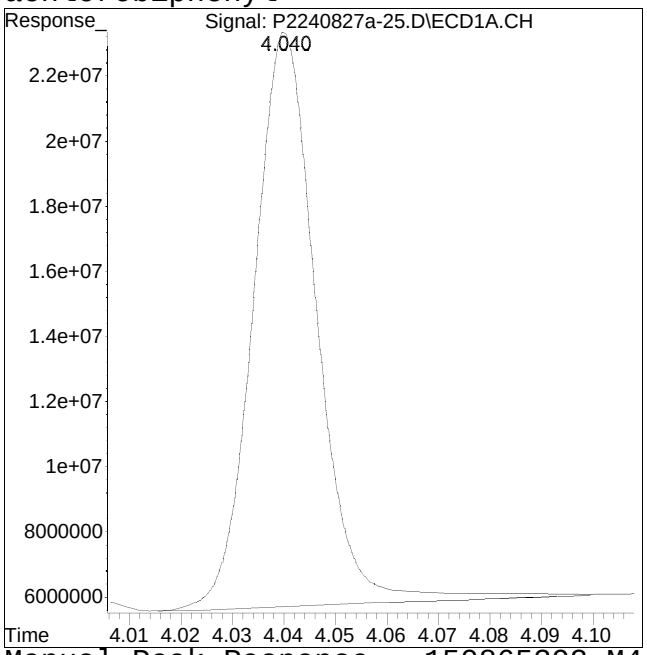


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-25.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:39 Instrument : Pest 2
Sample : L2447503-10,42,, Quant Date : 8/27/2024 2:50 pm

Compound #3: Decachlorobiphenyl





Original Peak Response = 157867332 Manual Peak Response = 150865392 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:49
Operator : pest2:meo
Sample : L2447503-11,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:59:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.258	200.0E6	233.6E6	25.000	25.000
	Standard Area 1 : #1 = 244804106				Recovery =		81.69%
	Standard Area 1 : #2 = 263722764				Recovery =		88.58%
14) i	2154_1br2nb	1.192	1.258	200.0E6	233.6E6	25.000	25.000
23) i	4268_1br2nb	1.192	1.258	200.0E6	233.6E6	25.000	25.000
34) i	1248_1br2nb	1.192	1.258	200.0E6	233.6E6	25.000	25.000
40) i	3262_1br2nb	1.192	1.258	200.0E6	233.6E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.629	213.1E6	236.9E6	16.544	16.779
	Spiked Amount 20.000	Range 30 - 150			Recovery =	82.72%	83.89%
3) s	Decachlorobi	4.041	4.550	119.6E6	124.0E6	12.735M4	13.157
	Spiked Amount 20.000	Range 30 - 150			Recovery =	63.67%	65.79%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D.	N.D.
10) l2	1260-2	0.000	0.000	0	0	N.D.	N.D.
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:49
Operator : pest2:meo
Sample : L2447503-11,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:59:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D.	N.D.
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D.	N.D.
22) l4 1254-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D.	N.D.
37) l7 1248-3	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:49
Operator : pest2:meo
Sample : L2447503-11,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:59:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D.	N.D.
39) l7 1248-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D.	N.D.
47) l8 1262-2	0.000	0.000	0	0	N.D.	N.D.
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

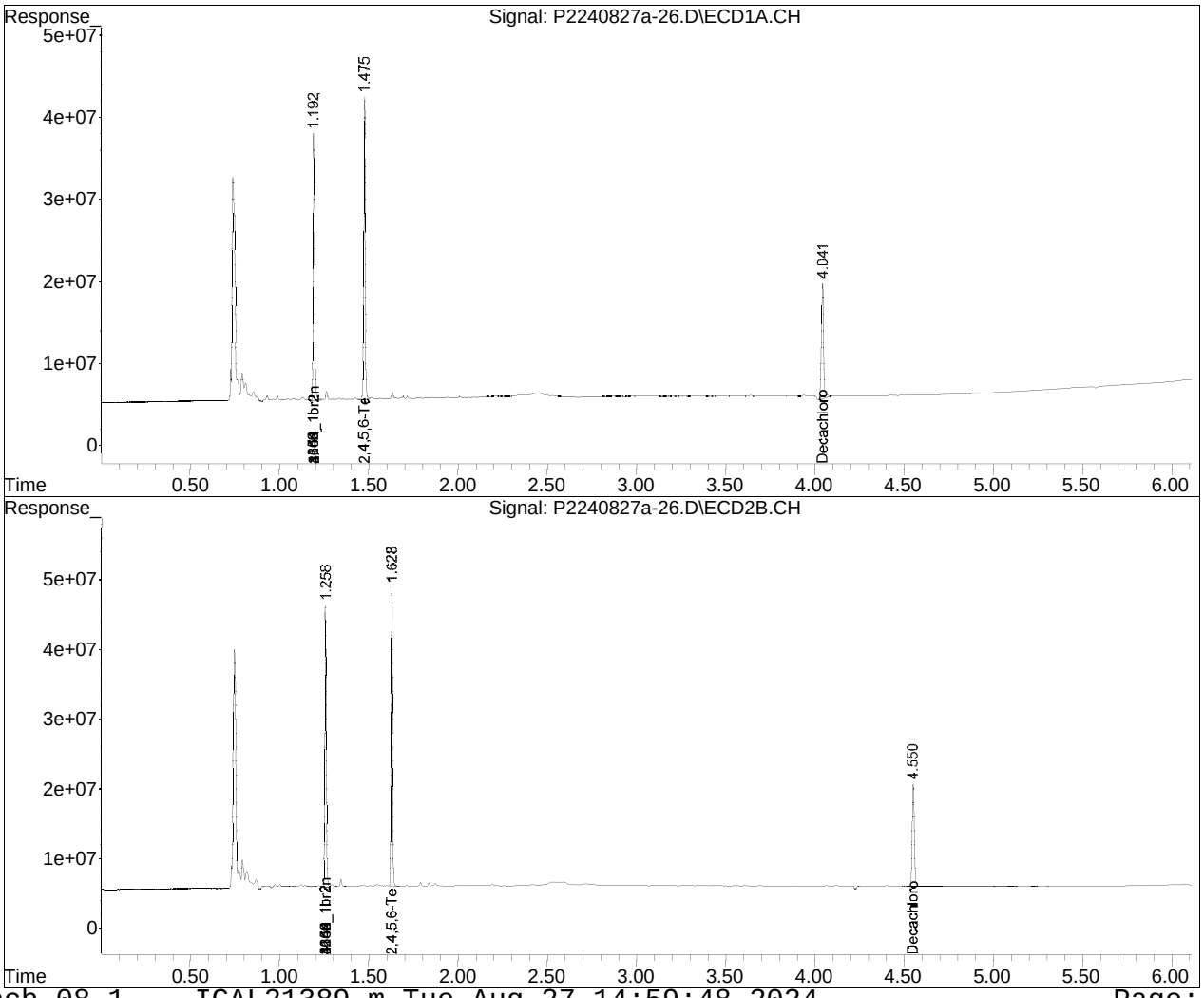
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-26.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:49
Operator : pest2:meo
Sample : L2447503-11,42,,
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:59:11 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

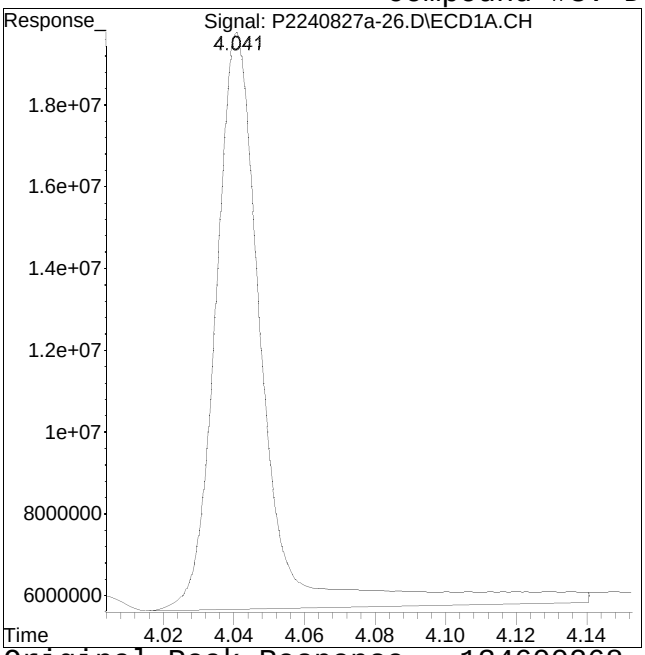
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



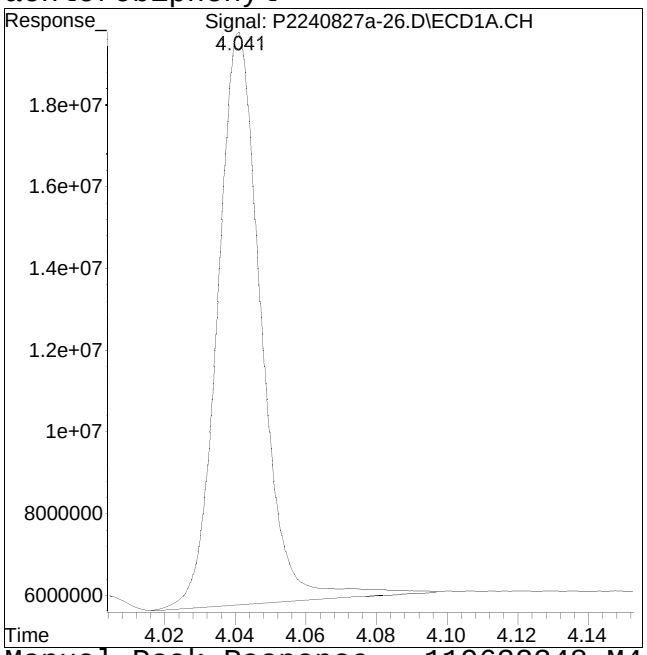
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-26.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:49 Instrument : Pest 2
Sample : L2447503-11,42,, Quant Date : 8/27/2024 2:59 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 134600268



Manual Peak Response = 119632348 M4

M4 = Poor automated baseline construction.

Aroclor Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra	1.625	1.528	1.620	1.596	1.627	1.609	1.664	1.610	2.58
3)	s	Decachlorobip	1.201	1.192	1.147	1.204	1.180	1.140	1.156	1.174	2.25
4)	l1	1016-1	0.032	0.030	0.029	0.029	0.028	0.027	0.027	0.029	5.61
5)	l1	1016-2	0.046	0.052	0.060	0.058	0.058	0.053	0.054	0.054	8.88
6)	l1	1016-3	0.128	0.121	0.120	0.124	0.125	0.122	0.125	0.124	2.44
7)	l1	1016-4	0.053	0.050	0.051	0.051	0.050	0.049	0.050	0.051	2.61
8)	l1	1016-5	0.075	0.068	0.058	0.057	0.054	0.052	0.053	0.059	14.41
9)	l2	1260-1	0.084	0.076	0.075	0.080	0.077	0.074	0.075	0.077	4.47
10)	l2	1260-2	0.115	0.114	0.114	0.118	0.115	0.111	0.114	0.115	1.77
11)	l2	1260-3	0.065	0.068	0.067	0.072	0.074	0.072	0.073	0.070	4.83
12)	l2	1260-4	0.141	0.145	0.149	0.152	0.155	0.152	0.158	0.150	3.76
13)	l2	1260-5	0.115	0.109	0.108	0.112	0.112	0.109	0.115	0.111	2.71
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.017			0.017	0.00
16)	l3	1221-3					0.010			0.010	0.00
17)	l3	1221-4					0.041			0.041	0.00
18)	l4	1254-1					0.054			0.054	0.00
19)	l4	1254-2					0.097			0.097	0.00
20)	l4	1254-3					0.108			0.108	0.00
21)	l4	1254-4					0.075			0.075	0.00
22)	l4	1254-5					0.104			0.104	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.021			0.021	0.00
25)	l6	1242-2					0.043			0.043	0.00
26)	l6	1242-3					0.093			0.093	0.00
27)	l6	1242-4					0.040			0.040	0.00
28)	l6	1242-5					0.031			0.031	0.00
29)	l9	1268-1					0.201			0.201	0.00
30)	l9	1268-2					0.195			0.195	0.00
31)	l9	1268-3					0.155			0.155	0.00
32)	l9	1268-4					0.072			0.072	0.00
33)	l9	1268-5					0.471			0.471	0.00
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.060			0.060	0.00
36)	l7	1248-2					0.078			0.078	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3					0.069			0.069	0.00
38) l7	1248-4					0.058			0.058	0.00
39) l7	1248-5					0.052			0.052	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.031			0.031	0.00
42) l5	1232-2					0.026			0.026	0.00
43) l5	1232-3					0.058			0.058	0.00
44) l5	1232-4					0.025			0.025	0.00
45) l5	1232-5					0.017			0.017	0.00
46) l8	1262-1					0.089			0.089	0.00
47) l8	1262-2					0.113			0.113	0.00
48) l8	1262-3					0.098			0.098	0.00
49) l8	1262-4					0.184			0.184	0.00
50) l8	1262-5					0.061			0.061	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Signal #2 Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra	1.539	1.550	1.576	1.489	1.528	1.453	1.441	1.511	3.37
3)	s	Decachlorobip	1.065	1.117	1.054	1.023	0.987	0.920	0.895	1.009	7.95
4)	l1	1016-1	0.033	0.029	0.028	0.029	0.027	0.024	0.024	0.028	11.25
5)	l1	1016-2	0.065	0.065	0.064	0.063	0.060	0.054	0.051	0.060	9.28
6)	l1	1016-3	0.135	0.128	0.122	0.122	0.118	0.110	0.107	0.120	8.26
7)	l1	1016-4	0.066	0.051	0.050	0.051	0.048	0.044	0.043	0.051	14.90
8)	l1	1016-5	0.041	0.037	0.037	0.039	0.037	0.034	0.032	0.037	7.85
9)	l2	1260-1	0.062	0.070	0.071	0.071	0.072	0.065	0.064	0.068	6.22
10)	l2	1260-2	0.099	0.094	0.090	0.090	0.088	0.079	0.077	0.088	8.94
11)	l2	1260-3	0.076	0.078	0.073	0.073	0.072	0.066	0.063	0.071	7.52
12)	l2	1260-4	0.157	0.146	0.145	0.140	0.141	0.132	0.128	0.141	6.90
13)	l2	1260-5	0.124	0.108	0.106	0.105	0.100	0.094	0.090	0.104	10.55
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.018			0.018	0.00
16)	l3	1221-3					0.011			0.011	0.00
17)	l3	1221-4					0.037			0.037	0.00
18)	l4	1254-1					0.057			0.057	0.00
19)	l4	1254-2					0.067			0.067	0.00
20)	l4	1254-3					0.100			0.100	0.00
21)	l4	1254-4					0.068			0.068	0.00
22)	l4	1254-5					0.096			0.096	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.020			0.020	0.00
25)	l6	1242-2					0.044			0.044	0.00
26)	l6	1242-3					0.089			0.089	0.00
27)	l6	1242-4					0.035			0.035	0.00
28)	l6	1242-5					0.029			0.029	0.00
29)	l9	1268-1					0.174			0.174	0.00
30)	l9	1268-2					0.158			0.158	0.00
31)	l9	1268-3					0.131			0.131	0.00
32)	l9	1268-4					0.060			0.060	0.00
33)	l9	1268-5					0.383			0.383	0.00
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.059			0.059	0.00
36)	l7	1248-2					0.041			0.041	0.00

Initial Calibration Summary
Form 6
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**
Instrument ID	**: PEST2**	**Ical Ref**	**: ICAL21389**
Calibration dates	**: 08/13/24 10:14 08/13/24 11:48**		

Signal #2 Calibration Files

1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D

6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
37) l7	1248-3					0.051			0.051	0.00
38) l7	1248-4					0.056			0.056	0.00
39) l7	1248-5					0.063			0.063	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.029			0.029	0.00
42) l5	1232-2					0.029			0.029	0.00
43) l5	1232-3					0.054			0.054	0.00
44) l5	1232-4					0.022			0.022	0.00
45) l5	1232-5					0.016			0.016	0.00
46) l8	1262-1					0.068			0.068	0.00
47) l8	1262-2					0.088			0.088	0.00
48) l8	1262-3					0.082			0.082	0.00
49) l8	1262-4					0.151			0.151	0.00
50) l8	1262-5					0.056			0.056	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
1)	i	1660_1br2nb	----------ISTD----------								
2)	s	2,4,5,6-Tetra...	1.625	1.528	1.620	1.596	1.627	1.609	1.664	1.610	2.58
3)	s	Decachlorobip...	1.201	1.192	1.147	1.204	1.180	1.140	1.156	1.174	2.25
4)	l1	1016-1	0.032	0.030	0.029	0.029	0.028	0.027	0.027	0.029	5.61
5)	l1	1016-2	0.046	0.052	0.060	0.058	0.058	0.053	0.054	0.054	8.88
6)	l1	1016-3	0.128	0.121	0.120	0.124	0.125	0.122	0.125	0.124	2.44
7)	l1	1016-4	0.053	0.050	0.051	0.051	0.050	0.049	0.050	0.051	2.61
8)	l1	1016-5	0.075	0.068	0.058	0.057	0.054	0.052	0.053	0.059	14.41
9)	l2	1260-1	0.084	0.076	0.075	0.080	0.077	0.074	0.075	0.077	4.47
10)	l2	1260-2	0.115	0.114	0.114	0.118	0.115	0.111	0.114	0.115	1.77
11)	l2	1260-3	0.065	0.068	0.067	0.072	0.074	0.072	0.073	0.070	4.83
12)	l2	1260-4	0.141	0.145	0.149	0.152	0.155	0.152	0.158	0.150	3.76
13)	l2	1260-5	0.115	0.109	0.108	0.112	0.112	0.109	0.115	0.111	2.71
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.017			0.017	0.00
16)	l3	1221-3					0.010			0.010	0.00
17)	l3	1221-4					0.041			0.041	0.00
18)	l4	1254-1					0.054			0.054	0.00
19)	l4	1254-2					0.097			0.097	0.00
20)	l4	1254-3					0.108			0.108	0.00
21)	l4	1254-4					0.075			0.075	0.00
22)	l4	1254-5					0.104			0.104	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.021			0.021	0.00
25)	l6	1242-2					0.043			0.043	0.00
26)	l6	1242-3					0.093			0.093	0.00
27)	l6	1242-4					0.040			0.040	0.00
28)	l6	1242-5					0.031			0.031	0.00
29)	l9	1268-1					0.201			0.201	0.00

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
30) l9	1268-2					0.195			0.195	0.00
31) l9	1268-3					0.155			0.155	0.00
32) l9	1268-4					0.072			0.072	0.00
33) l9	1268-5					0.471			0.471	0.00
34) i	1248_1br2nb	----------ISTD----------								
35) l7	1248-1					0.060			0.060	0.00
36) l7	1248-2					0.078			0.078	0.00
37) l7	1248-3					0.069			0.069	0.00
38) l7	1248-4					0.058			0.058	0.00
39) l7	1248-5					0.052			0.052	0.00
40) i	3262_1br2nb	----------ISTD----------								
41) l5	1232-1					0.031			0.031	0.00
42) l5	1232-2					0.026			0.026	0.00
43) l5	1232-3					0.058			0.058	0.00
44) l5	1232-4					0.025			0.025	0.00
45) l5	1232-5					0.017			0.017	0.00
46) l8	1262-1					0.089			0.089	0.00
47) l8	1262-2					0.113			0.113	0.00
48) l8	1262-3					0.098			0.098	0.00
49) l8	1262-4					0.184			0.184	0.00
50) l8	1262-5					0.061			0.061	0.00

Signal #2 Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

	Compound	1	2	3	4	5	6	7	Avg	%RSD
1) i	1660_1br2nb	----------ISTD----------								
2) s	2,4,5,6-Tetra...	1.539	1.550	1.576	1.489	1.528	1.453	1.441	1.511	3.37

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
3)	s	Decachlorobip...	1.065	1.117	1.054	1.023	0.987	0.920	0.895	1.009	7.95
4)	l1	1016-1	0.033	0.029	0.028	0.029	0.027	0.024	0.024	0.028	11.25
5)	l1	1016-2	0.065	0.065	0.064	0.063	0.060	0.054	0.051	0.060	9.28
6)	l1	1016-3	0.135	0.128	0.122	0.122	0.118	0.110	0.107	0.120	8.26
7)	l1	1016-4	0.066	0.051	0.050	0.051	0.048	0.044	0.043	0.051	14.90
8)	l1	1016-5	0.041	0.037	0.037	0.039	0.037	0.034	0.032	0.037	7.85
9)	l2	1260-1	0.062	0.070	0.071	0.071	0.072	0.065	0.064	0.068	6.22
10)	l2	1260-2	0.099	0.094	0.090	0.090	0.088	0.079	0.077	0.088	8.94
11)	l2	1260-3	0.076	0.078	0.073	0.073	0.072	0.066	0.063	0.071	7.52
12)	l2	1260-4	0.157	0.146	0.145	0.140	0.141	0.132	0.128	0.141	6.90
13)	l2	1260-5	0.124	0.108	0.106	0.105	0.100	0.094	0.090	0.104	10.55
14)	i	2154_1br2nb	----------ISTD----------								
15)	l3	1221-2					0.018			0.018	0.00
16)	l3	1221-3					0.011			0.011	0.00
17)	l3	1221-4					0.037			0.037	0.00
18)	l4	1254-1					0.057			0.057	0.00
19)	l4	1254-2					0.067			0.067	0.00
20)	l4	1254-3					0.100			0.100	0.00
21)	l4	1254-4					0.068			0.068	0.00
22)	l4	1254-5					0.096			0.096	0.00
23)	i	4268_1br2nb	----------ISTD----------								
24)	l6	1242-1					0.020			0.020	0.00
25)	l6	1242-2					0.044			0.044	0.00
26)	l6	1242-3					0.089			0.089	0.00
27)	l6	1242-4					0.035			0.035	0.00
28)	l6	1242-5					0.029			0.029	0.00
29)	l9	1268-1					0.174			0.174	0.00
30)	l9	1268-2					0.158			0.158	0.00
31)	l9	1268-3					0.131			0.131	0.00
32)	l9	1268-4					0.060			0.060	0.00
33)	l9	1268-5					0.383			0.383	0.00

Response Factor Report Pest 2

Method Path : I:\PCB\Pest2\2024\240813I\
Method File : P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Title : pcb
Last Update : Tue Aug 13 13:35:50 2024
Response Via : Initial Calibration

Calibration Files
1 =P2240813i-09.D 2 =P2240813i-10.D 3 =P2240813i-11.D 4 =P2240813i-12.D 5 =P2240813i-08.D
6 =P2240813i-14.D 7 =P2240813i-15.D

		Compound	1	2	3	4	5	6	7	Avg	%RSD
34)	i	1248_1br2nb	----------ISTD----------								
35)	l7	1248-1					0.059			0.059	0.00
36)	l7	1248-2					0.041			0.041	0.00
37)	l7	1248-3					0.051			0.051	0.00
38)	l7	1248-4					0.056			0.056	0.00
39)	l7	1248-5					0.063			0.063	0.00
40)	i	3262_1br2nb	----------ISTD----------								
41)	l5	1232-1					0.029			0.029	0.00
42)	l5	1232-2					0.029			0.029	0.00
43)	l5	1232-3					0.054			0.054	0.00
44)	l5	1232-4					0.022			0.022	0.00
45)	l5	1232-5					0.016			0.016	0.00
46)	l8	1262-1					0.068			0.068	0.00
47)	l8	1262-2					0.088			0.088	0.00
48)	l8	1262-3					0.082			0.082	0.00
49)	l8	1262-4					0.151			0.151	0.00
50)	l8	1262-5					0.056			0.056	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	1.190	1.256	198.4E6	231.1E6	25.000	25.000
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.611	1.827	41311753	46105060	250.000	250.919M4
25) l6	1242-2	1.753	1.998	85737554	102.1E6	250.000	251.972M4
26) l6	1242-3	1.942	2.199	185.4E6	205.2E6	250.000	250.000
27) l6	1242-4	1.998	2.259	79813588	81713640	250.000	250.000
28) l6	1242-5	2.350	2.645	61464460	66967001	250.000	250.000
Sum	1242-1			453.7E6	502.2E6	1250.000	1252.892
Average	1242-1					250.000	250.578
29) l9	1268-1	3.475	3.899	399.2E6	401.6E6	250.000	250.000
30) l9	1268-2	3.496	3.925	386.9E6	365.7E6	250.000	250.000
31) l9	1268-3	3.598	4.067	306.7E6	303.1E6	250.000	250.000
32) l9	1268-4	3.786	4.220	142.8E6	139.8E6	250.000	250.000
33) l9	1268-5	3.940	4.407	933.8E6	884.5E6	250.000	250.000
Sum	1268-1			2169.4E6	2094.6E6	NoCal	NoCal D
Average	1268-1					250.000	250.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound		RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

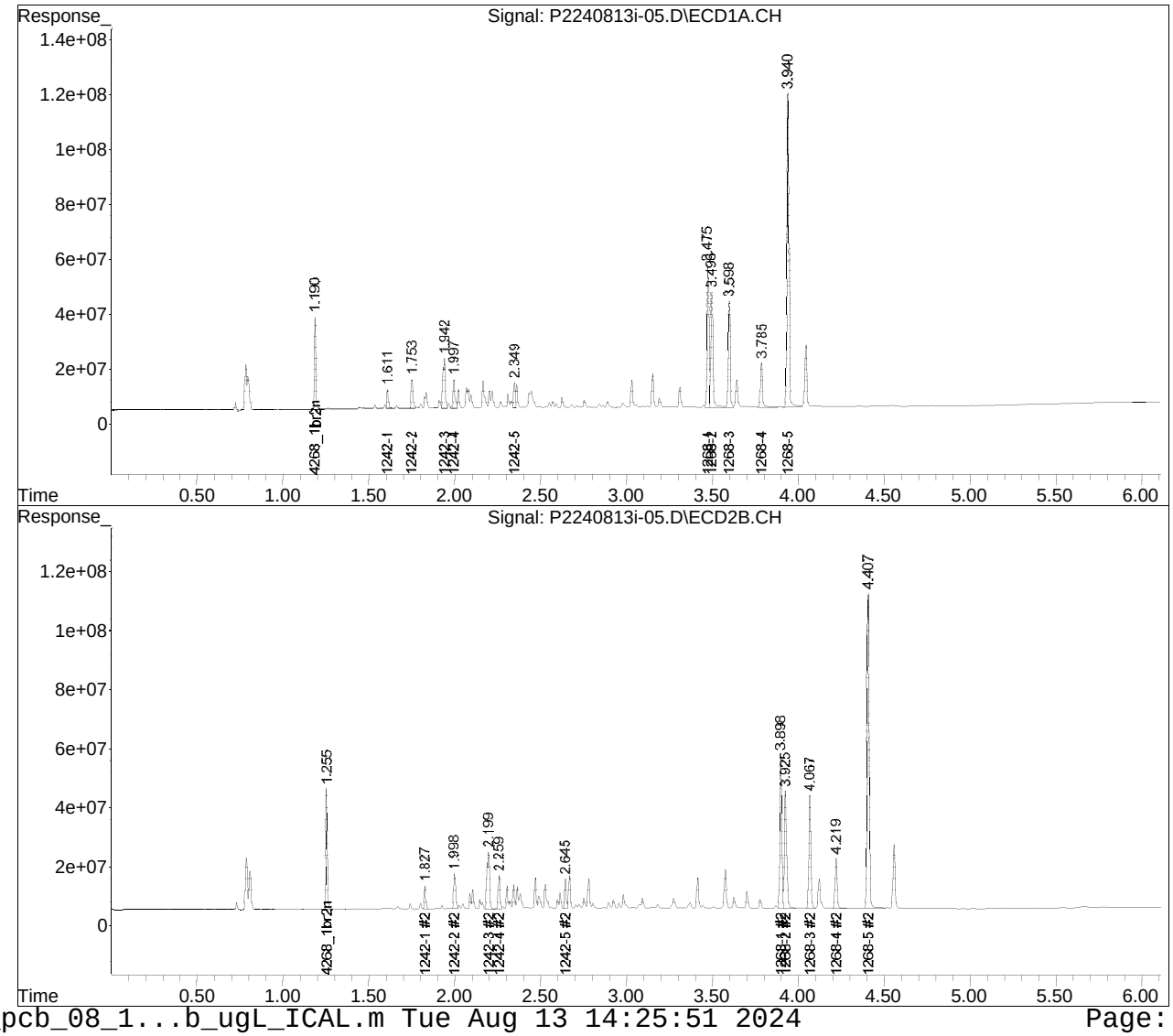
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-05.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:14
Operator : pest2:rmp
Sample : il54268,42e,,pp 11644 L250LVI
Misc : WG1958782,
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:22:54 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:22:42 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

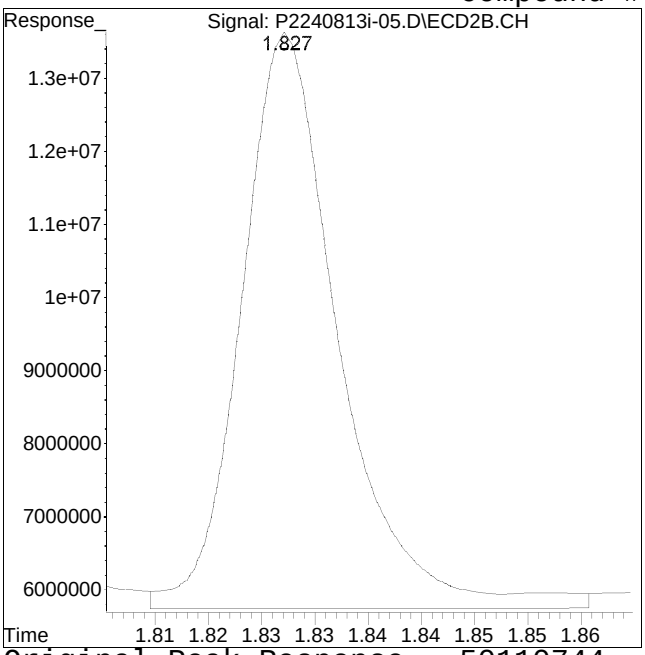
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

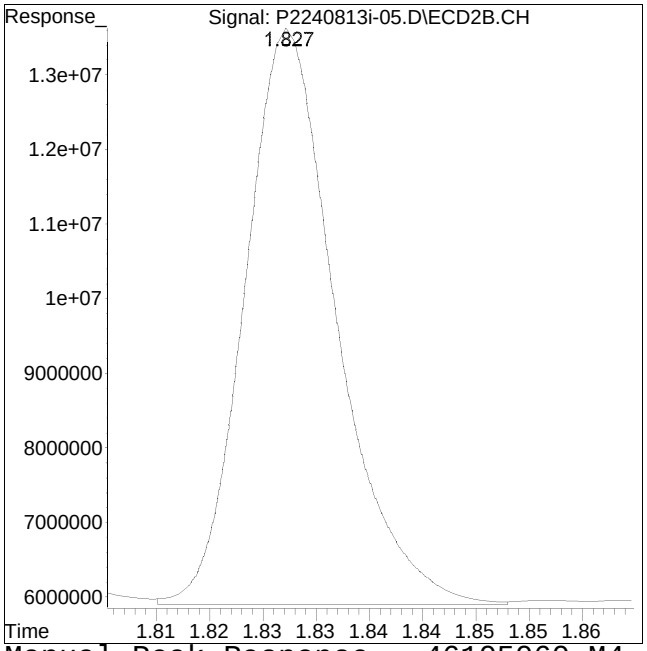


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-05.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:14 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 8/13/2024 1:22 pm

Compound #75: 1242-1 #2



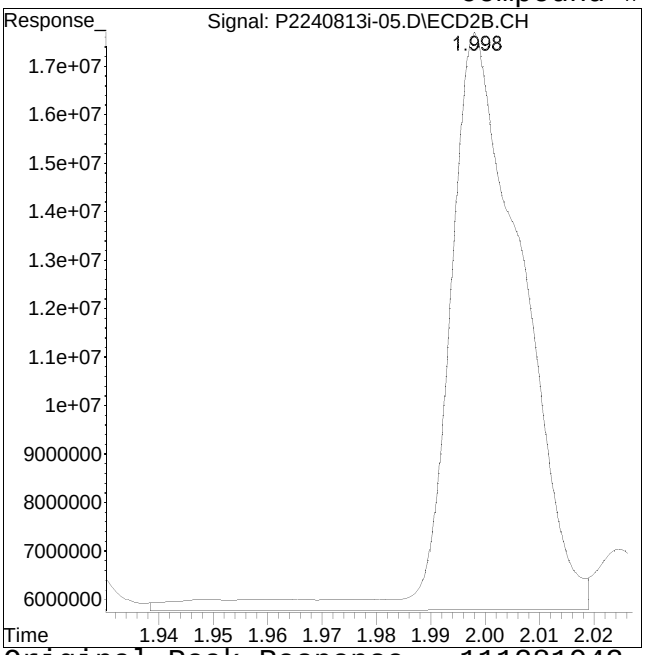


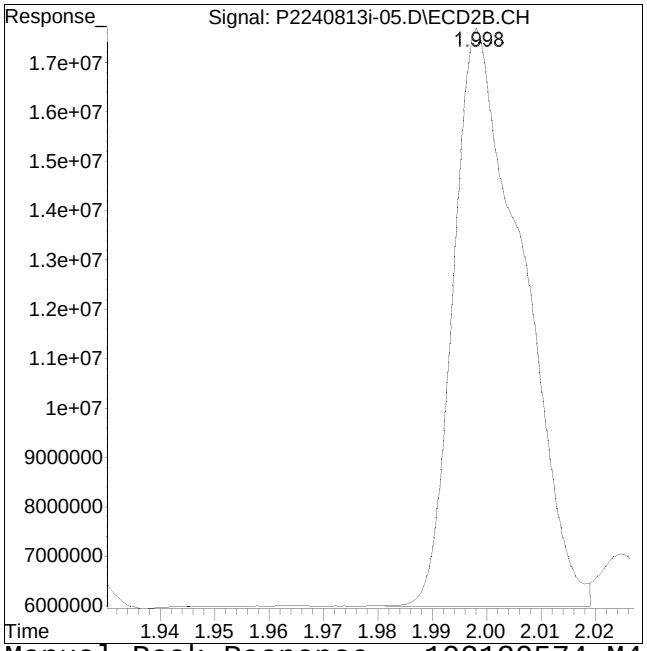
Original Peak Response = 50110744 Manual Peak Response = 46105060 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-05.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:14 Instrument : Pest 2
Sample : il54268,42e,,pp 11644 L250Quant Date : 8/13/2024 1:22 pm

Compound #76: 1242-2 #2





Original Peak Response = 111281942 Manual Peak Response = 102120574 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	1.191	1.256	181.7E6	219.3E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150		Recovery =	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	1.612	1.827	56306142	62984601	246.596M4	251.193M4
42) l5	1232-2	1.753	1.997	47740730	63121277	253.969M4	245.162M4
43) l5	1232-3	1.942	2.199	105.5E6	118.6E6	244.235M4	247.647M4
44) l5	1232-4	1.997	2.259	44538637	48724114	231.313M4	246.147M4
45) l5	1232-5	2.349	2.645	30033612	35817221	245.425M4	225.716M4
Sum	1232-1			284.1E6	329.2E6	1221.538	1215.865
Average	1232-1					244.308	243.173
46) l8	1262-1	2.840	3.181	161.2E6	150.0E6	250.216	249.941
47) l8	1262-2	3.032	3.415	205.4E6	193.1E6	250.216	249.941
48) l8	1262-3	3.156	3.574	177.8E6	180.6E6	250.216	249.941
49) l8	1262-4	3.311	3.703	334.8E6	330.6E6	254.606M3	249.941
50) l8	1262-5	3.786	4.220	110.8E6	123.5E6	250.216	249.941
Sum	1262-1			990.0E6	977.7E6	1255.470	1249.703
Average	1262-1					251.094	249.941

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			990.0E6	977.7E6	1255.470	1249.703
Average	1262-1					251.094	249.941

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

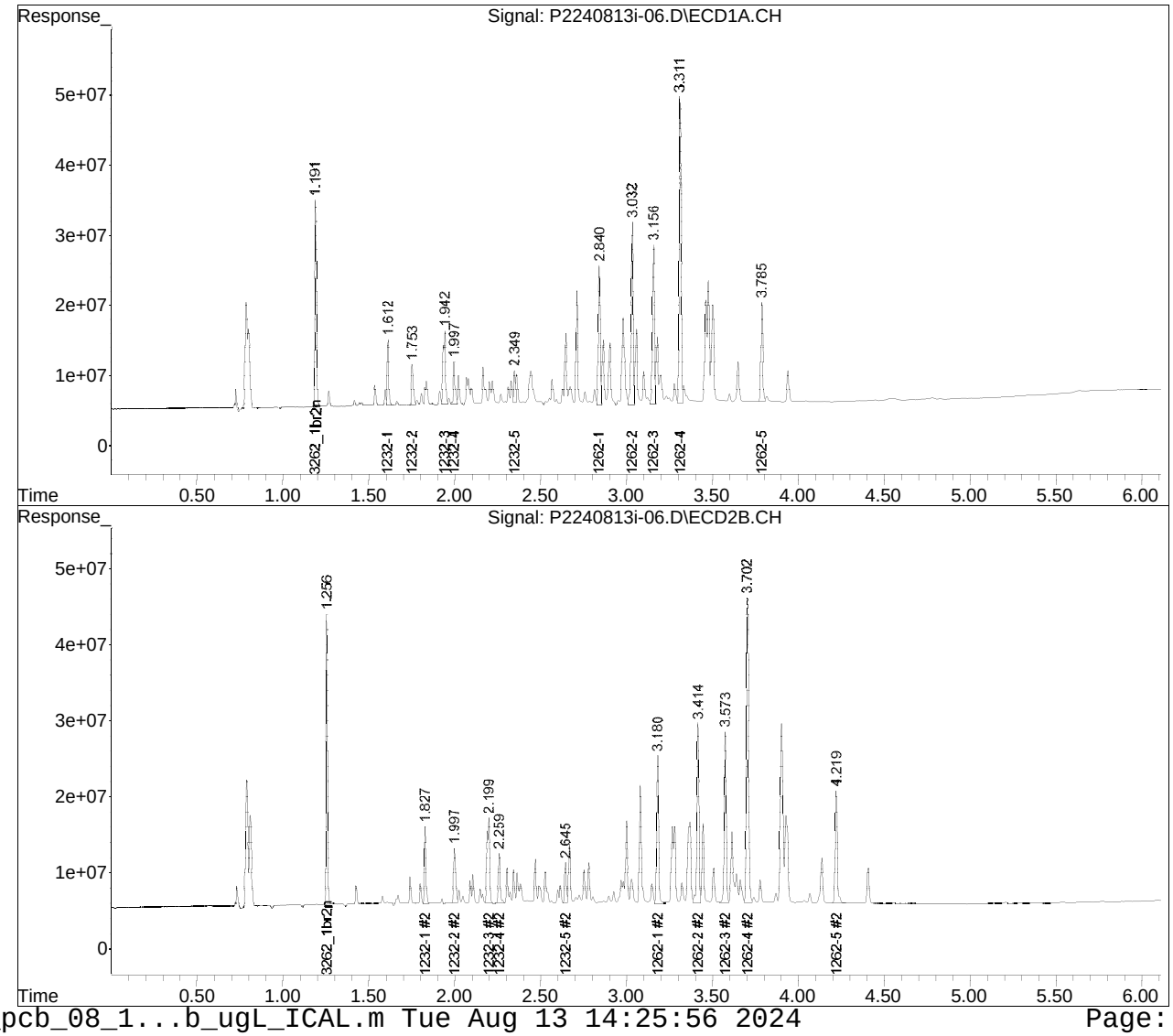
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-06.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:24
Operator : pest2:rmp
Sample : il53262,42e,,pp 11646 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:26:29 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:26:18 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

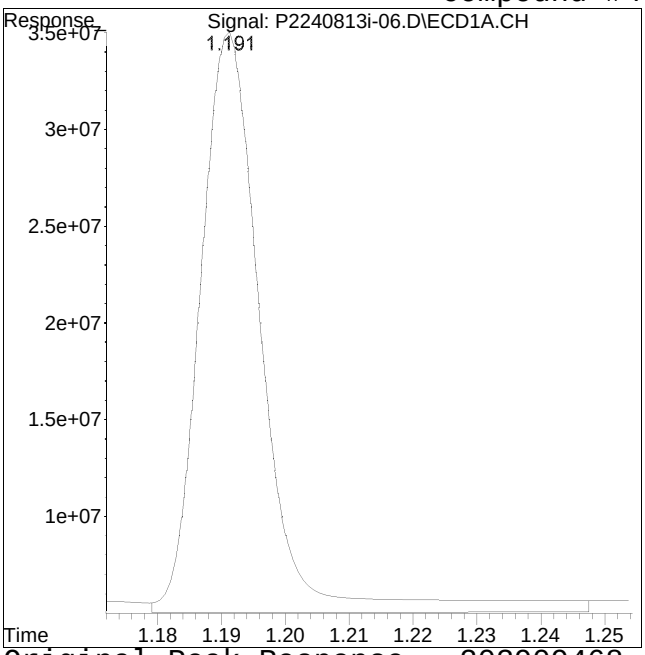
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

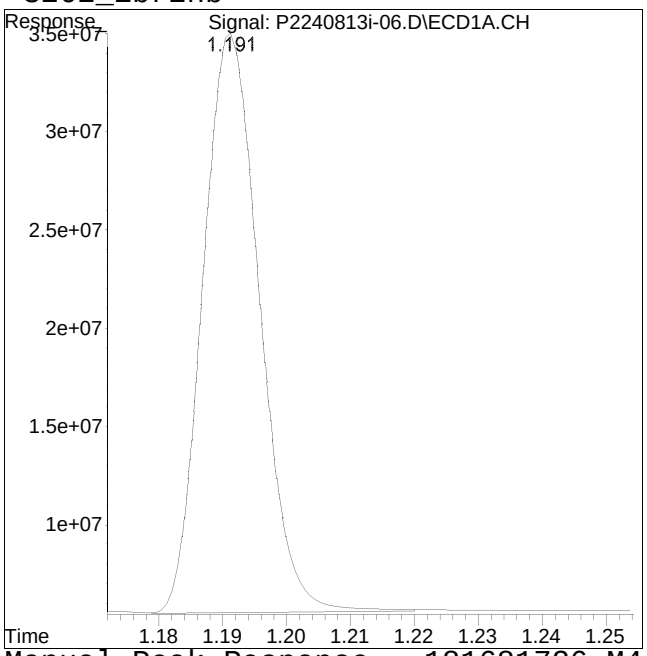


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #40: 3262_1br2nb



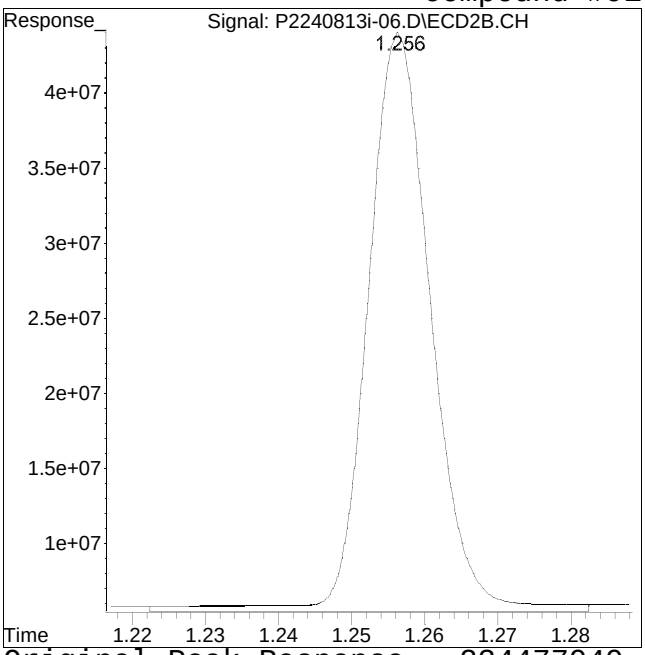


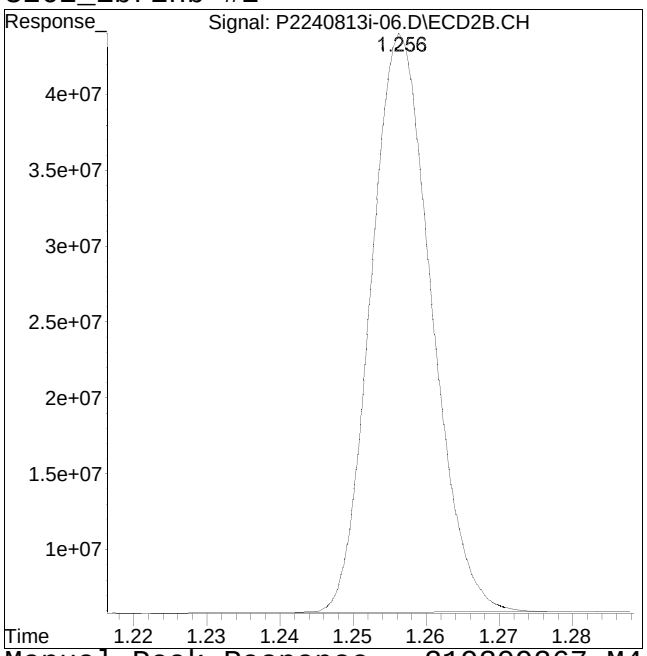
Original Peak Response = 203909468 Manual Peak Response = 181681726 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #91: 3262_1br2nb #2



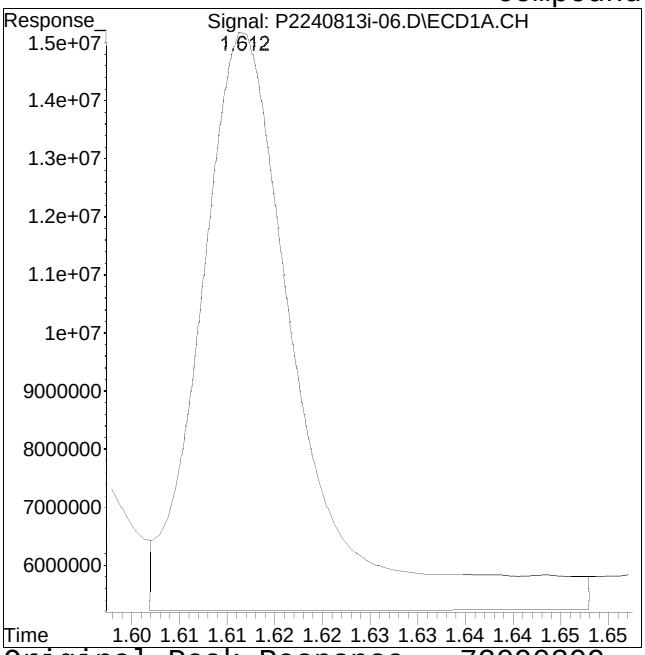


Original Peak Response = 234477949 Manual Peak Response = 219309267 M4
M4 = Poor automated baseline construction.

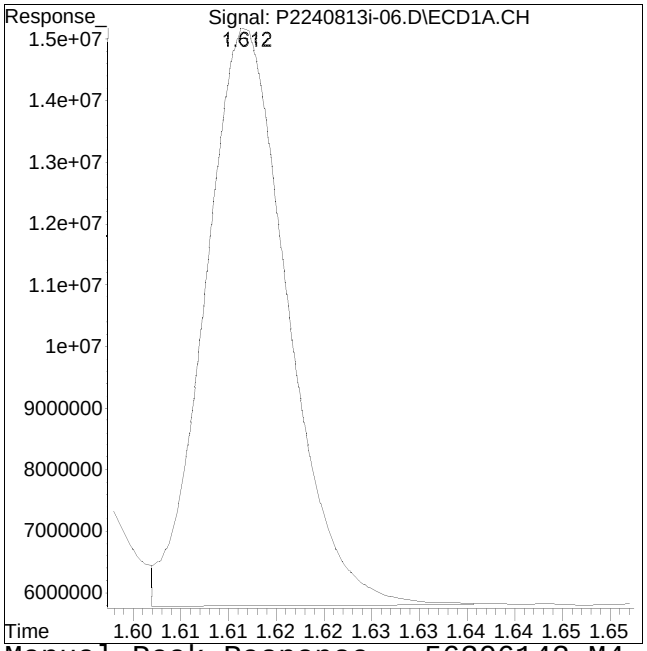
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #41: 1232-1



Original Peak Response = 72090399



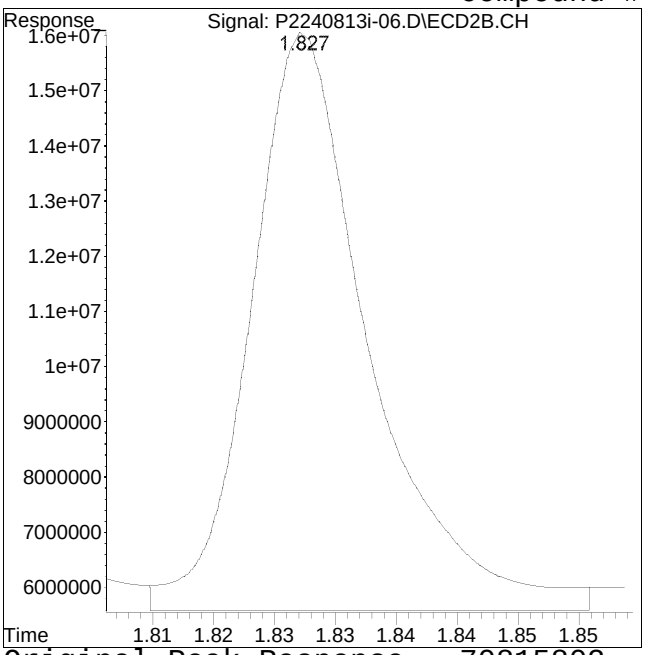
Manual Peak Response = 56306142 M4

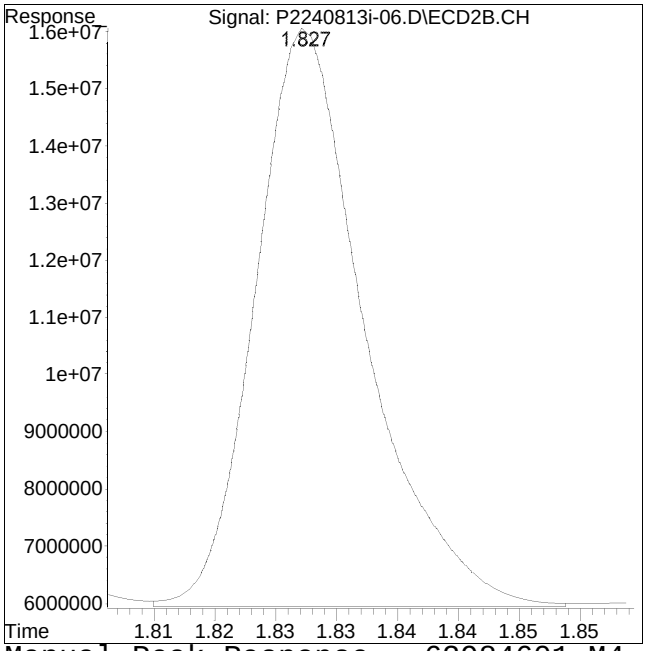
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #92: 1232-1 #2



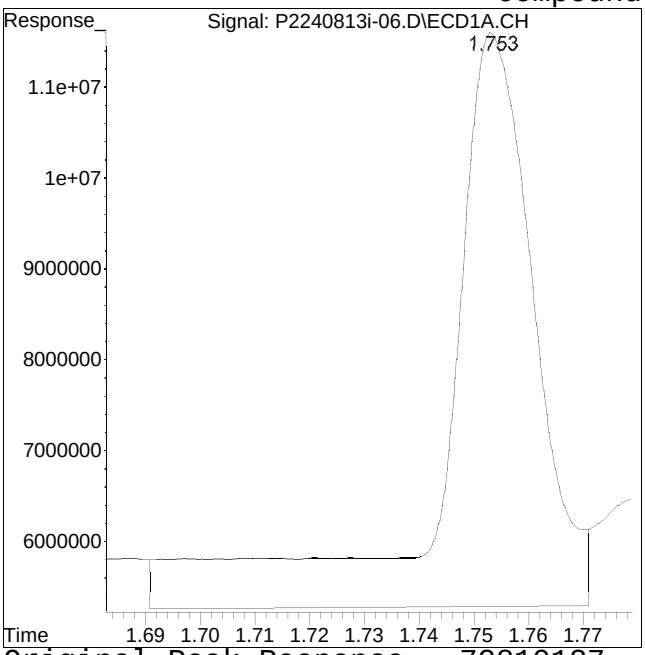


Original Peak Response = 70815802 Manual Peak Response = 62984601 M4
M4 = Poor automated baseline construction.

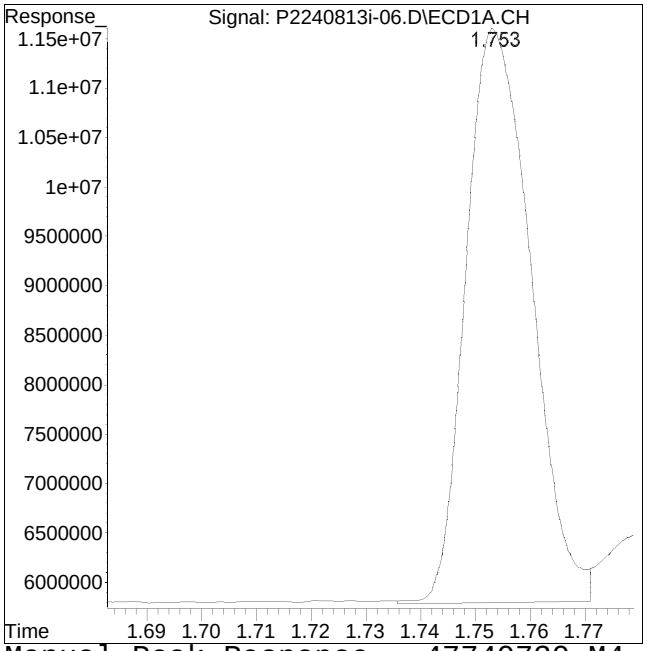
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #42: 1232-2



Original Peak Response = 72810127



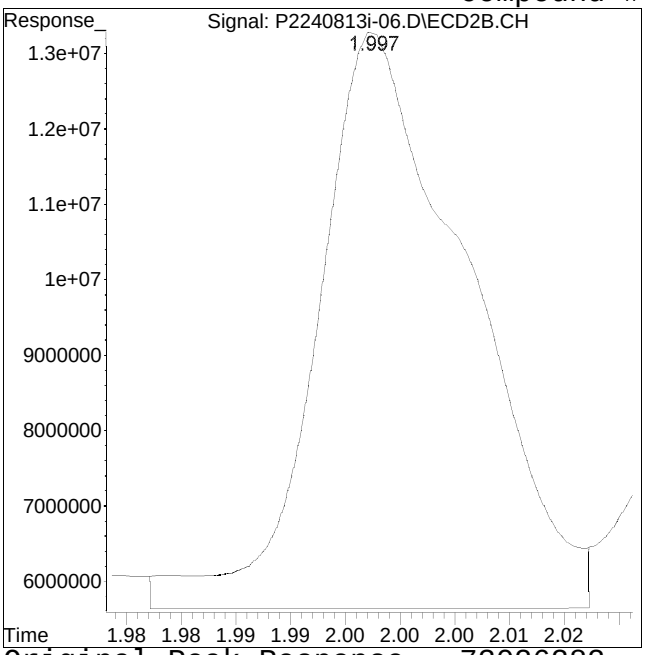
Manual Peak Response = 47740730 M4

M4 = Poor automated baseline construction.

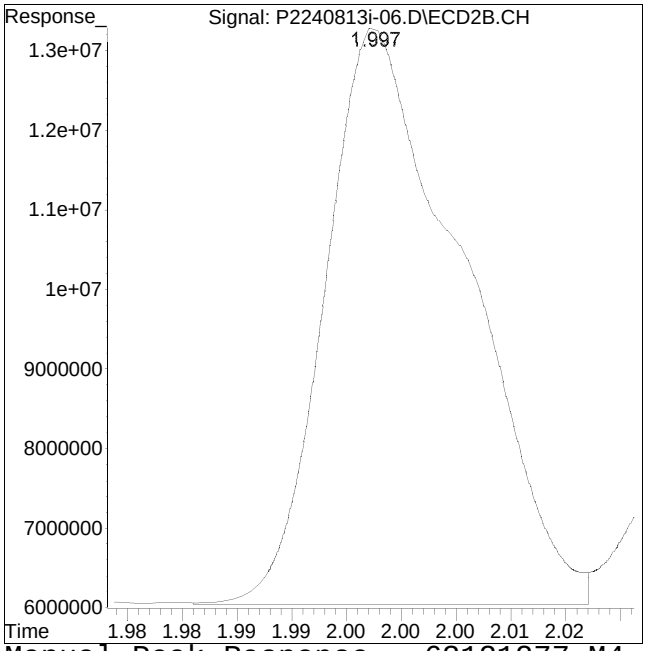
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #93: 1232-2 #2



Original Peak Response = 73026282



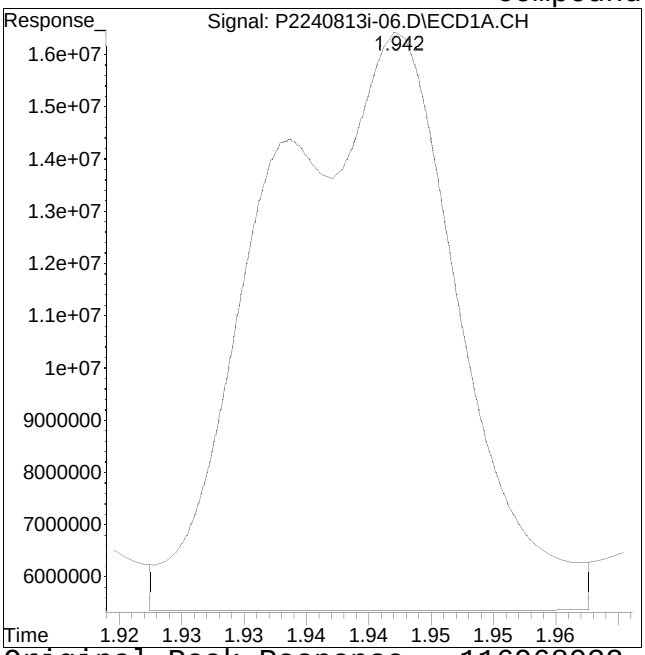
Manual Peak Response = 63121277 M4

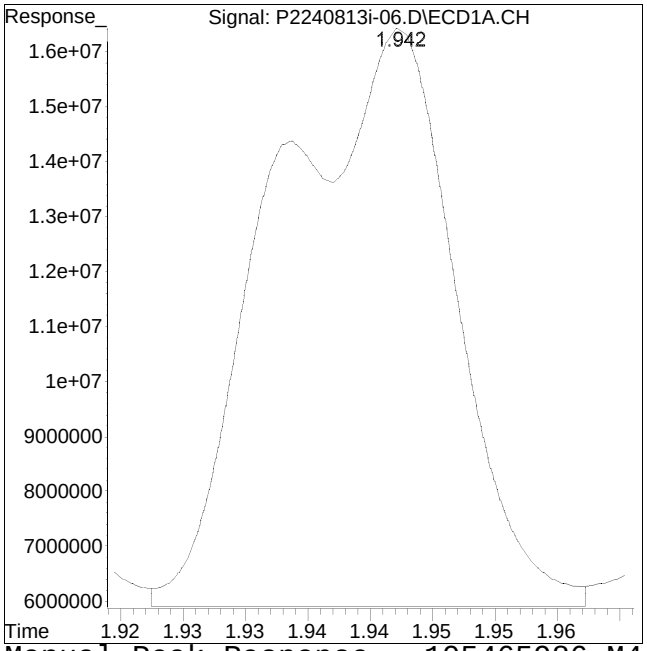
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #43: 1232-3



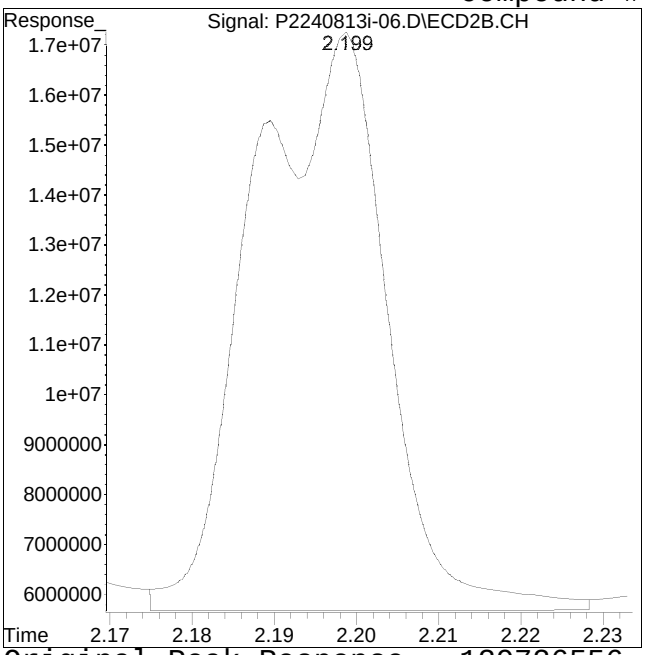


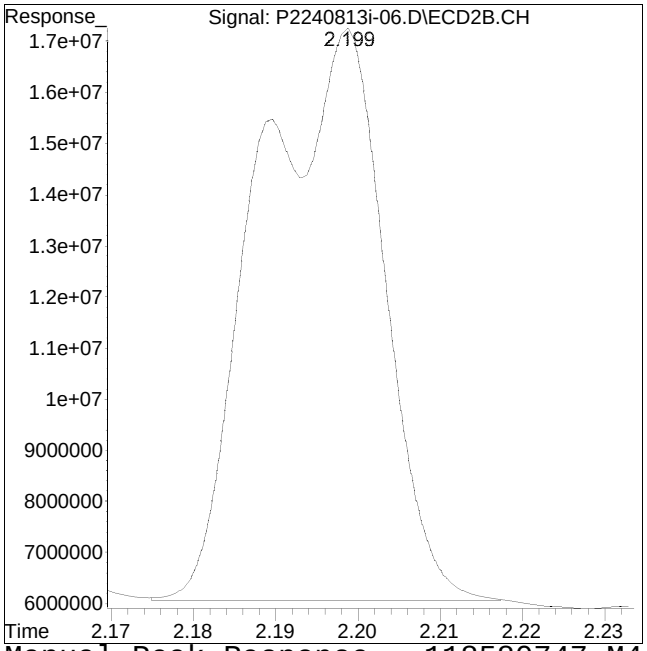
Original Peak Response = 116968932 Manual Peak Response = 105465986 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #94: 1232-3 #2



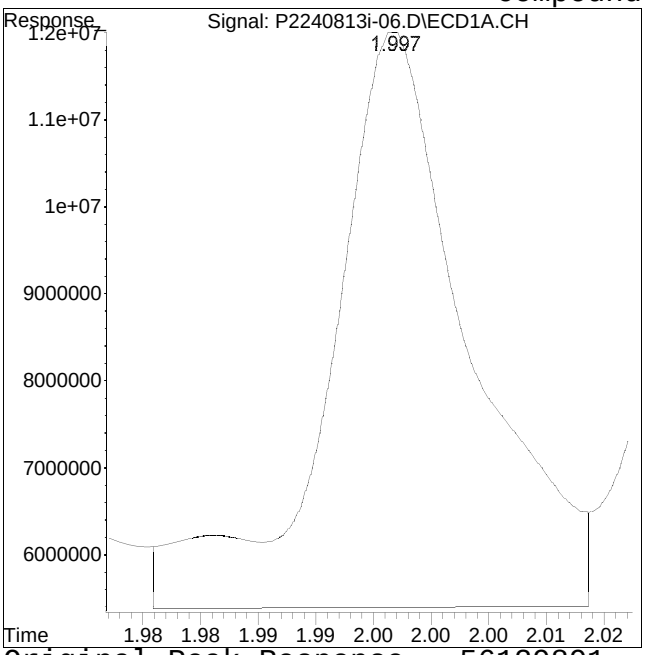


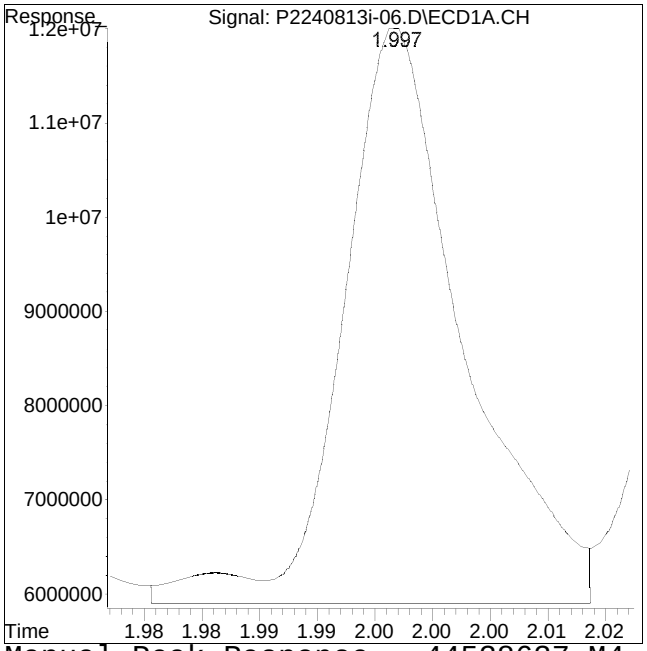
Original Peak Response = 129726556 Manual Peak Response = 118580747 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #44: 1232-4



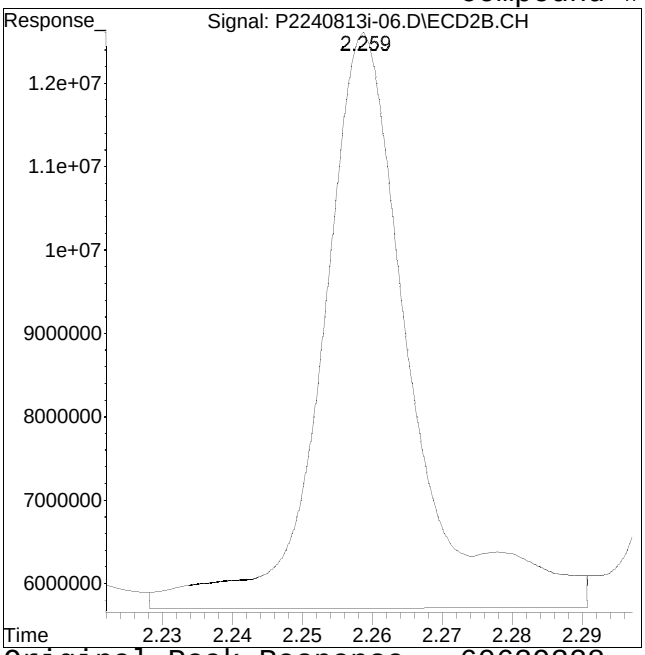


Original Peak Response = 56129891 Manual Peak Response = 44538637 M4
M4 = Poor automated baseline construction.

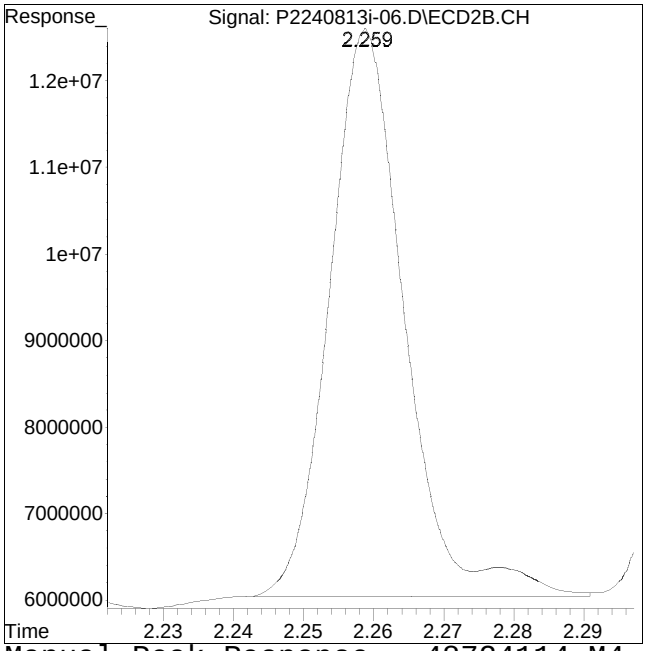
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #95: 1232-4 #2



Original Peak Response = 60639328



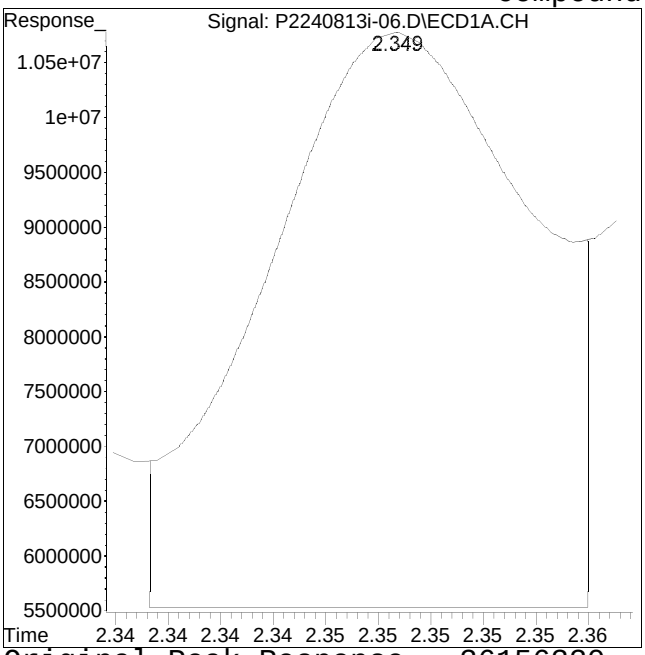
Manual Peak Response = 48724114 M4

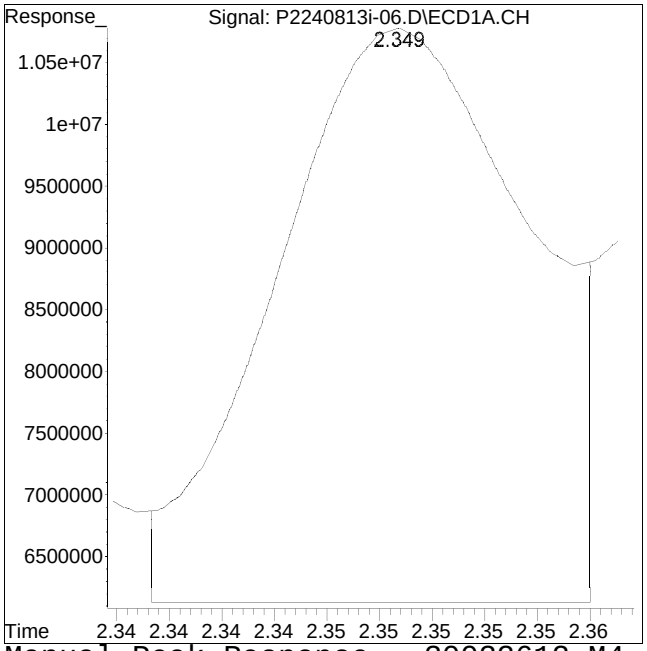
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #45: 1232-5



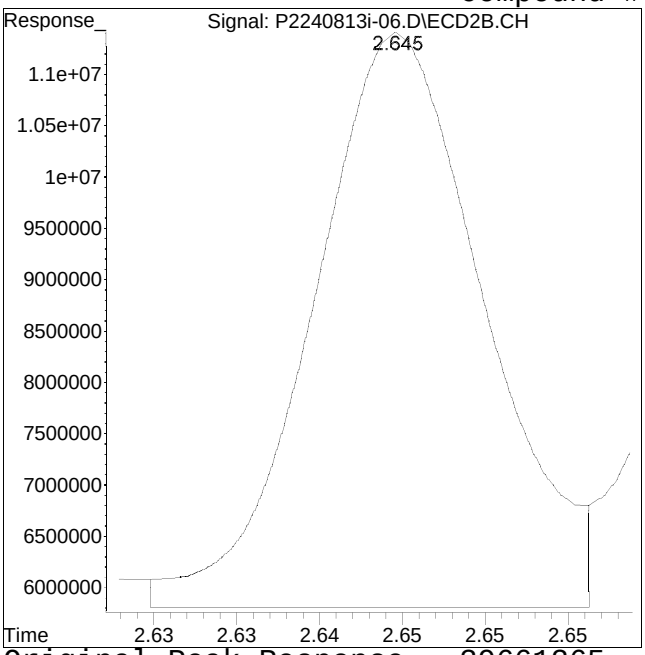


Original Peak Response = 36156330 Manual Peak Response = 30033612 M4
M4 = Poor automated baseline construction.

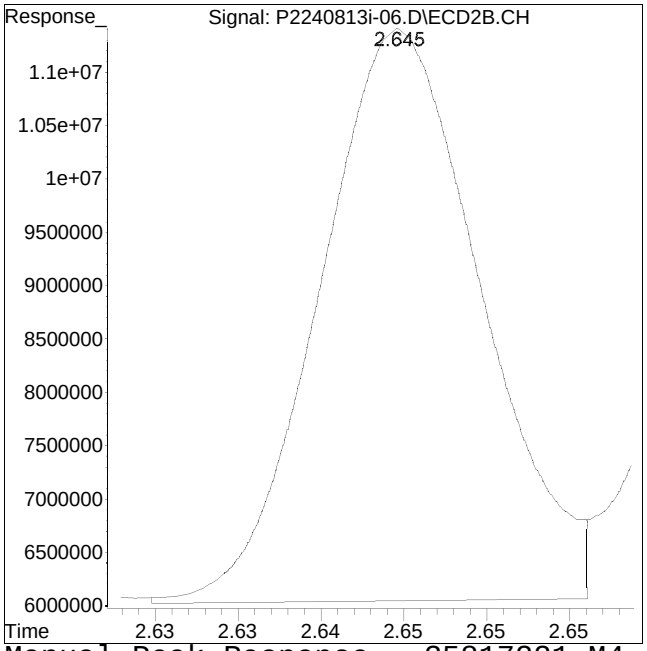
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #96: 1232-5 #2



Original Peak Response = 39661265



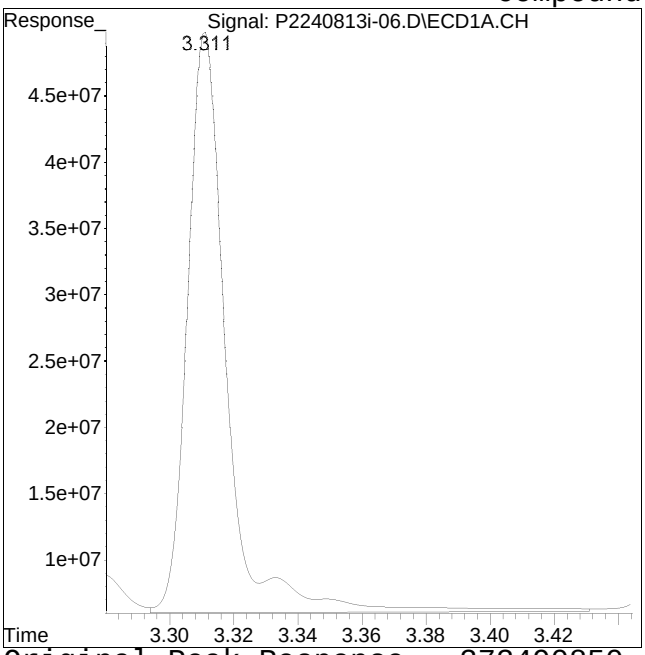
Manual Peak Response = 35817221 M4

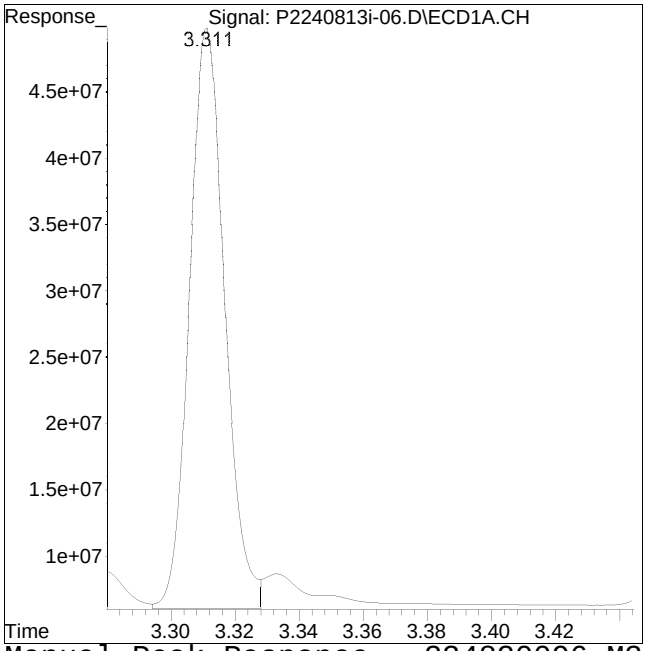
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-06.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:24 Instrument : Pest 2
Sample : il53262,42e,,pp 11646 L250Quant Date : 8/13/2024 1:26 pm

Compound #49: 1262-4





Original Peak Response = 373490850 Manual Peak Response = 334830096 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	1.191	1.256	187.4E6	217.6E6	25.000M4	25.000M4
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount	20.000	Range 30 - 150	Recovery	=	0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	1.935	2.191	111.7E6	128.4E6	245.149M3	245.716M1
36) l7	1248-2	2.072	2.345	145.5E6	89478328	241.163M3	249.345
37) l7	1248-3	2.168	2.471	130.1E6	110.0E6	248.143M4	249.345

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	2.350	2.646	108.1E6	122.1E6	232.432M3	249.345
39) l7	1248-5	2.363	2.669	96843211	137.7E6	261.746M3	249.345
Sum	1248-1			592.3E6	587.6E6	N.D.	N.D. D
Average	1248-1					245.727	248.619
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

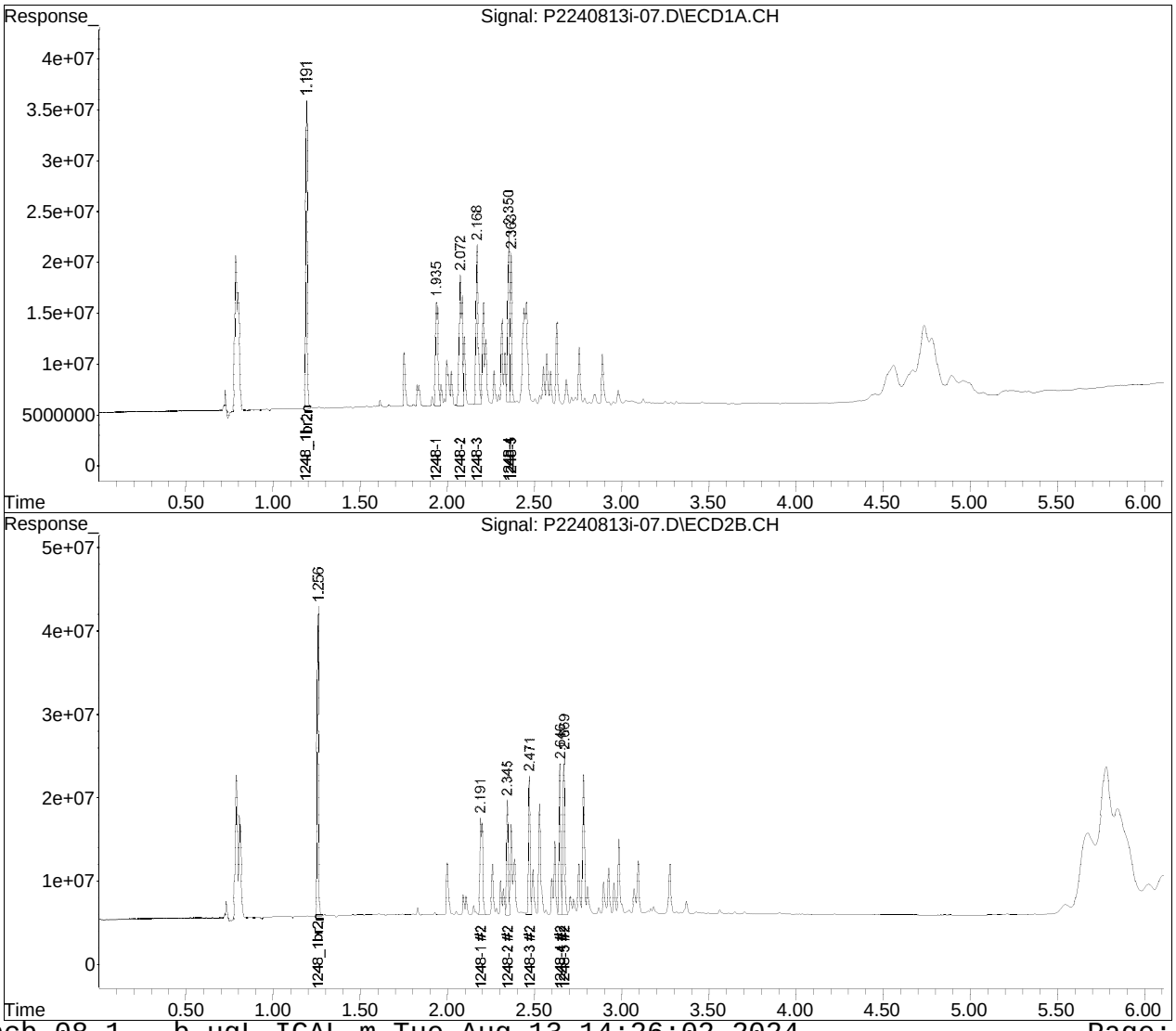
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-07.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:33
Operator : pest2:rmp
Sample : il51248,42e,,pp 11648 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:31:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:31:06 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

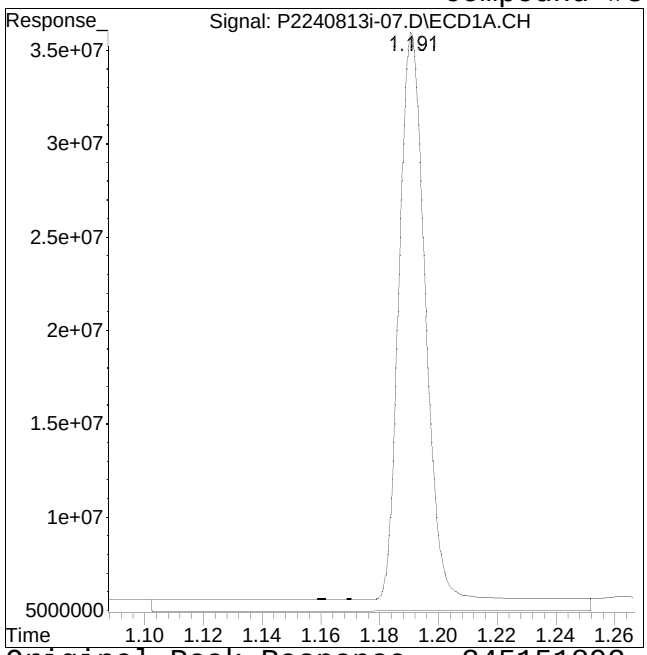
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

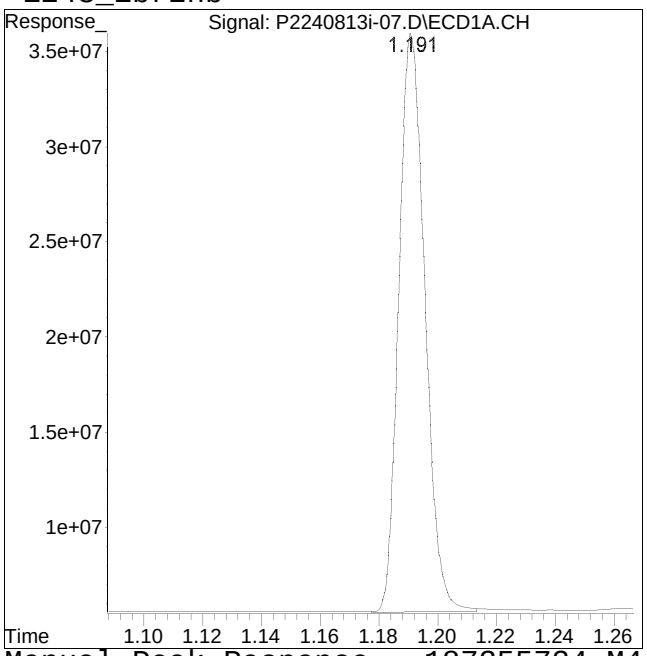


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #34: 1248_1br2nb



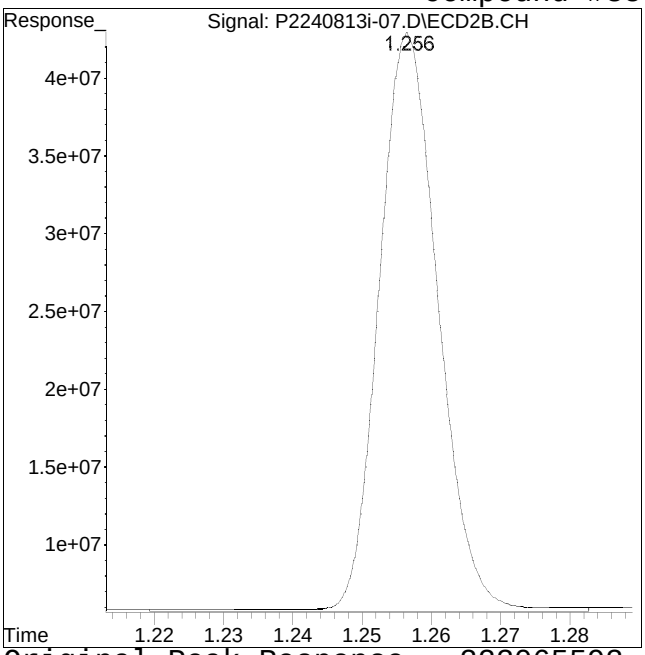


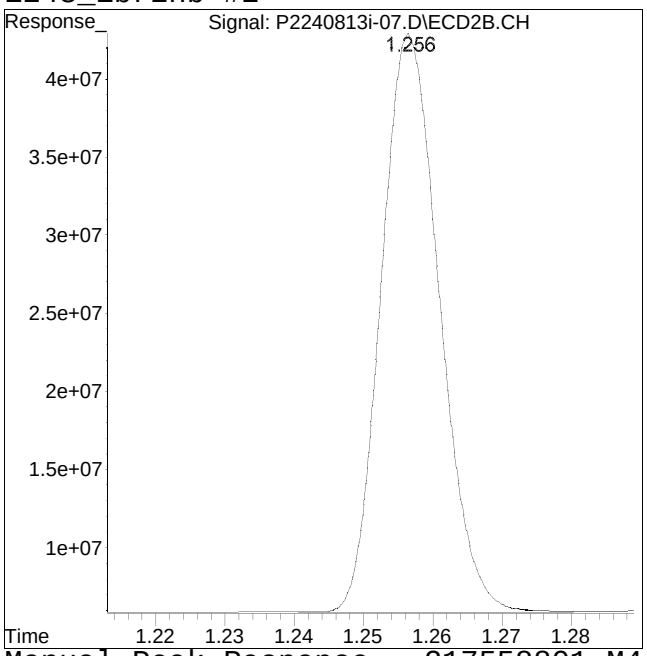
Original Peak Response = 245151892 Manual Peak Response = 187355734 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #85: 1248_1br2nb #2



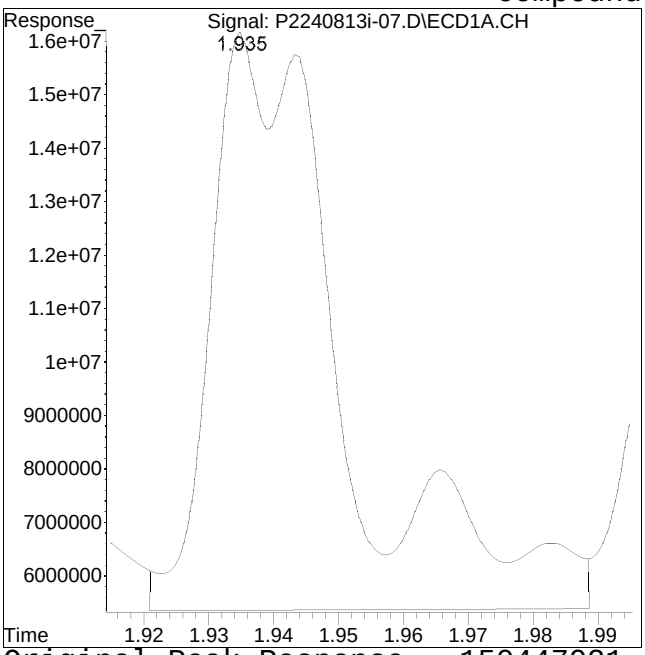


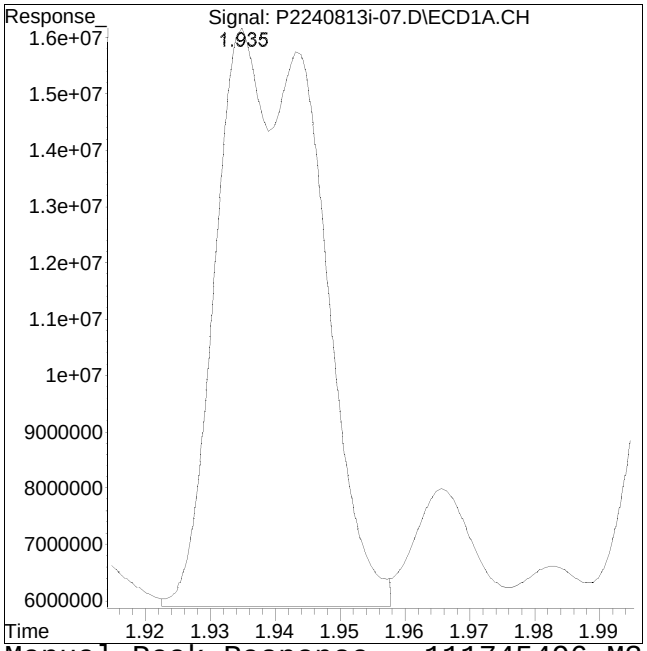
Original Peak Response = 223065593 Manual Peak Response = 217558801 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #35: 1248-1



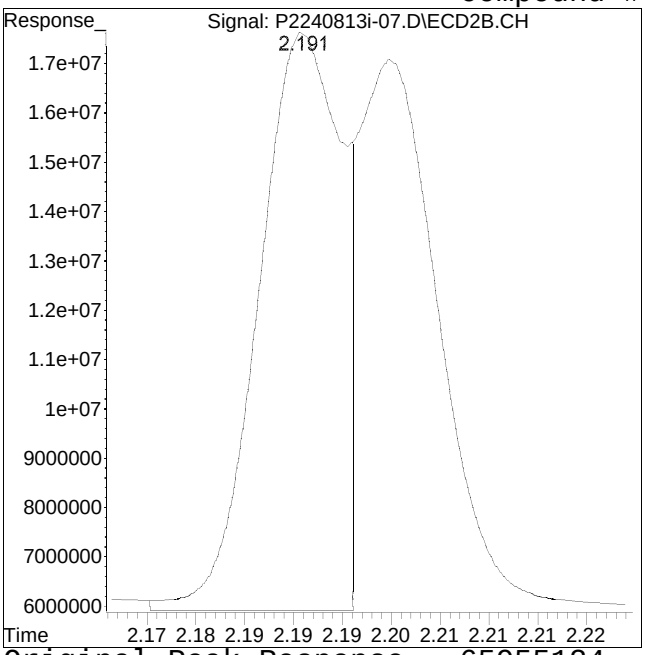


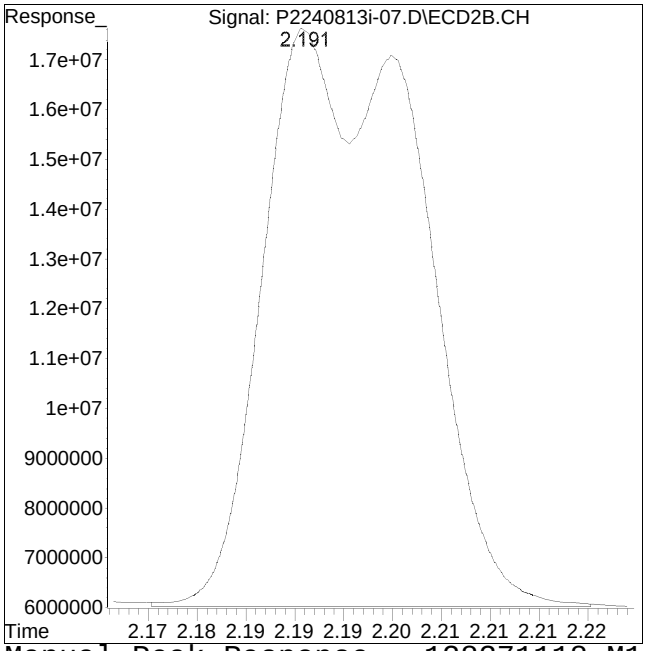
Original Peak Response = 150447921 Manual Peak Response = 111745496 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #86: 1248-1 #2



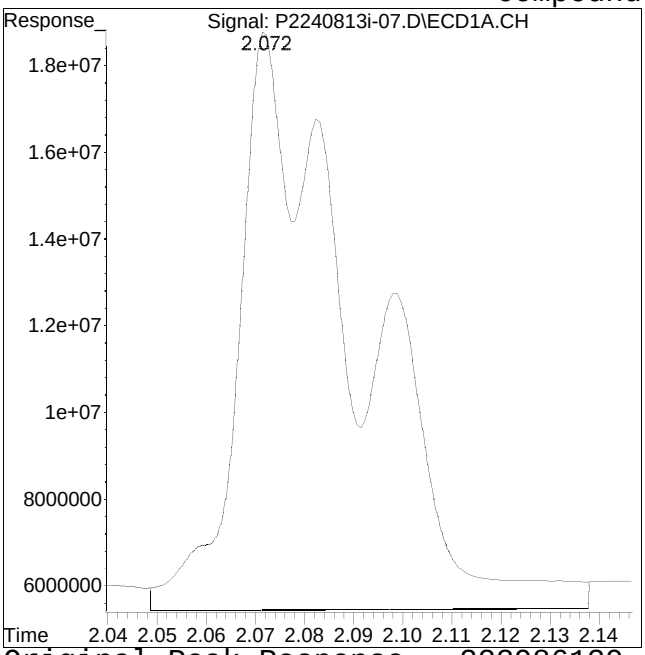


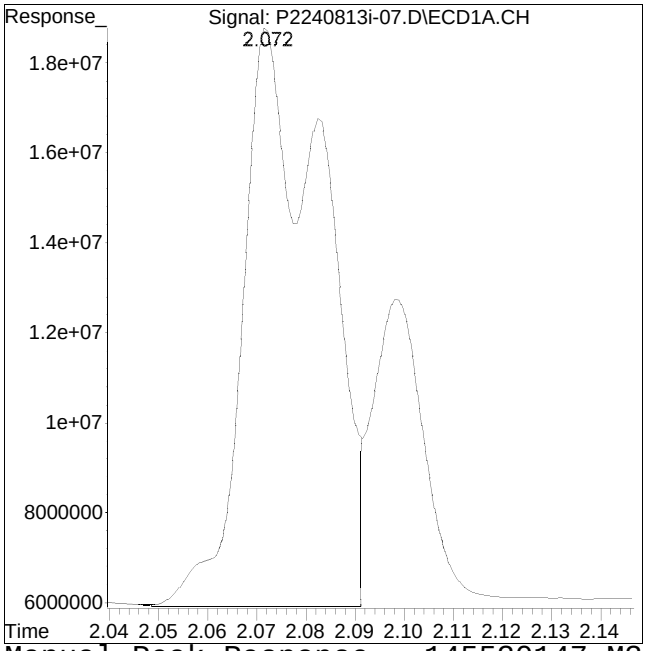
Original Peak Response = 65955124 Manual Peak Response = 128371118 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #36: 1248-2



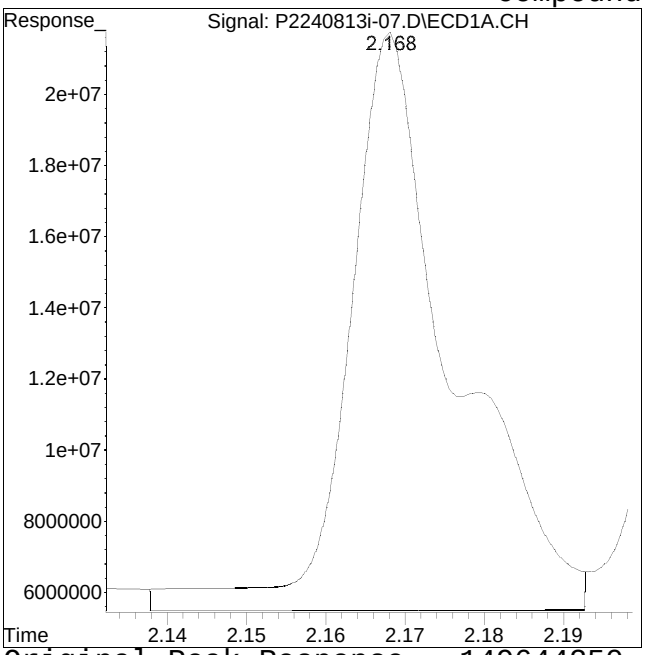


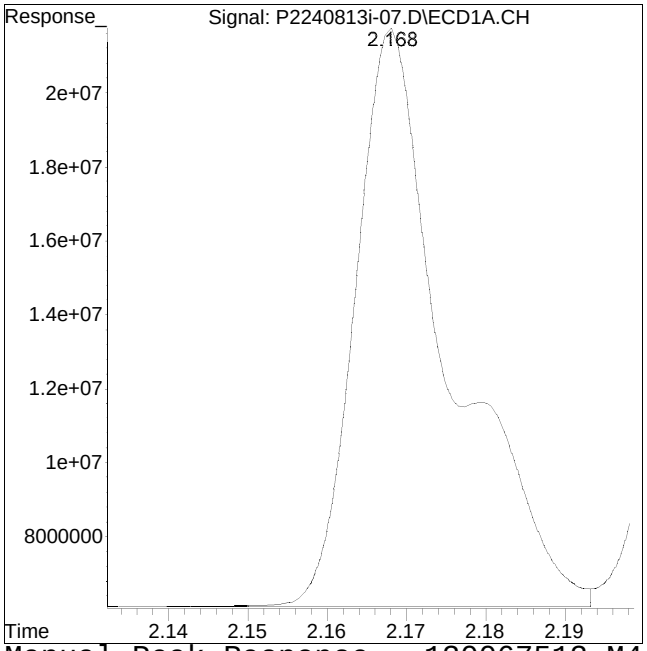
Original Peak Response = 223986139 Manual Peak Response = 145530147 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #37: 1248-3



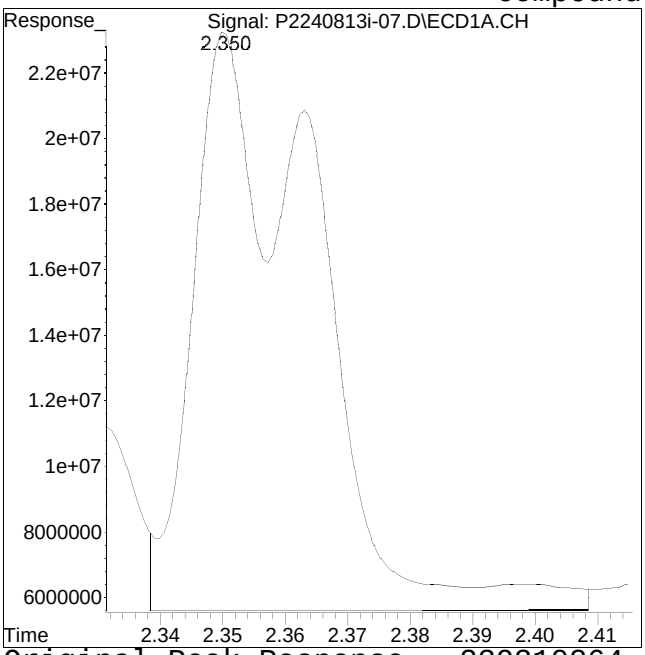


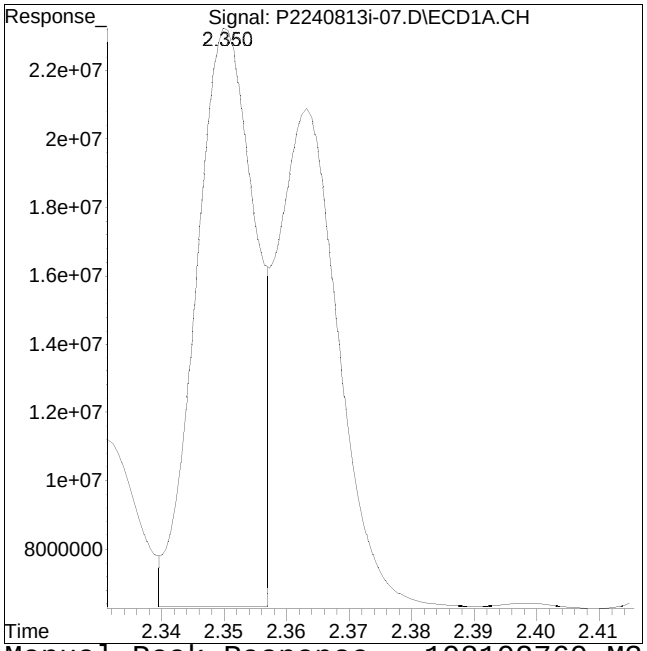
Original Peak Response = 149644250 Manual Peak Response = 130067513 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #38: 1248-4



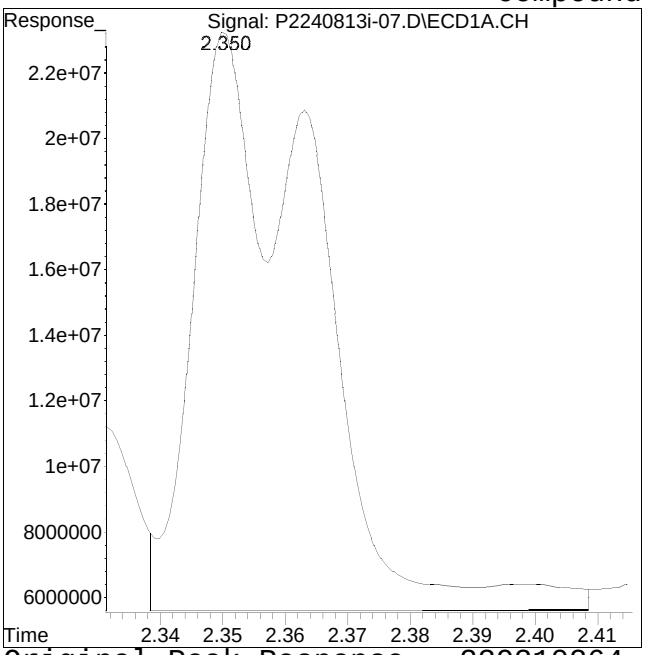


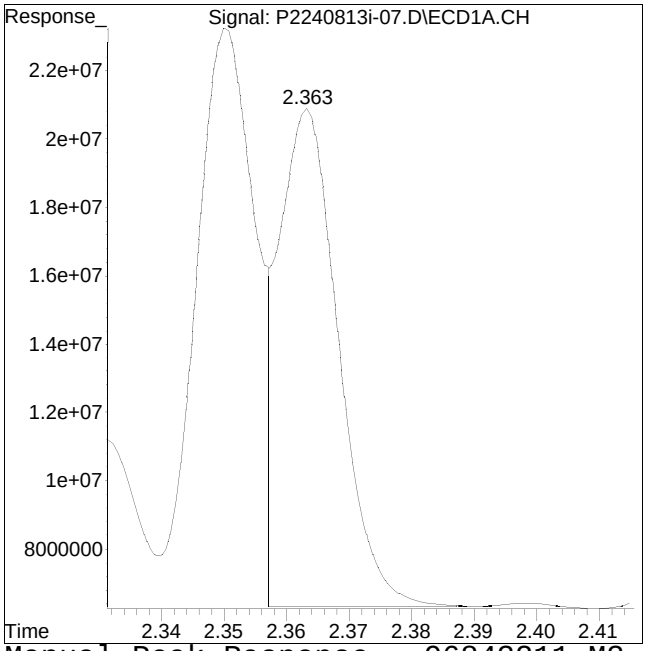
Original Peak Response = 239310264 Manual Peak Response = 108102760 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-07.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:33 Instrument : Pest 2
Sample : il51248,42e,,pp 11648 L250Quant Date : 8/13/2024 1:31 pm

Compound #39: 1248-5





Original Peak Response = 239310264 Manual Peak Response = 96843211 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
14) i	2154_1br2nb	1.191	1.256	190.7E6	226.4E6	25.000M4	25.000M4
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	0.000	0.000	0	0	N.D. d	N.D. d
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
3) s	Decachlorobi	0.000	0.000	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 150		Recovery =		0.00%#	0.00%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1260-1			0	0	N.D.	N.D.
	Average 1260-1					0.000	0.000
15) l3	1221-2	1.536	1.741	31994452	39844086	250.678	250.819
16) l3	1221-3	1.595	1.801	19542531	24548511	249.593M3	250.819

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
17) l3	1221-4	1.611	1.827	77331473	84170854	254.348M3	250.819
Sum	1221-2			128.9E6	148.6E6	754.619	752.458
Average	1221-2					251.540	250.819
18) l4	1254-1	2.329	2.666	103.2E6	129.3E6	249.460M3	250.819
19) l4	1254-2	2.442	2.753	184.3E6	151.3E6	249.275M3	250.819
20) l4	1254-3	2.626	2.983	205.9E6	226.0E6	250.678	250.819
21) l4	1254-4	2.756	3.094	143.3E6	152.8E6	250.678	250.819
22) l4	1254-5	2.978	3.370	198.5E6	217.8E6	250.678	250.819
Sum	1254-1			835.3E6	877.2E6	N.D.	N.D. D
Average	1254-1					250.154	250.819
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D.	N.D.
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

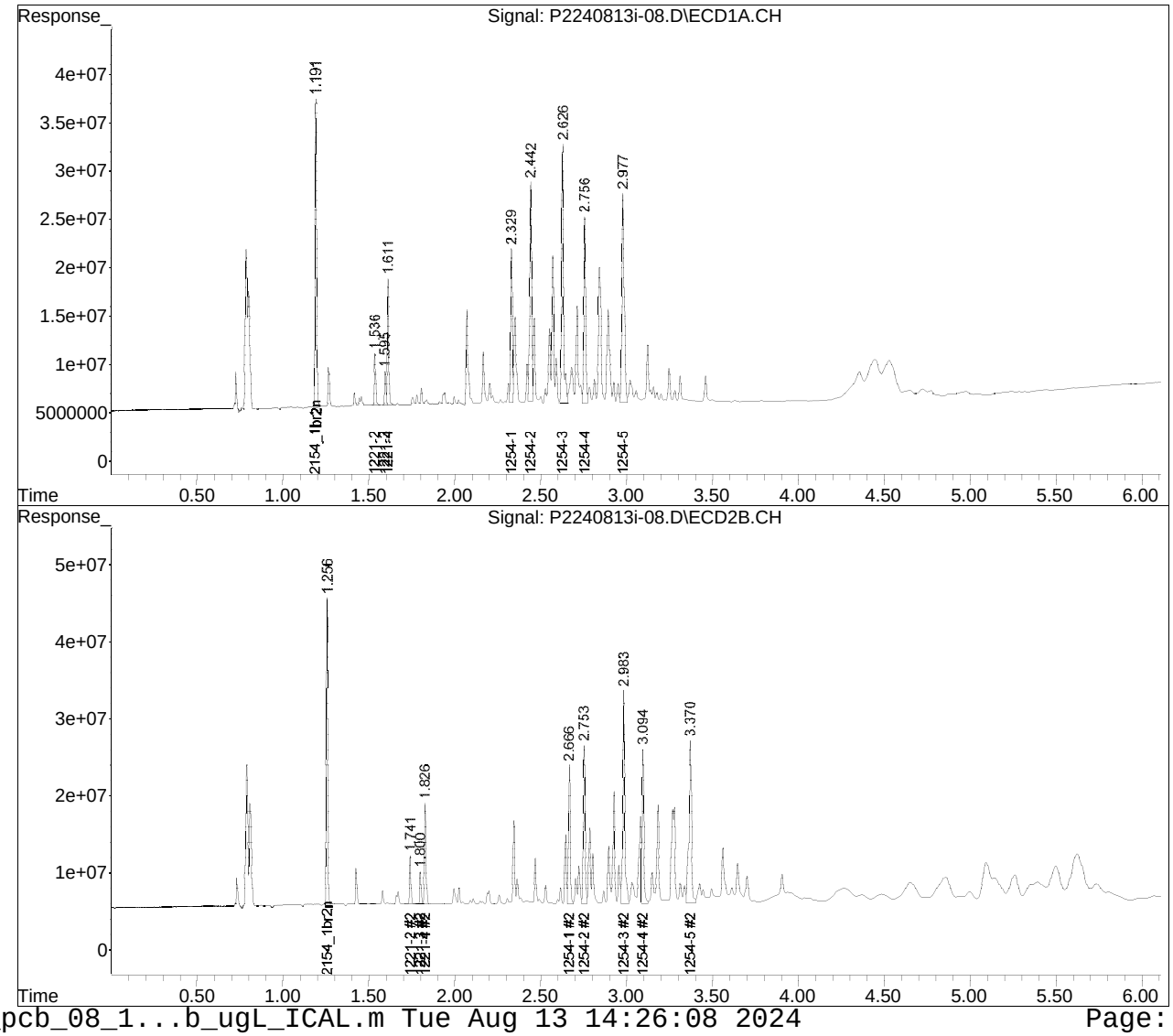
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-08.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:43
Operator : pest2:rmp
Sample : il52154,42e,,pp 11650 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:34:23 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:34:12 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

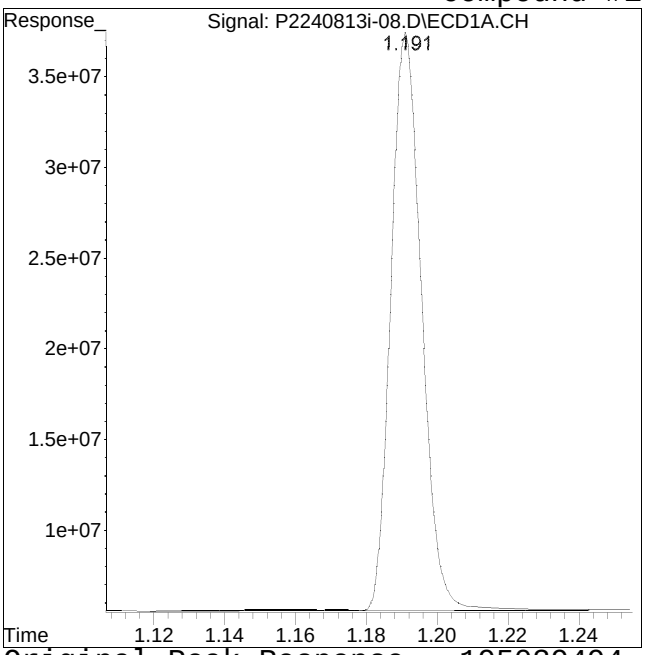
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

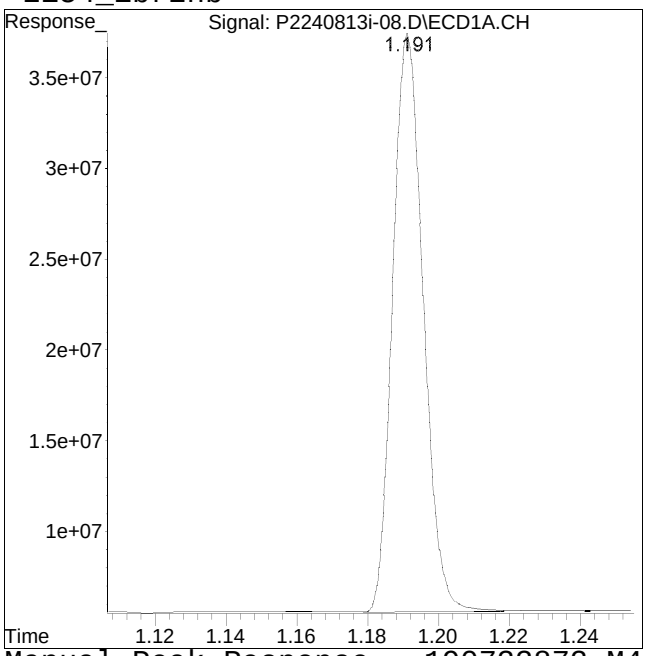


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #14: 2154_1br2nb



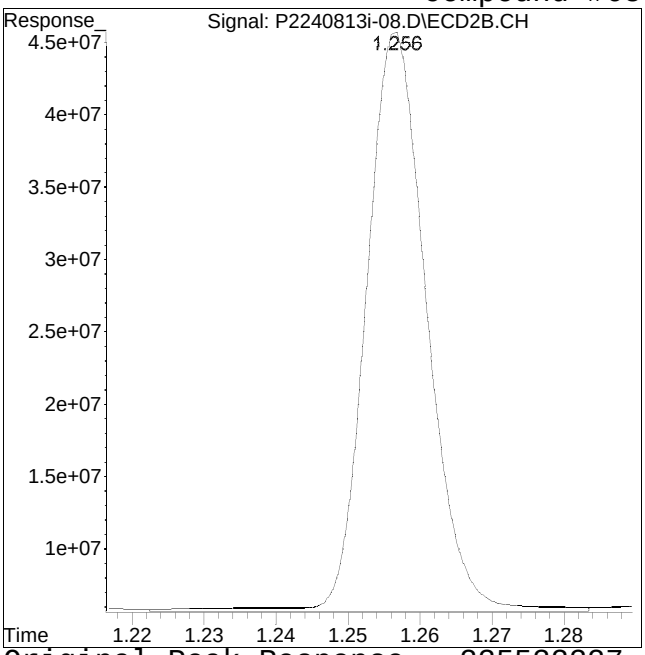


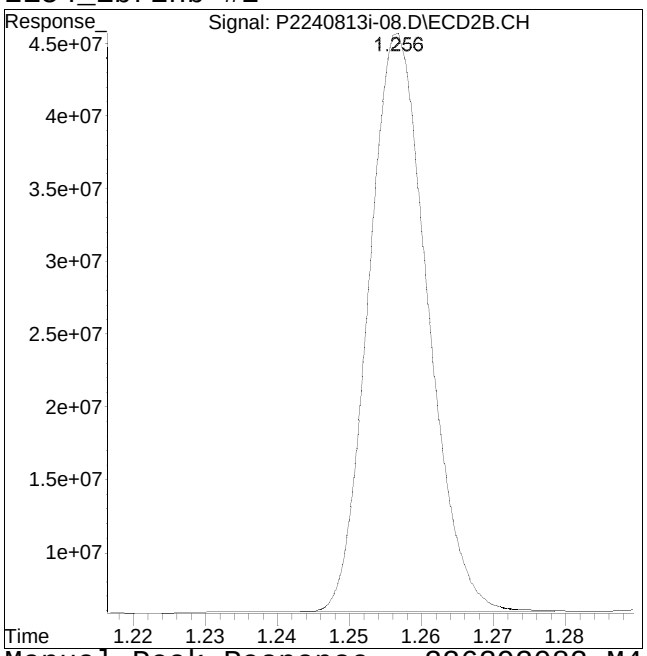
Original Peak Response = 195039494 Manual Peak Response = 190733872 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #65: 2154_1br2nb #2



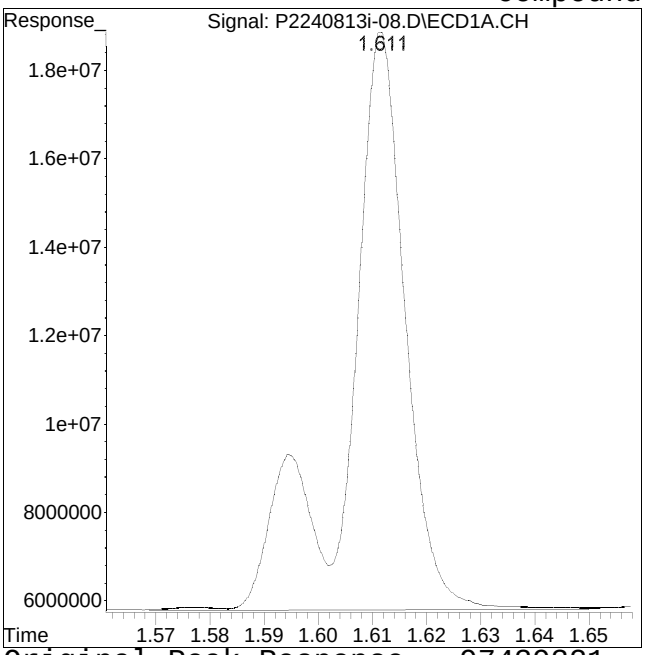


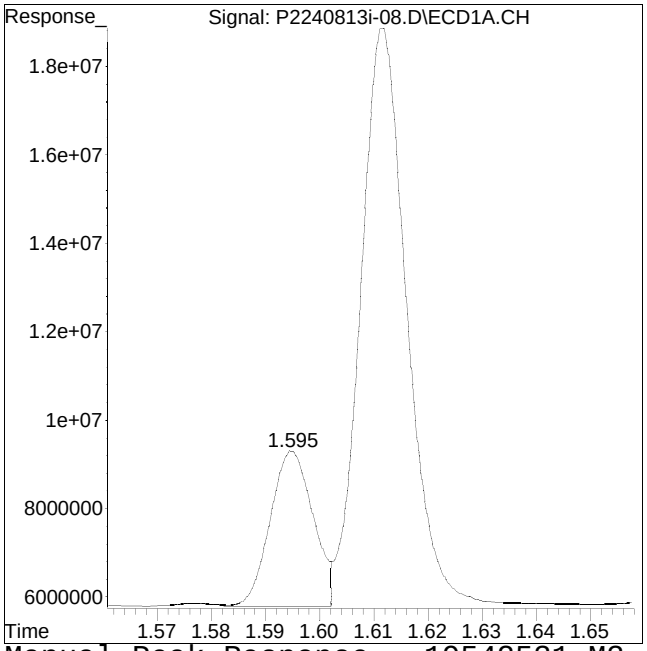
Original Peak Response = 235532327 Manual Peak Response = 226393082 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #16: 1221-3



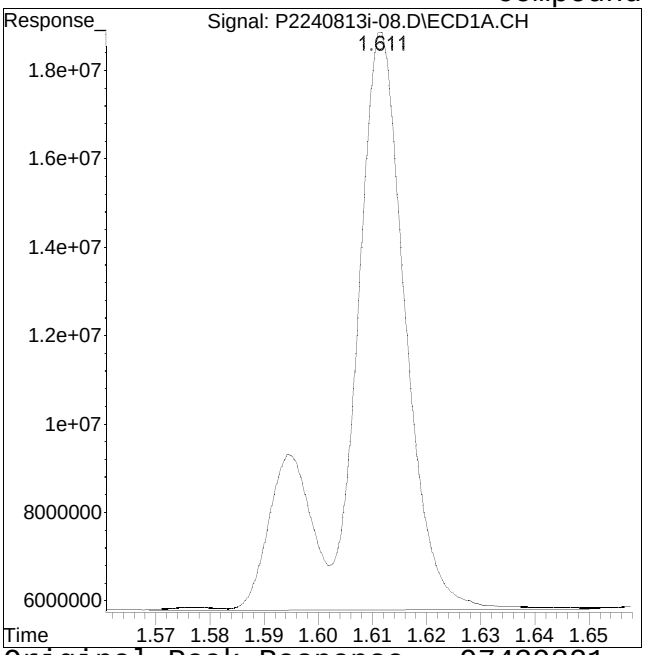


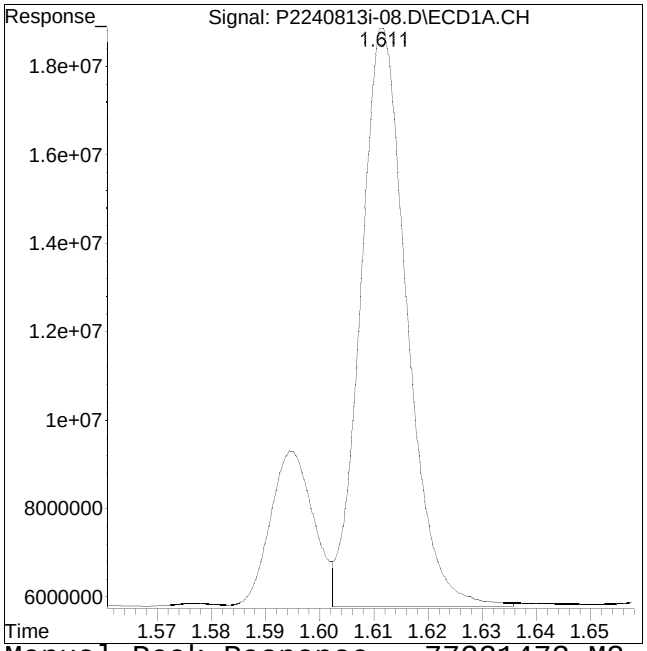
Original Peak Response = 97439321 Manual Peak Response = 19542531 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #17: 1221-4



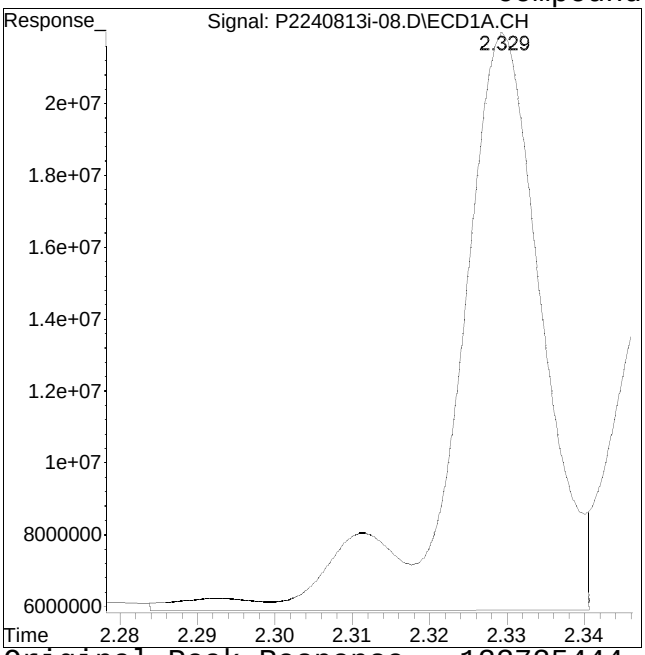


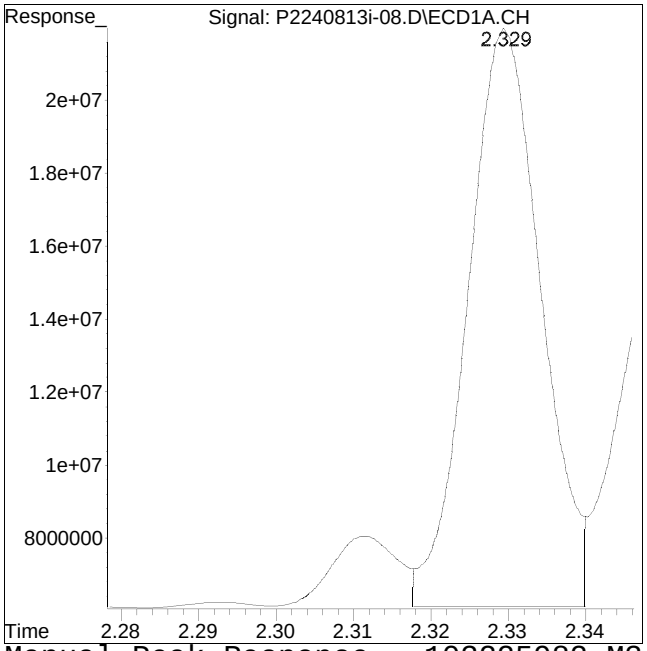
Original Peak Response = 97439321 Manual Peak Response = 77331473 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #18: 1254-1



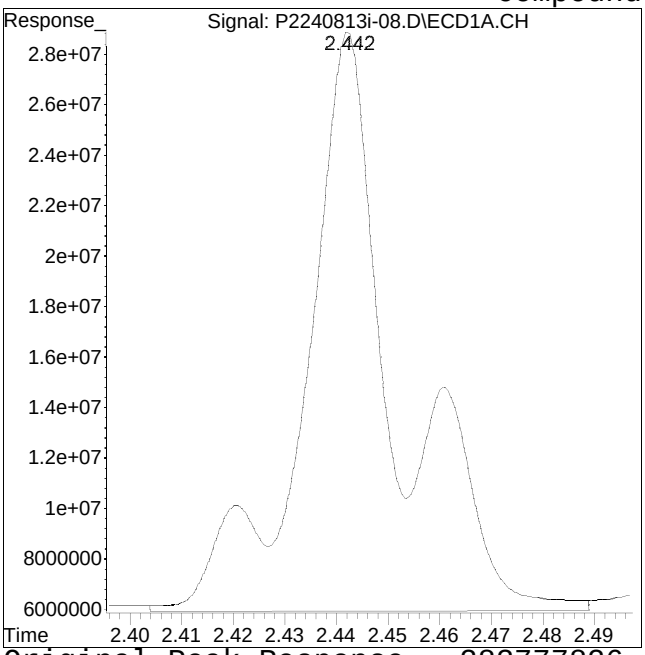


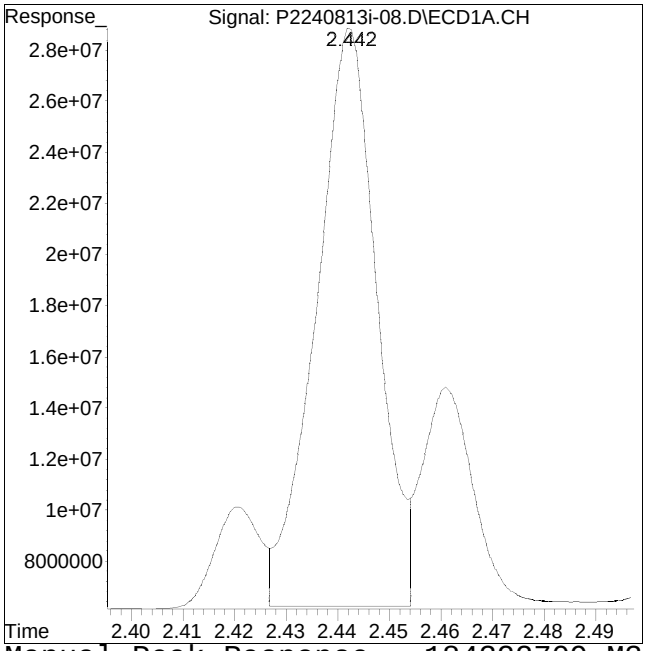
Original Peak Response = 123725444 Manual Peak Response = 103225982 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-08.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:43 Instrument : Pest 2
Sample : il52154,42e,,pp 11650 L250Quant Date : 8/13/2024 1:34 pm

Compound #19: 1254-2





Original Peak Response = 283777826 Manual Peak Response = 184322709 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.257	197.5E6	232.8E6	25.000M4	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	3287110	3668619	0.259M4	0.256M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		1.29%#	1.28%#
3) s	Decachlorobi	4.044	4.553	4781157	4998790	0.502M4	0.526M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		2.51%#	2.63%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	995619	1228273	4.253M4	4.502M4
5) l1	1016-2	1.757	1.998	1448916	2403268	2.922M4	4.111M4
6) l1	1016-3	1.942	2.199	4060087	5034285	4.093M4	4.446M4
7) l1	1016-4	1.997	2.259	1666502	2454997	3.874M4	5.179M4
8) l1	1016-5	2.167	2.469	2354760	1528174	5.124M4	4.324M4
	Sum 1016-1			10525884	12648998	20.267	22.563
	Average 1016-1					4.053	4.513
9) l2	1260-1	2.710	3.080	2641142	2301560	4.028M4	3.413M4
10) l2	1260-2	2.841	3.181	3619026	3698186	3.887M4	4.410M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.573	2058421	2838722	3.362M4	4.147M4
12) l2	1260-4	3.312	3.703	4470228	5845755	3.720M4	4.386M4
13) l2	1260-5	3.460	3.905	3646851	4617264	4.121M4	4.749M4
Sum	1260-1			16435667	19301486	NoCal	NoCal D
Average	1260-1					3.823	4.221
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

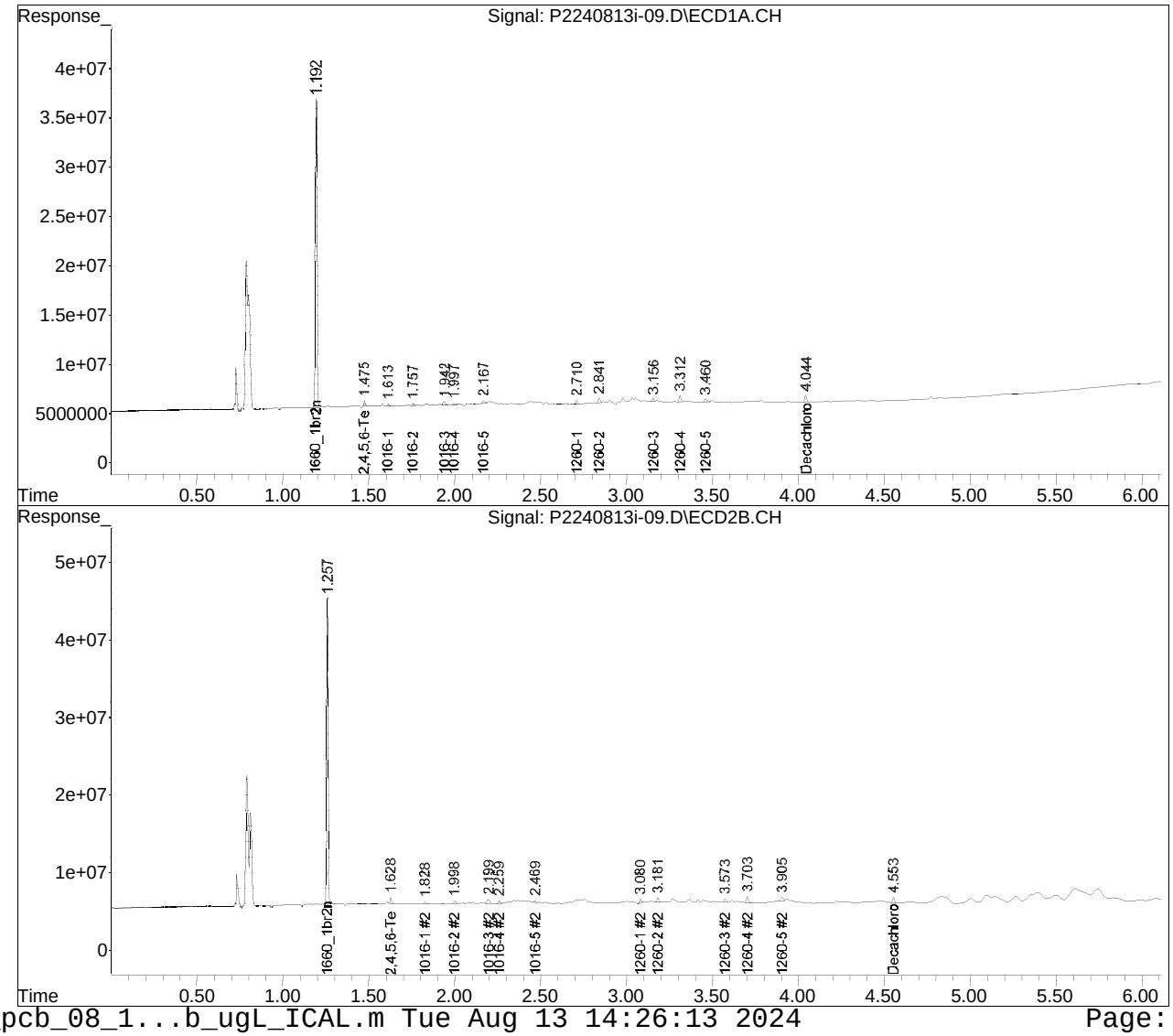
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-09.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 10:52
Operator : pest2:rmp
Sample : il11660,42e,,pp 11664 L4LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:15 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:56:49 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

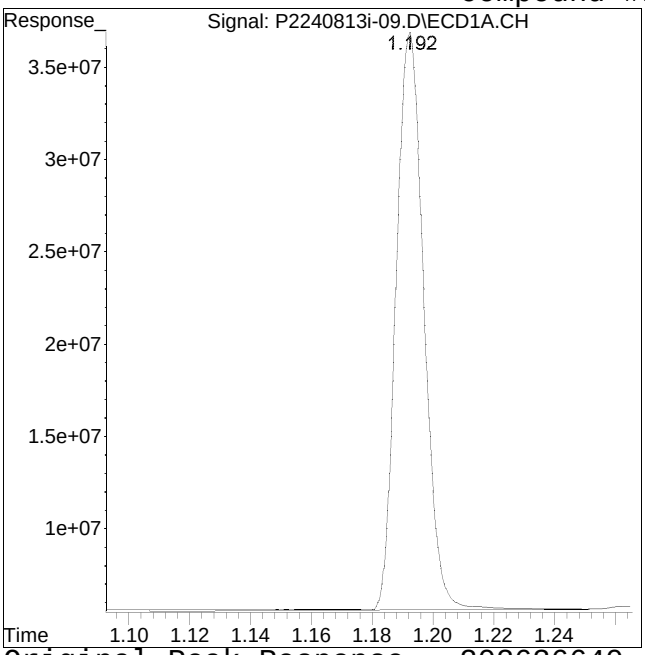
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

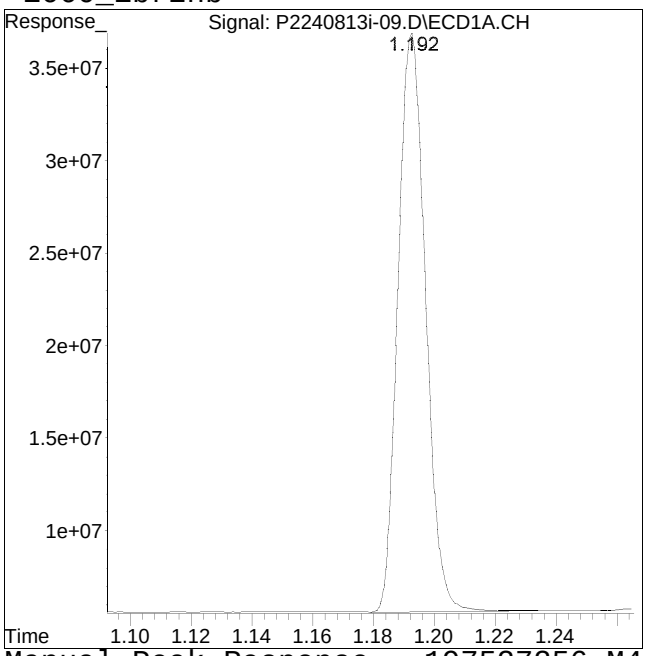


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #1: 1660_1br2nb



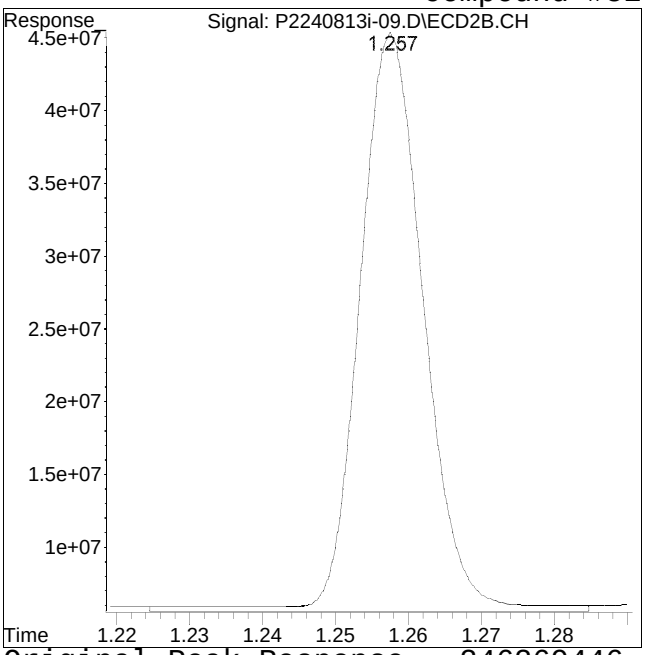


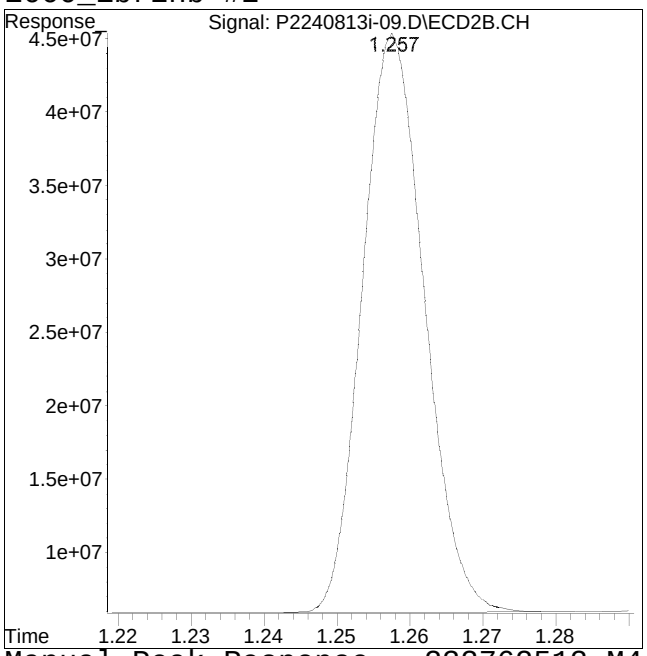
Original Peak Response = 202636640 Manual Peak Response = 197527256 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



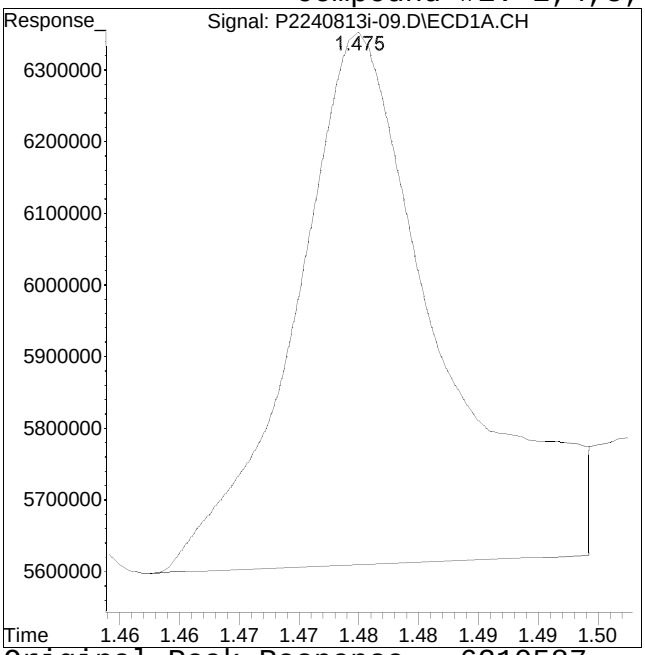


Original Peak Response = 246269446 Manual Peak Response = 232762512 M4
M4 = Poor automated baseline construction.

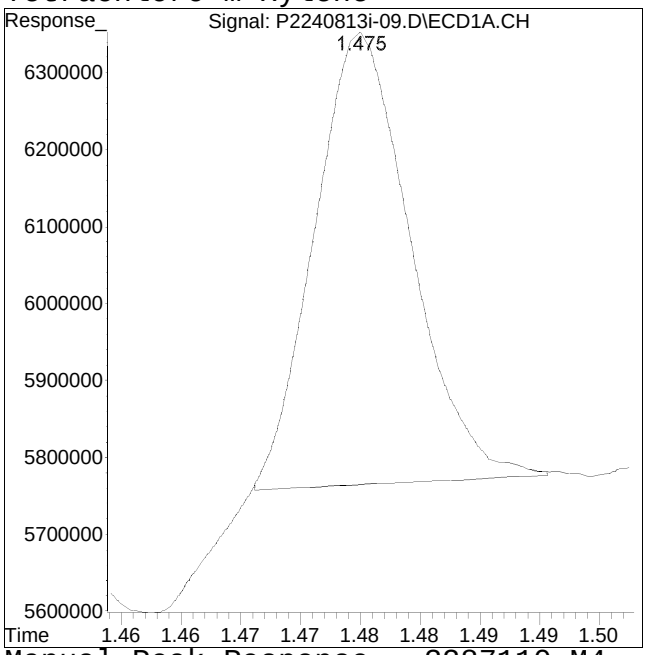
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 6210587



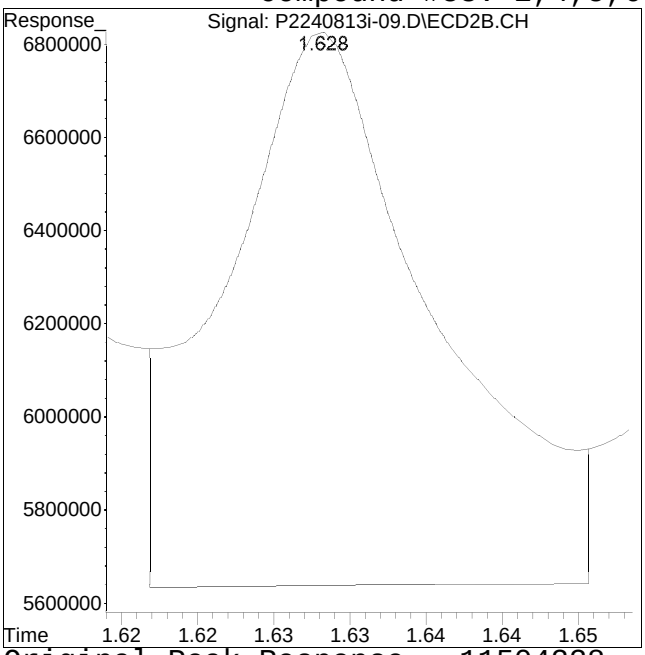
Manual Peak Response = 3287110 M4

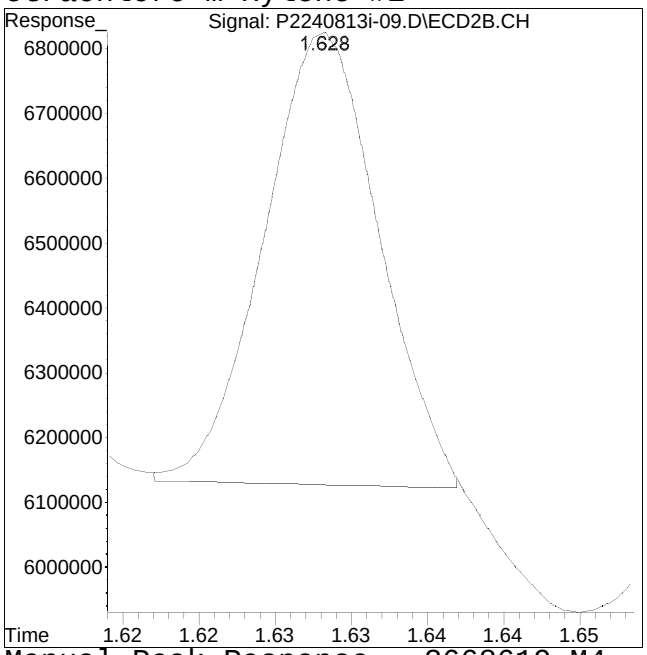
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



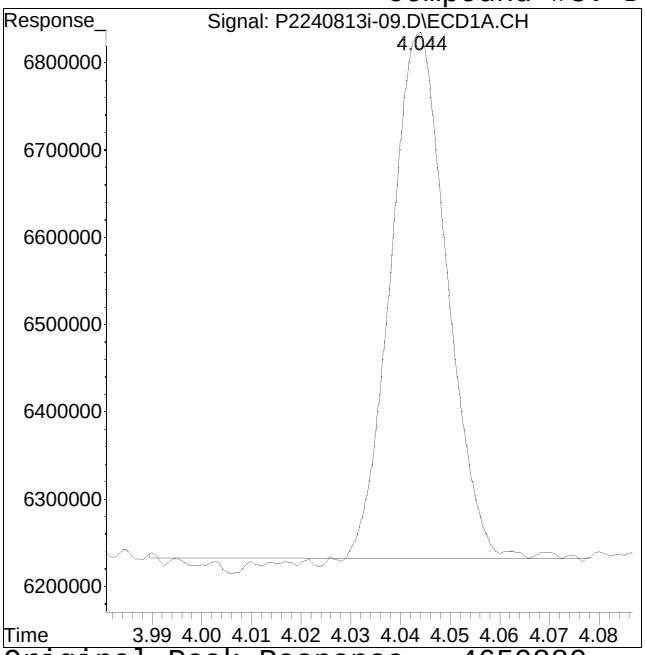


Original Peak Response = 11504238 Manual Peak Response = 3668619 M4
M4 = Poor automated baseline construction.

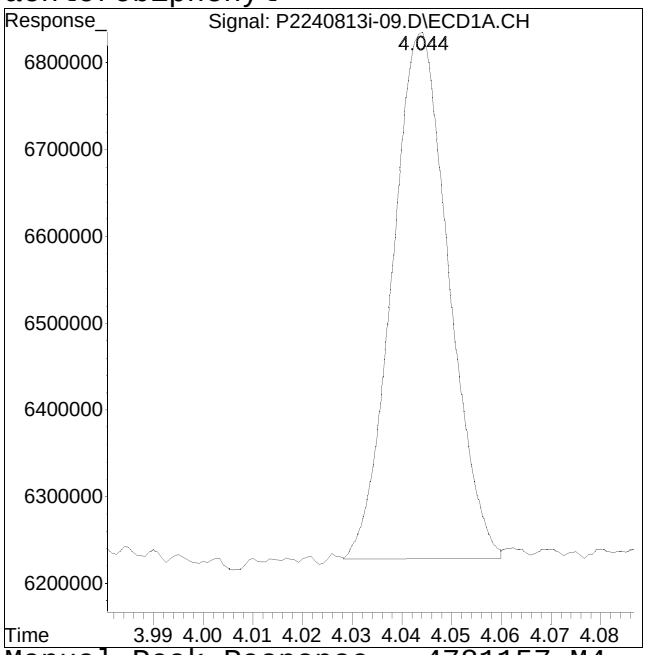
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



Original Peak Response = 4650880



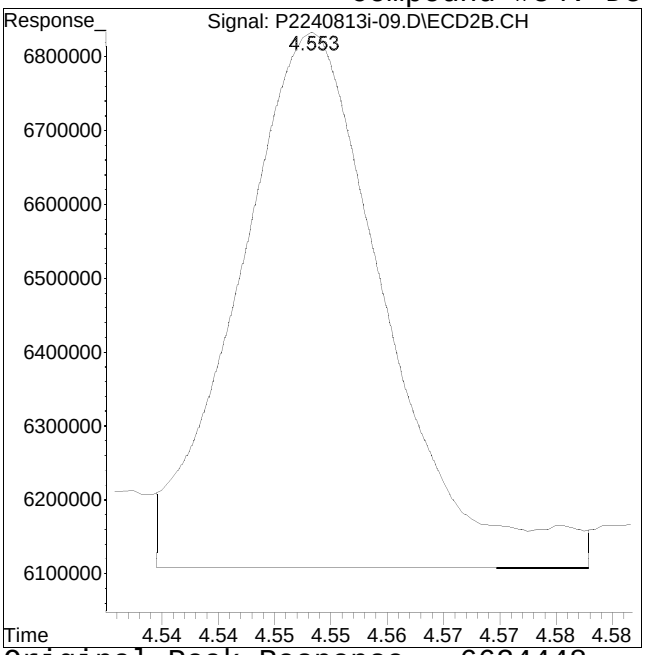
Manual Peak Response = 4781157 M4

M4 = Poor automated baseline construction.

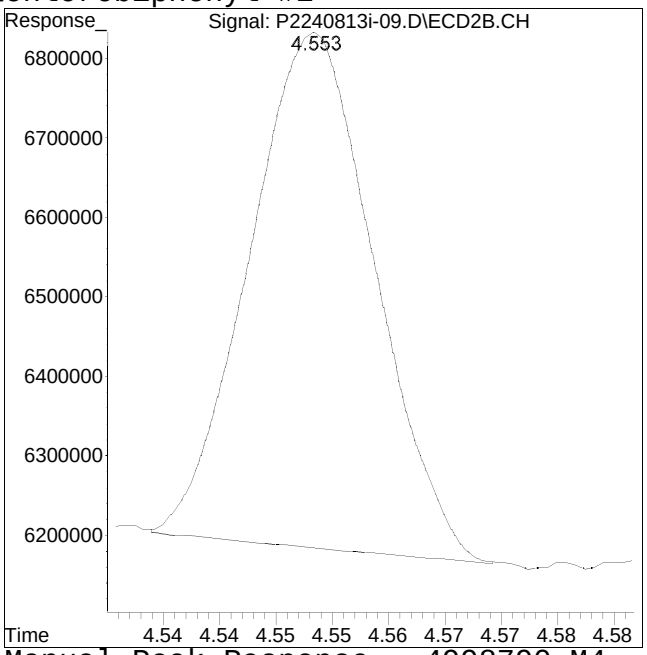
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 6624448



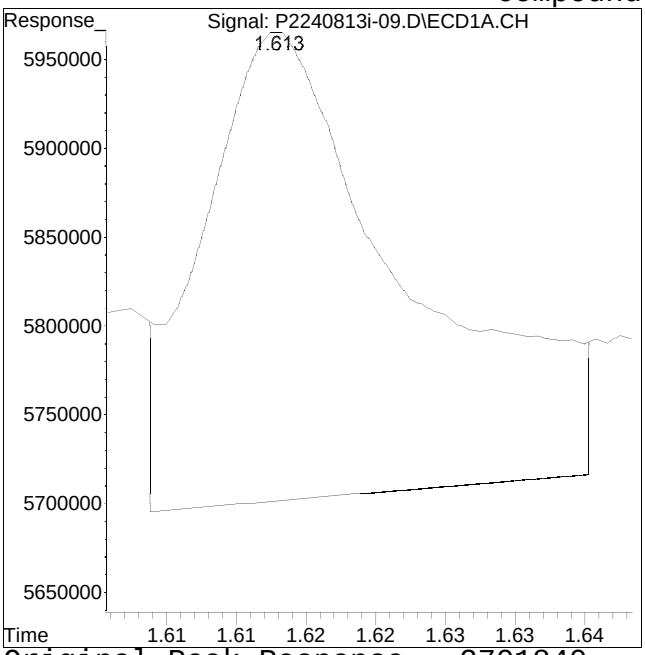
Manual Peak Response = 4998790 M4

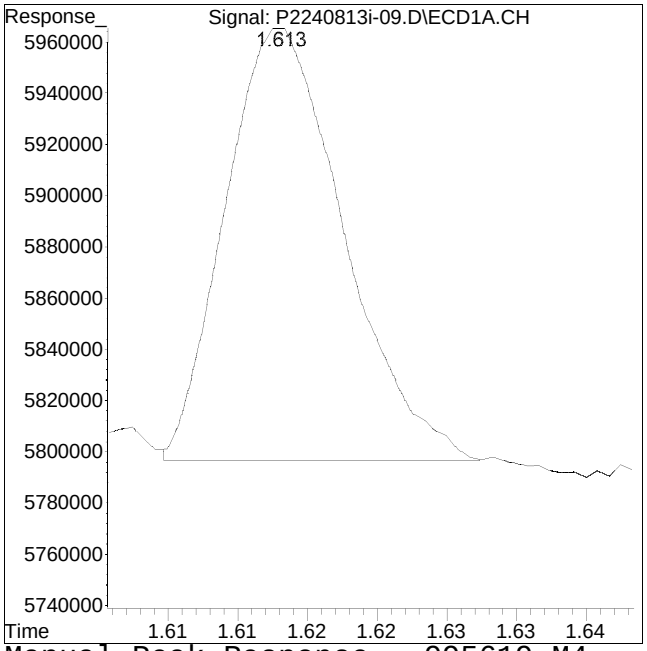
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



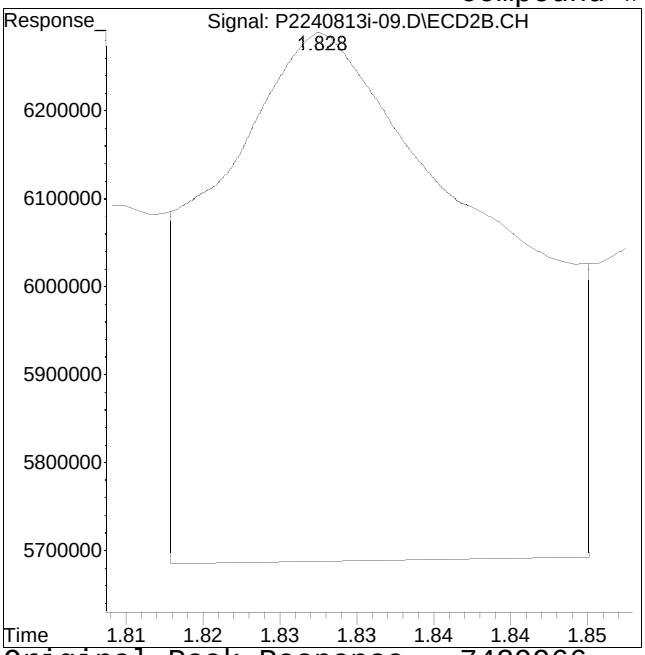


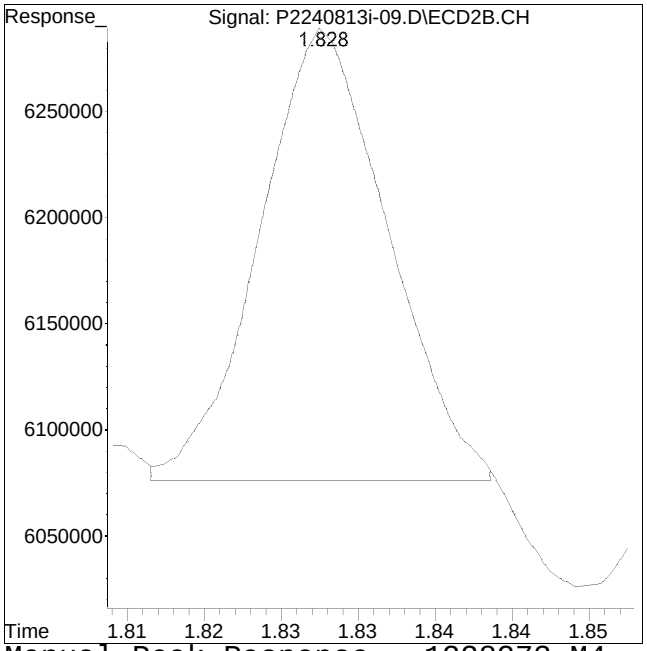
Original Peak Response = 2701840 Manual Peak Response = 995619 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



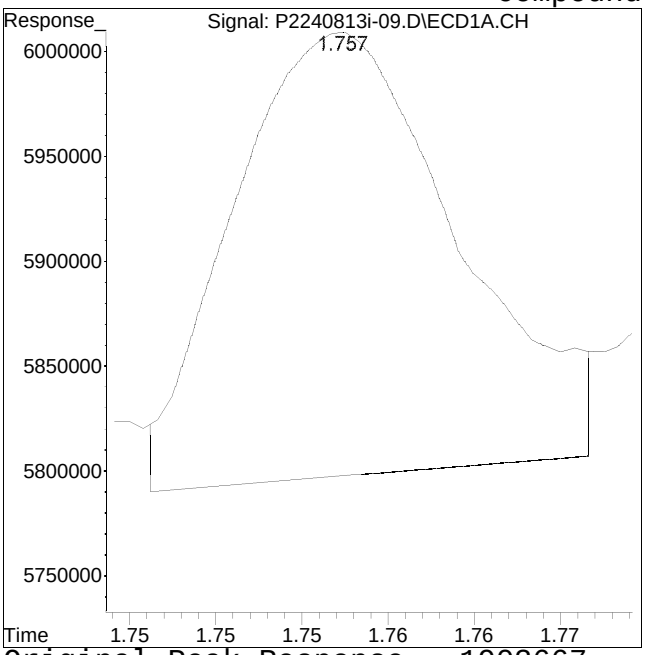


Original Peak Response = 7429966 Manual Peak Response = 1228273 M4
M4 = Poor automated baseline construction.

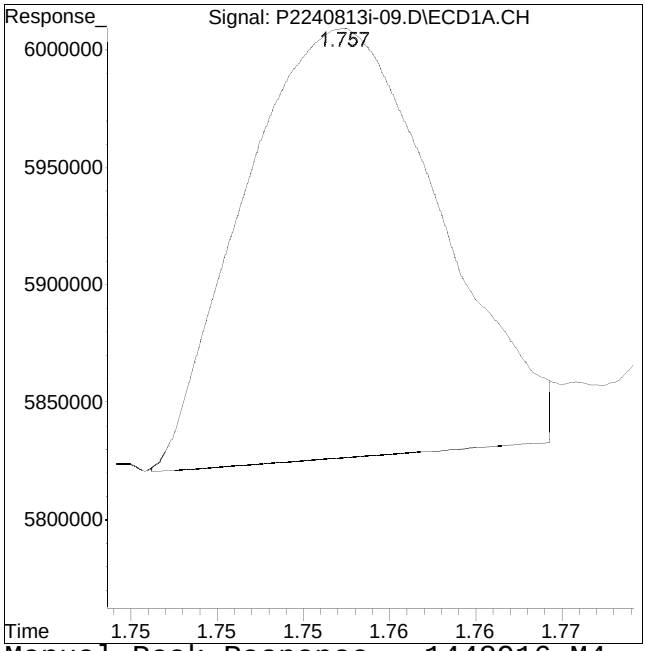
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



Original Peak Response = 1903667



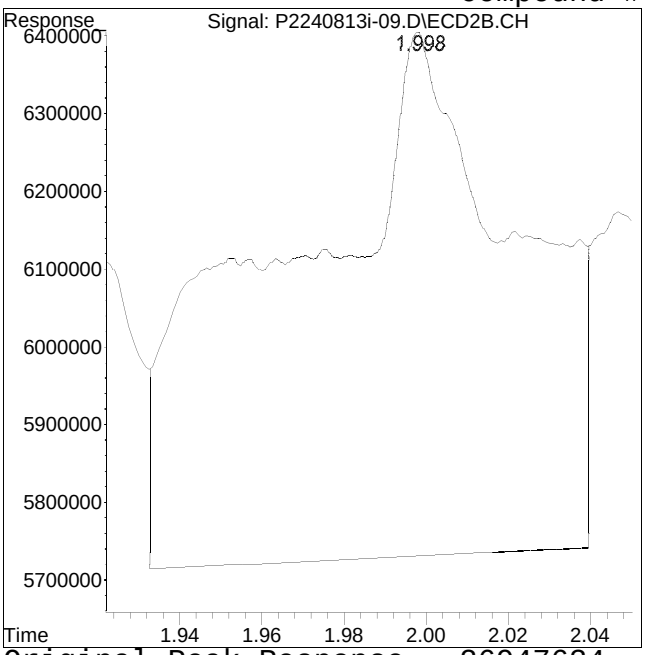
Manual Peak Response = 1448916 M4

M4 = Poor automated baseline construction.

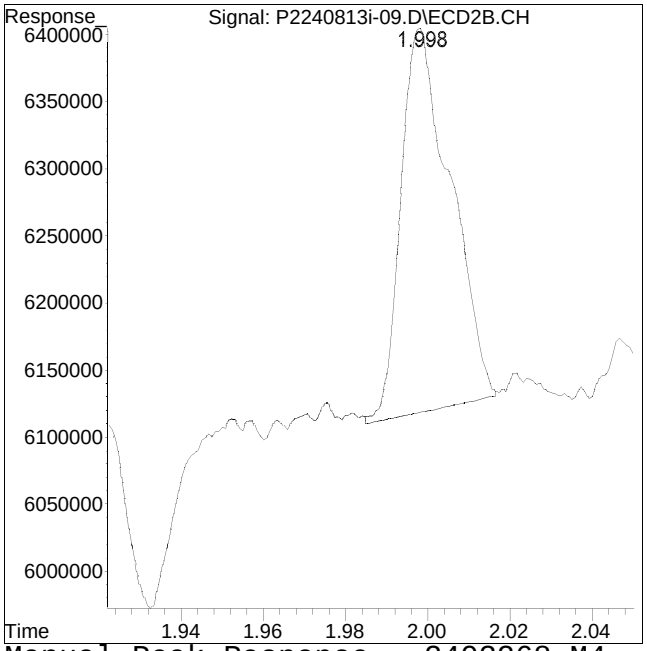
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



Original Peak Response = 26947634



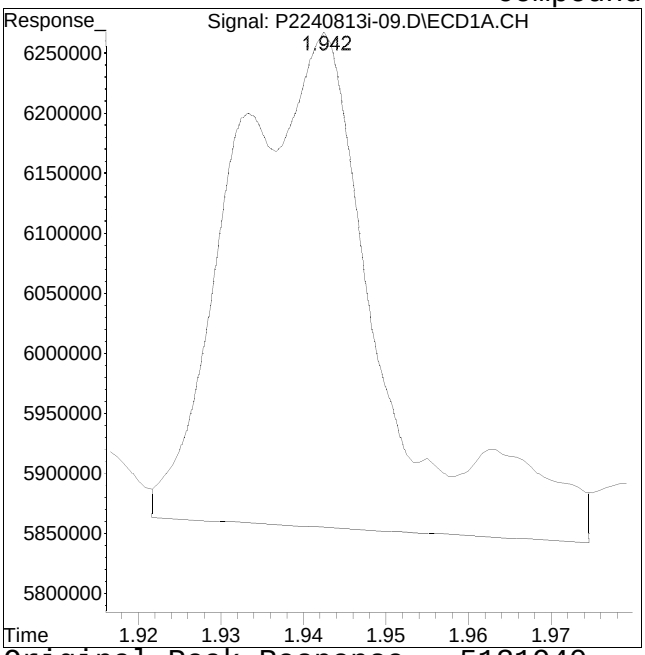
Manual Peak Response = 2403268 M4

M4 = Poor automated baseline construction.

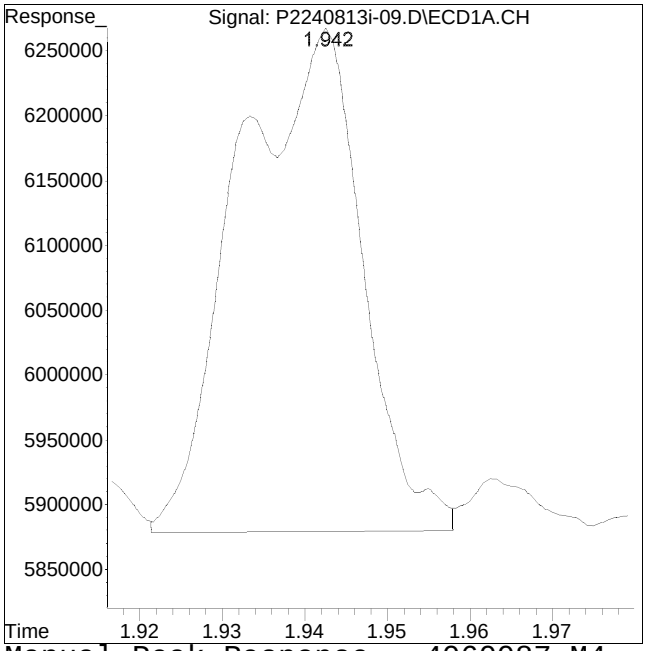
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



Original Peak Response = 5131940



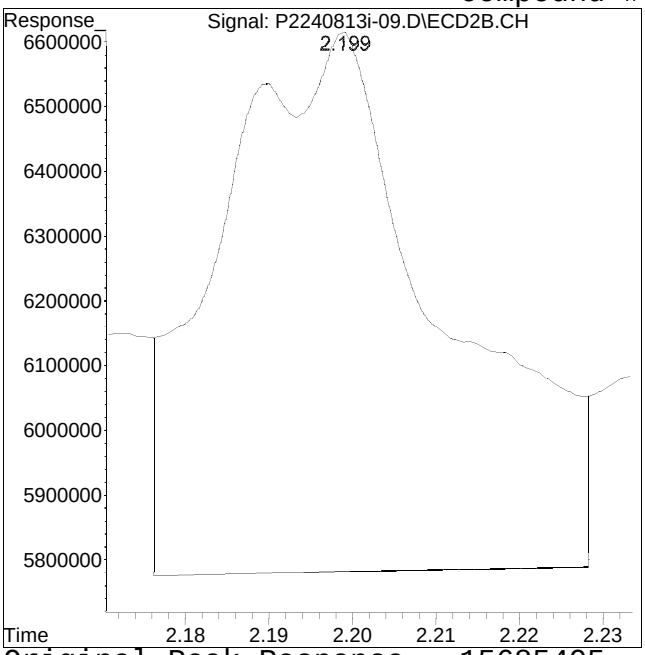
Manual Peak Response = 4060087 M4

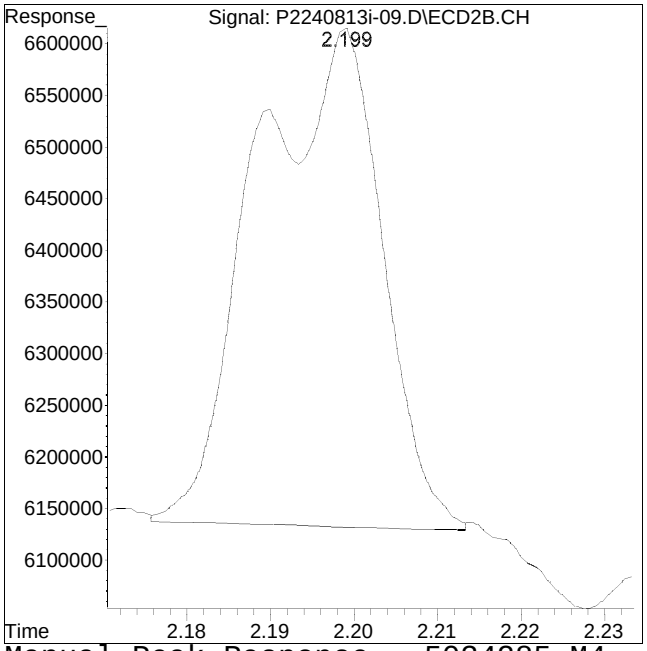
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



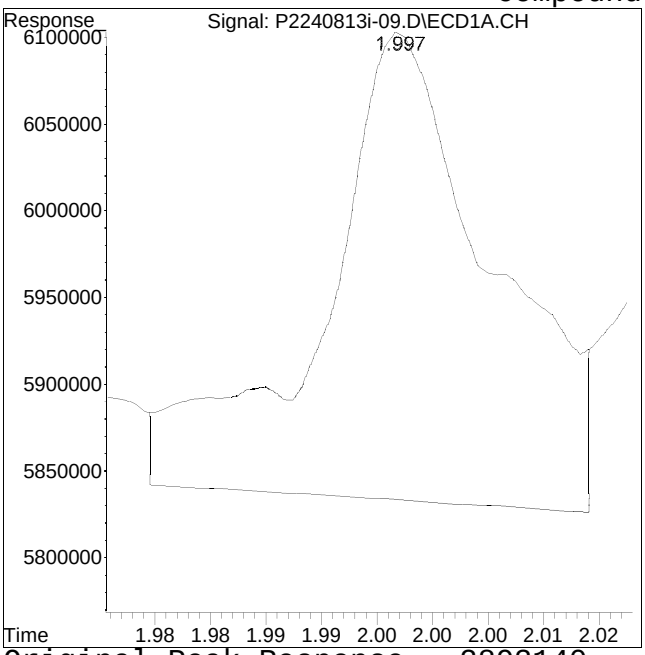


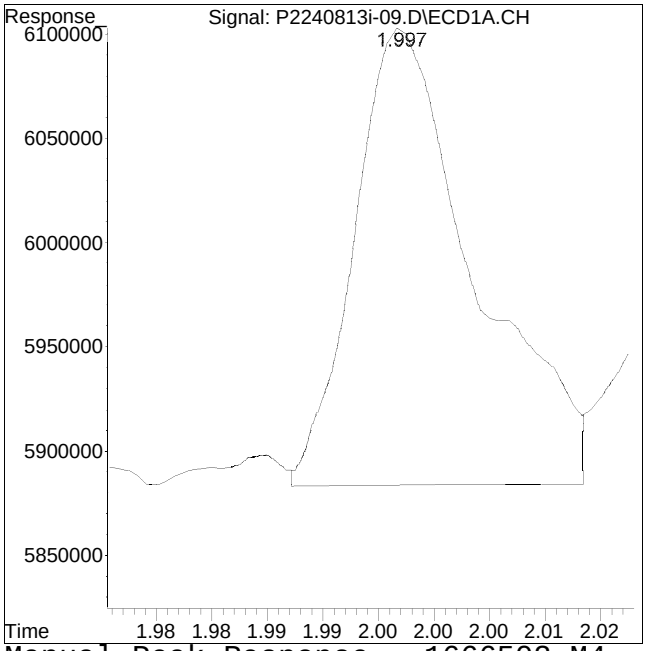
Original Peak Response = 15685495 Manual Peak Response = 5034285 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



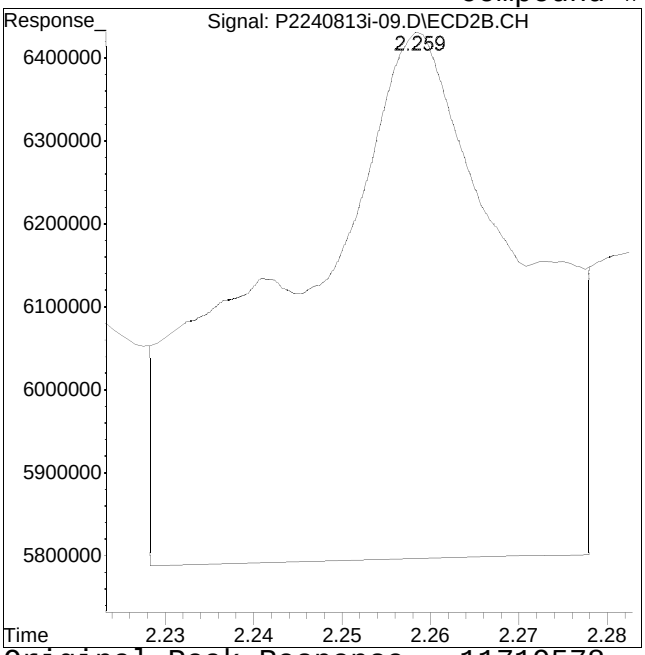


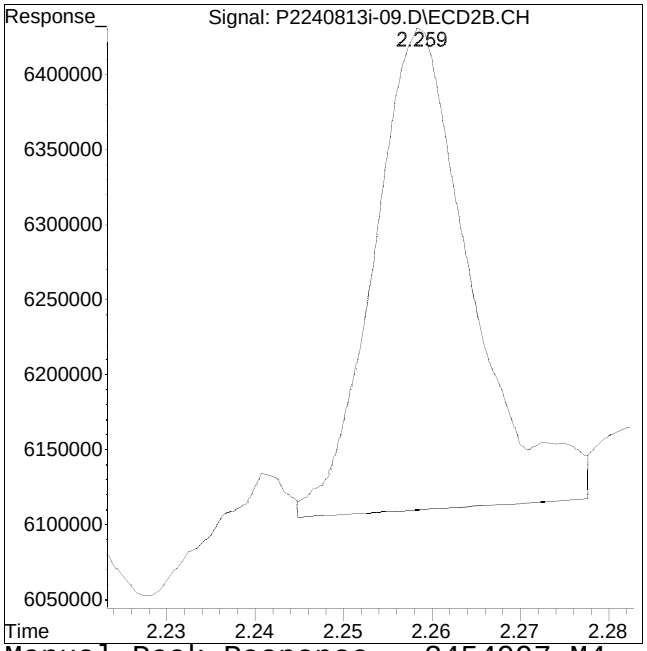
Original Peak Response = 2893140 Manual Peak Response = 1666502 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



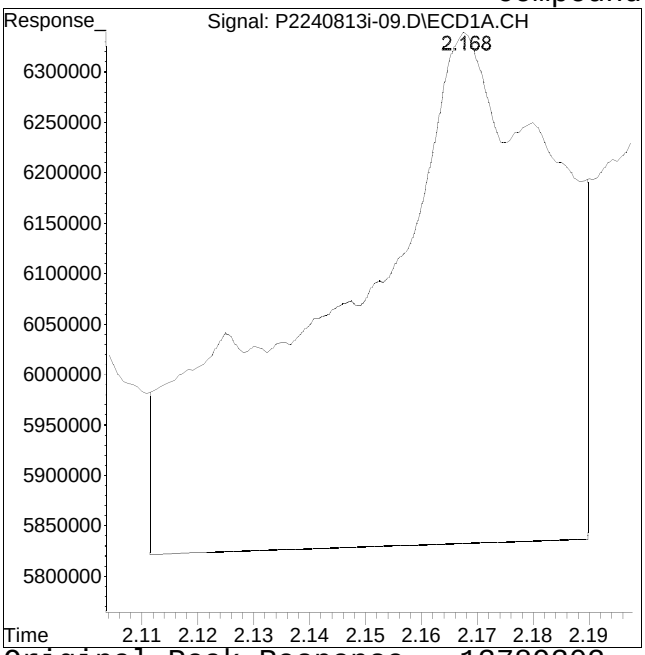


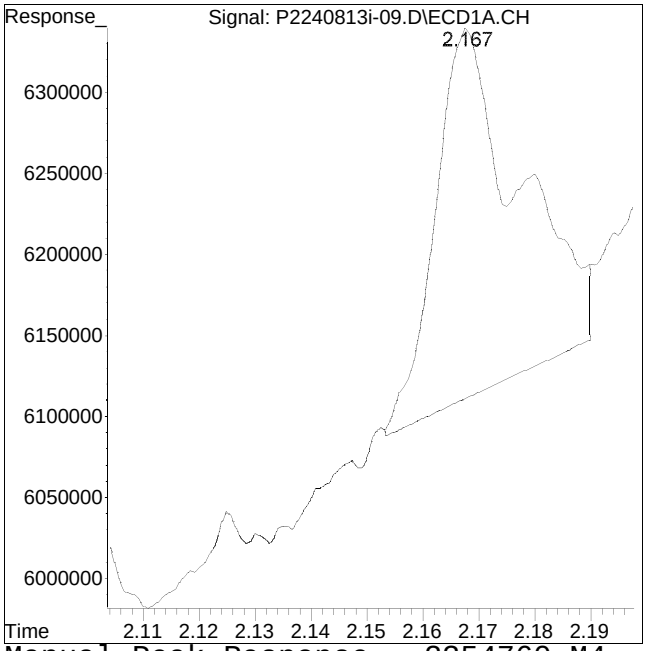
Original Peak Response = 11719578 Manual Peak Response = 2454997 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



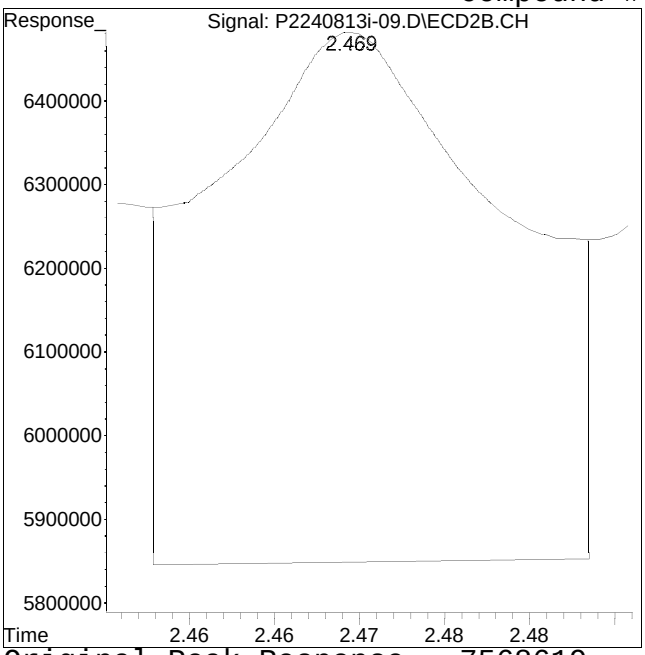


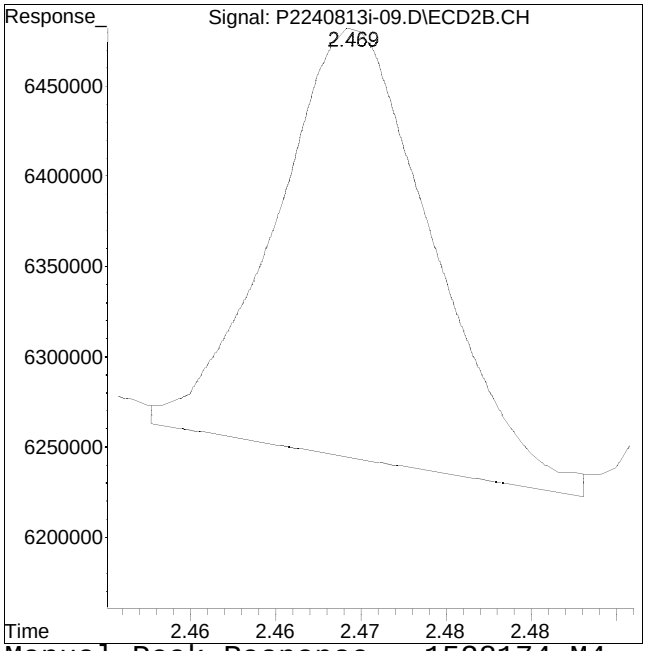
Original Peak Response = 13789302 Manual Peak Response = 2354760 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



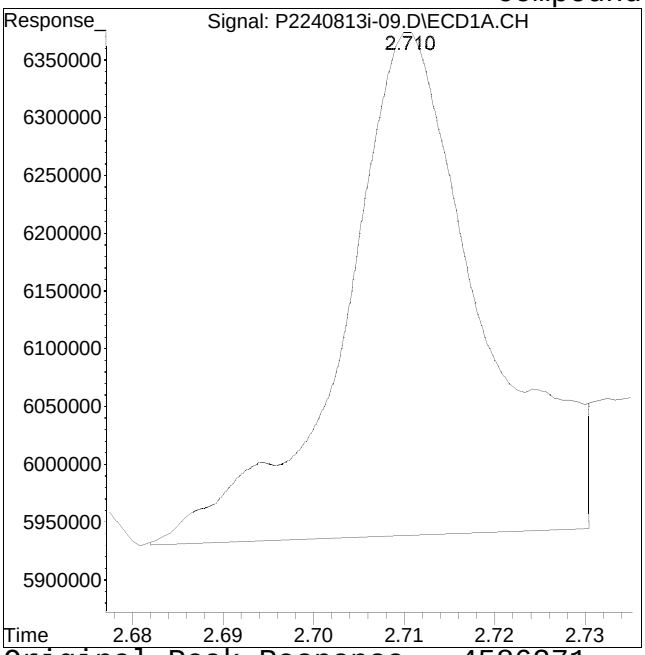


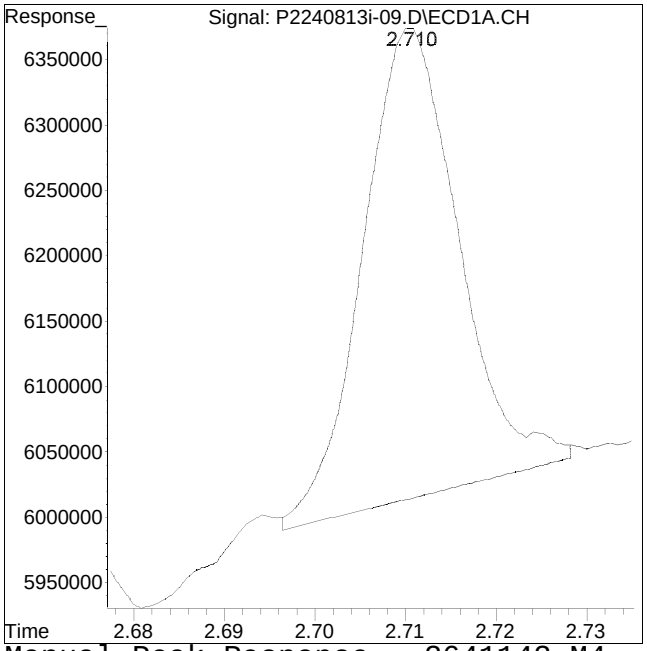
Original Peak Response = 7568619 Manual Peak Response = 1528174 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



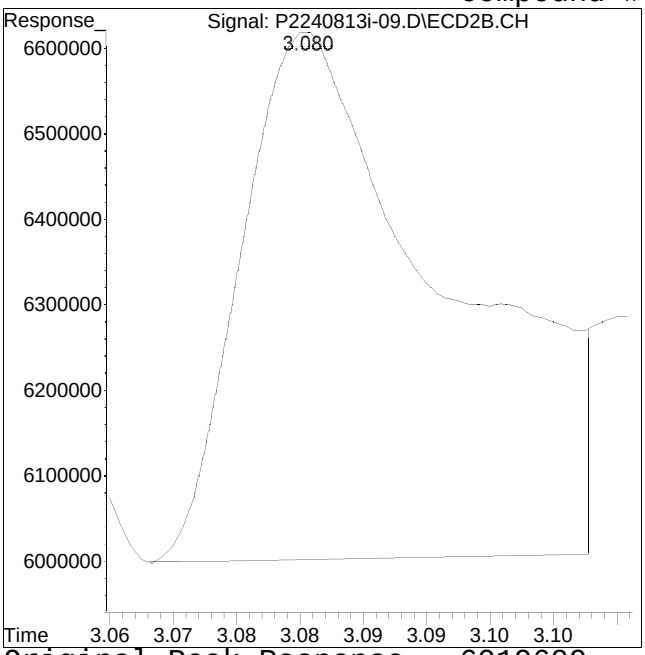


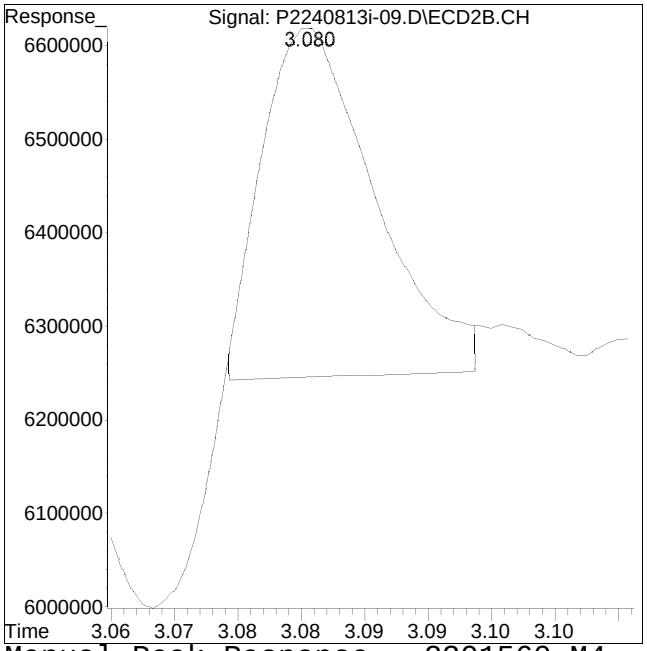
Original Peak Response = 4586271 Manual Peak Response = 2641142 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



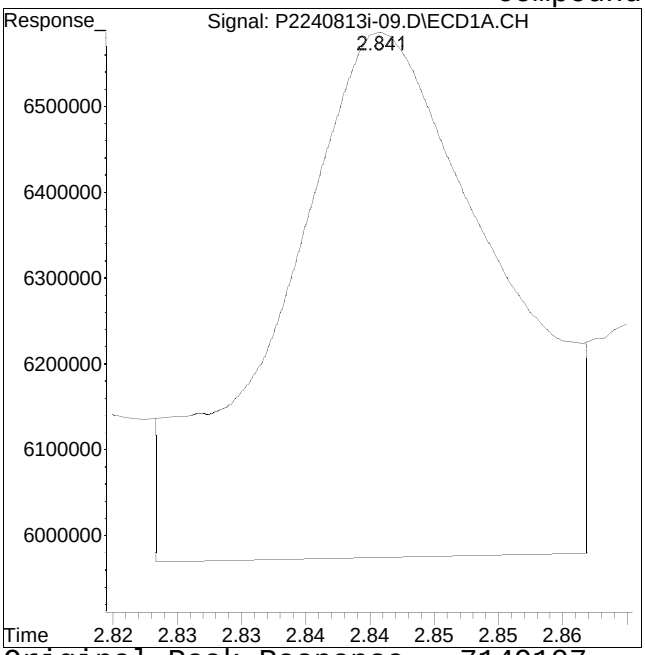


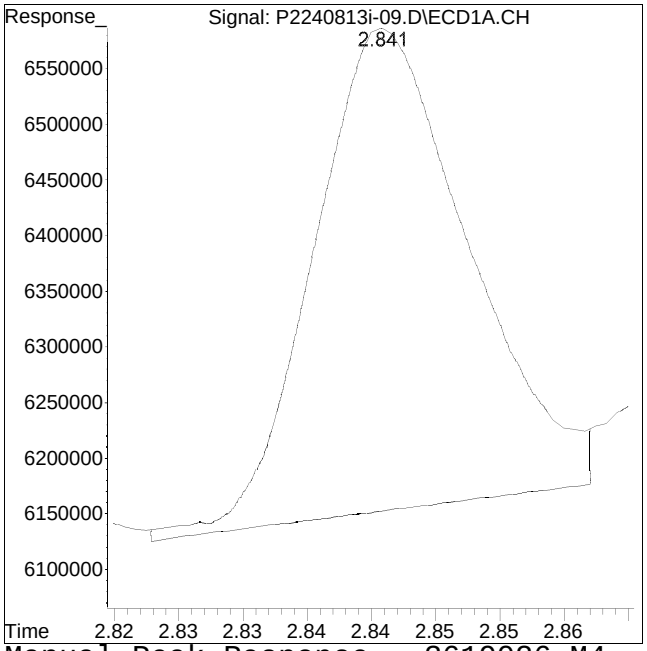
Original Peak Response = 6919699 Manual Peak Response = 2301560 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



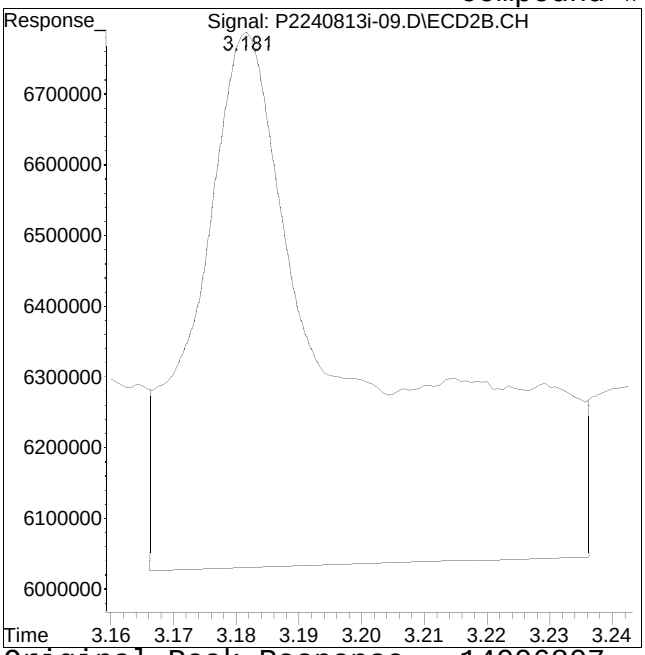


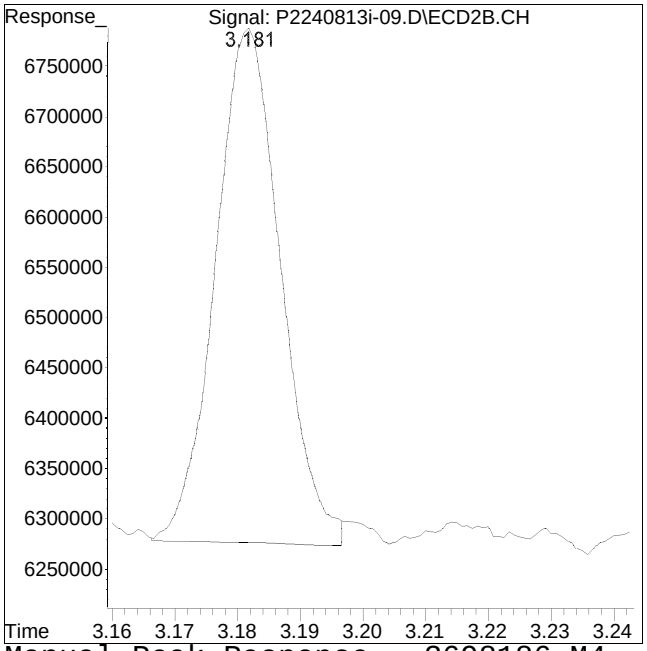
Original Peak Response = 7149107 Manual Peak Response = 3619026 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



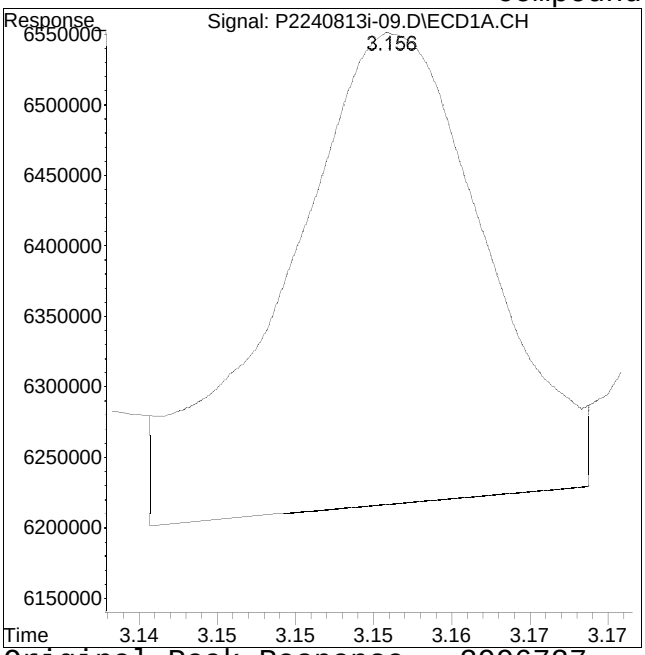


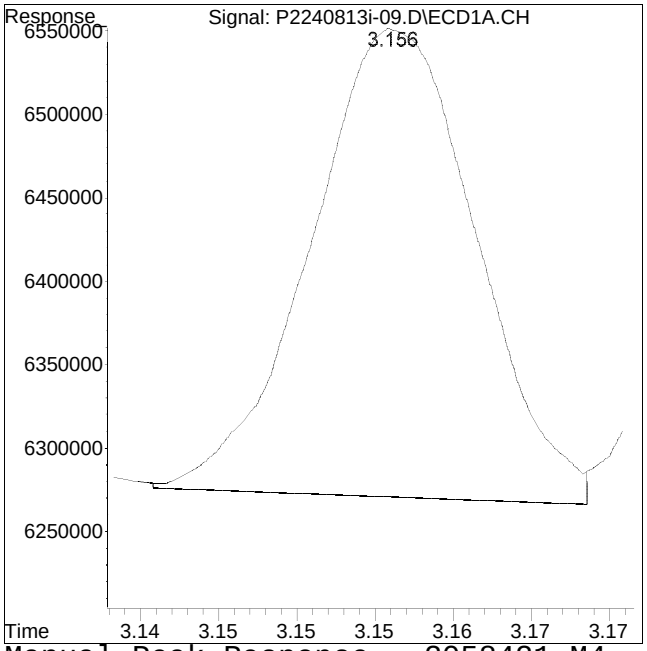
Original Peak Response = 14006807 Manual Peak Response = 3698186 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



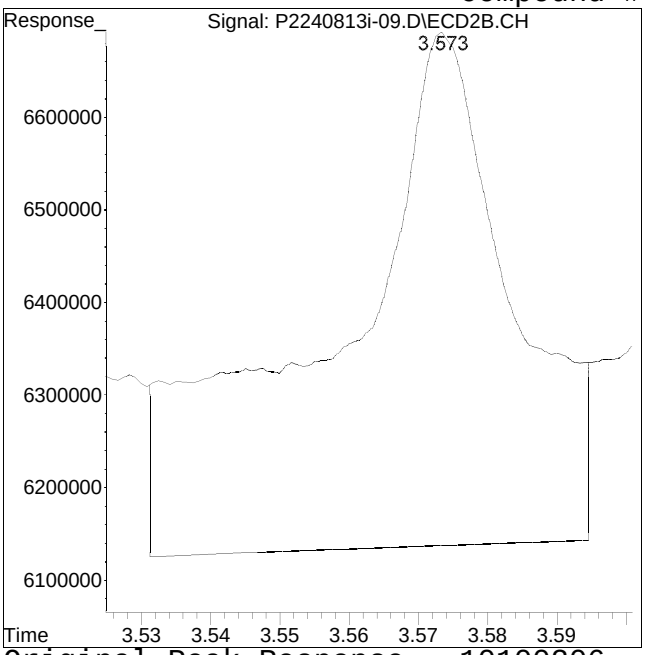


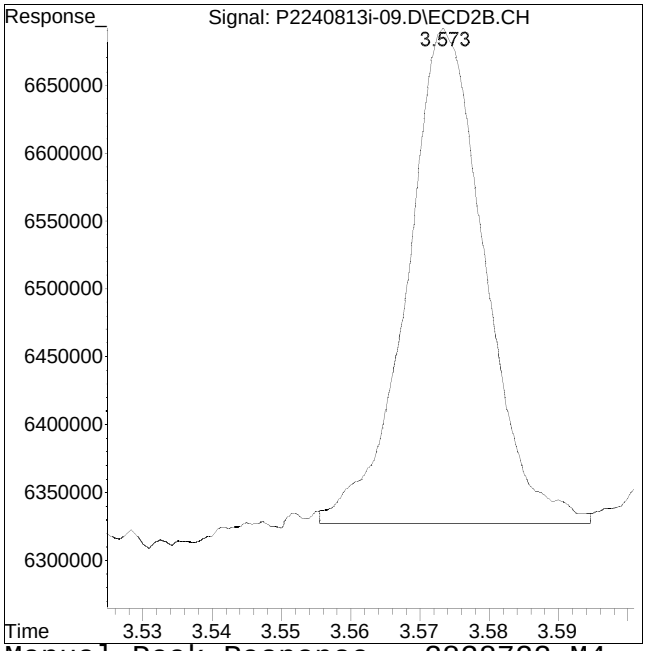
Original Peak Response = 2996727 Manual Peak Response = 2058421 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



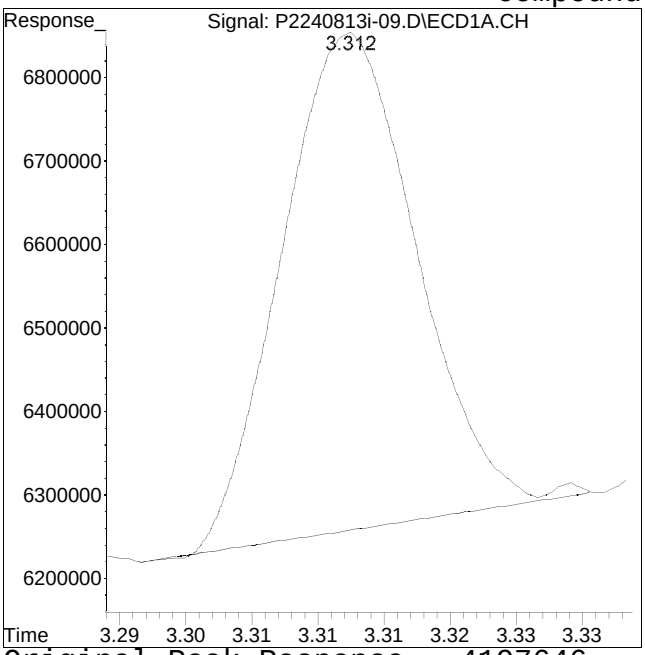


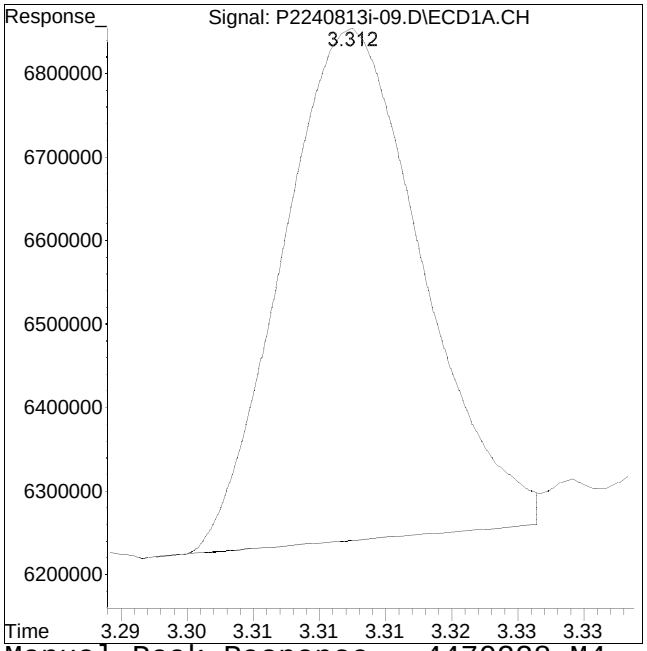
Original Peak Response = 10100206 Manual Peak Response = 2838722 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



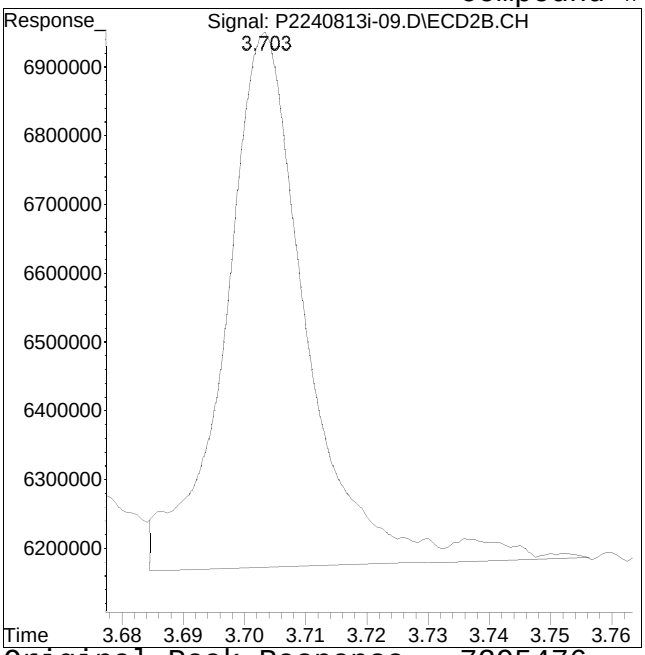


Original Peak Response = 4197646 Manual Peak Response = 4470228 M4
M4 = Poor automated baseline construction.

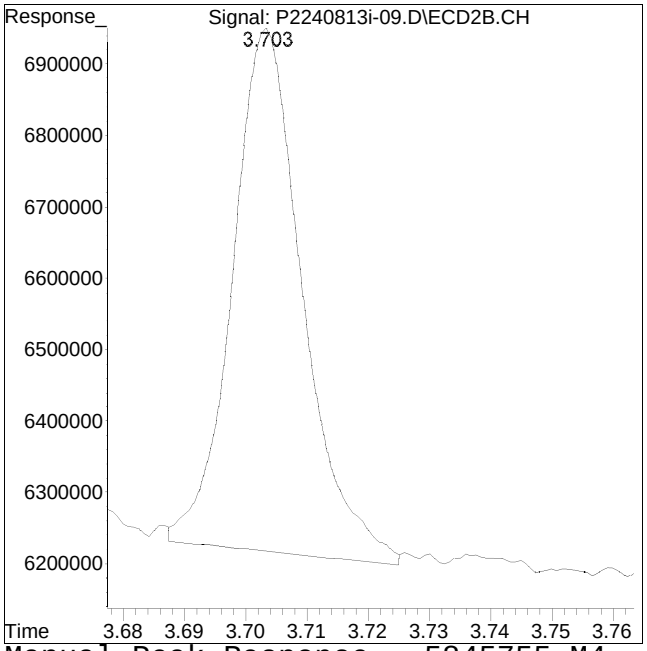
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



Original Peak Response = 7295476



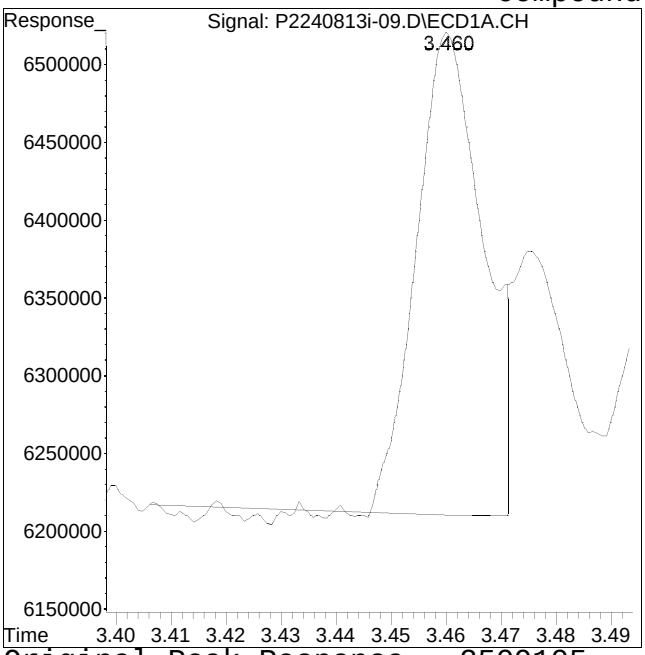
Manual Peak Response = 5845755 M4

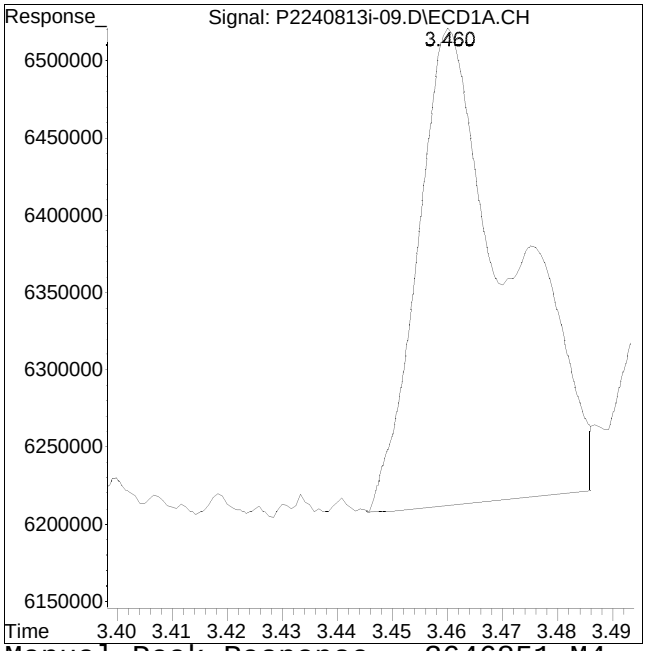
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



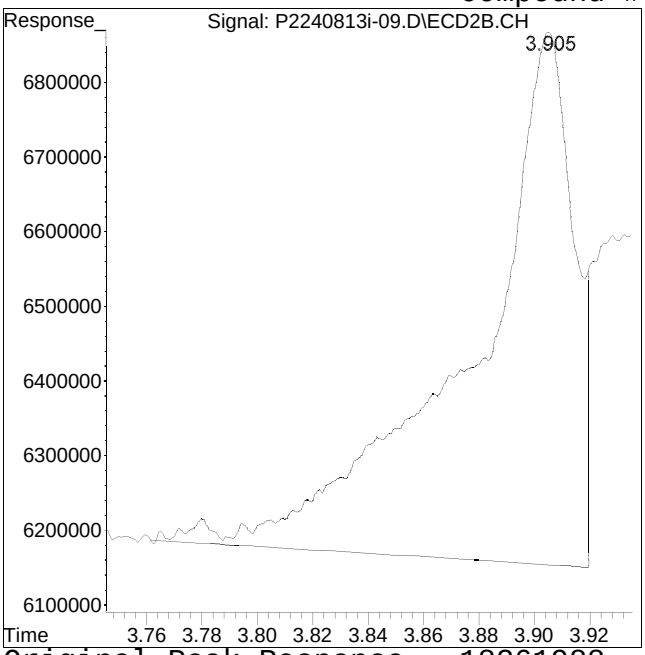


Original Peak Response = 2509105 Manual Peak Response = 3646851 M4
M4 = Poor automated baseline construction.

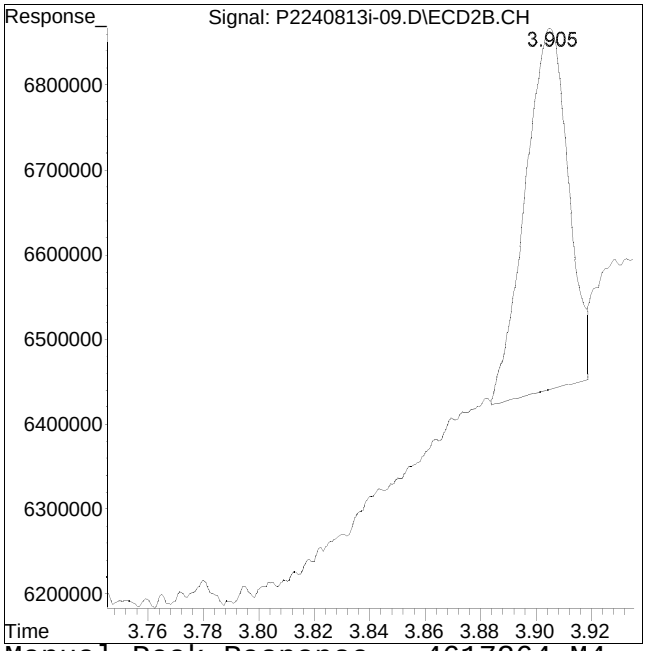
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-09.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 10:52 Instrument : Pest 2
Sample : il11660,42e,,pp 11664 L4LVQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 18261988



Manual Peak Response = 4617264 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	193.8E6	228.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	7582036	9057478	0.610M4	0.644M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	3.05%#	3.22%#
3) s	Decachlorobi	4.044	4.553	11645867	12855666	1.247M4	1.379M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	6.24%#	6.89%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	2324444	2643153	5.309M4	2.657M4
5) l1	1016-2	1.756	1.998	4015390	5977608	8.529M4	1.753M4
6) l1	1016-3	1.942	2.200	9350544	11715857	8.500M4	4.937M4
7) l1	1016-4	1.997	2.259	3907302	4685272	7.017M4	2.946M4
8) l1	1016-5	2.168	2.470	5257836	3389577	2.806M4	3.227M4
	Sum 1016-1			24855516	28411468	32.160	15.520 D
	Average 1016-1					6.432	3.104 D
9) l2	1260-1	2.710	3.080	5885223	6398898	6.765M4	5.650M4
10) l2	1260-2	2.841	3.181	8853630	8605552	6.752M4	4.230M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	5283289	7087733	8.022M4	4.706M4
12) l2	1260-4	3.313	3.703	11234439	13340314	10.294	8.899M4
13) l2	1260-5	3.460	3.906	8449095	9836317	11.510M1	3.793M4
Sum	1260-1			39705675	45268815	NoCal	NoCal D
Average	1260-1					8.669	5.456 D
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D.	N.D.
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

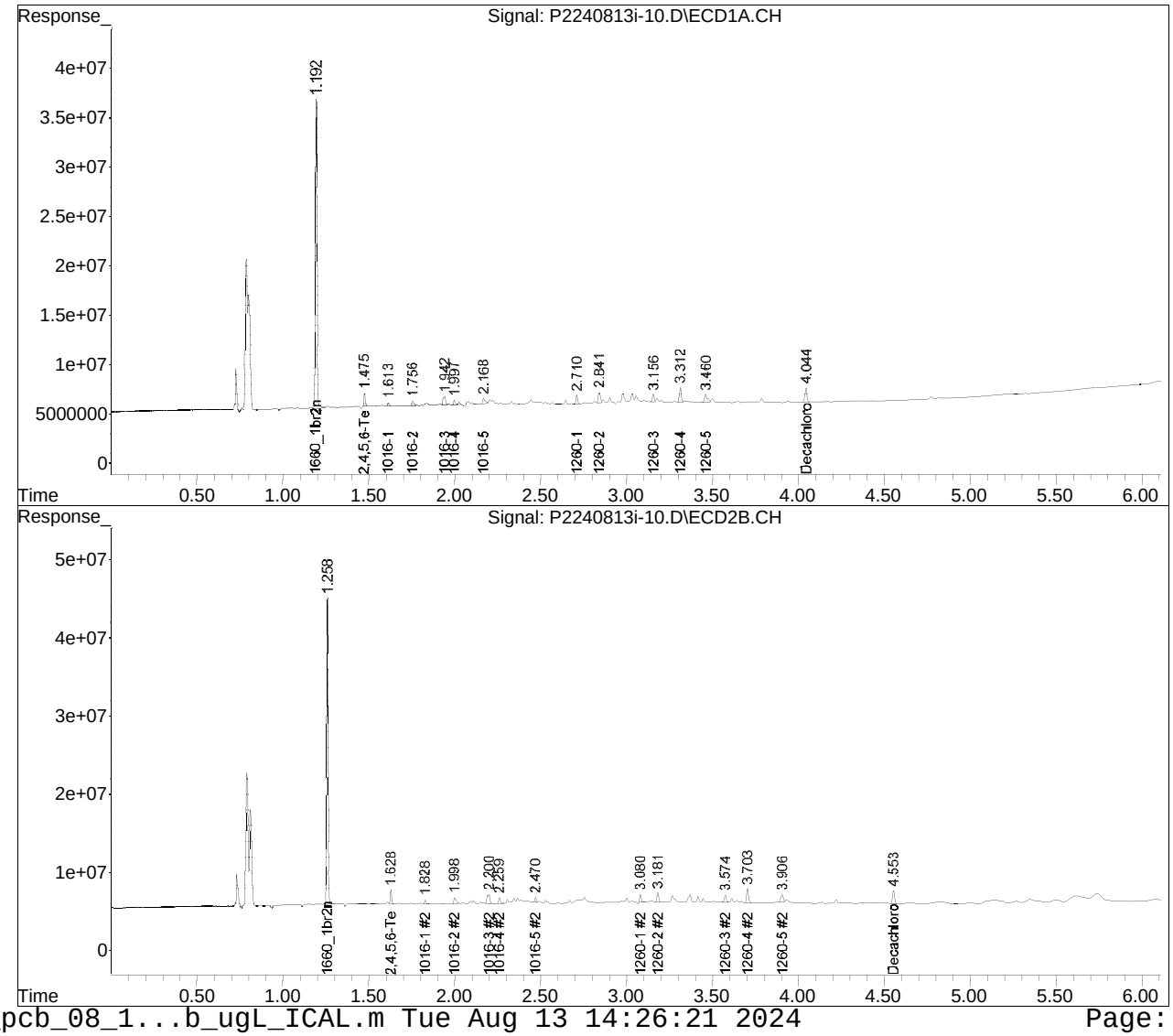
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-10.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:01
Operator : pest2:rmp
Sample : il21660,42e,,pp 11664 L10LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:28 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:25 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

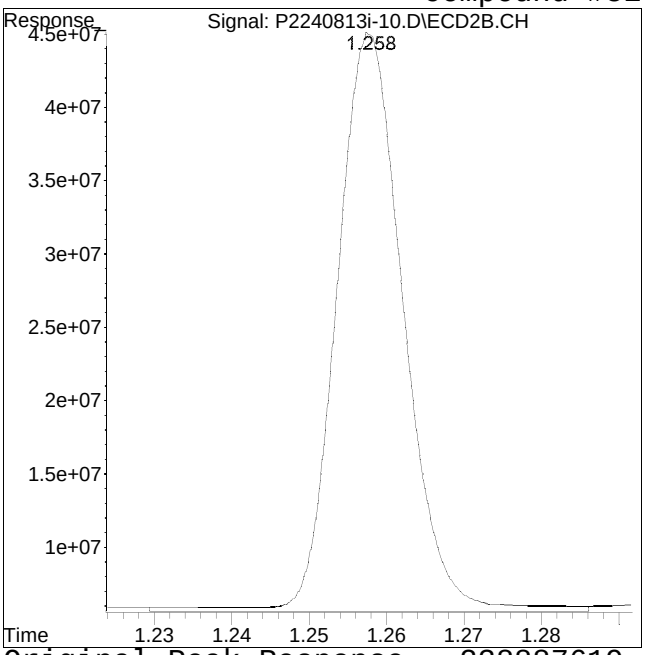
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

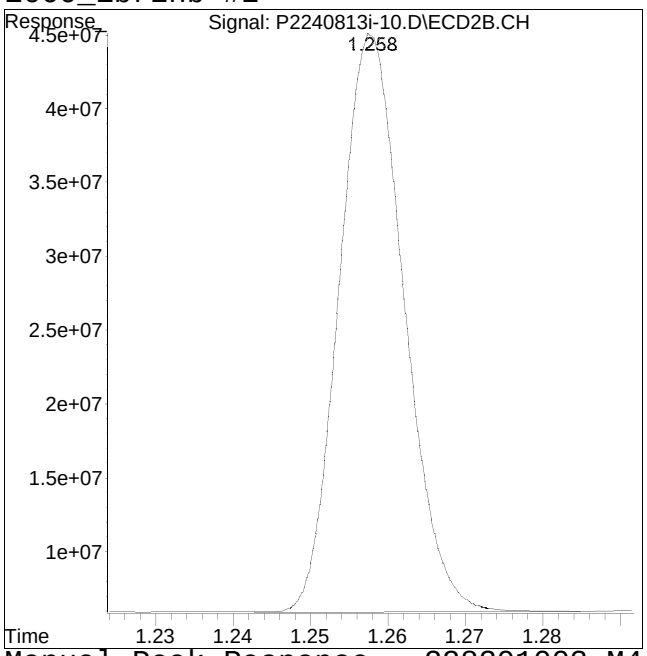


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



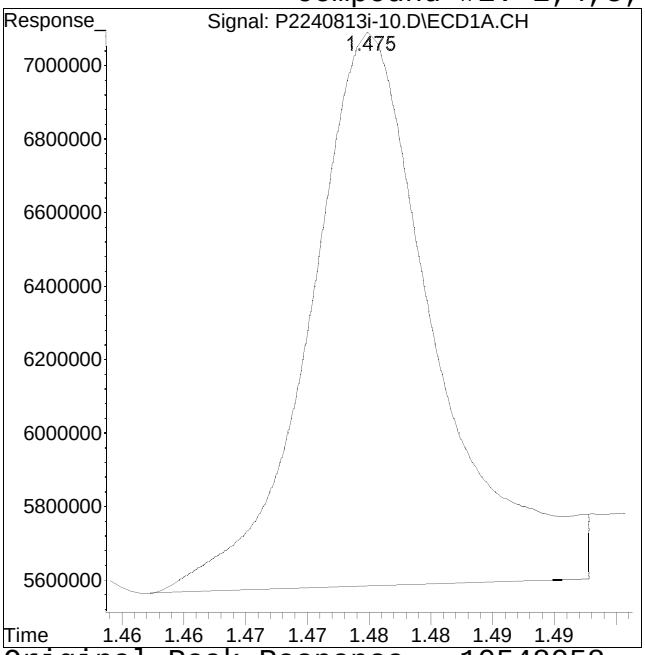


Original Peak Response = 238887619 Manual Peak Response = 228301003 M4
M4 = Poor automated baseline construction.

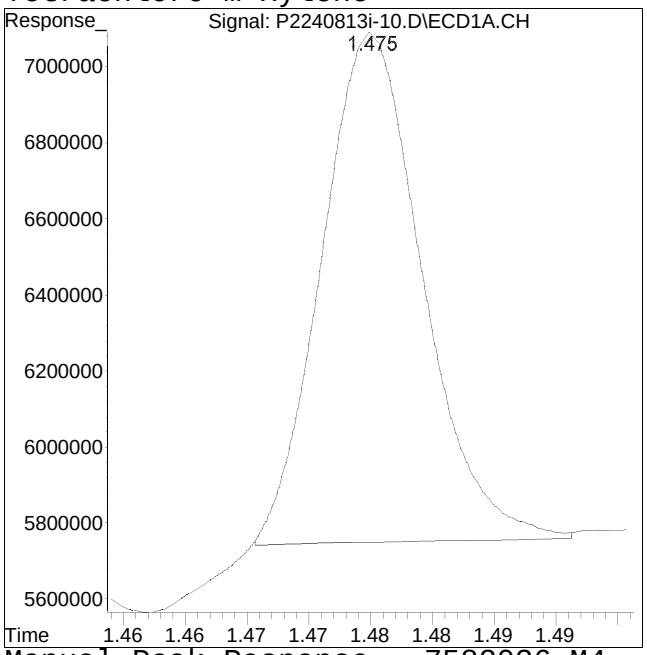
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 10548058



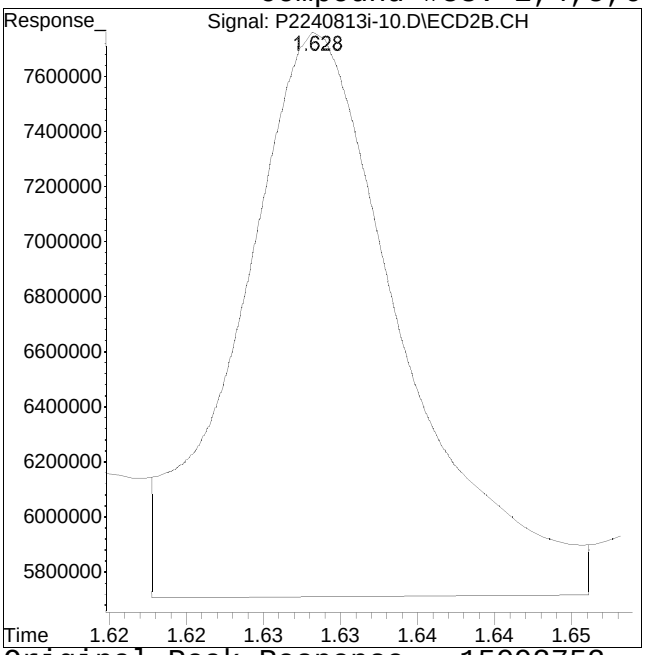
Manual Peak Response = 7582036 M4

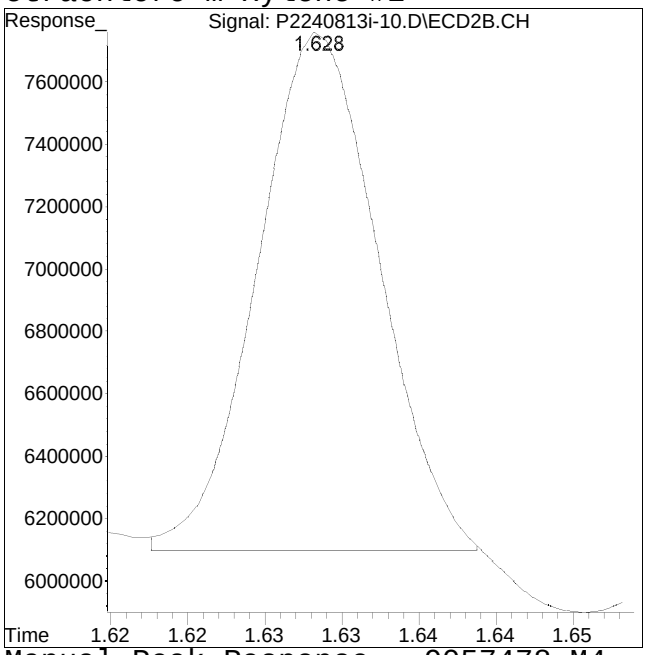
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



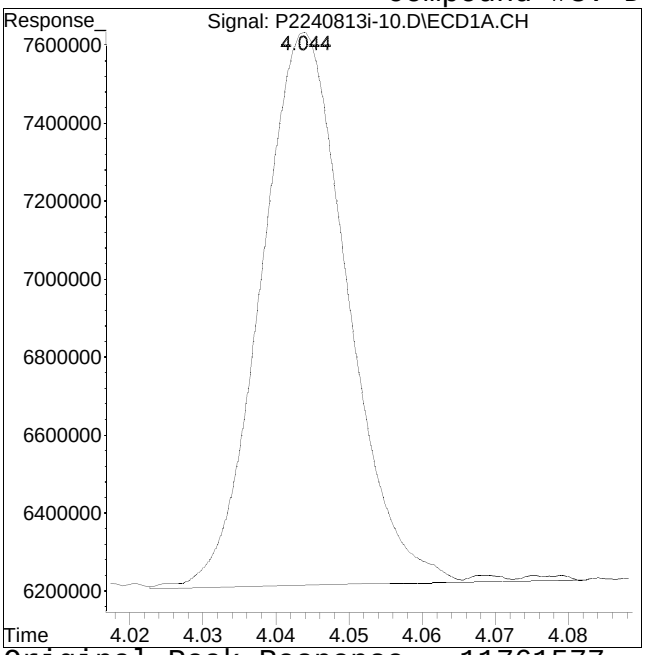


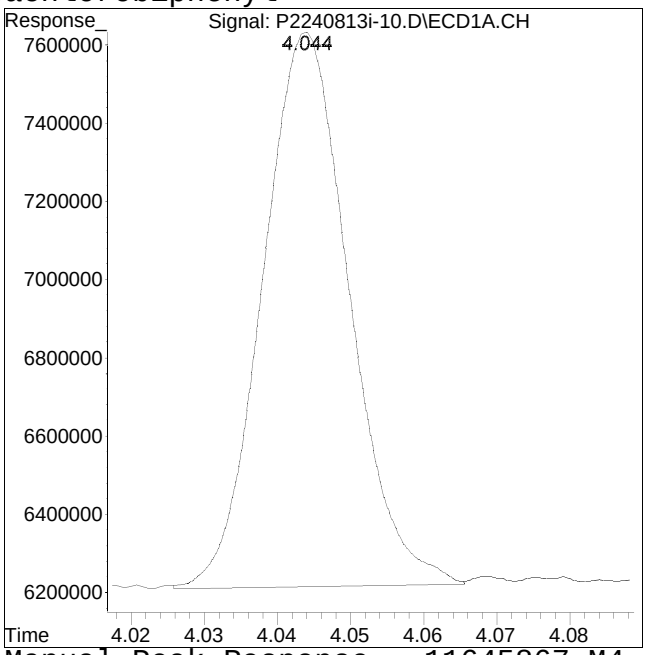
Original Peak Response = 15092752 Manual Peak Response = 9057478 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



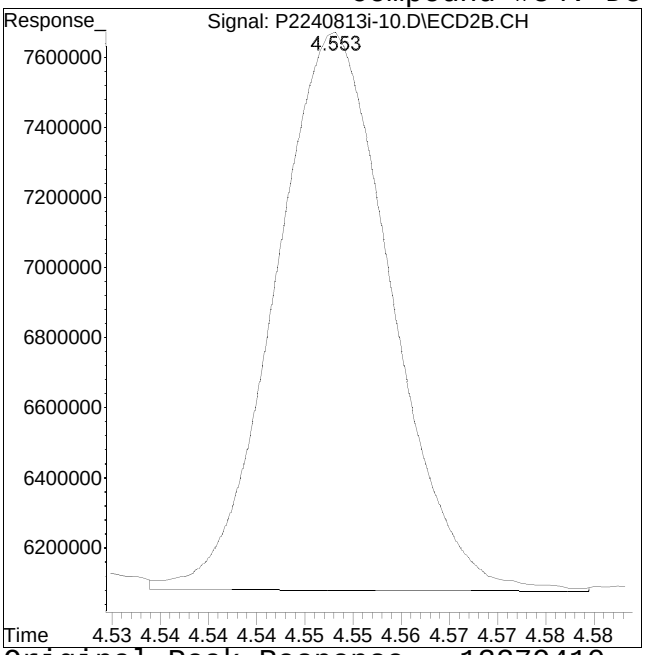


Original Peak Response = 11761577 Manual Peak Response = 11645867 M4
M4 = Poor automated baseline construction.

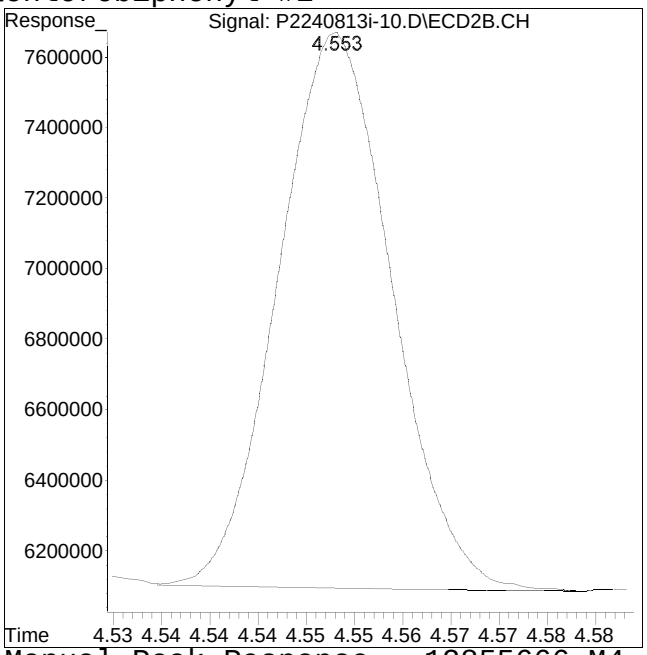
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



Original Peak Response = 13279410



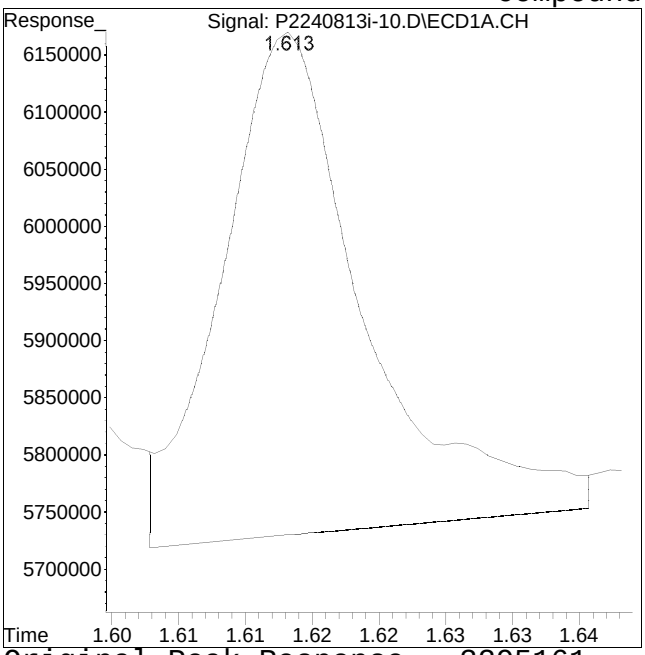
Manual Peak Response = 12855666 M4

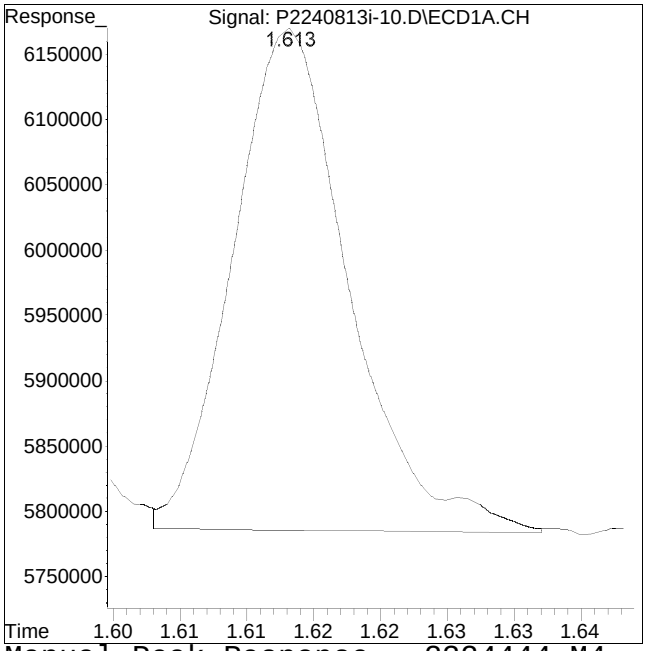
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



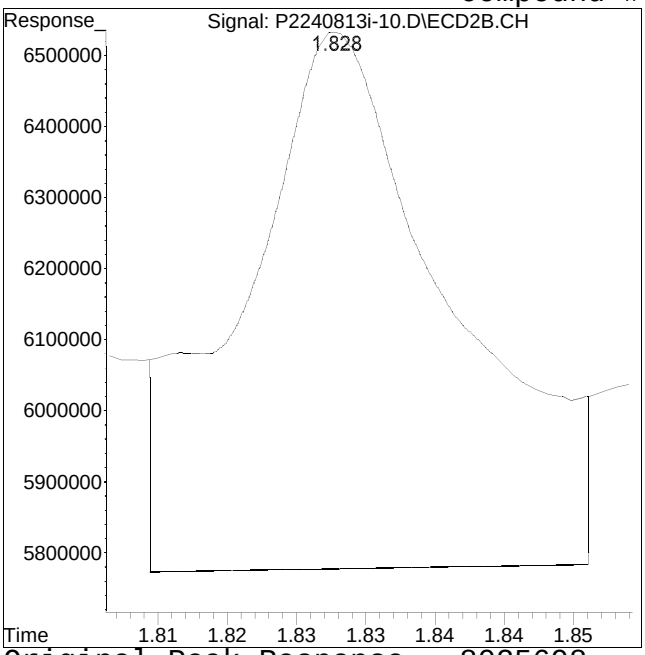


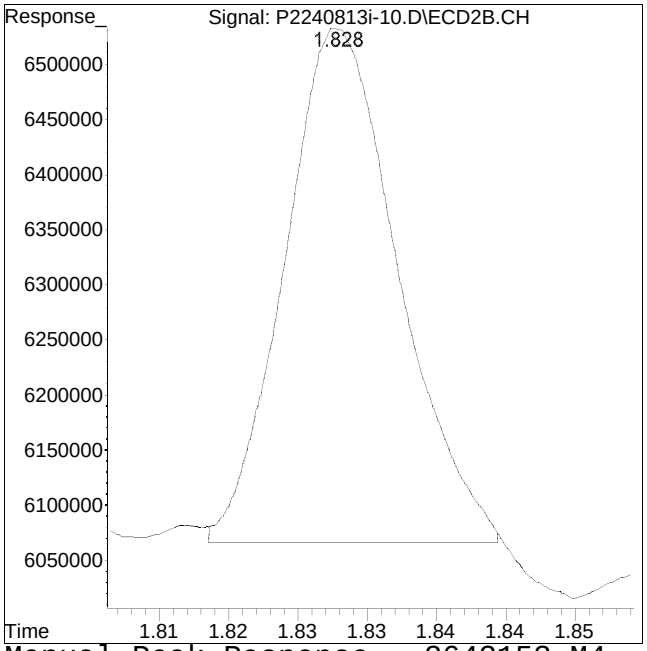
Original Peak Response = 3295161 Manual Peak Response = 2324444 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



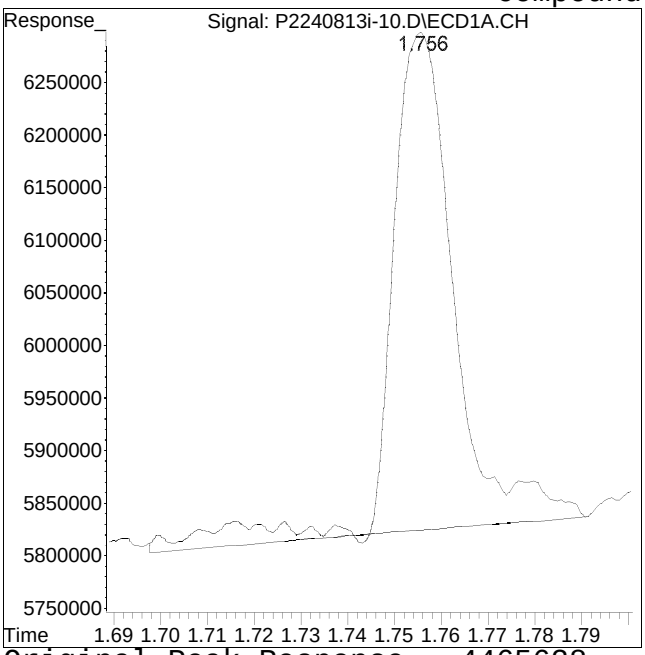


Original Peak Response = 8025698 Manual Peak Response = 2643153 M4
M4 = Poor automated baseline construction.

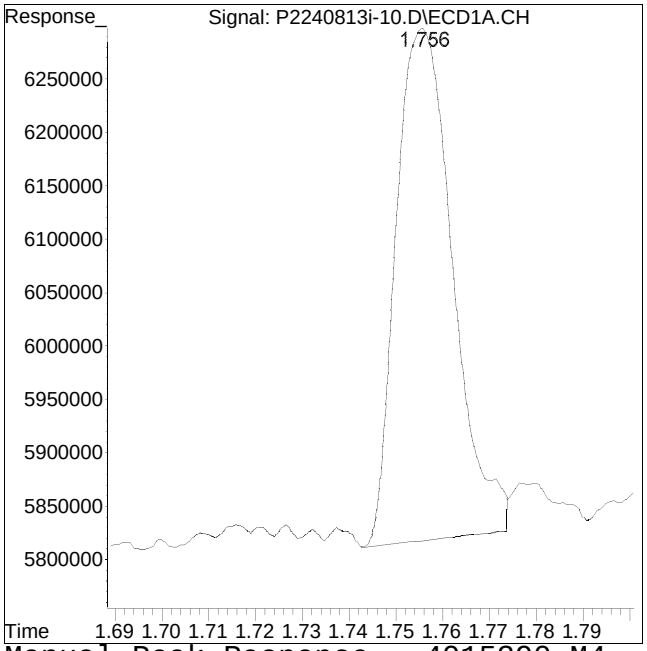
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



Original Peak Response = 4465628



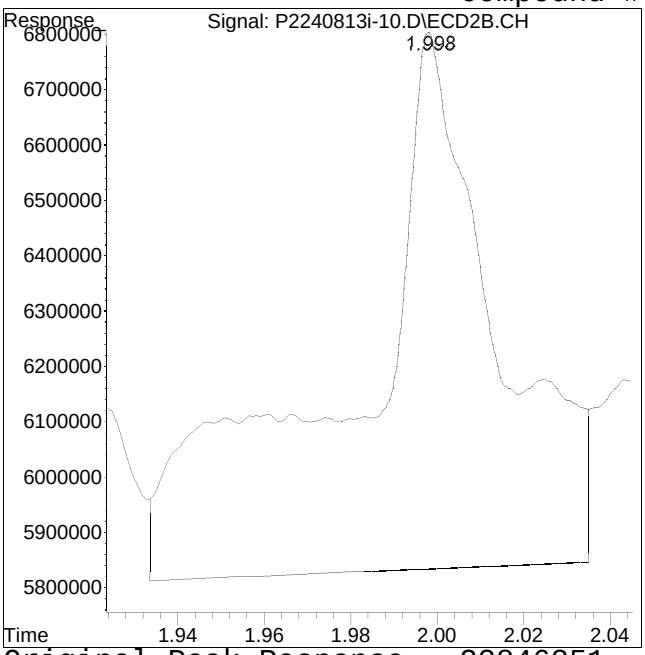
Manual Peak Response = 4015390 M4

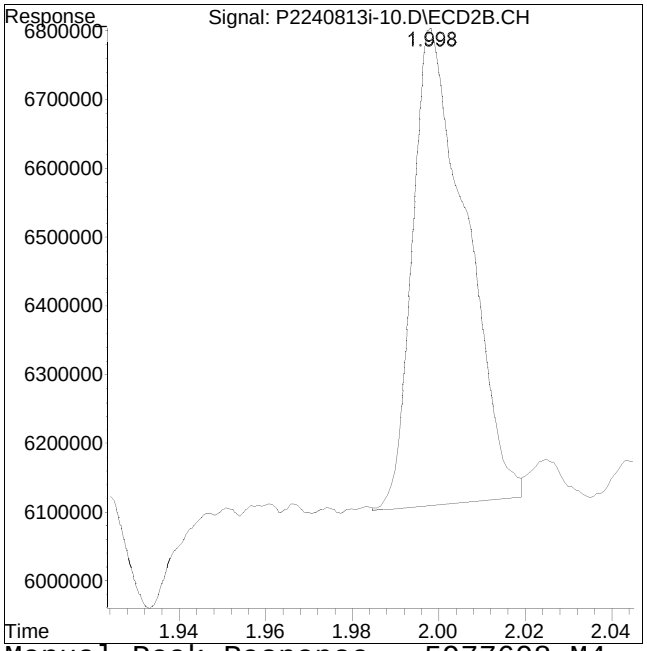
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



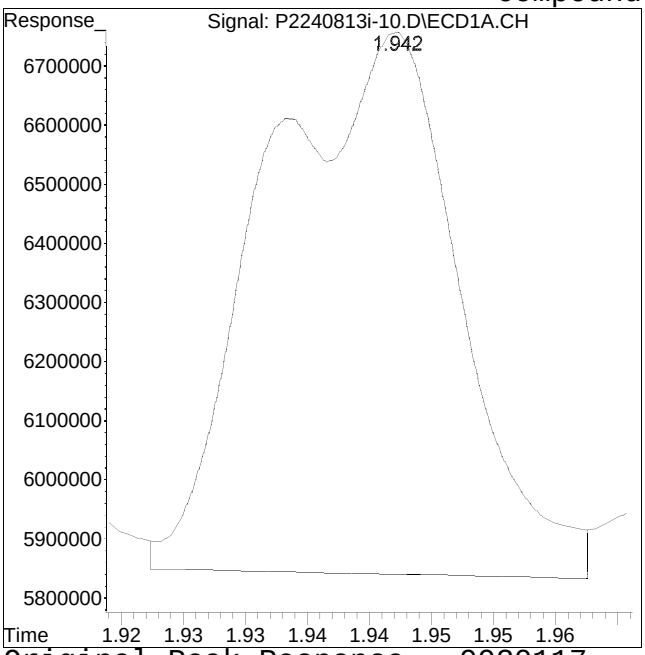


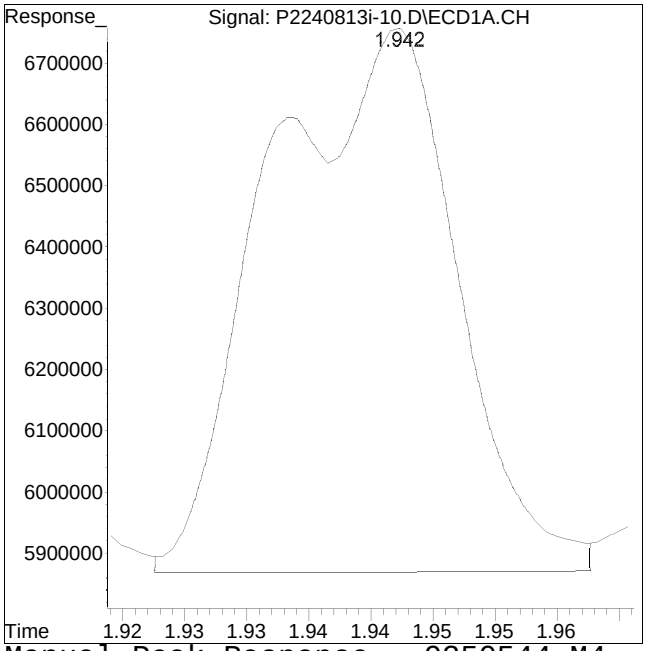
Original Peak Response = 22846251 Manual Peak Response = 5977608 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



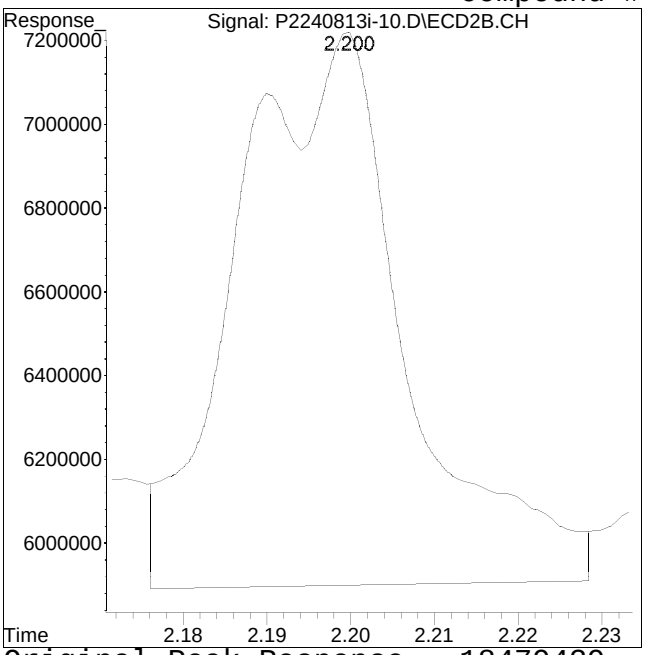


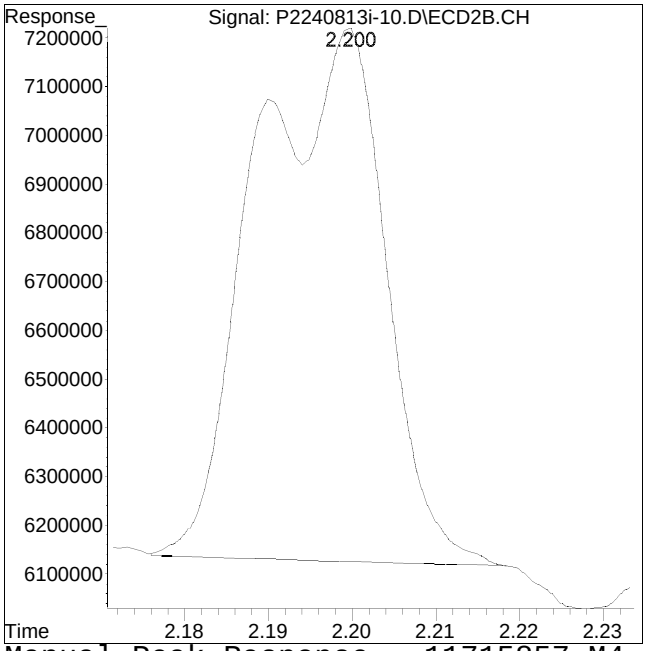
Original Peak Response = 9930117 Manual Peak Response = 9350544 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



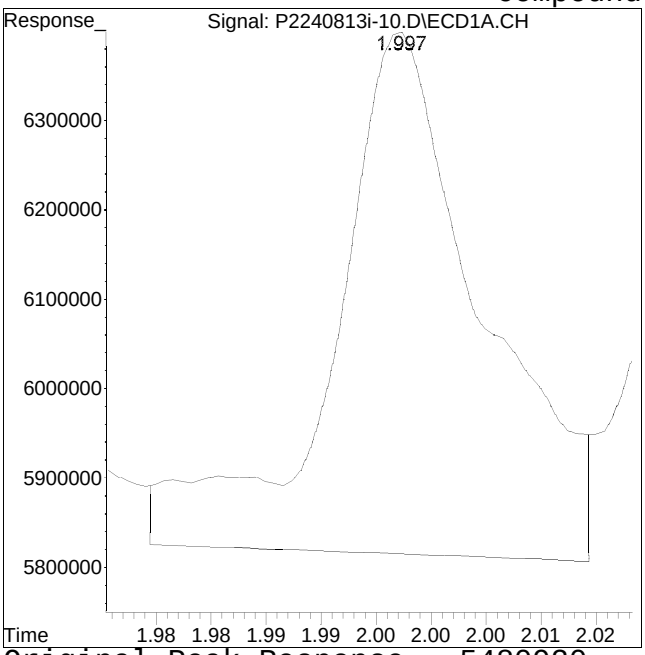


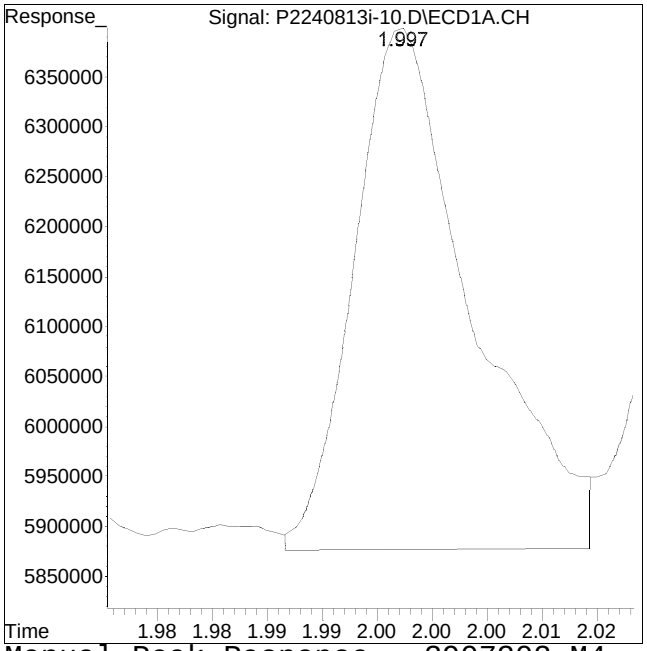
Original Peak Response = 18479439 Manual Peak Response = 11715857 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



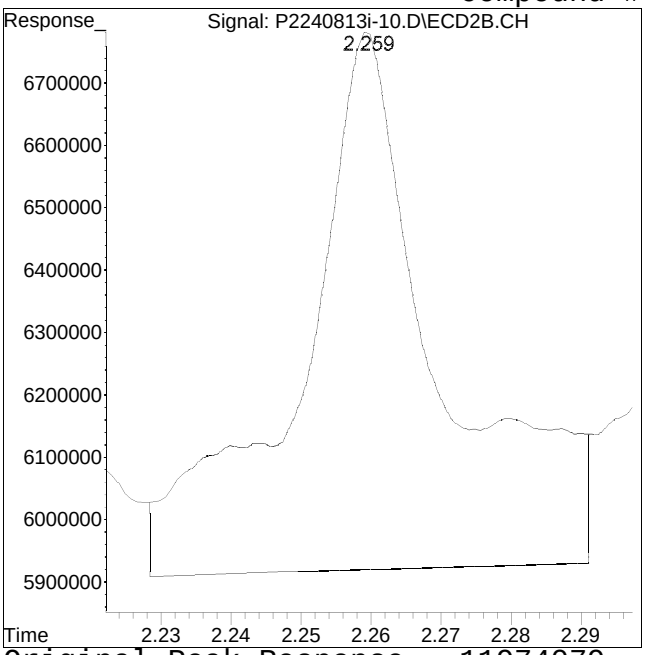


Original Peak Response = 5480920 Manual Peak Response = 3907302 M4
M4 = Poor automated baseline construction.

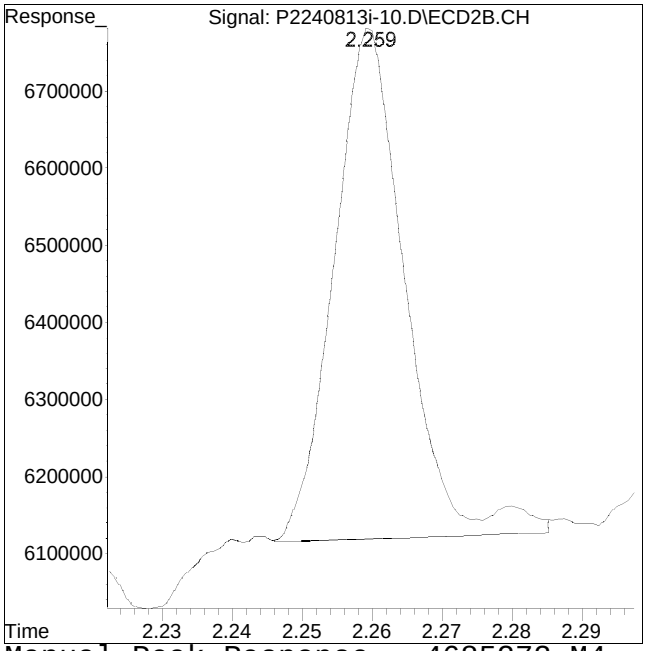
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



Original Peak Response = 11974079



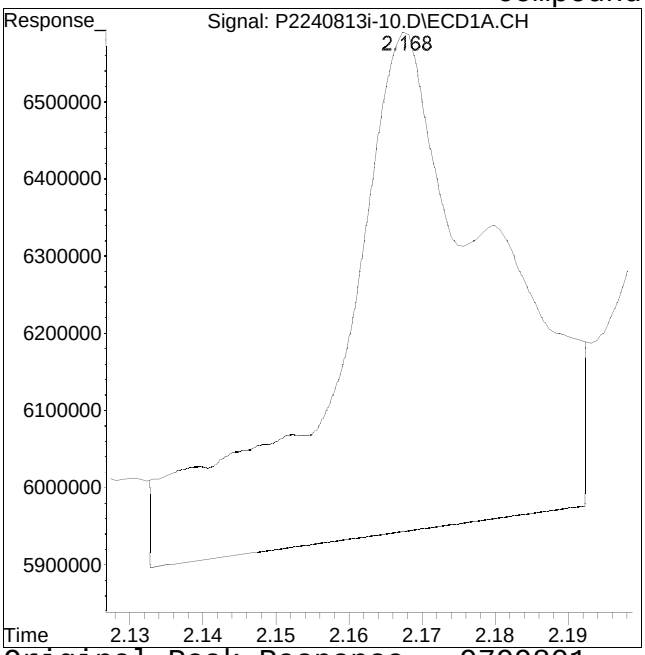
Manual Peak Response = 4685272 M4

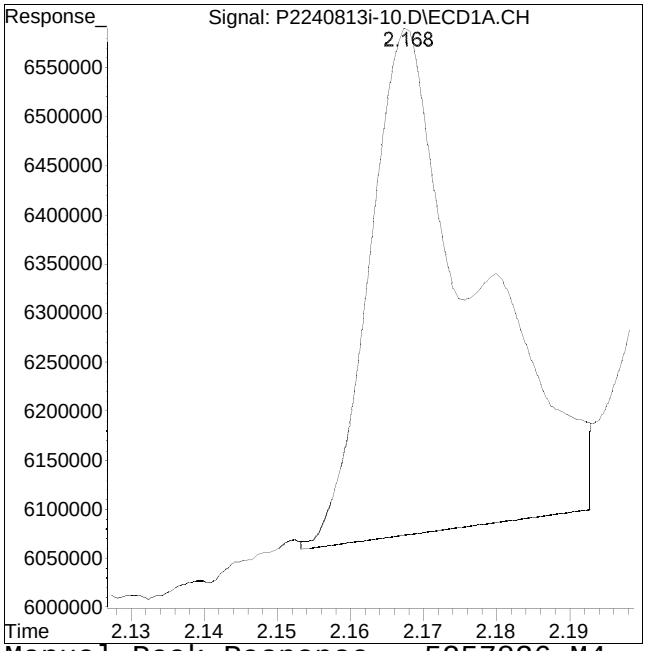
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



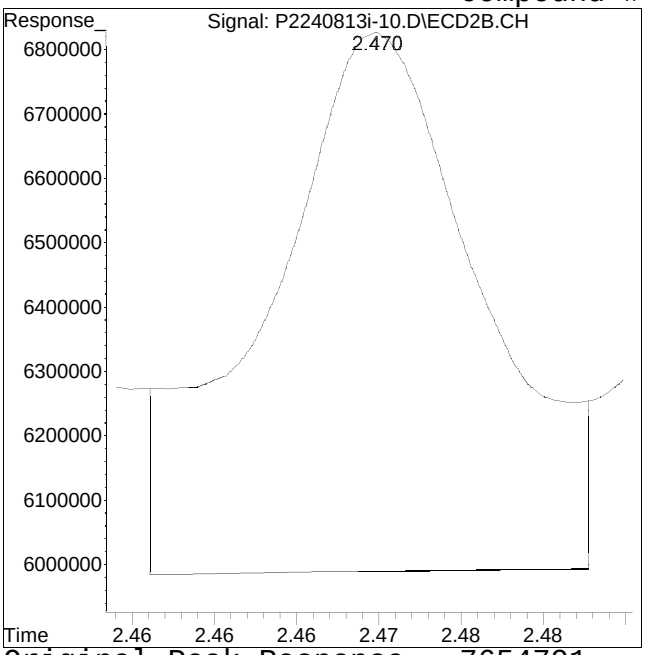


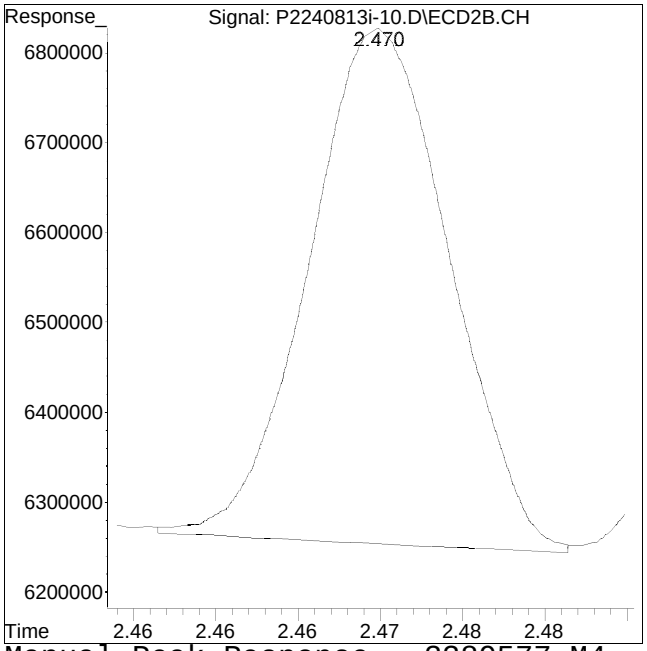
Original Peak Response = 9799801 Manual Peak Response = 5257836 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



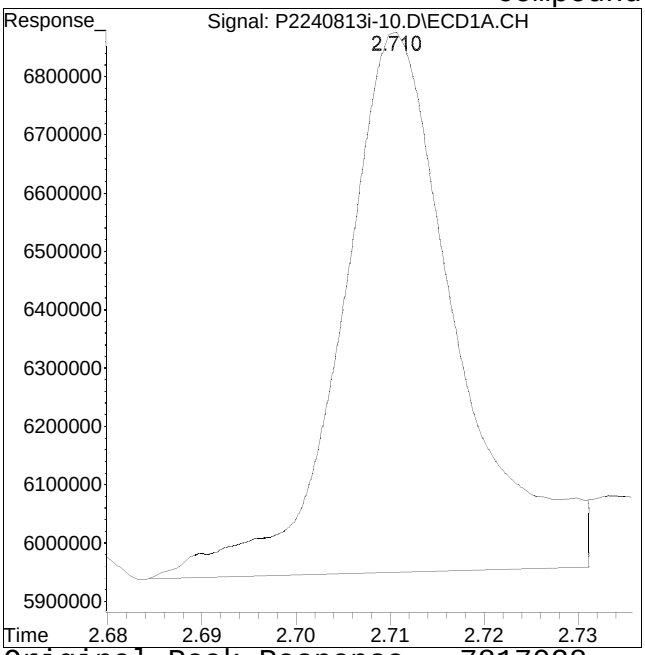


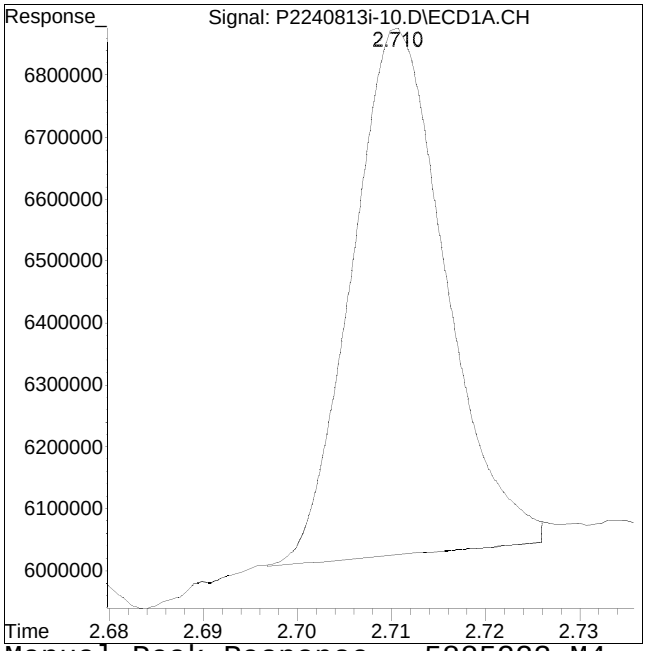
Original Peak Response = 7654791 Manual Peak Response = 3389577 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



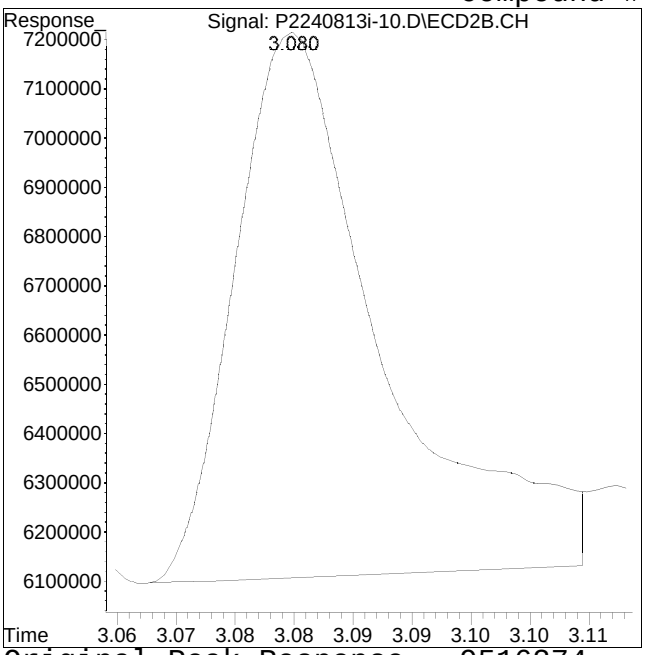


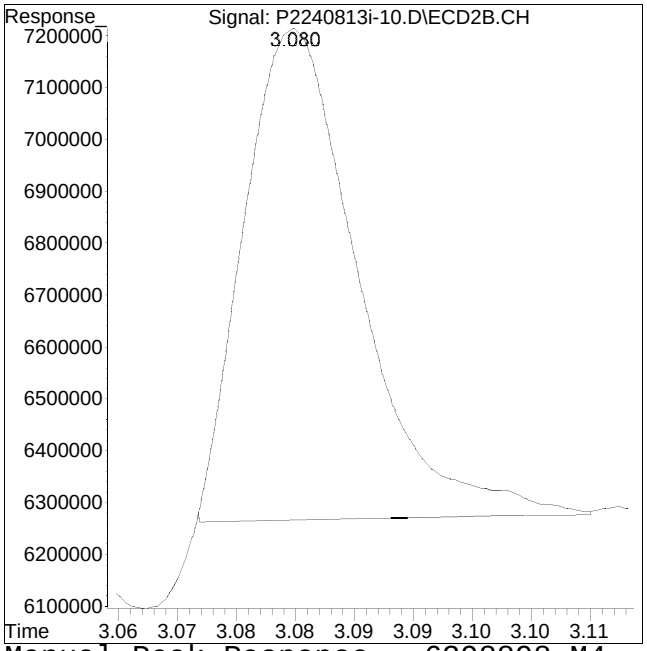
Original Peak Response = 7817028 Manual Peak Response = 5885223 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



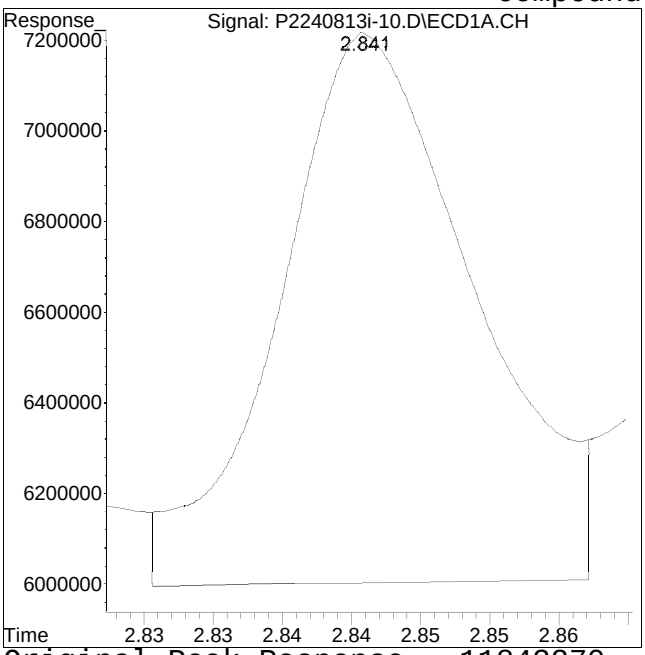


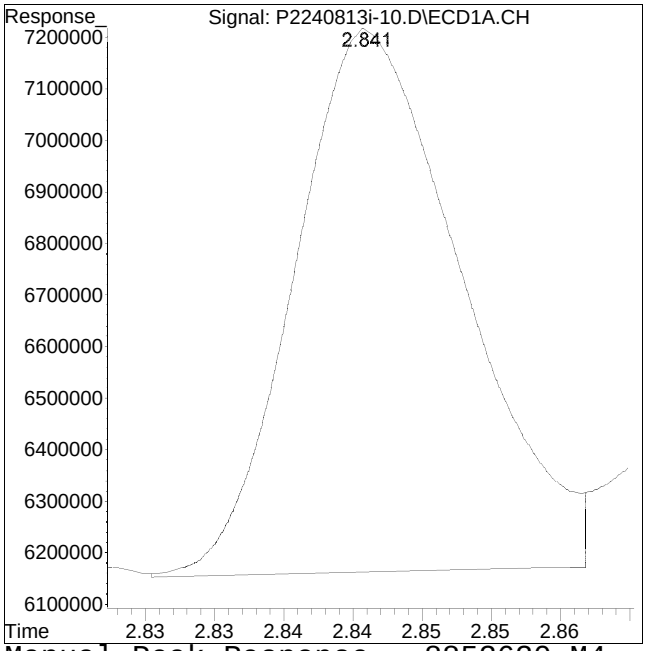
Original Peak Response = 9516274 Manual Peak Response = 6398898 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



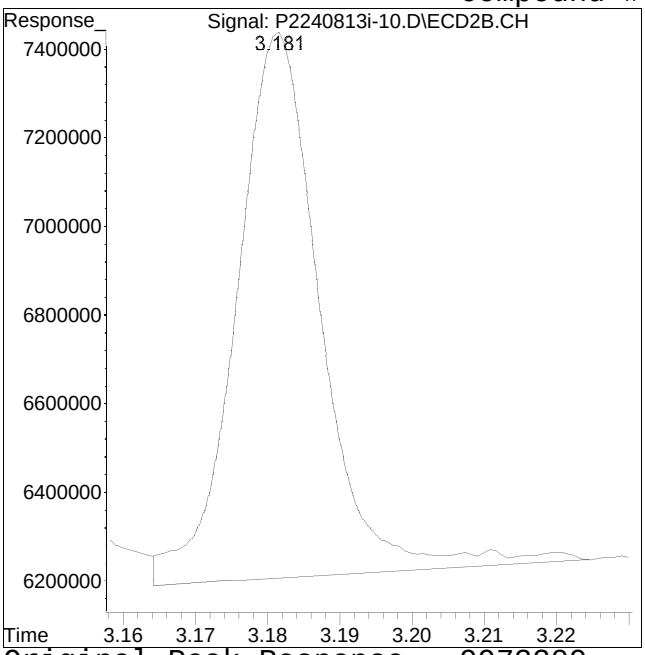


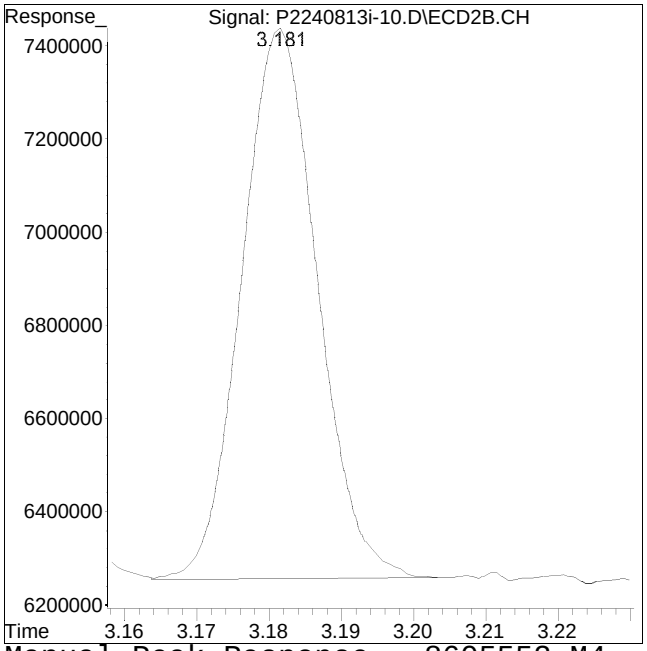
Original Peak Response = 11843270 Manual Peak Response = 8853630 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



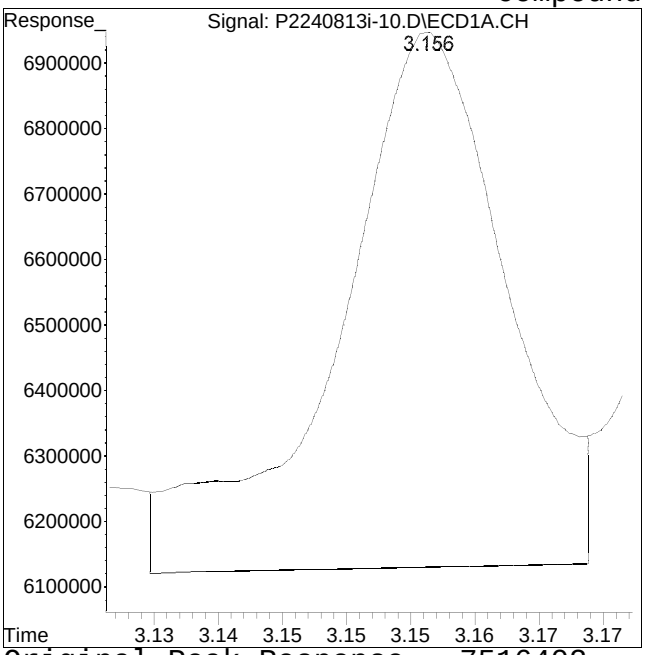


Original Peak Response = 9973209 Manual Peak Response = 8605552 M4
M4 = Poor automated baseline construction.

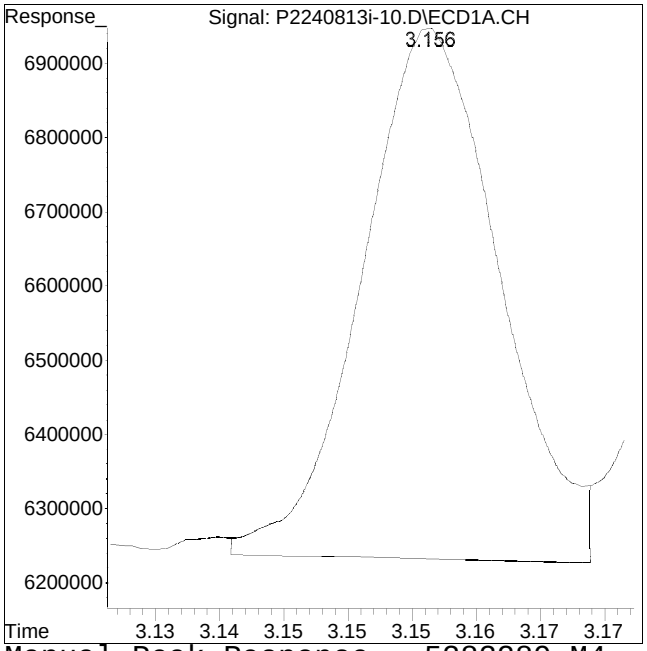
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



Original Peak Response = 7516402



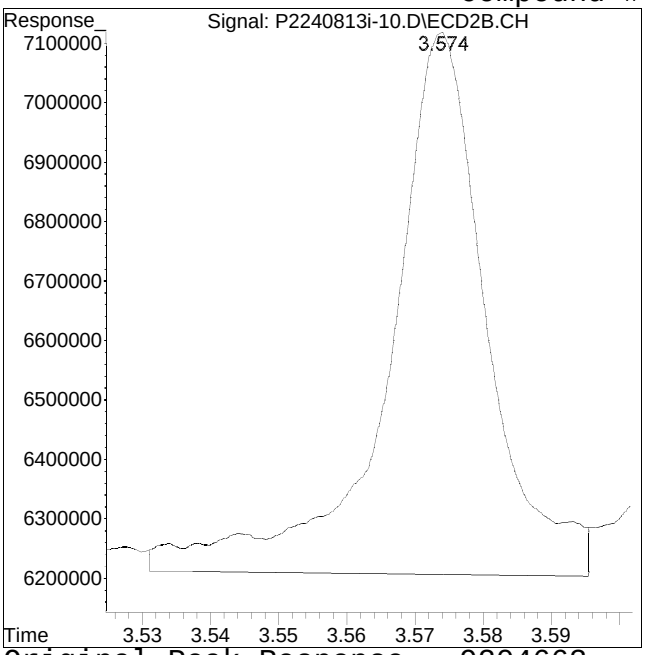
Manual Peak Response = 5283289 M4

M4 = Poor automated baseline construction.

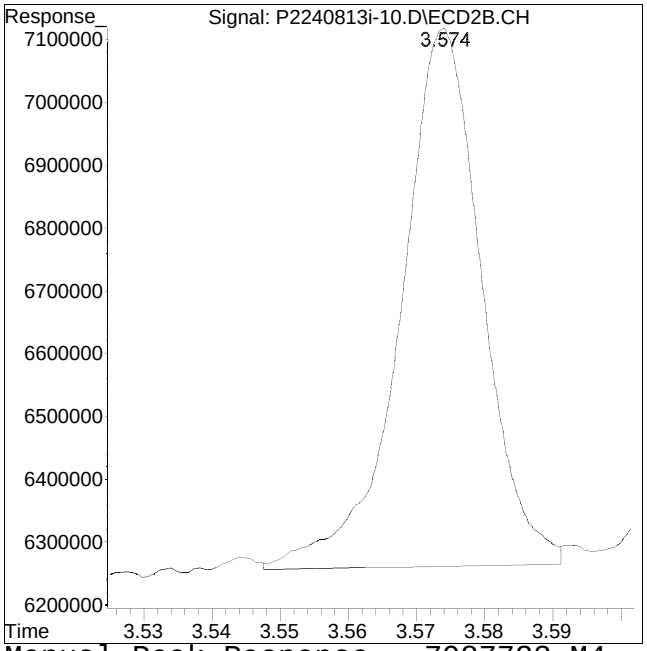
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



Original Peak Response = 9204663



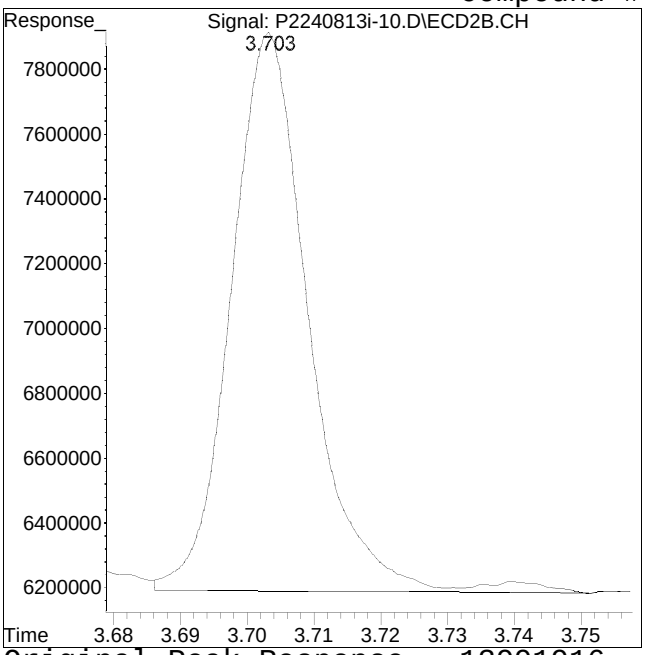
Manual Peak Response = 7087733 M4

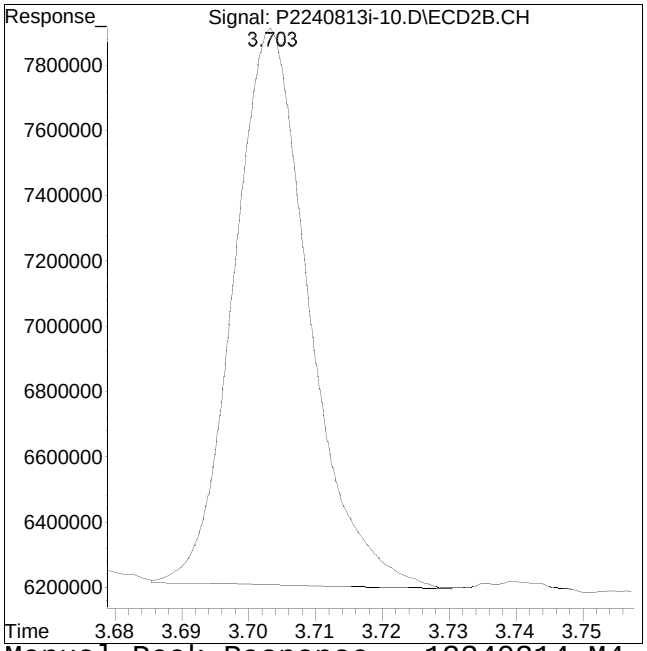
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



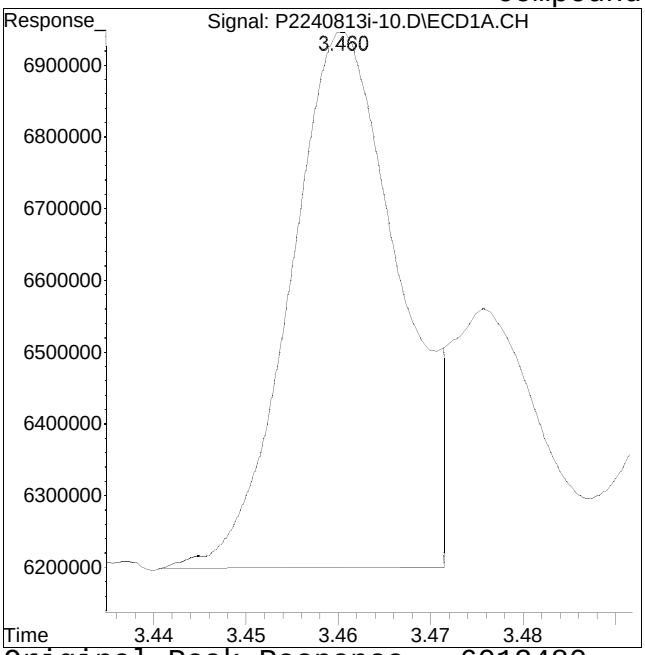


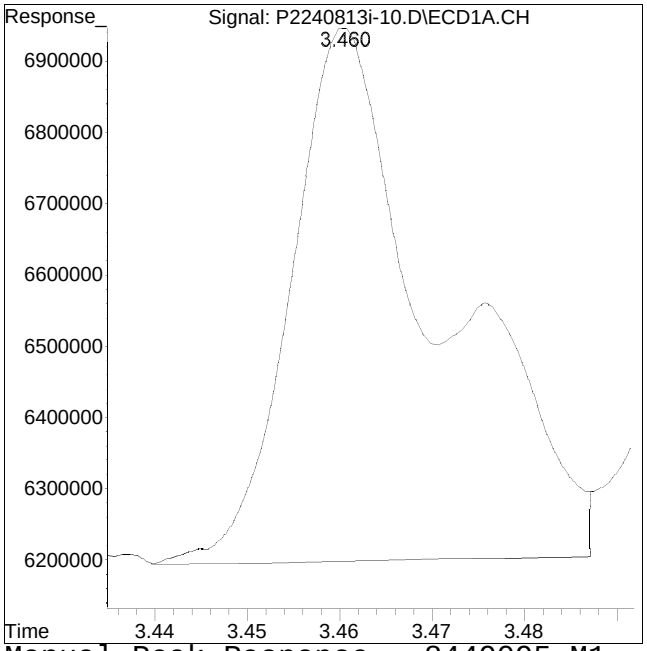
Original Peak Response = 13991916 Manual Peak Response = 13340314 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



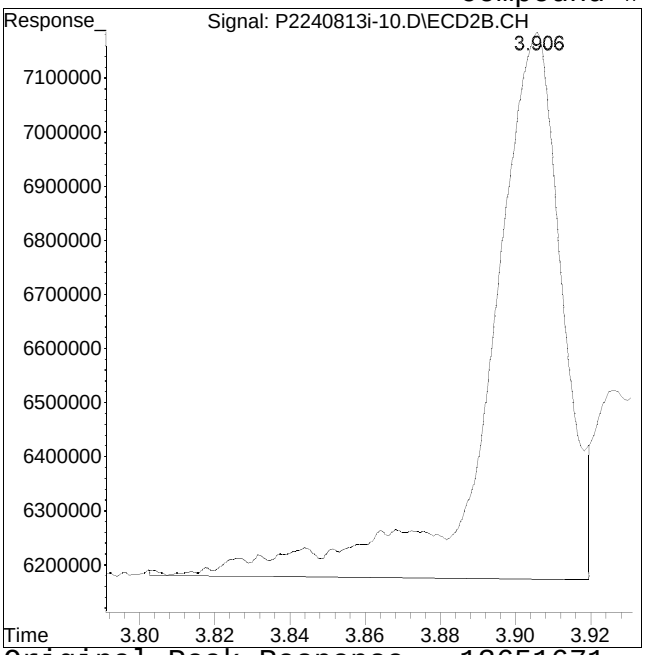


Original Peak Response = 6012480 Manual Peak Response = 8449095 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

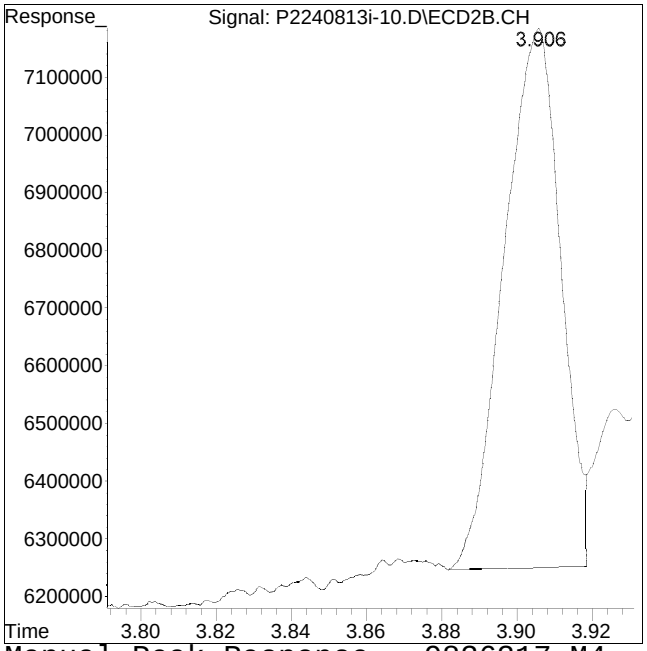
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-10.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:01 Instrument : Pest 2
Sample : il21660,42e,,pp 11664 L10LQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 13651671



Manual Peak Response = 9836317 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	197.3E6	228.9E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	40918658	46176678	2.780	2.517M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		13.90%#	12.58%#
3) s	Decachlorobi	4.043	4.554	57952371	61761862	6.097M4	6.352
	Spiked Amount 20.000	Range 30 - 150		Recovery =		30.48%	31.76%
	Target Compounds						
4) l1	1016-1	1.613	1.828	11617933	12969900	28.406M4	14.080M4
5) l1	1016-2	1.754	1.998	23675684	29428313	50.255M3	9.782M4
6) l1	1016-3	1.942	2.199	47251364	55723000	43.603M4	25.606M4
7) l1	1016-4	1.997	2.259	20003545	23000070	35.469M3	15.912M4
8) l1	1016-5	2.166	2.470	22998824	17134483	14.334M4	18.103M4
	Sum 1016-1			125.5E6	138.3E6	172.068	83.483 D
	Average 1016-1					34.414	16.697 D
9) l2	1260-1	2.710	3.080	29494699	32394455	34.466M4	30.536M4
10) l2	1260-2	2.840	3.182	44992913	41031690	34.825M4	24.449M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	26384886	33210095	37.579M4	25.534M4
12) l2	1260-4	3.312	3.703	58728894	66380573	52.344M4	45.819M4
13) l2	1260-5	3.460	3.905	42467933	48728877	60.469M4	22.466M4
Sum	1260-1			202.1E6	221.7E6	NoCal	NoCal D
Average	1260-1					43.937	29.761
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

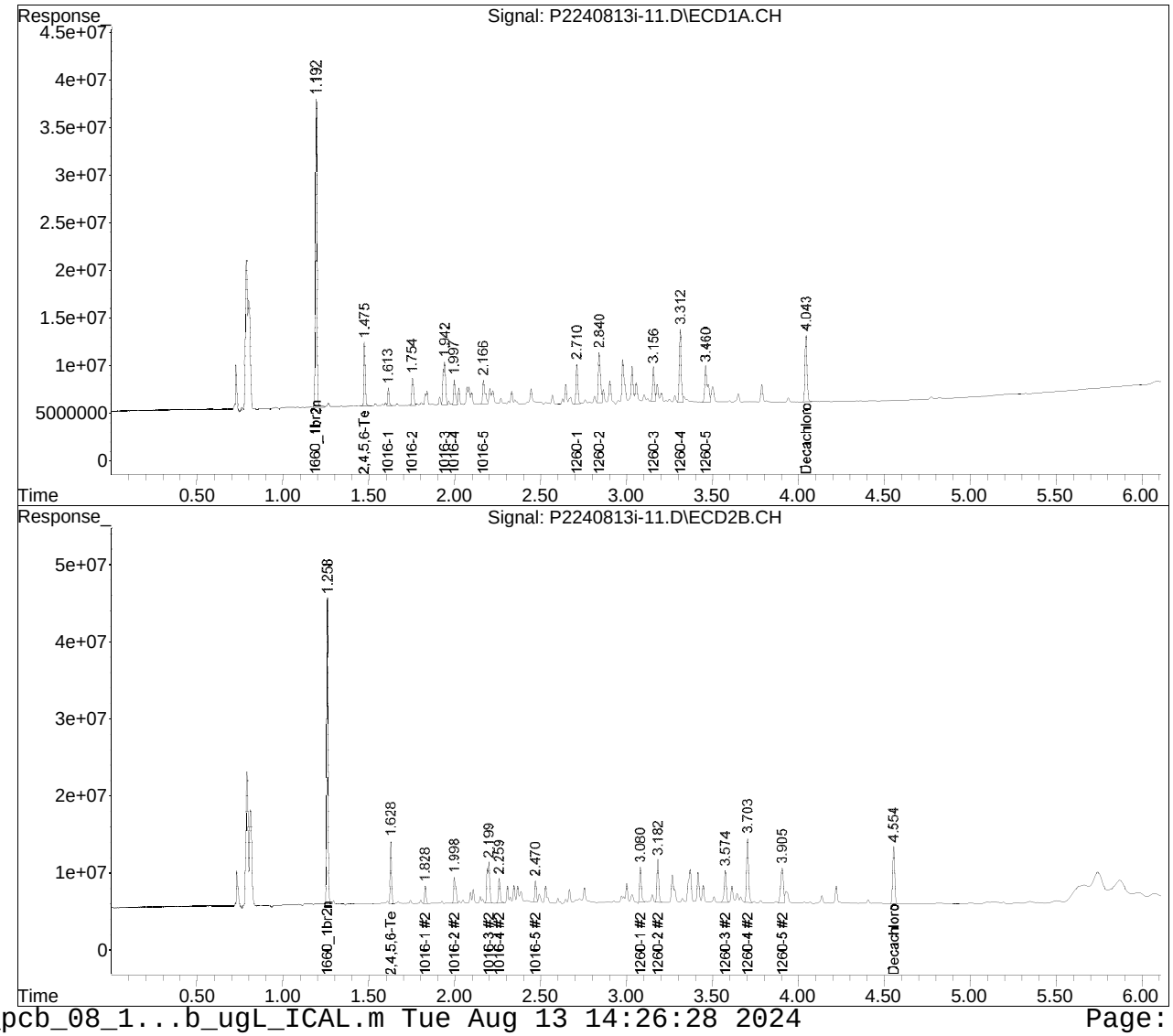
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-11.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:11
Operator : pest2:rmp
Sample : il31660,42e,,pp 11664 L50LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:42 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:40 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

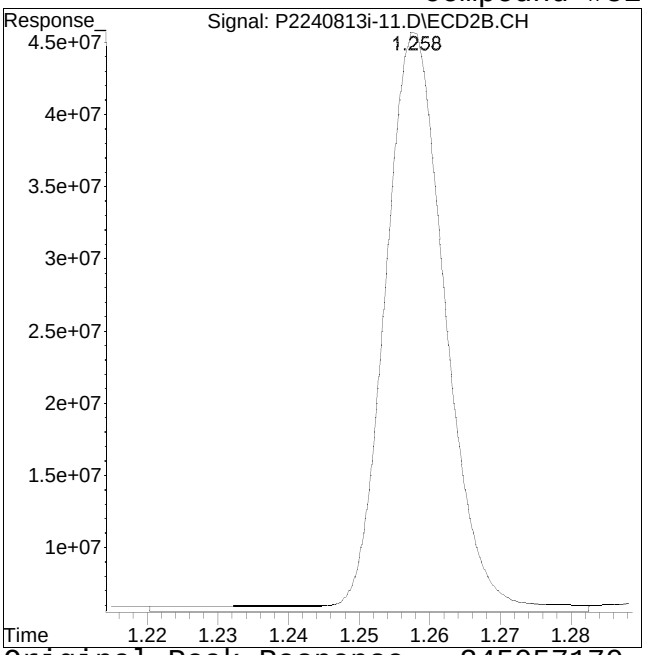
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



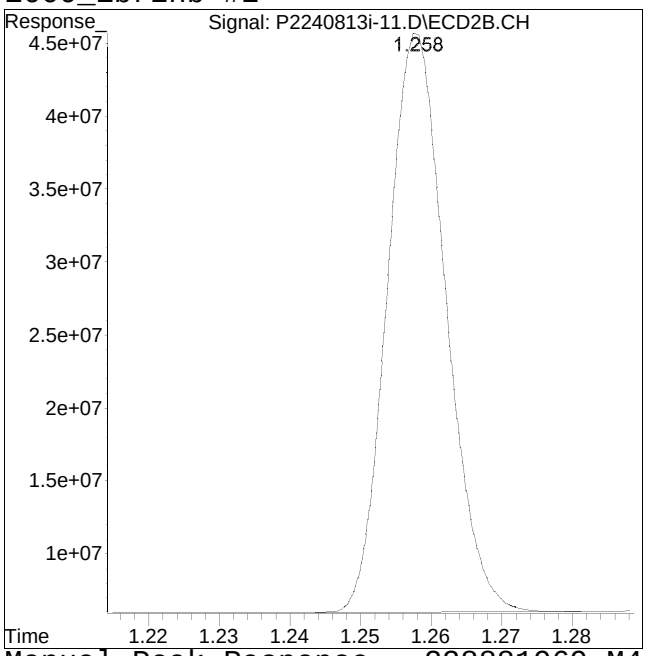
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 245057170



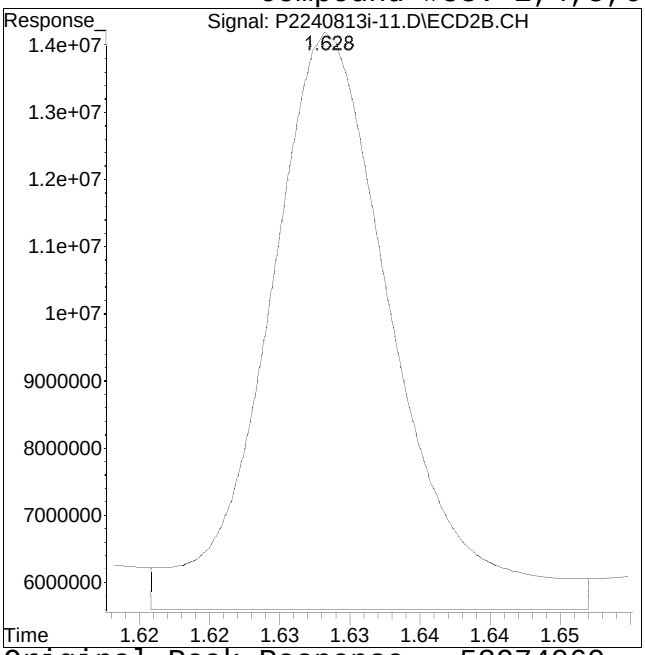
Manual Peak Response = 228881969 M4

M4 = Poor automated baseline construction.

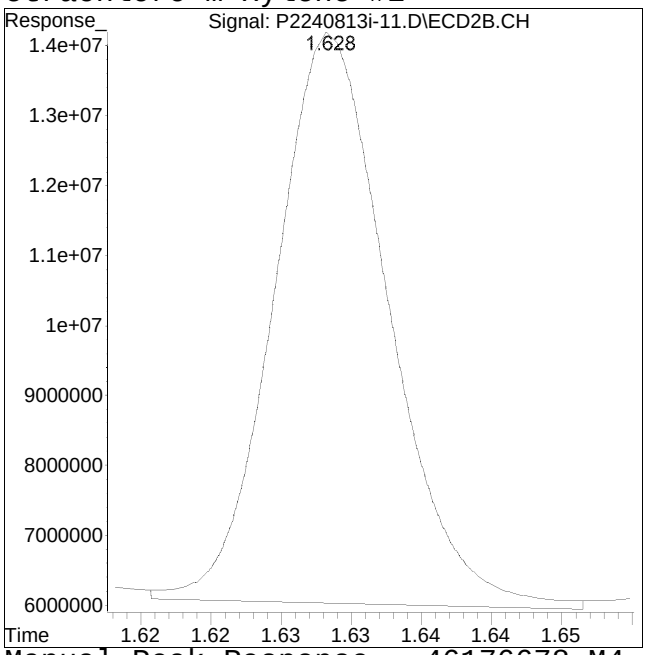
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



Original Peak Response = 53974060



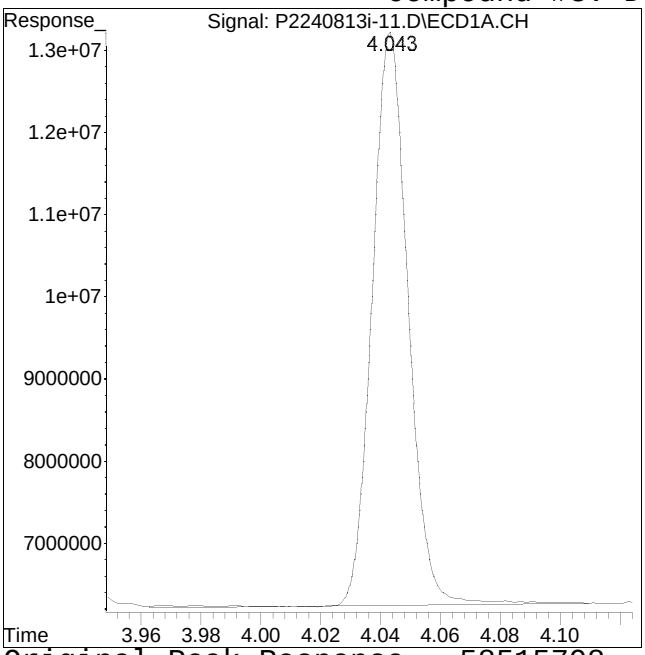
Manual Peak Response = 46176678 M4

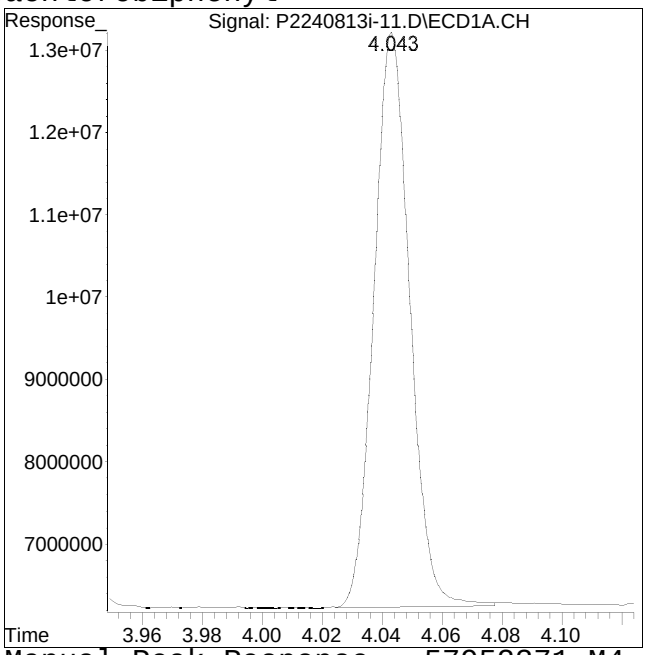
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #3: Decachlorobiphenyl



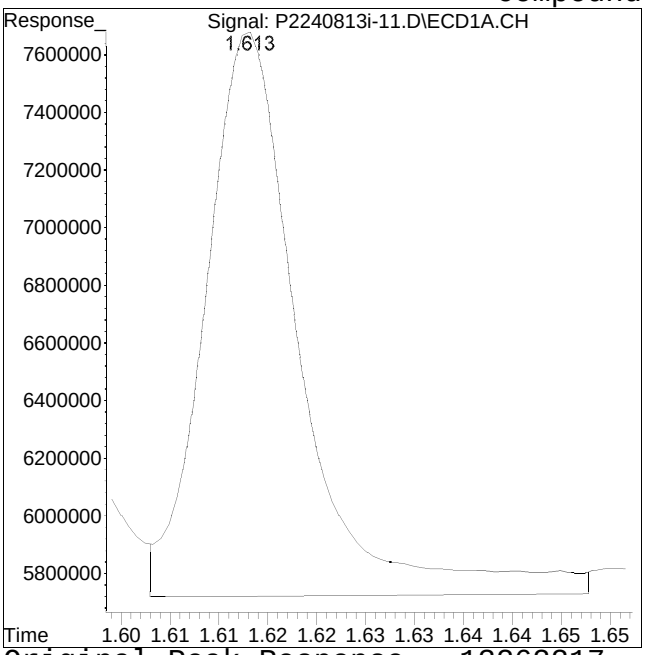


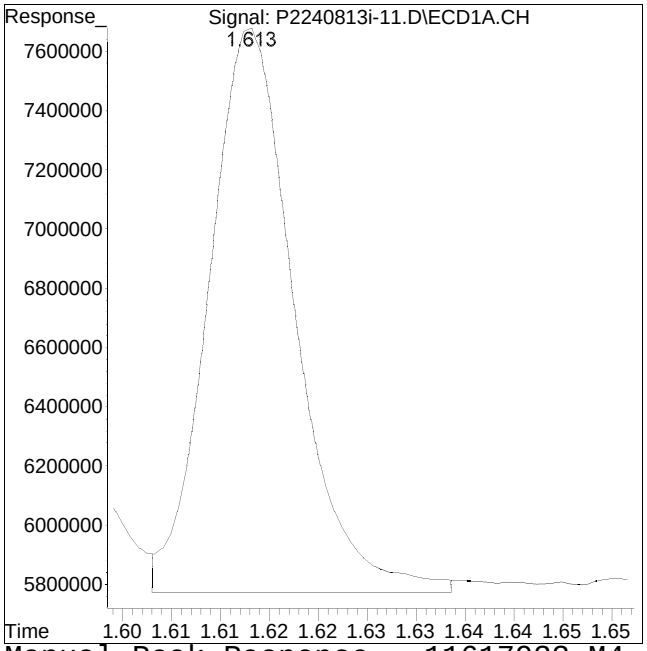
Original Peak Response = 58515798 Manual Peak Response = 57952371 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



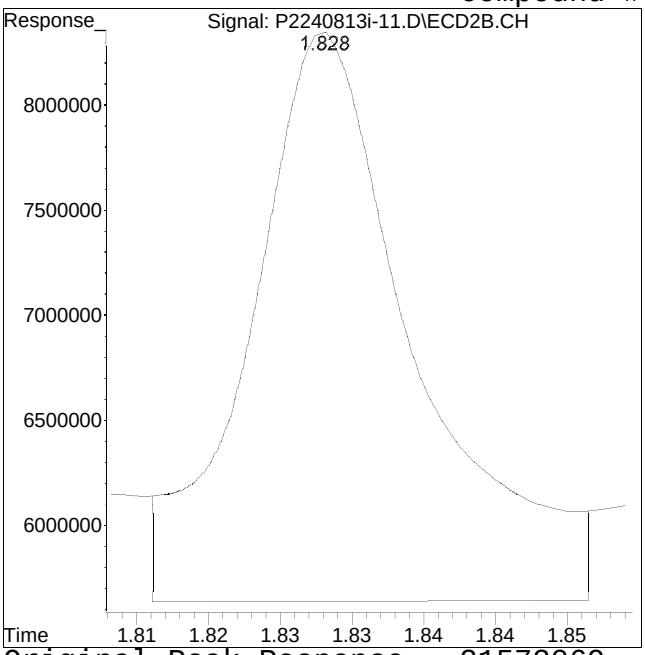


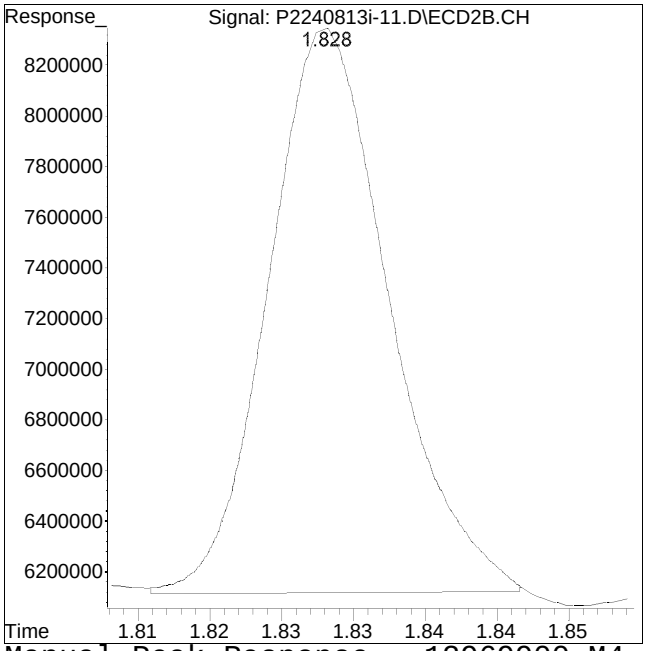
Original Peak Response = 13262217 Manual Peak Response = 11617933 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



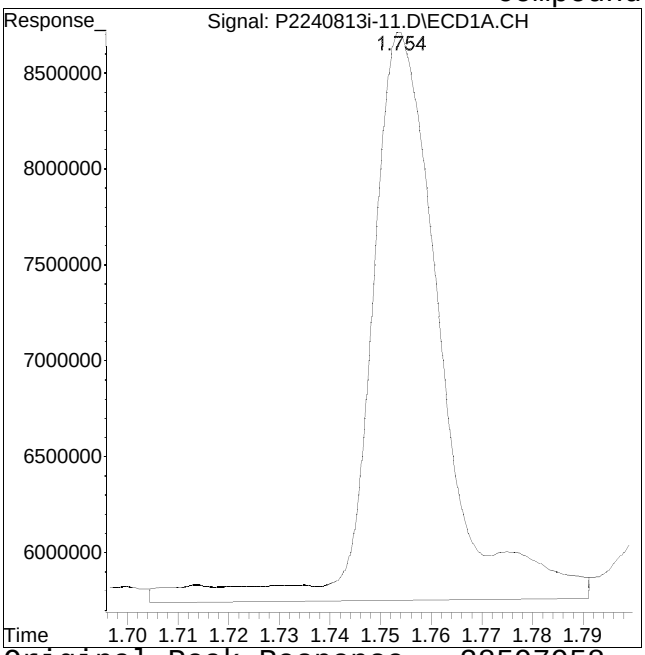


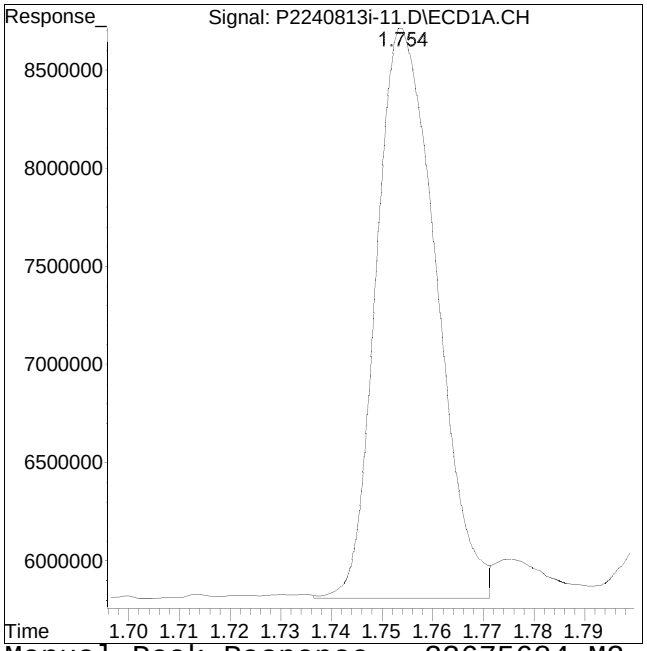
Original Peak Response = 21572069 Manual Peak Response = 12969900 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



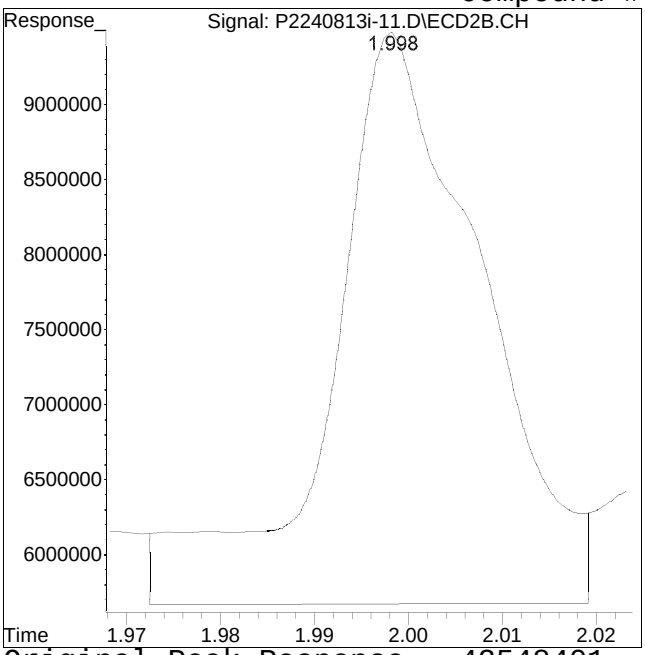


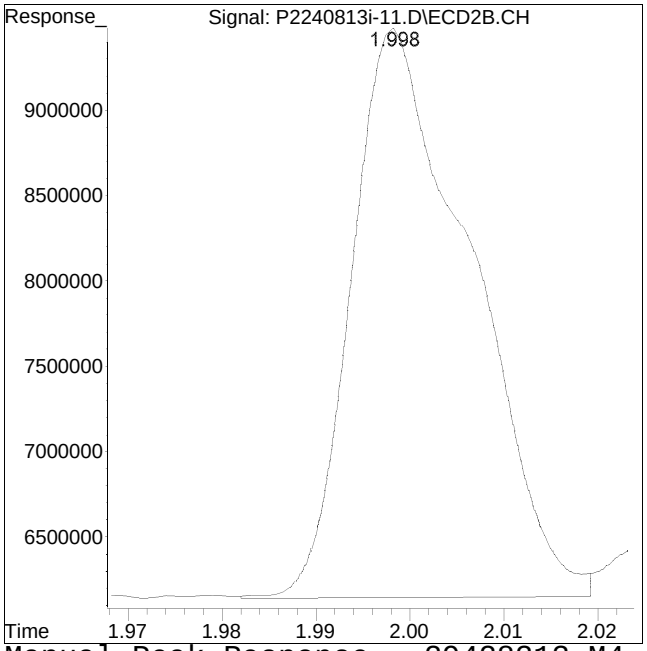
Original Peak Response = 28597958 Manual Peak Response = 23675684 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



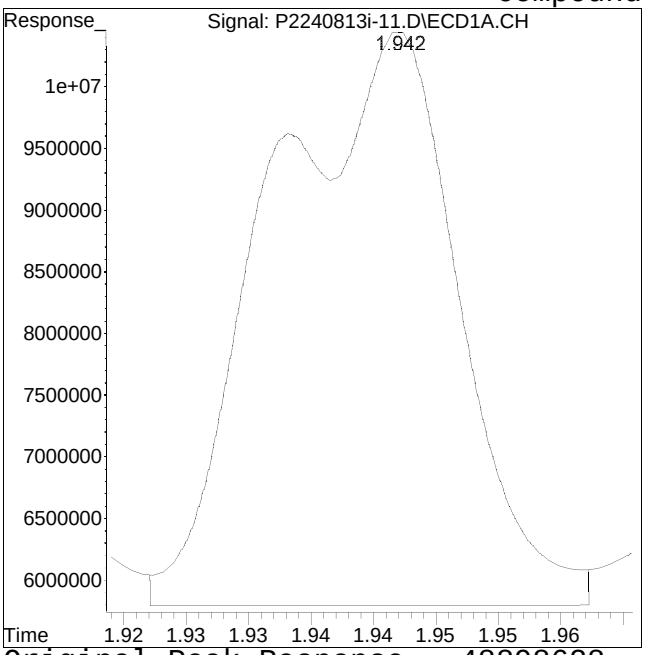


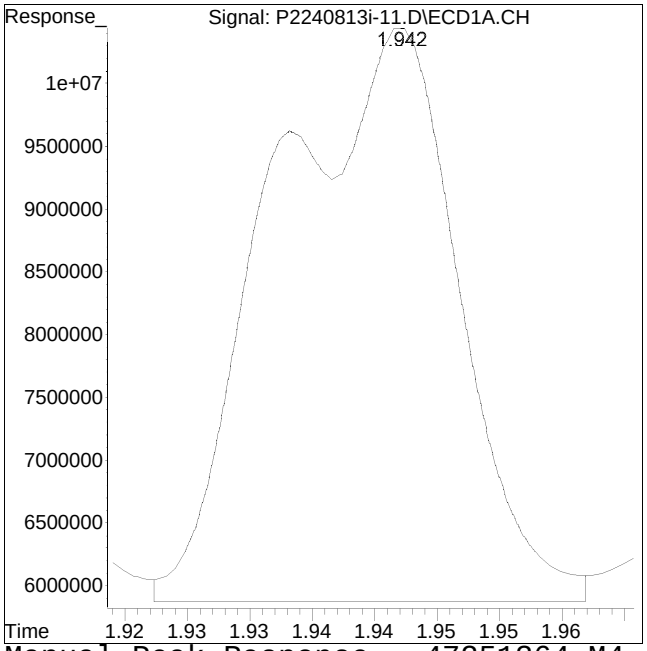
Original Peak Response = 42548401 Manual Peak Response = 29428313 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



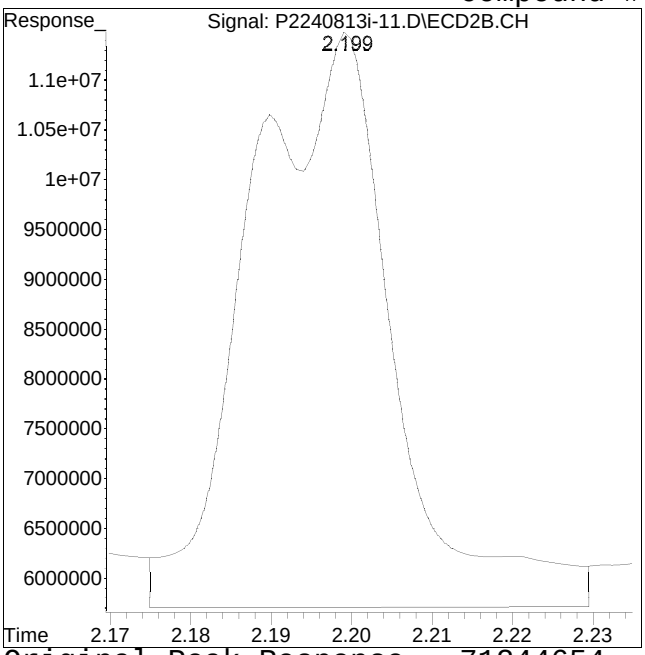


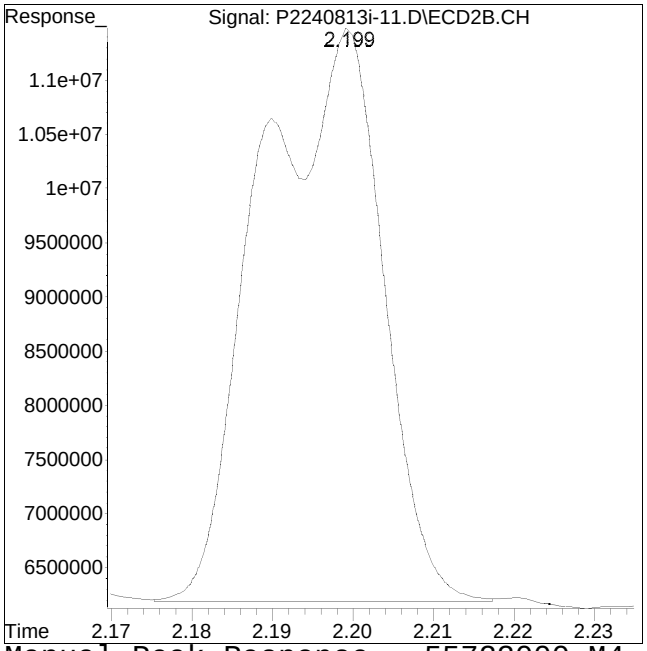
Original Peak Response = 48898628 Manual Peak Response = 47251364 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



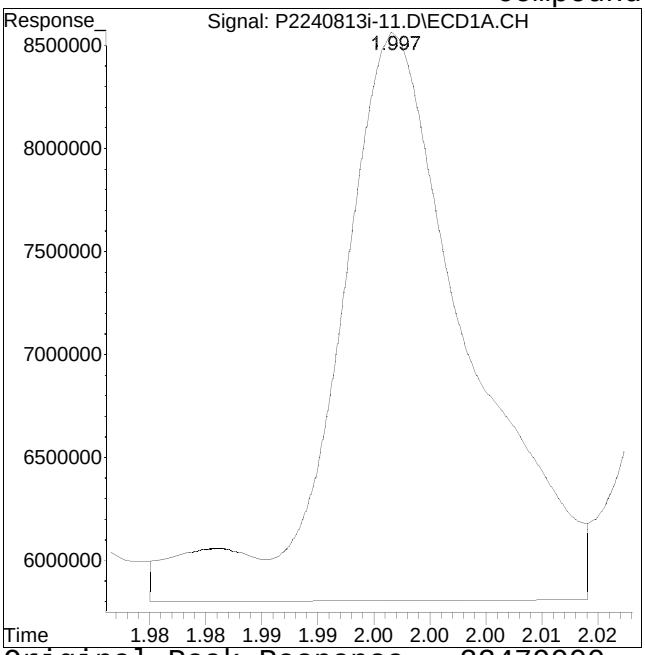


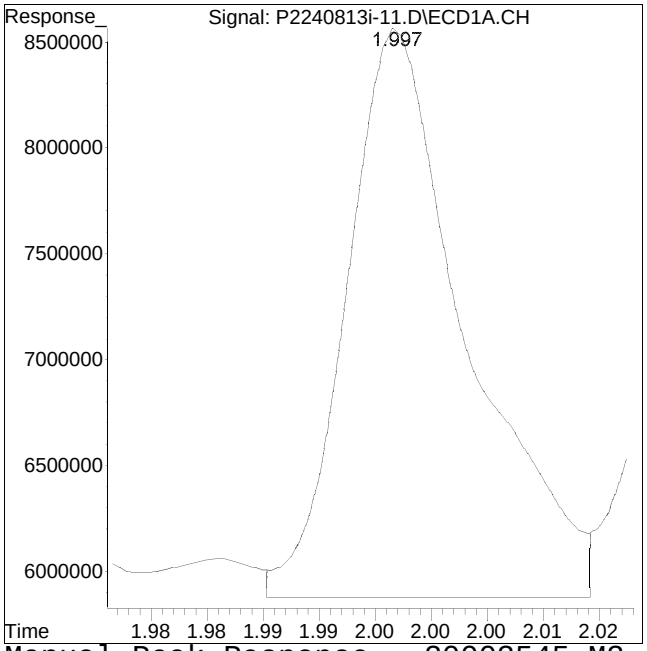
Original Peak Response = 71244654 Manual Peak Response = 55723000 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



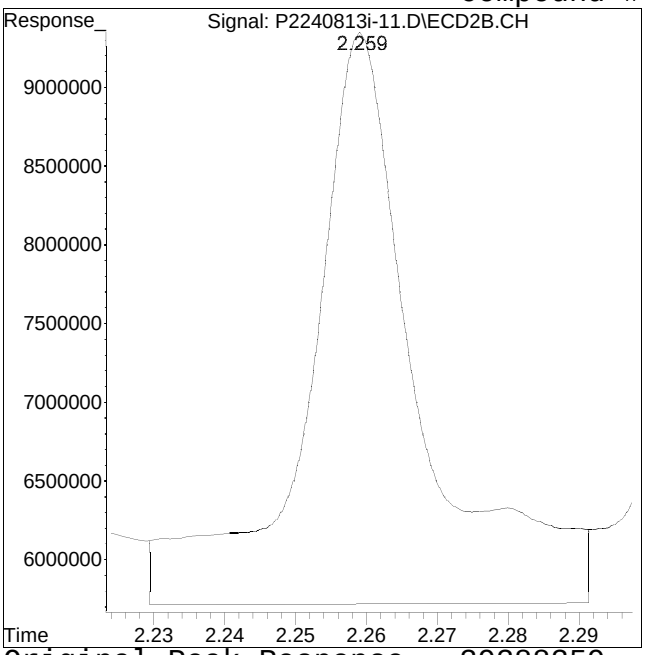


Original Peak Response = 22479990 Manual Peak Response = 20003545 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

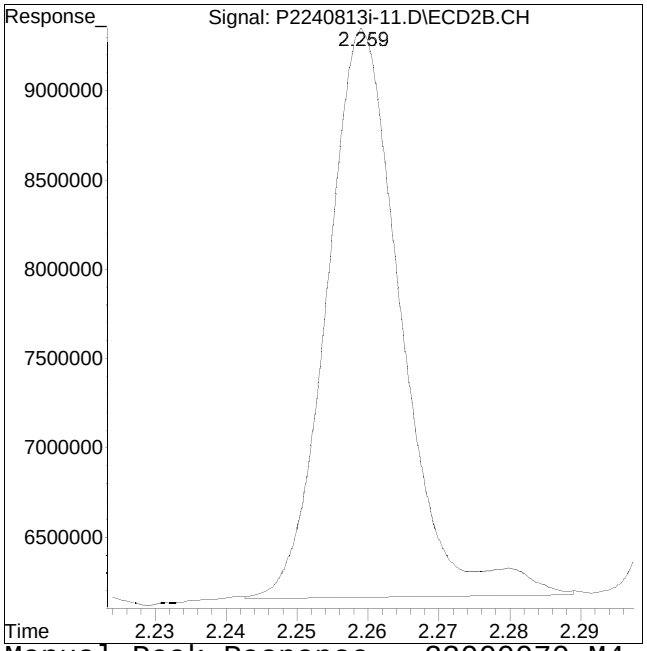
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



Original Peak Response = 39388359



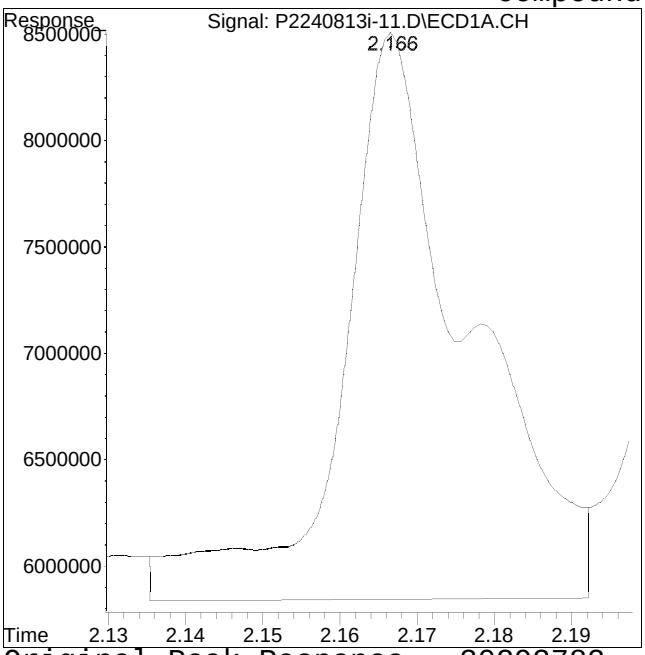
Manual Peak Response = 23000070 M4

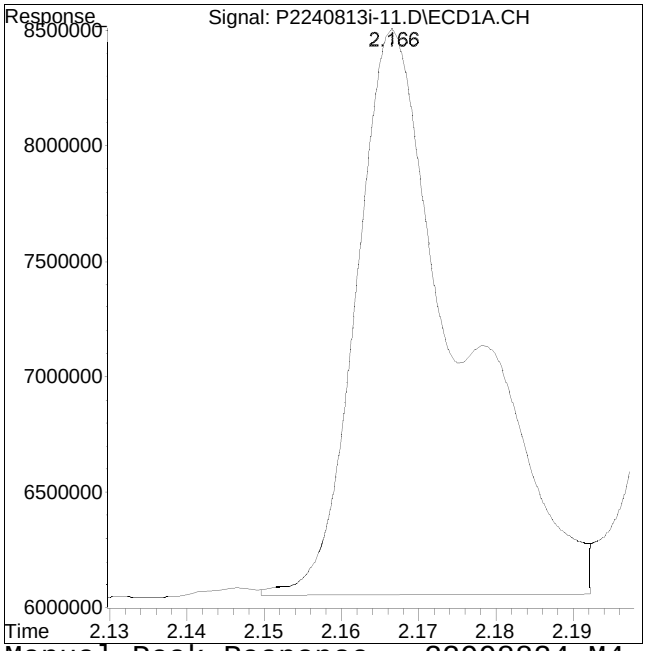
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



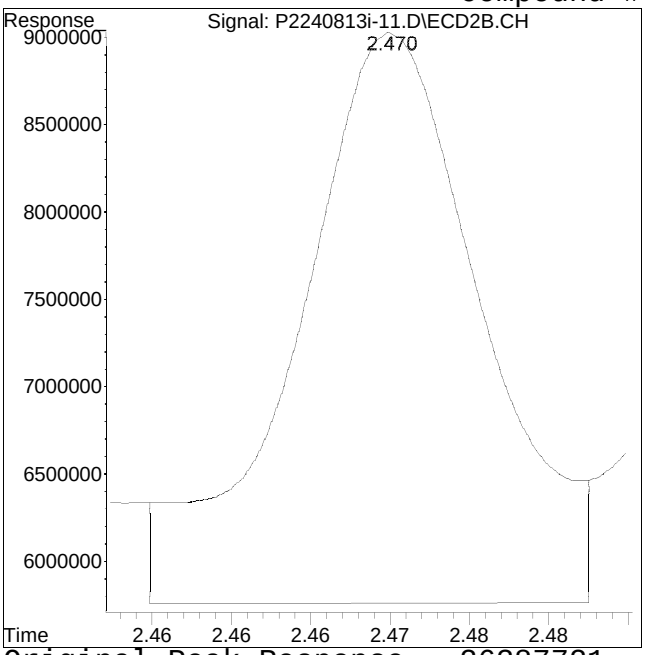


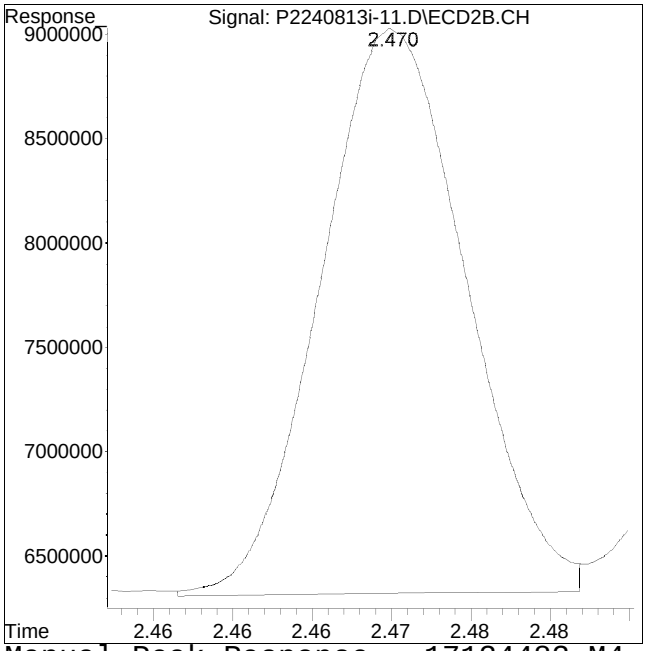
Original Peak Response = 30293782 Manual Peak Response = 22998824 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



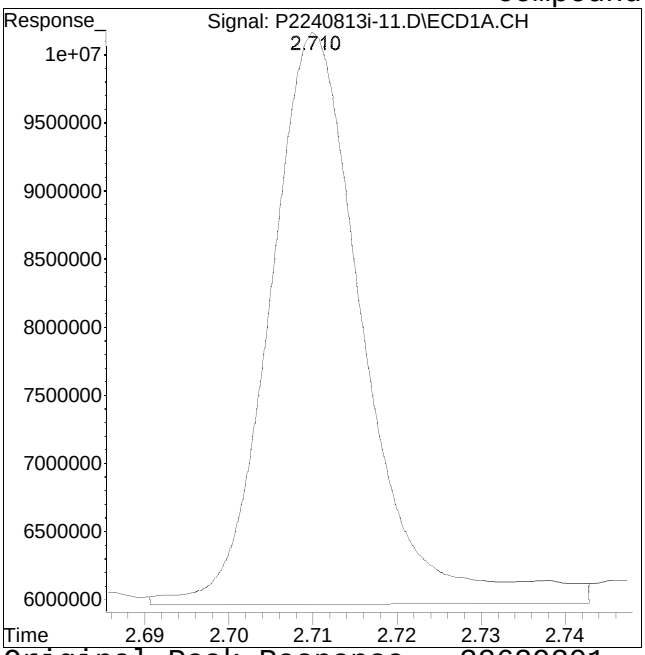


Original Peak Response = 26387721 Manual Peak Response = 17134483 M4
M4 = Poor automated baseline construction.

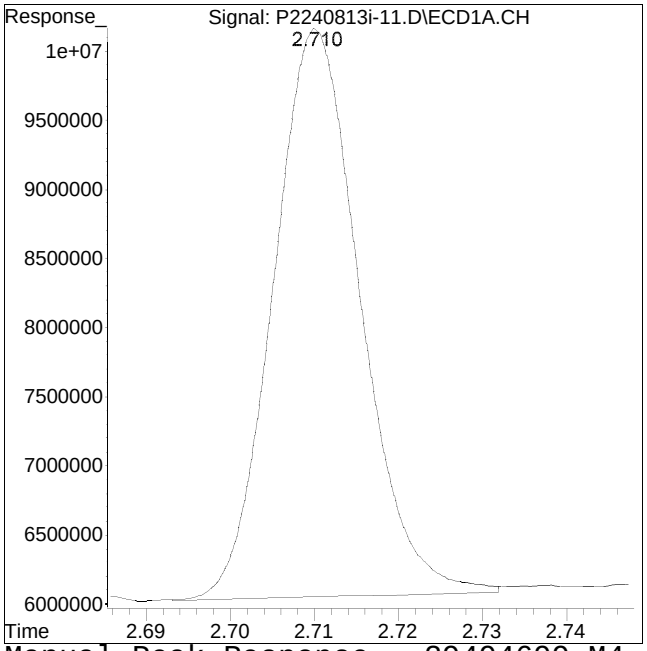
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



Original Peak Response = 32629291



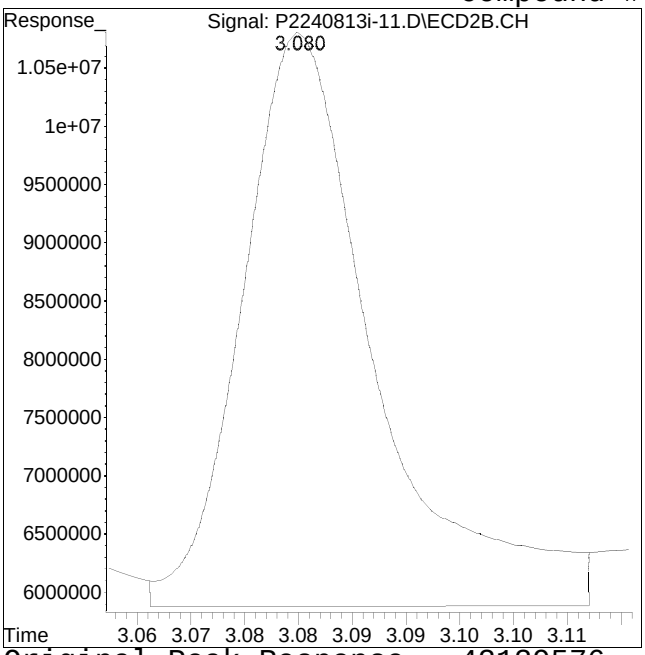
Manual Peak Response = 29494699 M4

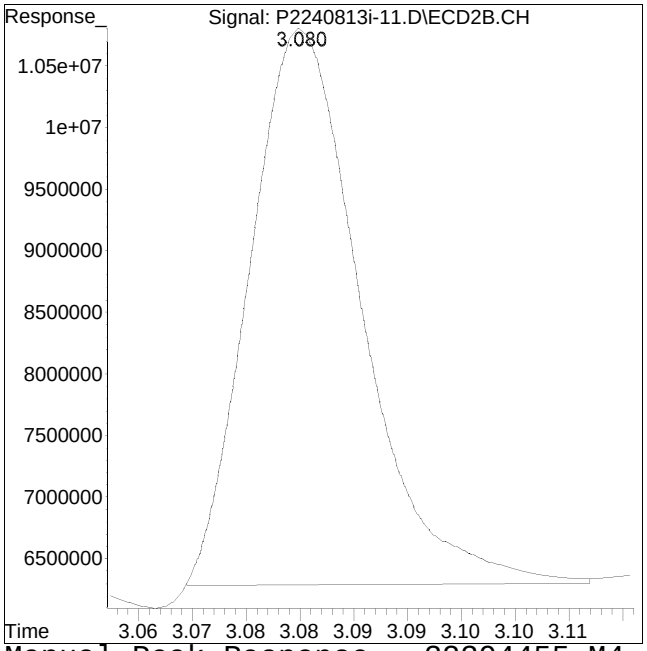
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



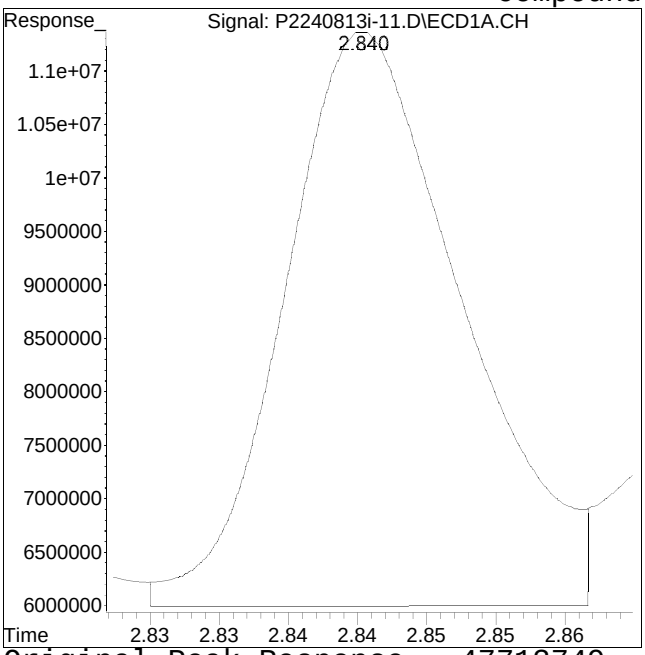


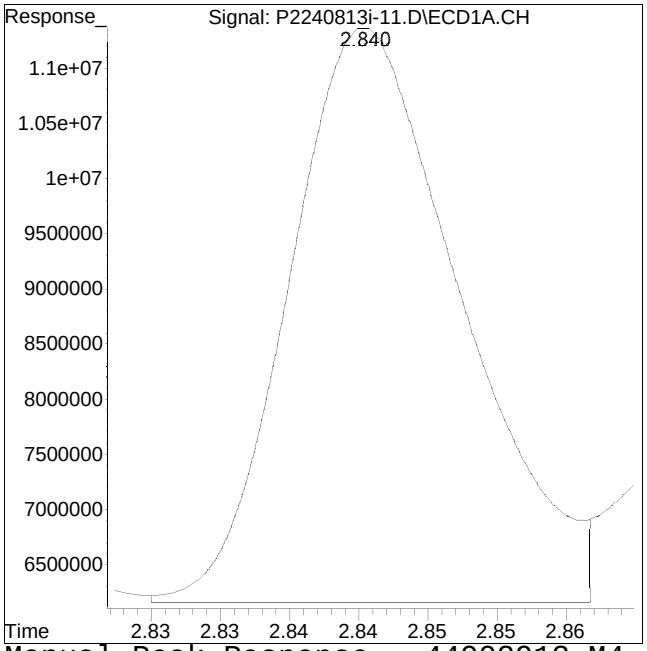
Original Peak Response = 42139576 Manual Peak Response = 32394455 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



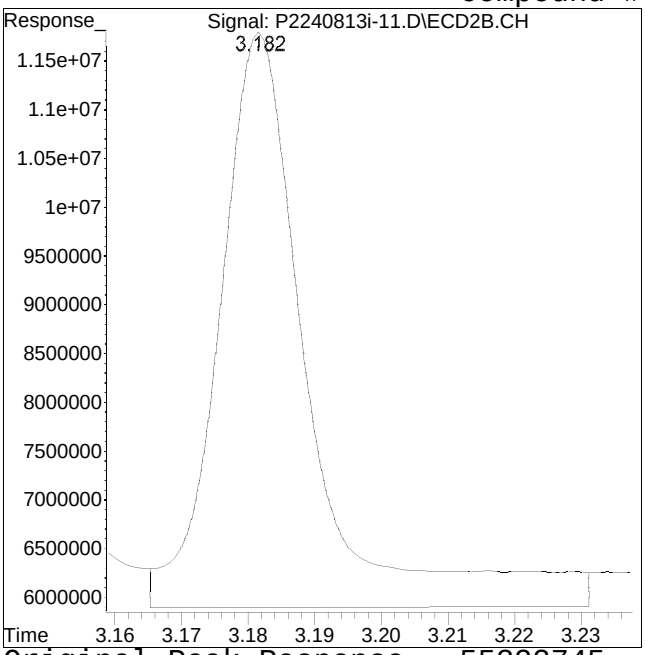


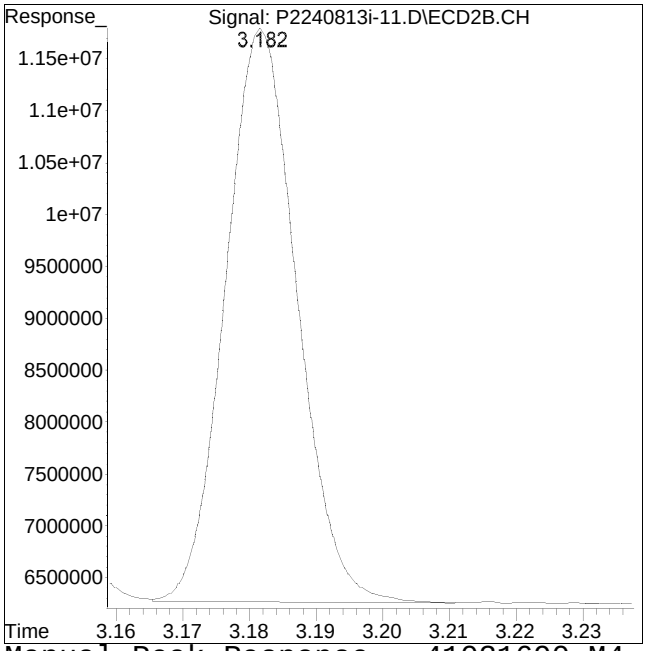
Original Peak Response = 47713749 Manual Peak Response = 44992913 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



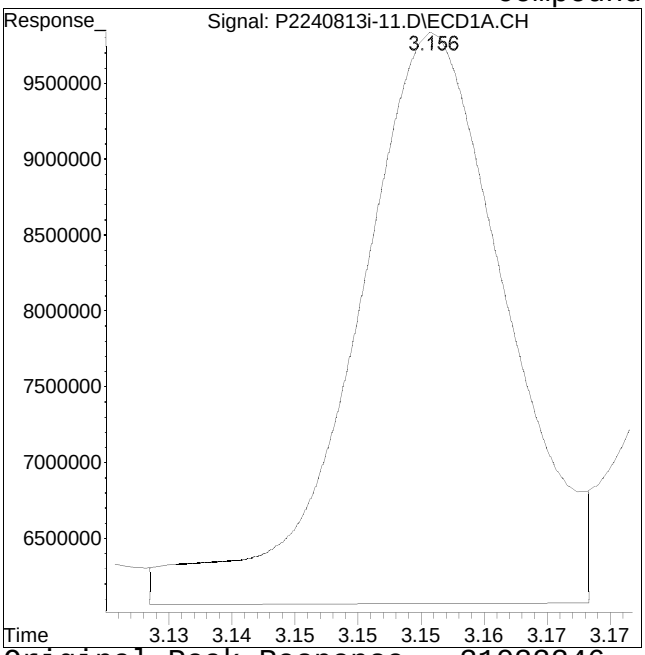


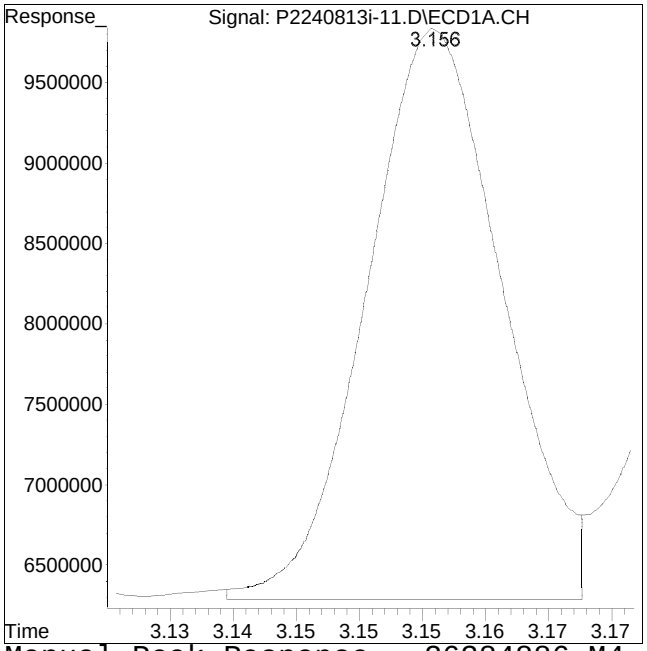
Original Peak Response = 55322745 Manual Peak Response = 41031690 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



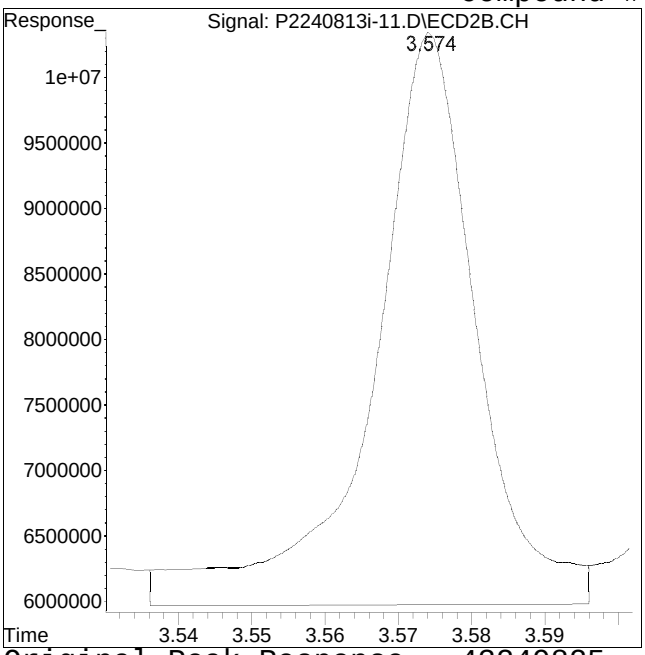


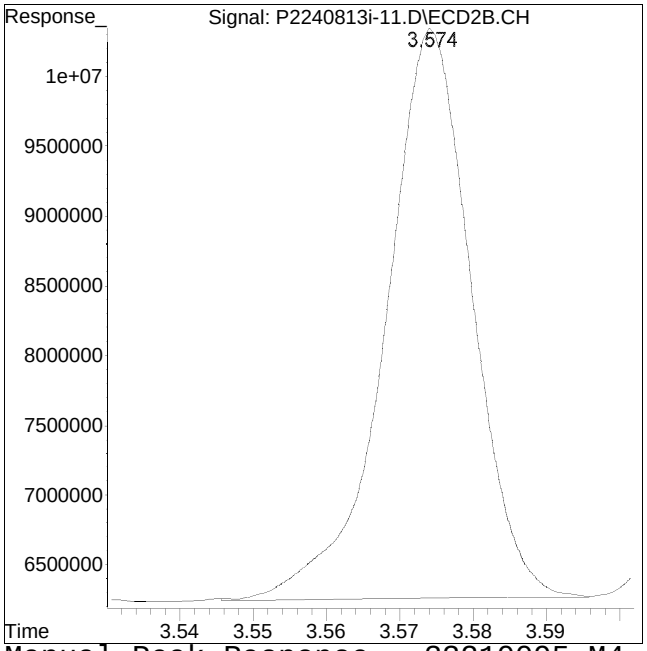
Original Peak Response = 31033246 Manual Peak Response = 26384886 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



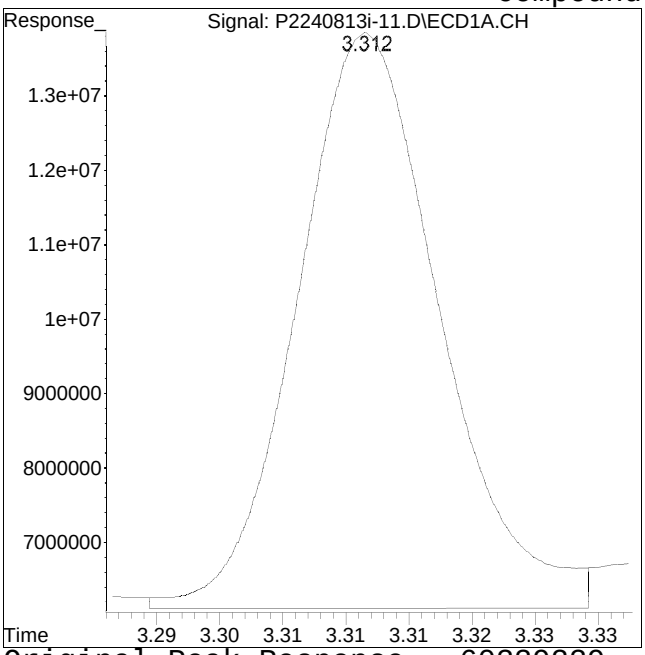


Original Peak Response = 43249825 Manual Peak Response = 33210095 M4
M4 = Poor automated baseline construction.

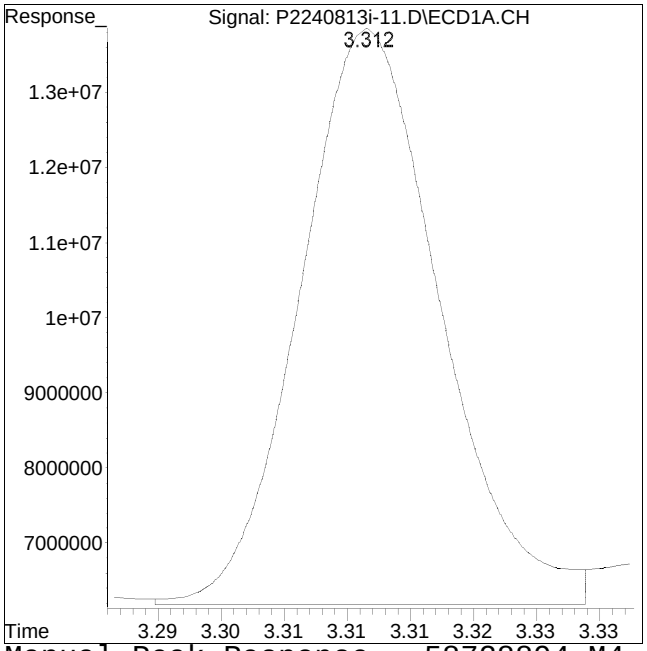
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



Original Peak Response = 60339239



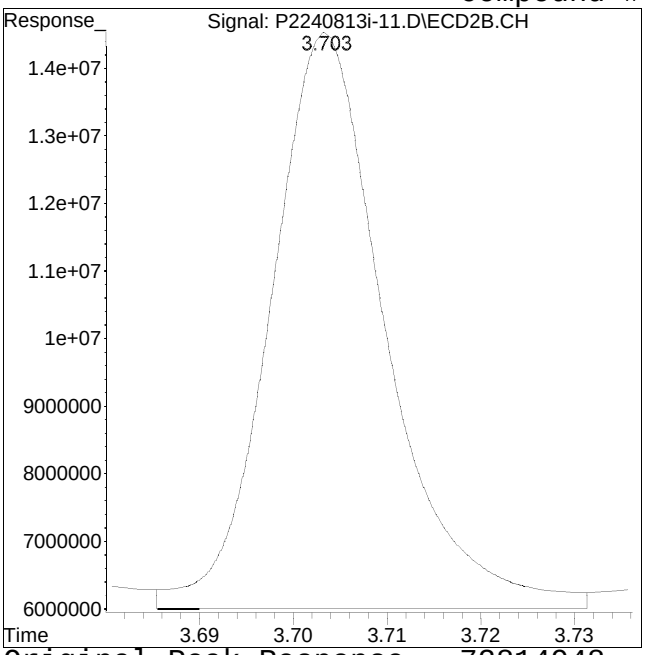
Manual Peak Response = 58728894 M4

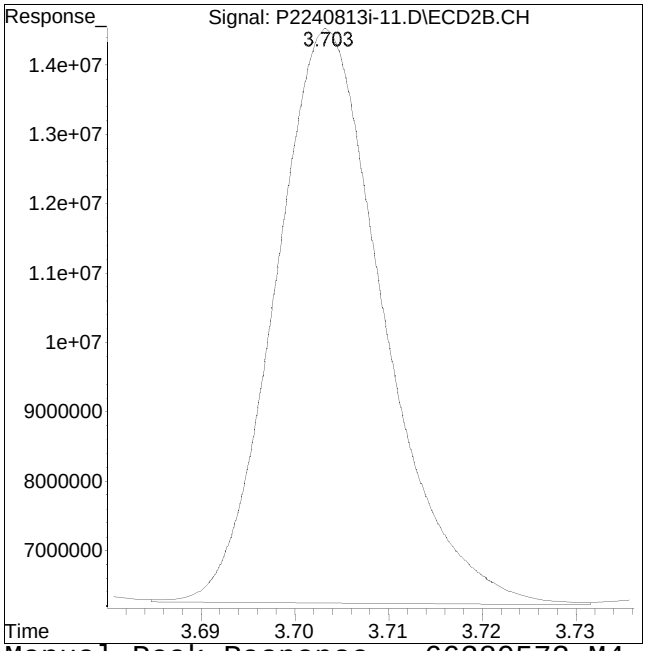
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



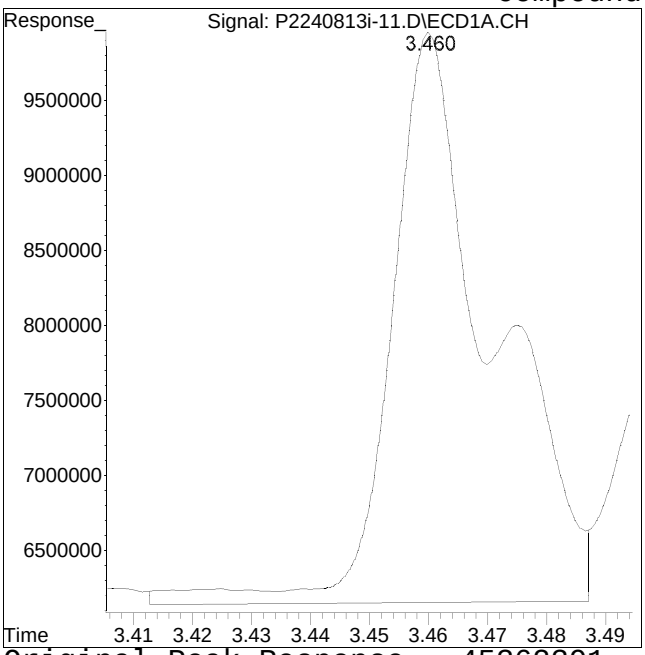


Original Peak Response = 72814948 Manual Peak Response = 66380573 M4
M4 = Poor automated baseline construction.

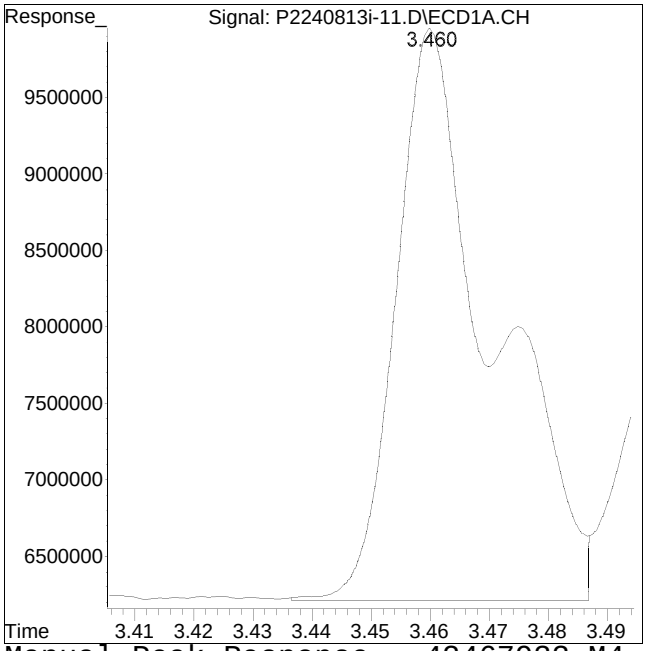
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #13: 1260-5



Original Peak Response = 45362391



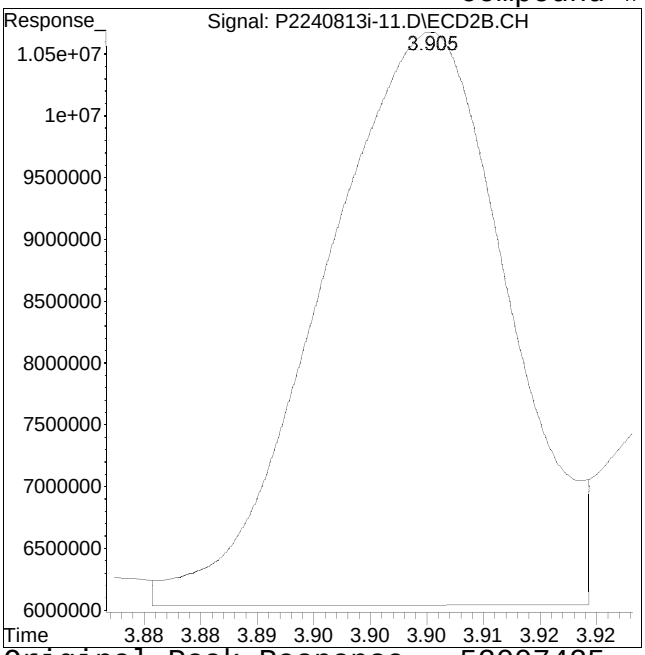
Manual Peak Response = 42467933 M4

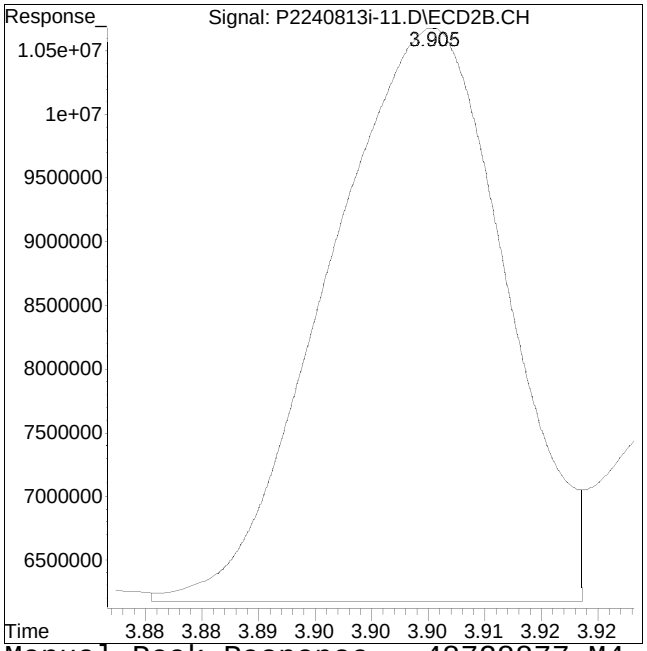
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-11.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:11 Instrument : Pest 2
Sample : il31660,42e,,pp 11664 L50LQuant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2





Original Peak Response = 52007425 Manual Peak Response = 48728877 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	188.2E6	226.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.628	76907336	86246209	5.728M4	4.990M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		28.64%#	24.95%#
3) s	Decachlorobi	4.044	4.553	116.1E6	118.5E6	12.965	12.636M4
	Spiked Amount 20.000	Range 30 - 150		Recovery =		64.83%	63.18%
	Target Compounds						
4) l1	1016-1	1.613	1.827	21502726	25984175	60.416M3	33.198M4
5) l1	1016-2	1.754	1.998	43589472	56604710	92.055M3	23.320M3
6) l1	1016-3	1.942	2.199	93701208	110.4E6	92.897M3	56.824M4
7) l1	1016-4	1.997	2.259	38716367	46612637	75.799M3	37.179M4
8) l1	1016-5	2.167	2.470	42872407	34992171	33.169M4	42.481M4
	Sum 1016-1			240.4E6	274.6E6	354.336	193.002 D
	Average 1016-1					70.867	38.600 D
9) l2	1260-1	2.710	3.080	60057176	64656695	78.202M4	65.893M4
10) l2	1260-2	2.840	3.181	88981440	81550496	77.237M3	54.370M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
11) l2	1260-3	3.156	3.574	53971643	66010591	82.979M4	56.703M4
12) l2	1260-4	3.312	3.703	114.4E6	126.5E6	104.874M3	89.652M4
13) l2	1260-5	3.460	3.905	84338410	95286846	117.314	51.546M4
Sum	1260-1			401.7E6	434.0E6	NoCal	NoCal D
Average	1260-1					92.121	63.633
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

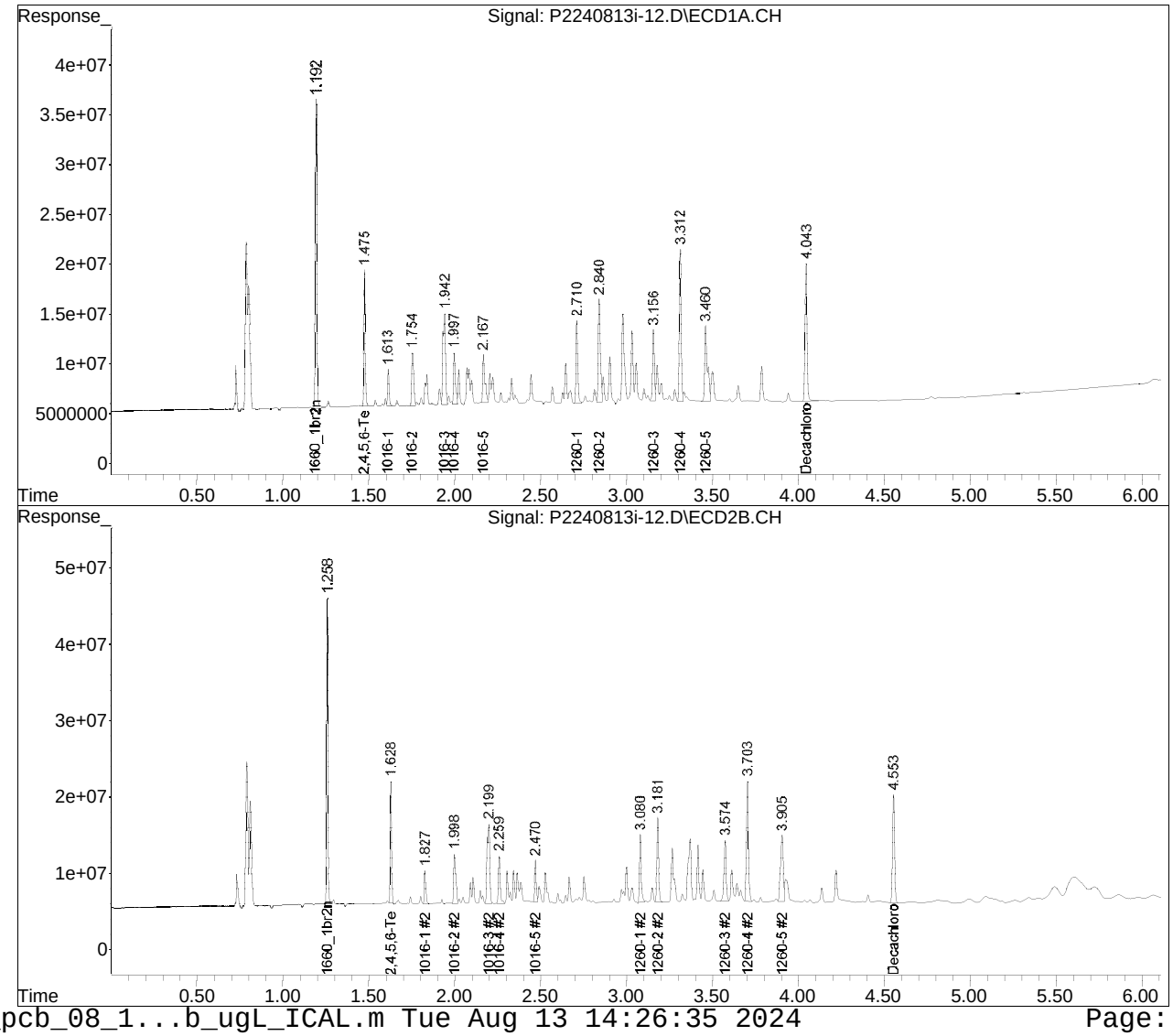
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-12.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:20
Operator : pest2:rmp
Sample : il41660,42e,,pp 11664 L100LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:57:57 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:57:55 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

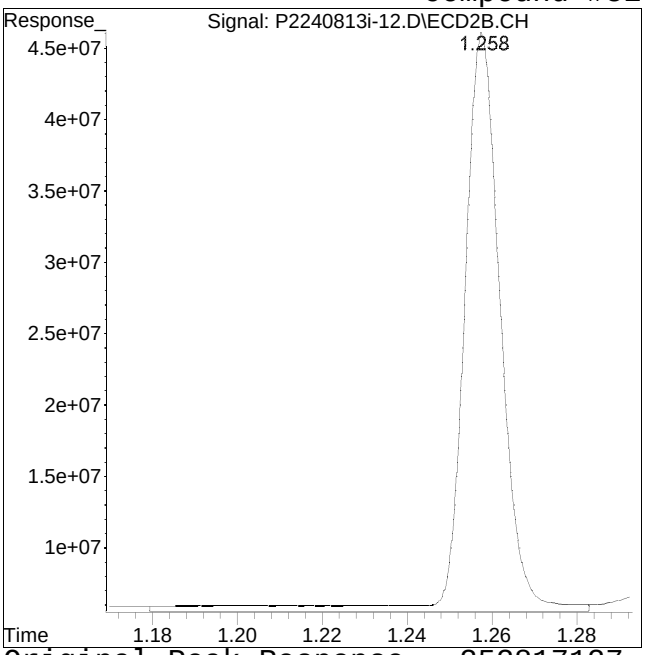
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



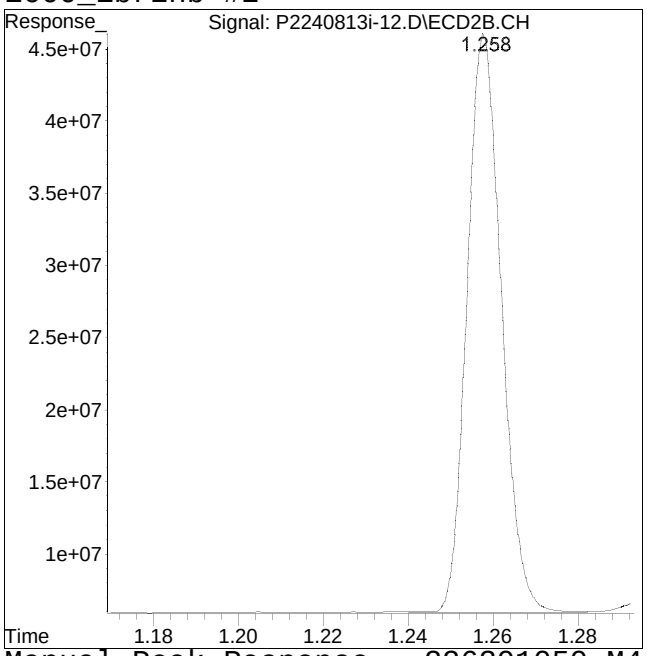
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 252817127



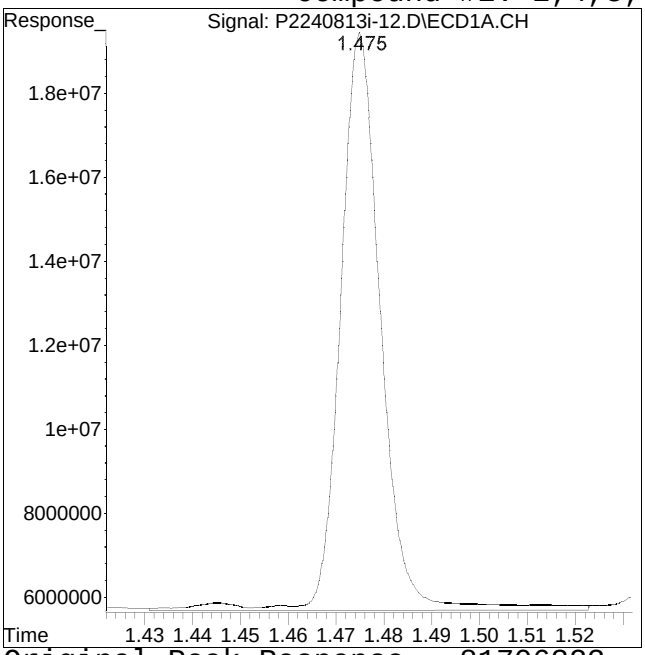
Manual Peak Response = 226301050 M4

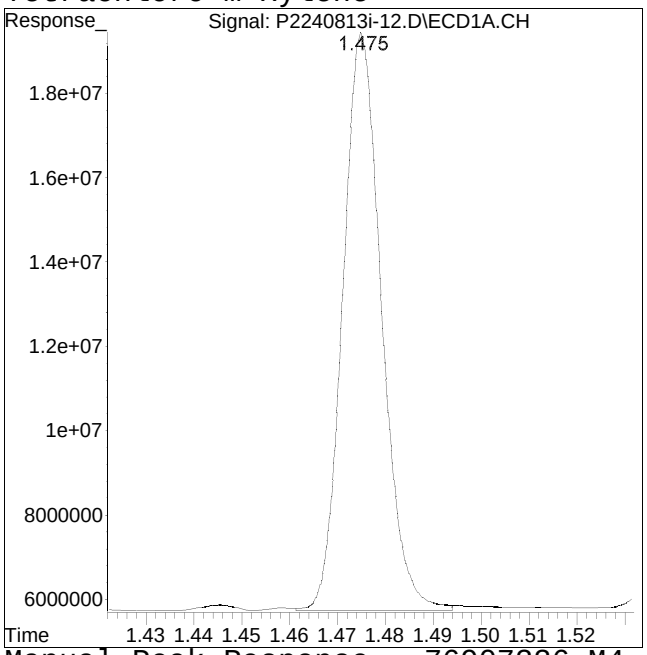
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



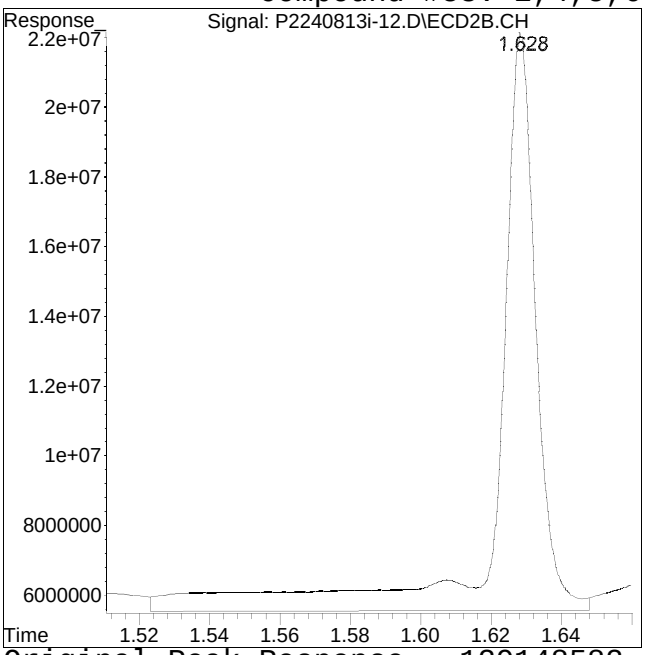


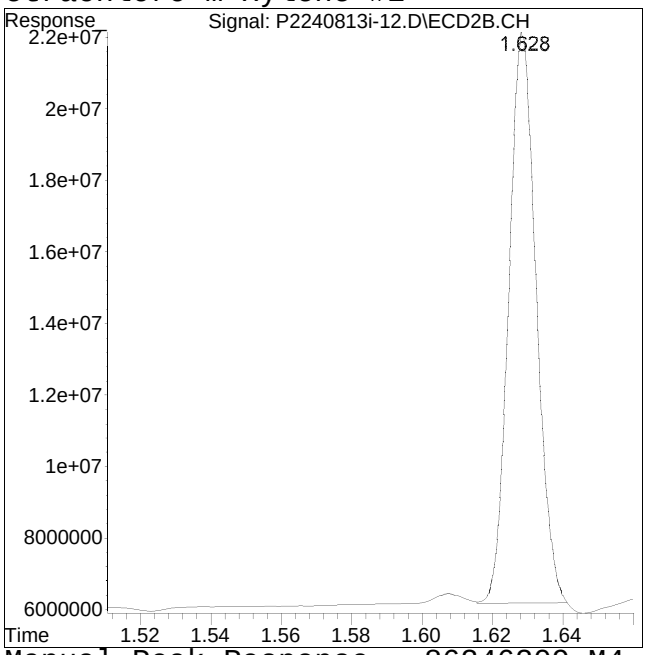
Original Peak Response = 81706323 Manual Peak Response = 76907336 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



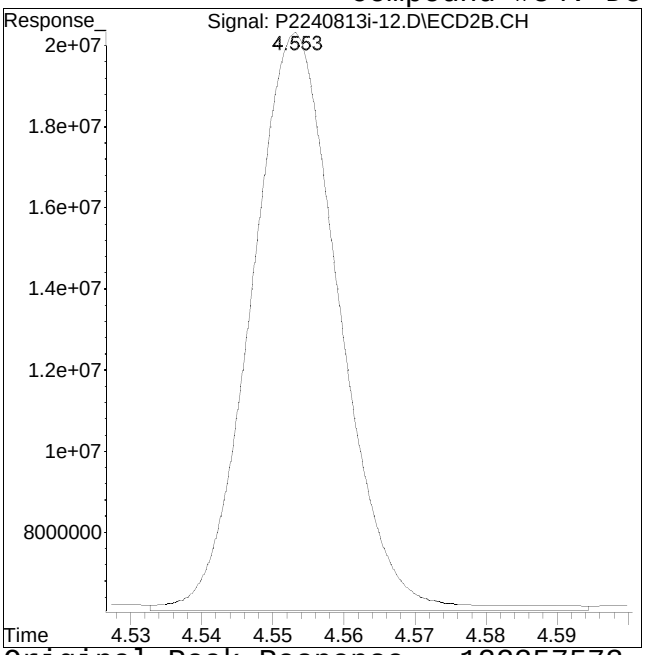


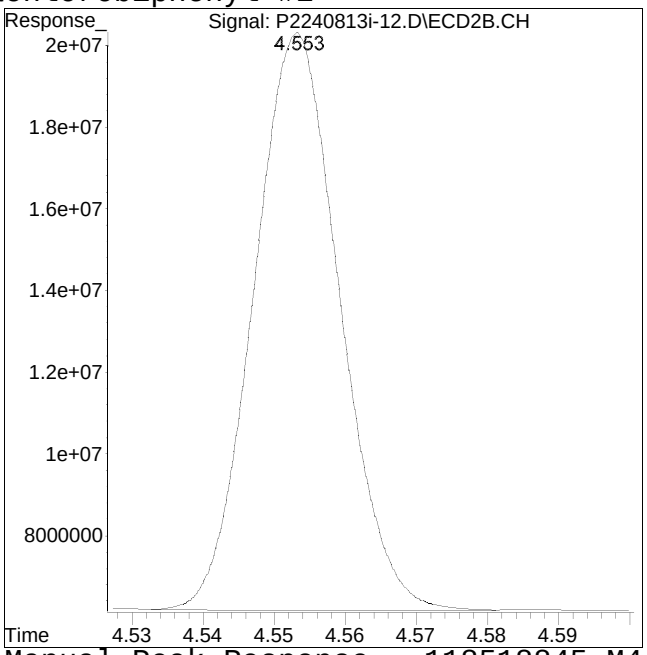
Original Peak Response = 129148582 Manual Peak Response = 86246209 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #54: Decachlorobiphenyl #2



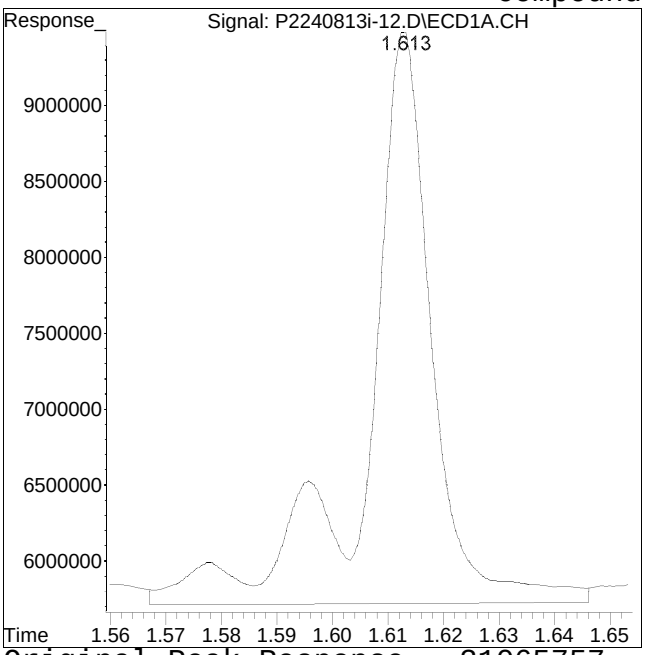


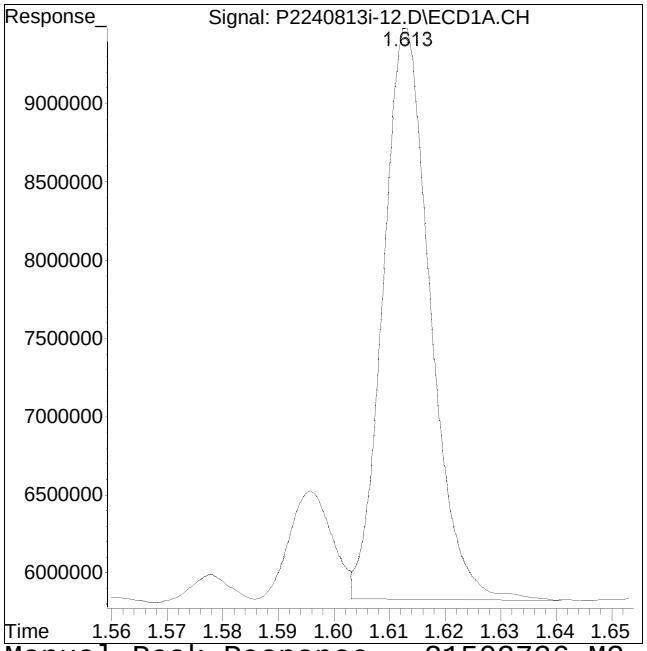
Original Peak Response = 122357573 Manual Peak Response = 118518845 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #4: 1016-1



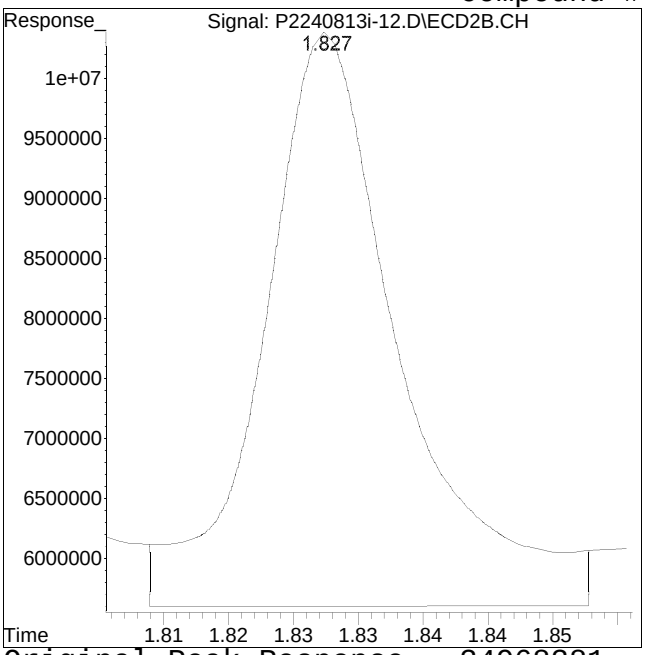


Original Peak Response = 31065757 Manual Peak Response = 21502726 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

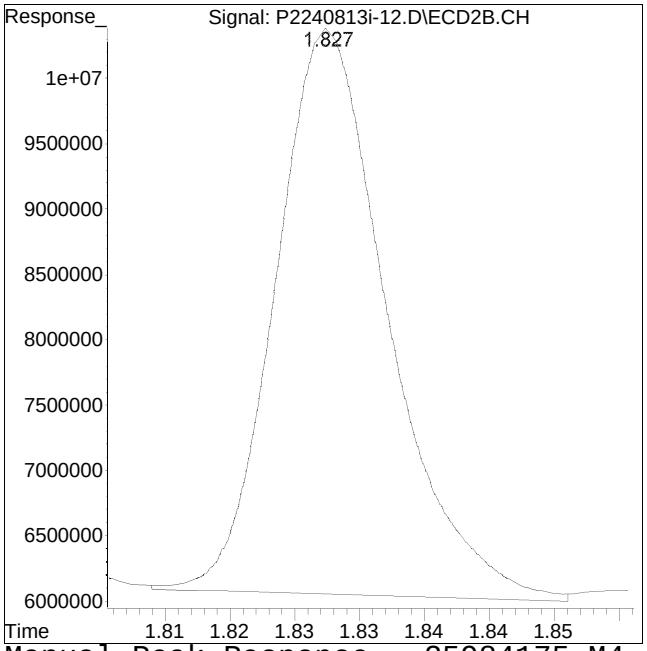
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #55: 1016-1 #2



Original Peak Response = 34968381



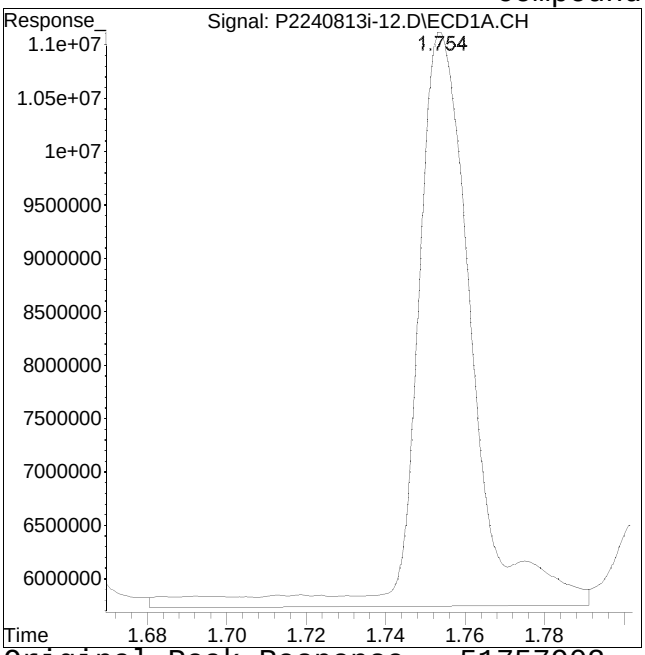
Manual Peak Response = 25984175 M4

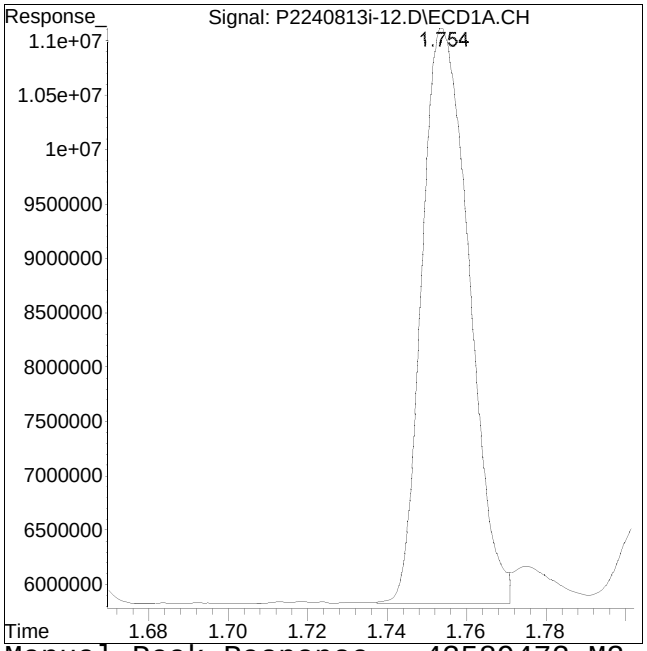
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #5: 1016-2



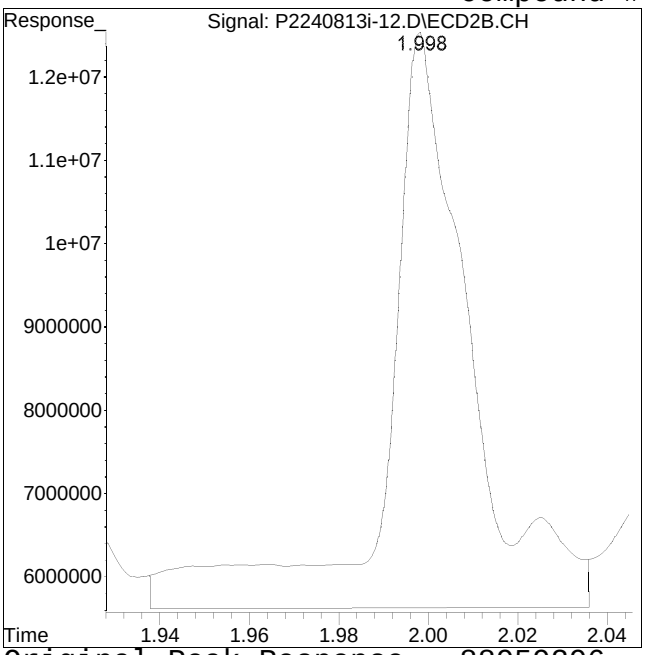


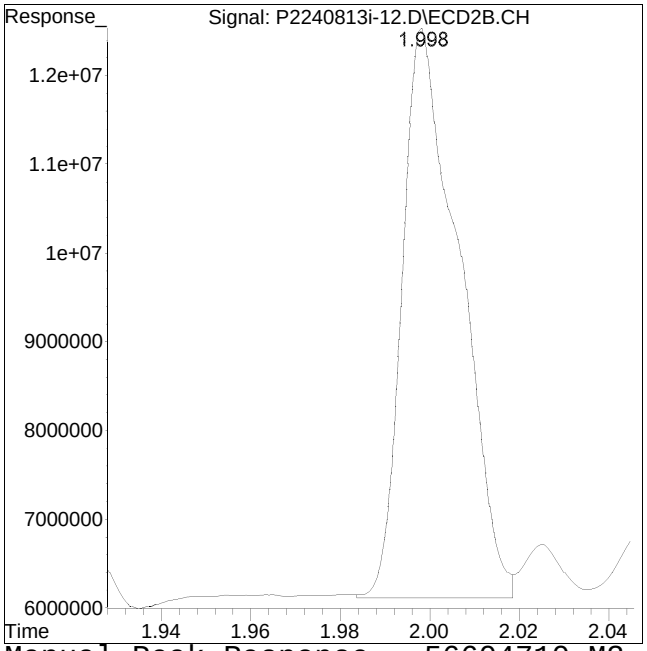
Original Peak Response = 51757902 Manual Peak Response = 43589472 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #56: 1016-2 #2



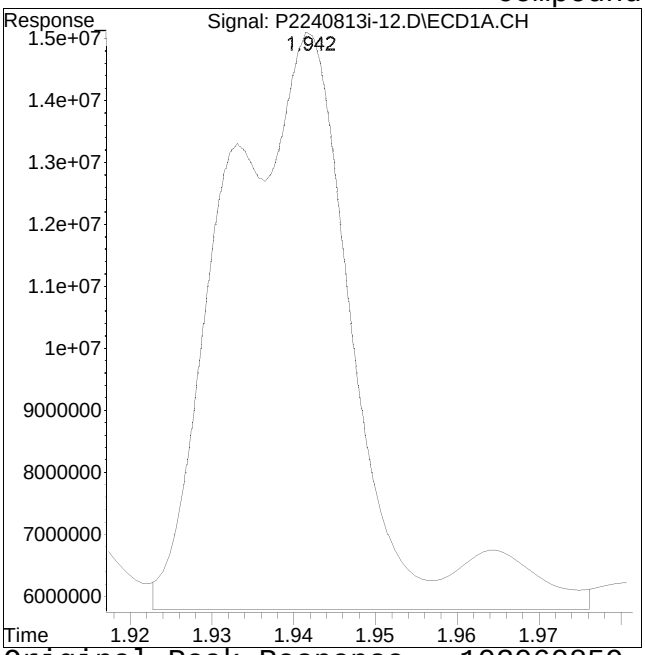


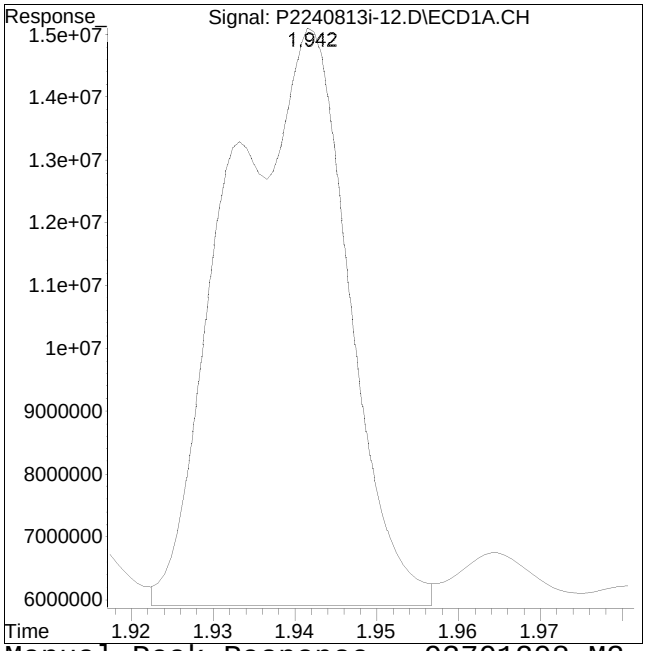
Original Peak Response = 88959296 Manual Peak Response = 56604710 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #6: 1016-3



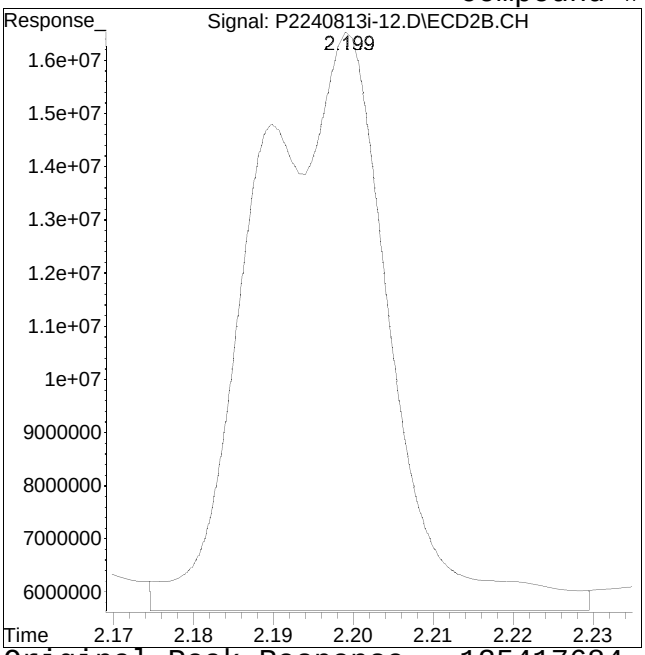


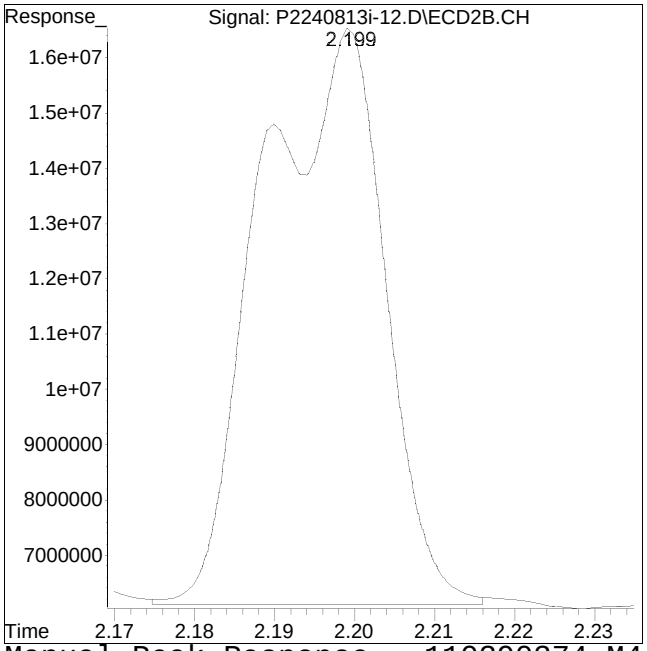
Original Peak Response = 103060859 Manual Peak Response = 93701208 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #57: 1016-3 #2



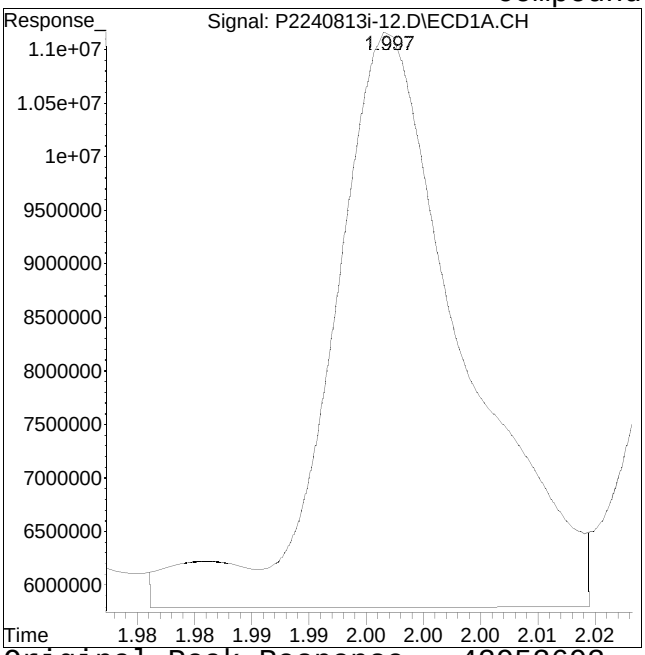


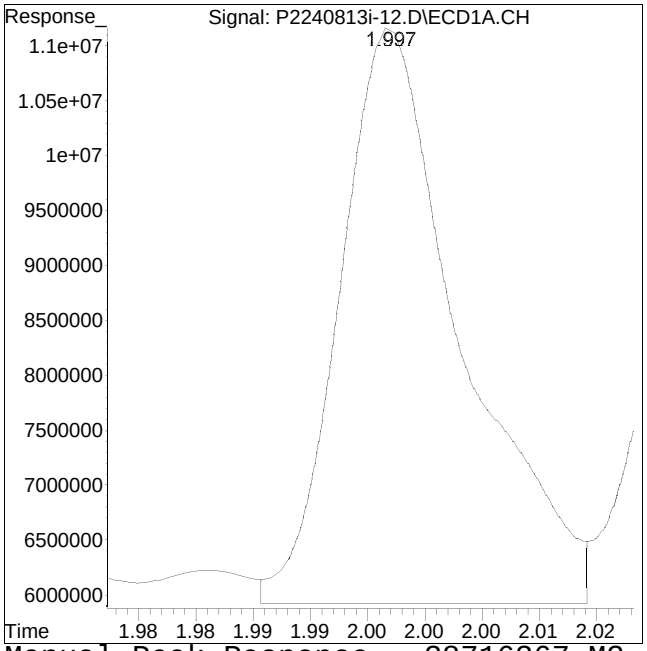
Original Peak Response = 125417684 Manual Peak Response = 110390374 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #7: 1016-4



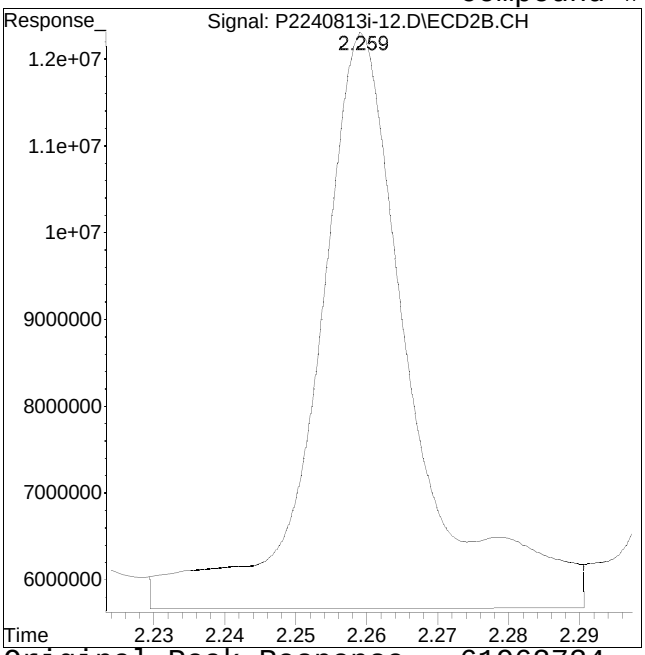


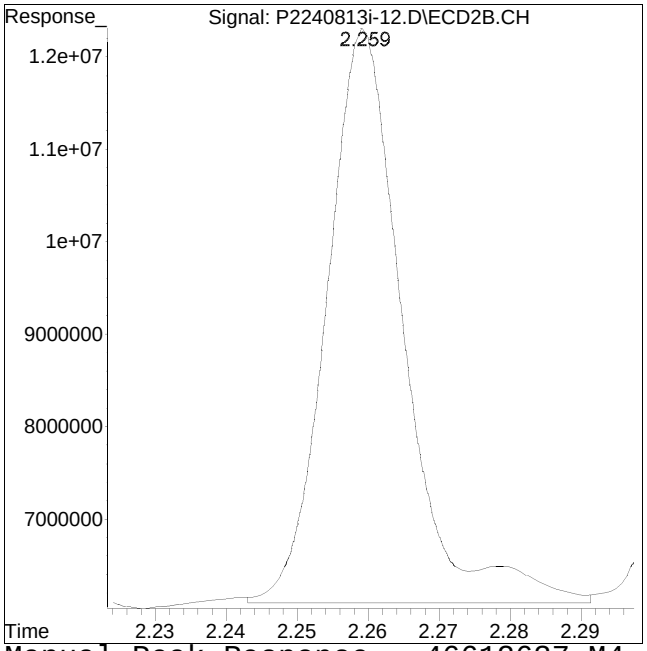
Original Peak Response = 42953693 Manual Peak Response = 38716367 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #58: 1016-4 #2



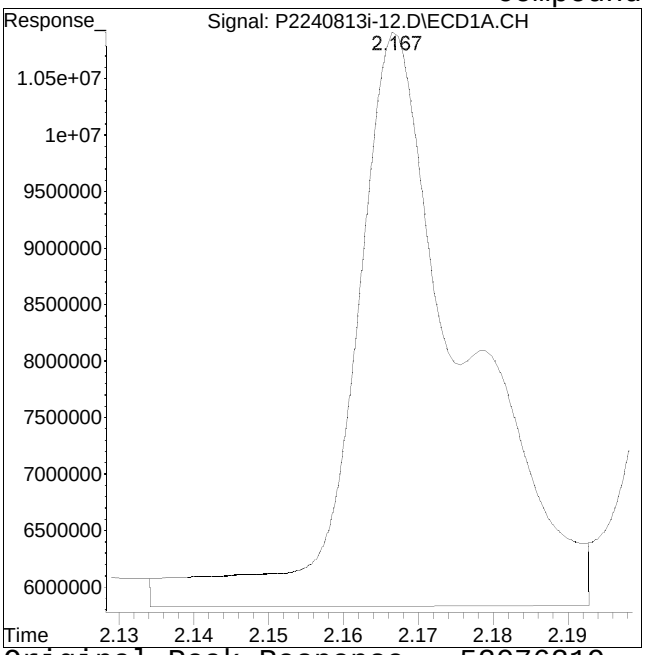


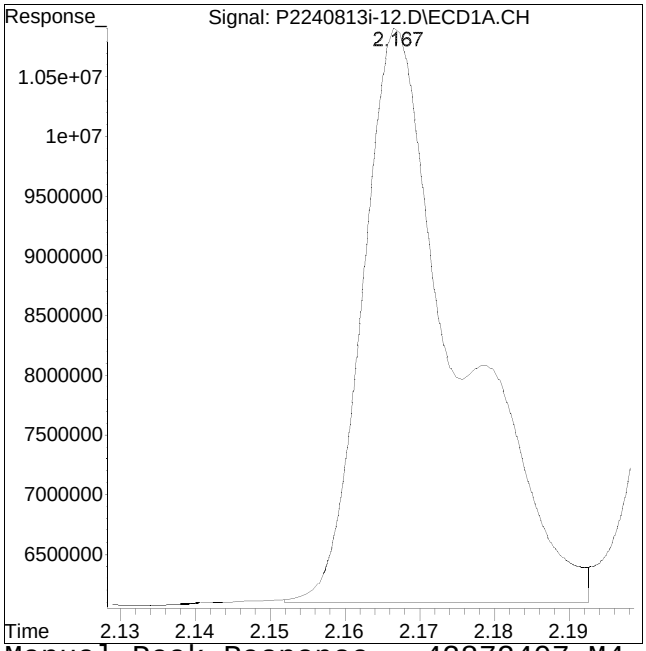
Original Peak Response = 61962734 Manual Peak Response = 46612637 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #8: 1016-5



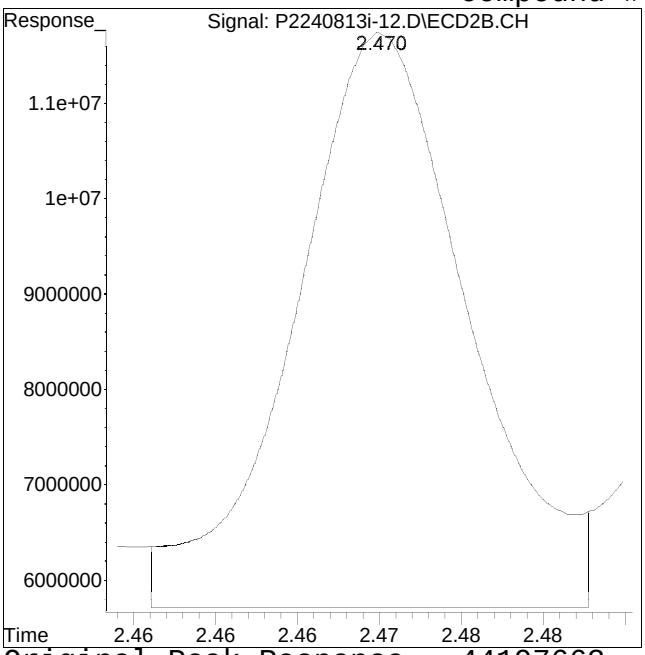


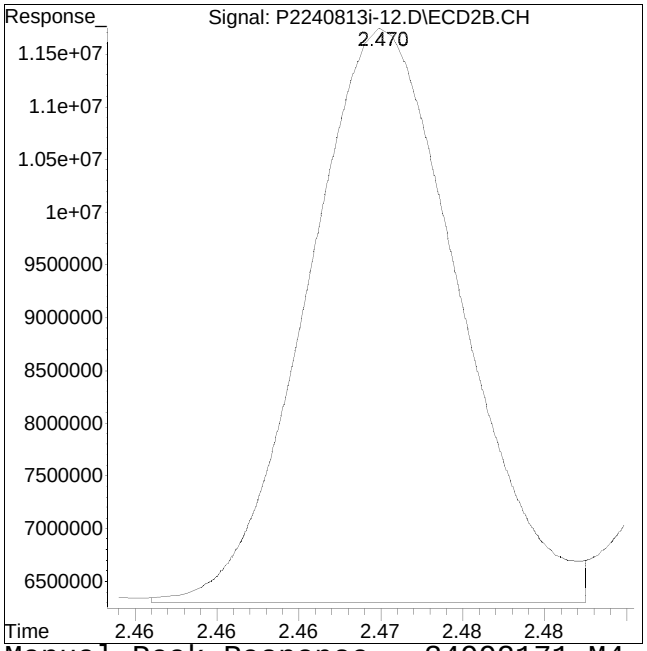
Original Peak Response = 52076219 Manual Peak Response = 42872407 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #59: 1016-5 #2



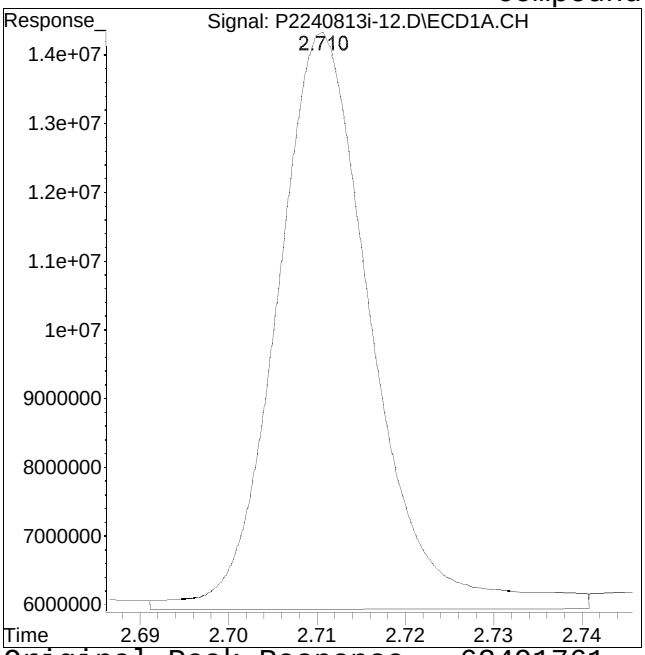


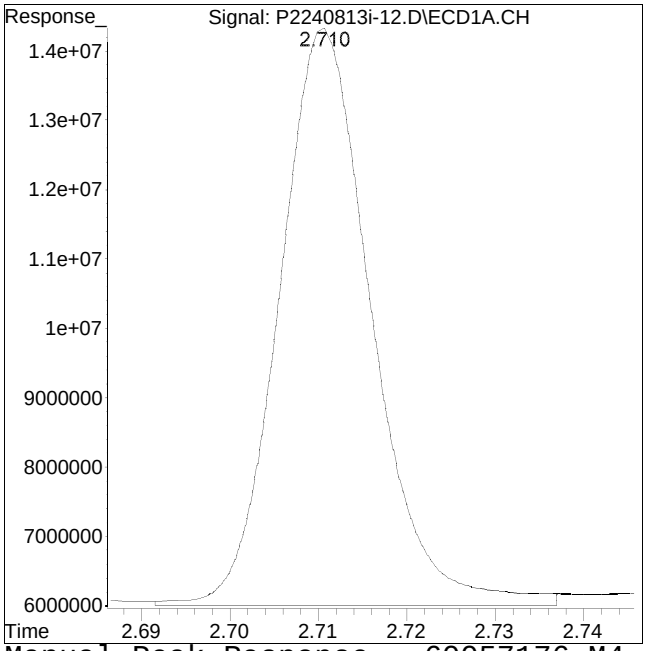
Original Peak Response = 44197663 Manual Peak Response = 34992171 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #9: 1260-1



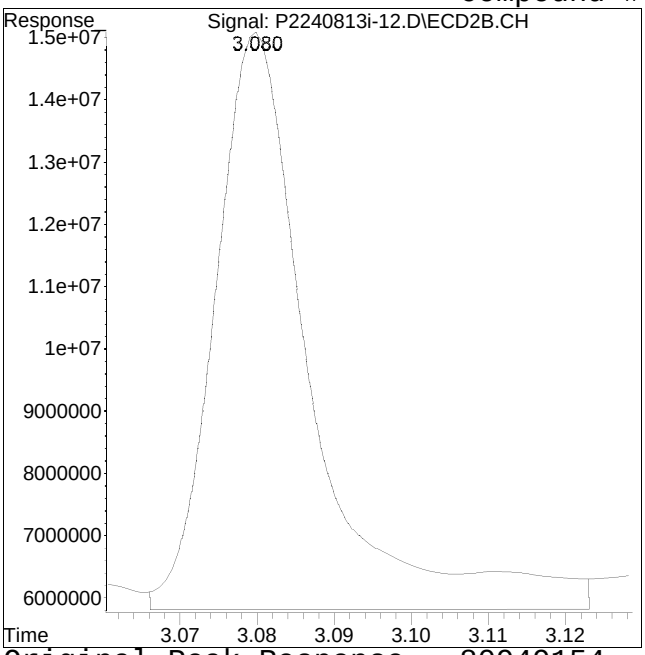


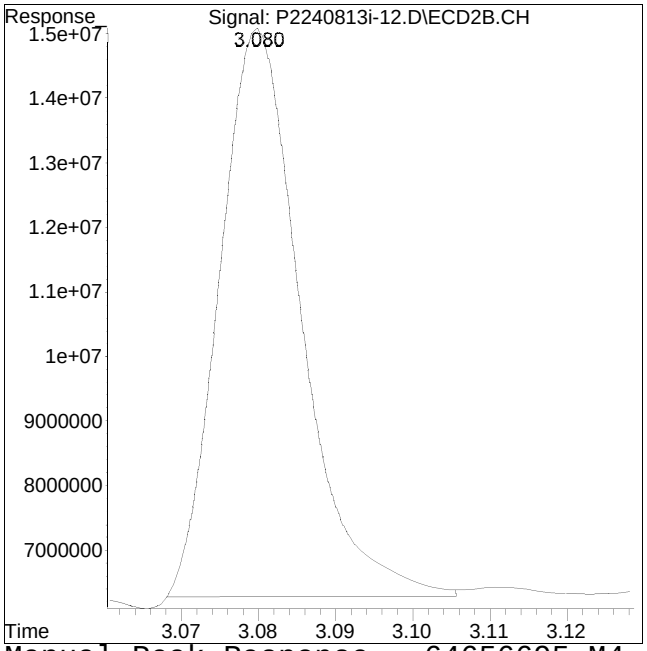
Original Peak Response = 62491761 Manual Peak Response = 60057176 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #60: 1260-1 #2



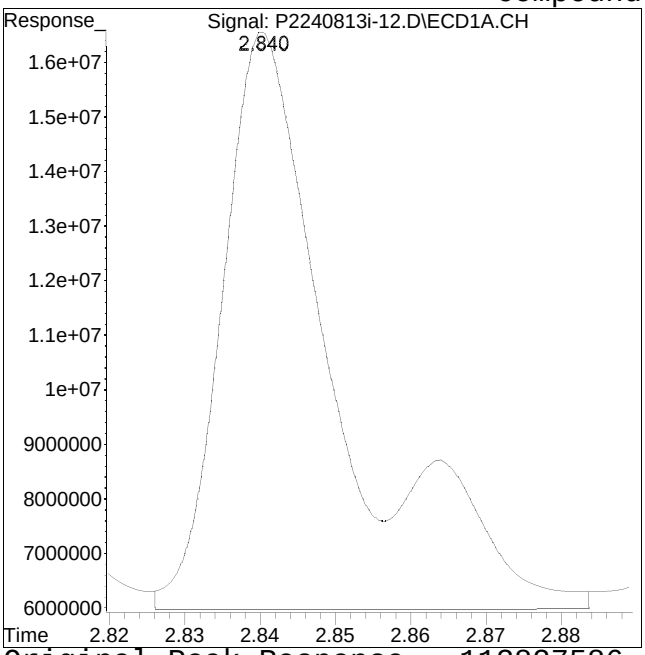


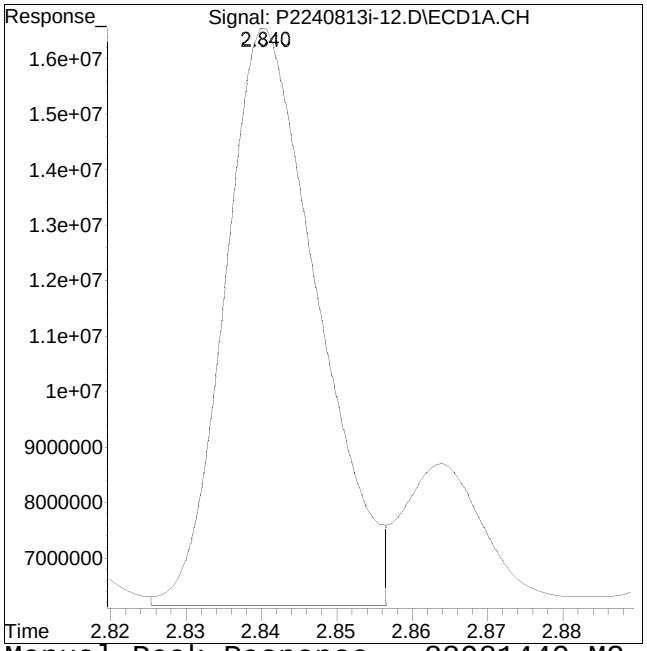
Original Peak Response = 80949154 Manual Peak Response = 64656695 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #10: 1260-2



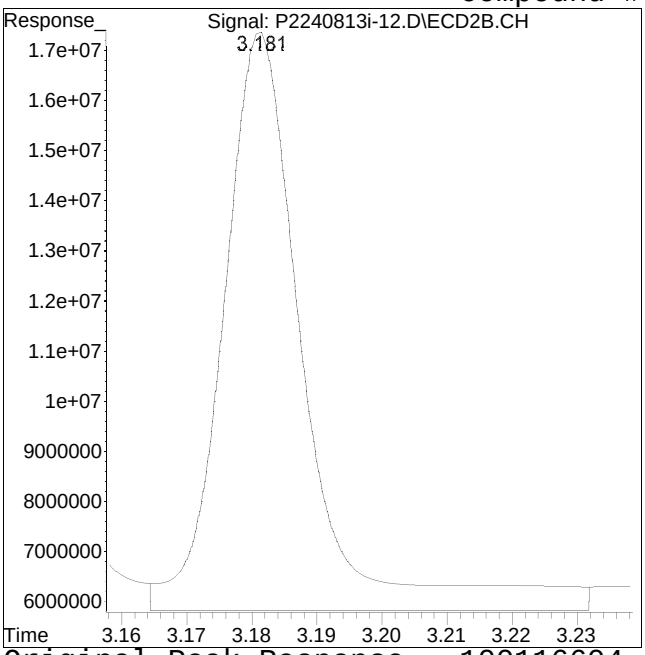


Original Peak Response = 113827586 Manual Peak Response = 88981440 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

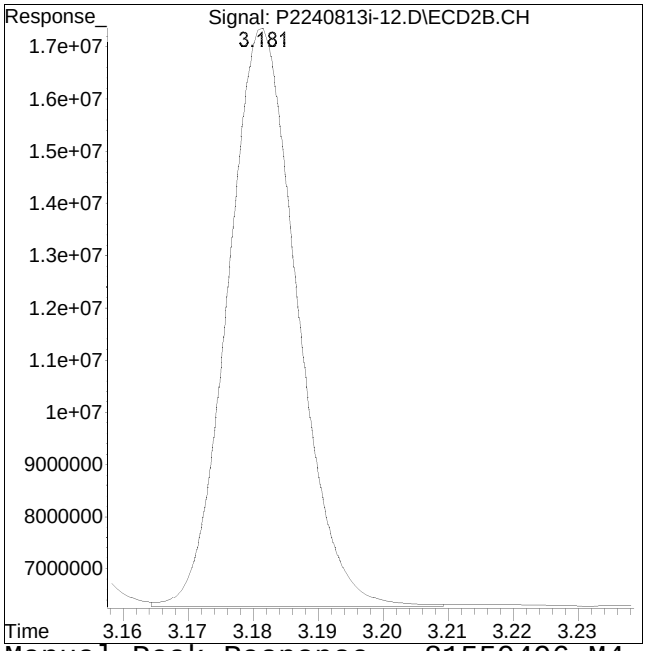
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #61: 1260-2 #2



Original Peak Response = 100116604



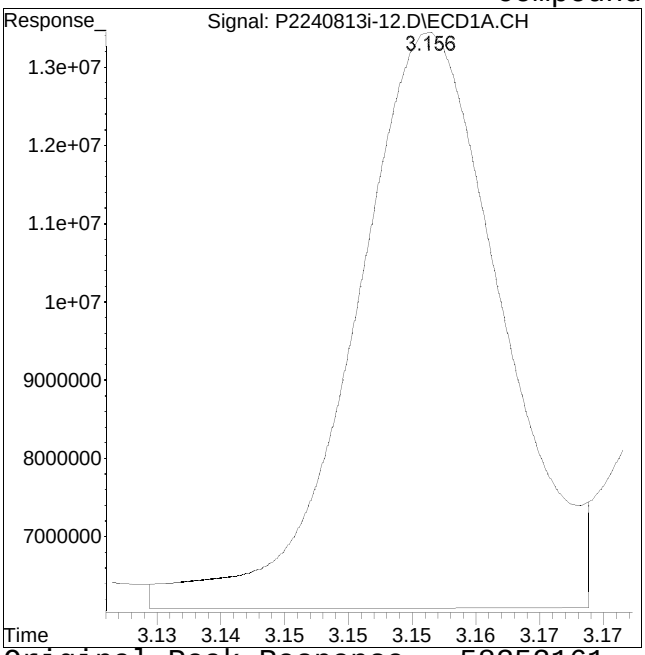
Manual Peak Response = 81550496 M4

M4 = Poor automated baseline construction.

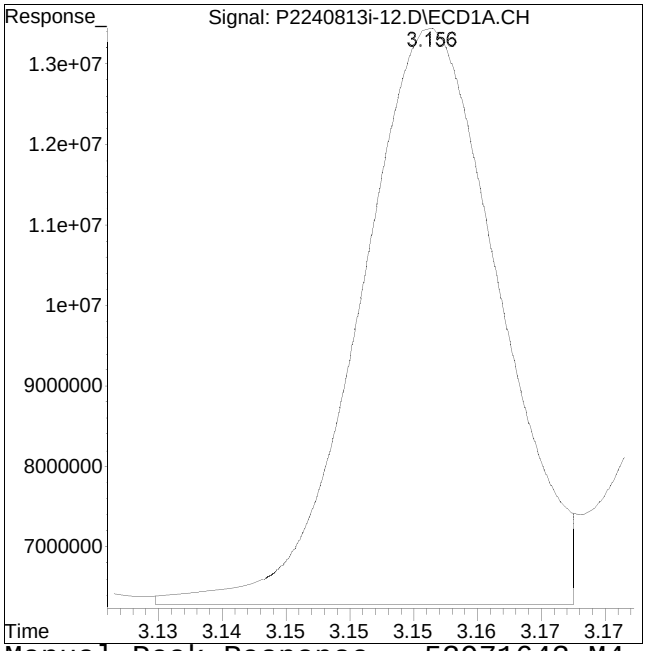
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #11: 1260-3



Original Peak Response = 58352161



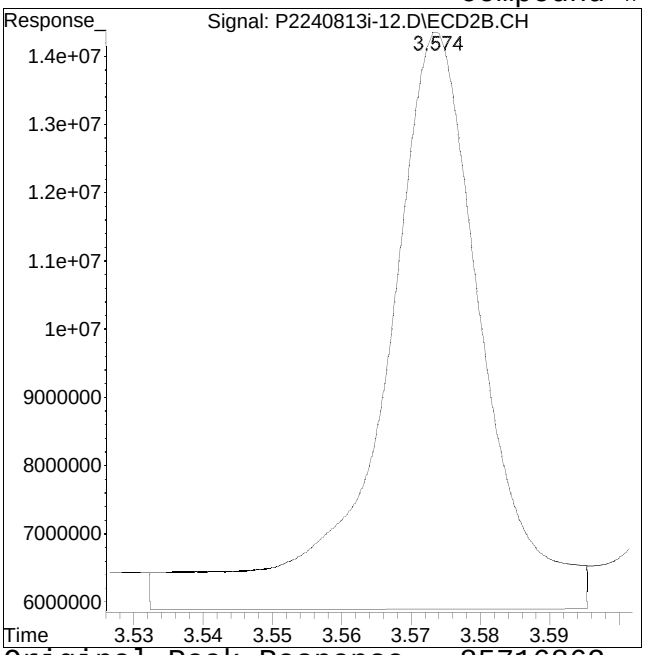
Manual Peak Response = 53971643 M4

M4 = Poor automated baseline construction.

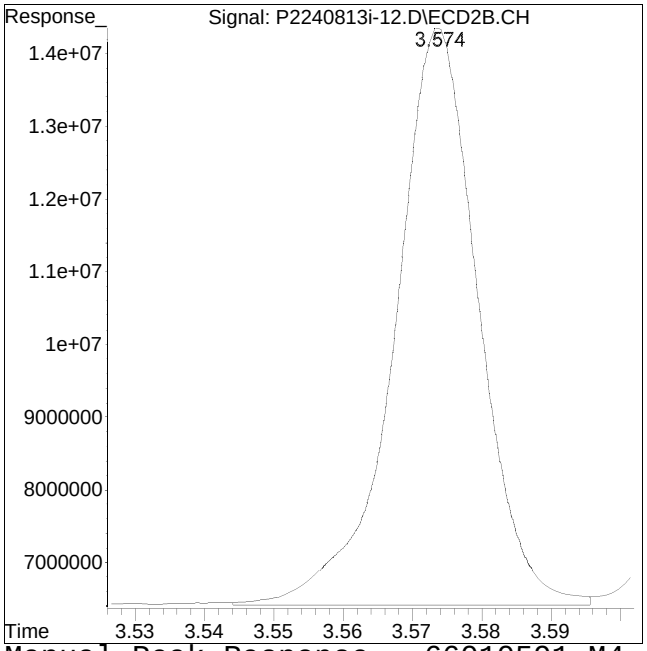
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #62: 1260-3 #2



Original Peak Response = 85716862



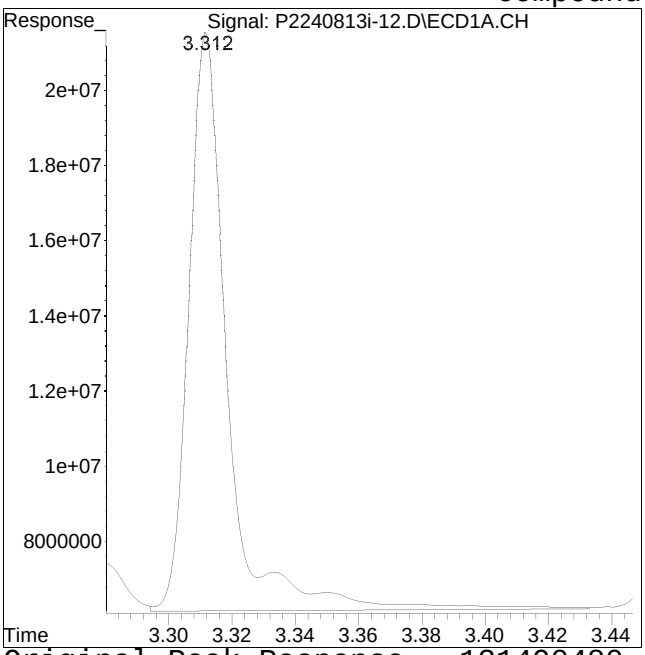
Manual Peak Response = 66010591 M4

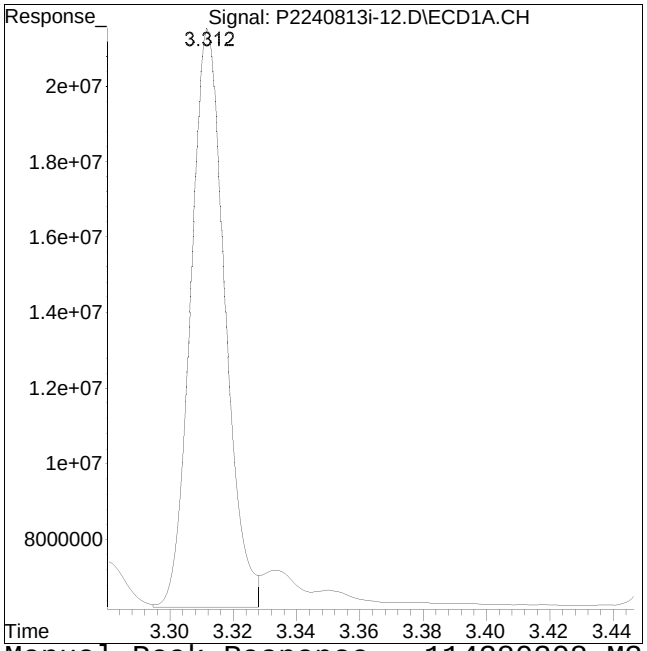
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #12: 1260-4



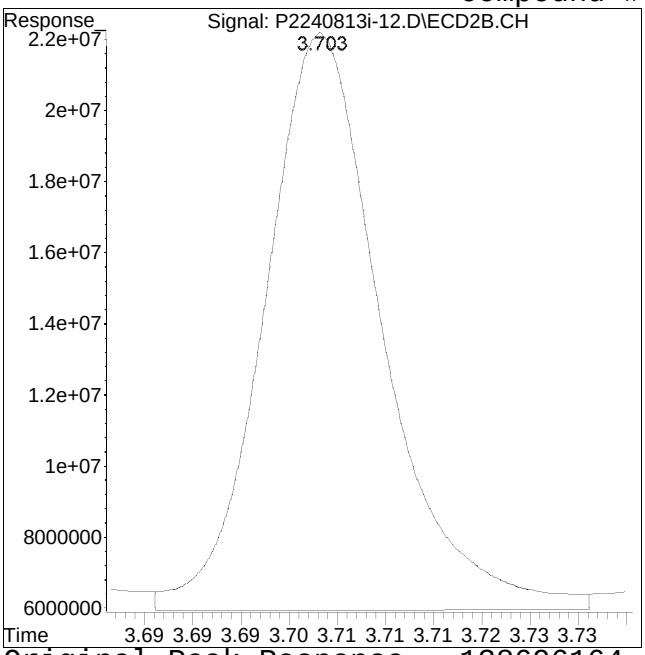


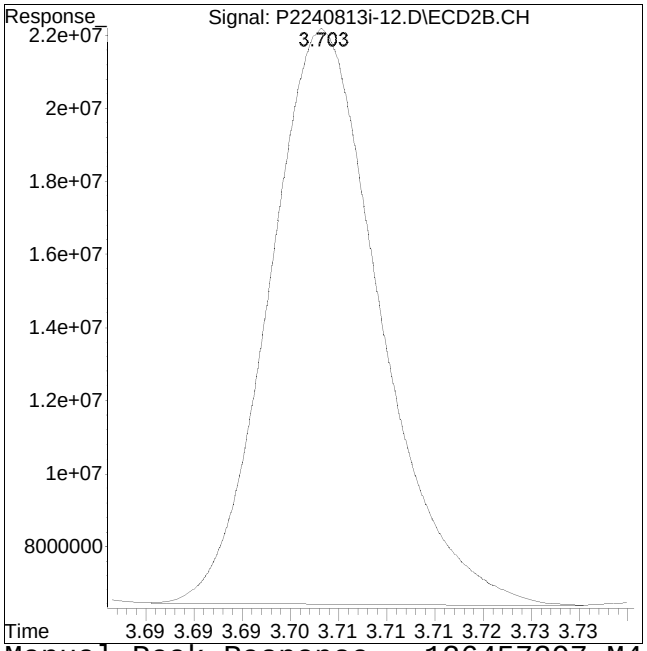
Original Peak Response = 131490480 Manual Peak Response = 114380308 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #63: 1260-4 #2



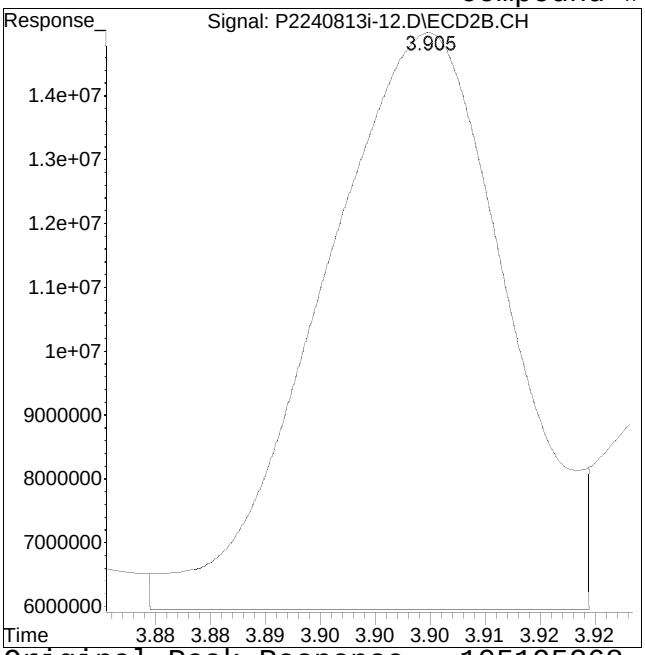


Original Peak Response = 138696164 Manual Peak Response = 126457297 M4
M4 = Poor automated baseline construction.

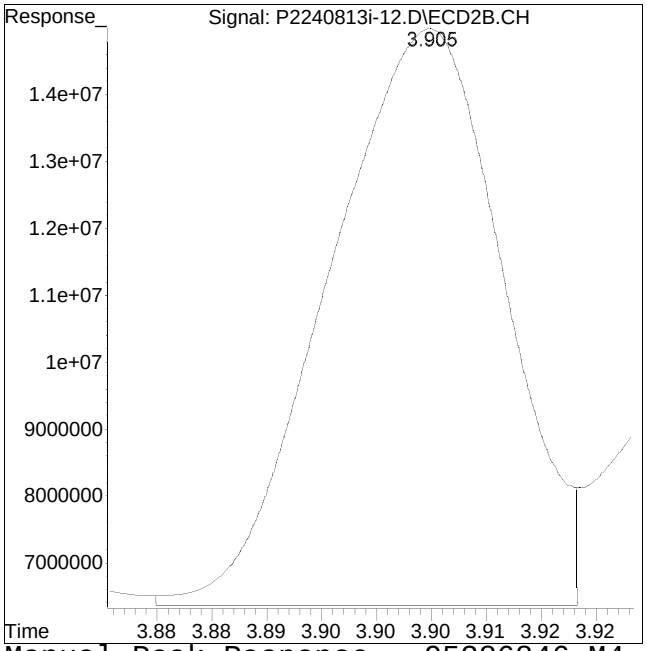
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-12.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:20 Instrument : Pest 2
Sample : il41660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:57 pm

Compound #64: 1260-5 #2



Original Peak Response = 105195268



Manual Peak Response = 95286846 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.258	176.4E6	207.3E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	183.7E6	202.7E6	14.352	11.857
	Spiked Amount 20.000	Range 30 - 150		Recovery =		71.76%	59.28%
3) s	Decachlorobi	4.044	4.553	266.4E6	262.0E6	31.746	31.255
	Spiked Amount 20.000	Range 30 - 150		Recovery =		158.73%#	156.27%#
	Target Compounds						
4) l1	1016-1	1.613	1.828	50167498	55319127	141.684	75.979
5) l1	1016-2	1.754	1.999	103.0E6	123.7E6	226.642	54.361
6) l1	1016-3	1.942	2.199	219.7E6	244.5E6	227.594	136.997
7) l1	1016-4	1.997	2.260	88911789	99935446	183.970	85.399
8) l1	1016-5	2.167	2.470	94823015	76425444	77.043M4	99.690M4
	Sum 1016-1			556.6E6	599.9E6	856.933	452.427 D
	Average 1016-1					171.387	90.485 D
9) l2	1260-1	2.711	3.080	135.0E6	149.4E6	187.544	163.353
10) l2	1260-2	2.841	3.182	203.6E6	182.4E6	178.811	130.990
11) l2	1260-3	3.157	3.575	129.9E6	149.1E6	213.035	136.841
12) l2	1260-4	3.312	3.704	272.9E6	292.9E6	257.036M3	228.838
13) l2	1260-5	3.460	3.906	197.7E6	208.3E6	293.381	123.051
	Sum 1260-1			939.0E6	982.3E6	NoCal	NoCal D
	Average 1260-1					225.961	156.615

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

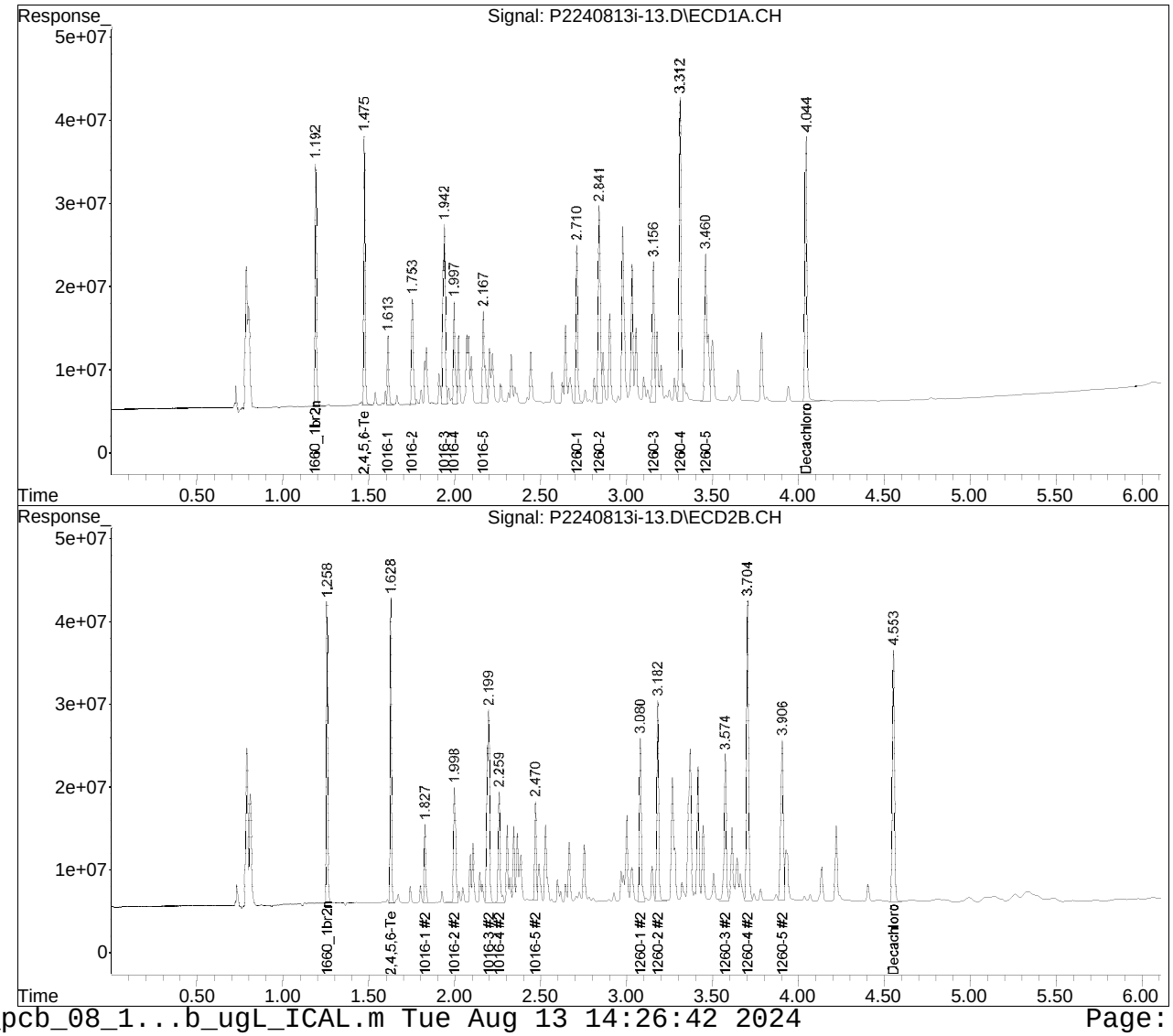
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-13.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:30
Operator : pest2:rmp
Sample : il51660,42e,,pp 11664 L250LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:11 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:08 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

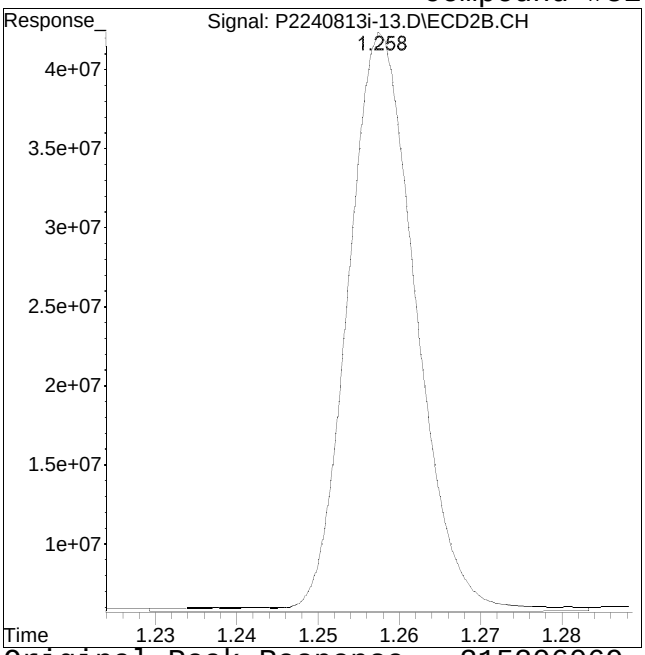
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



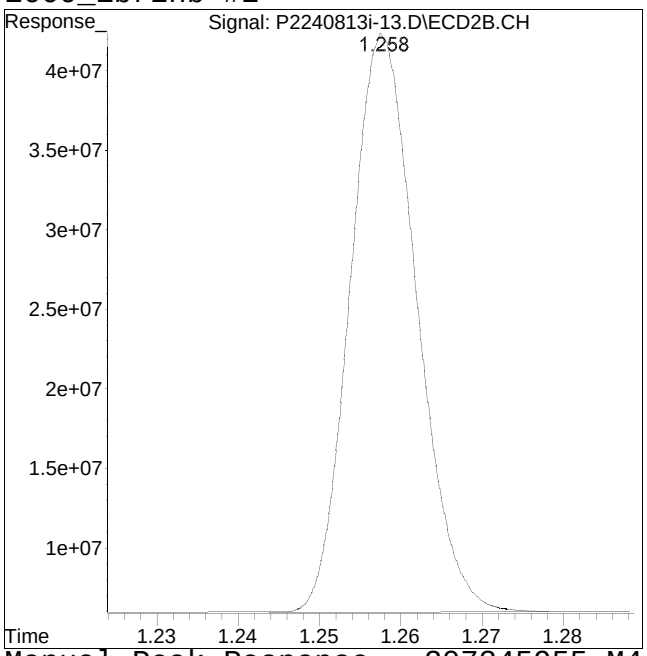
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #52: 1660_1br2nb #2



Original Peak Response = 215206069



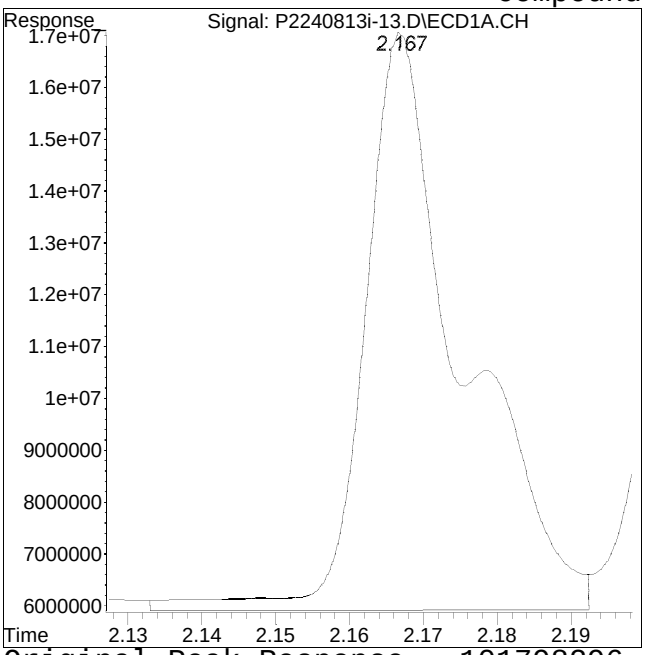
Manual Peak Response = 207345955 M4

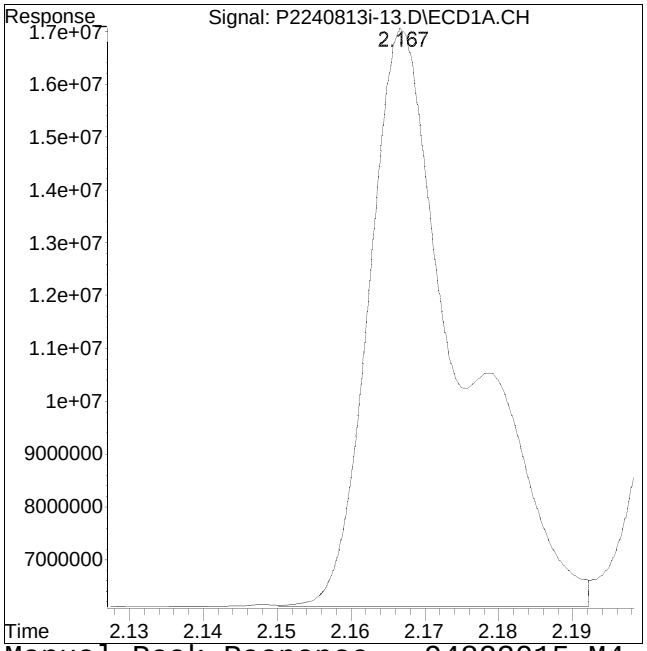
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



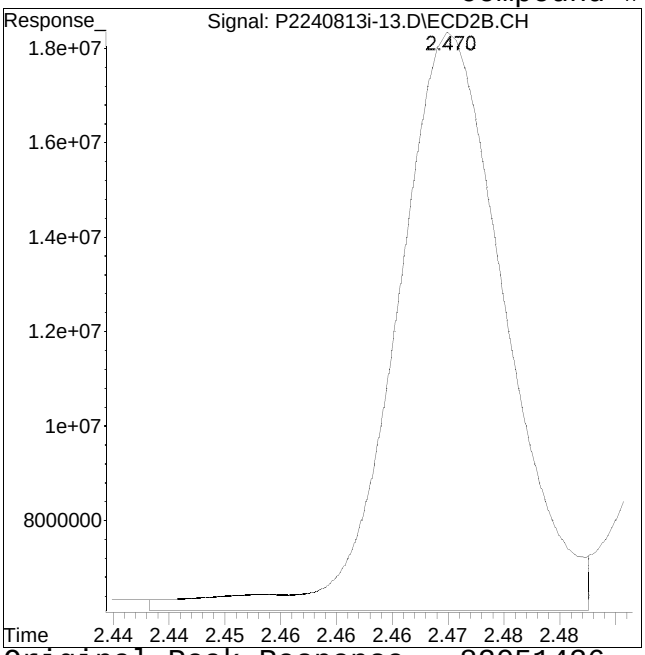


Original Peak Response = 101798296 Manual Peak Response = 94823015 M4
M4 = Poor automated baseline construction.

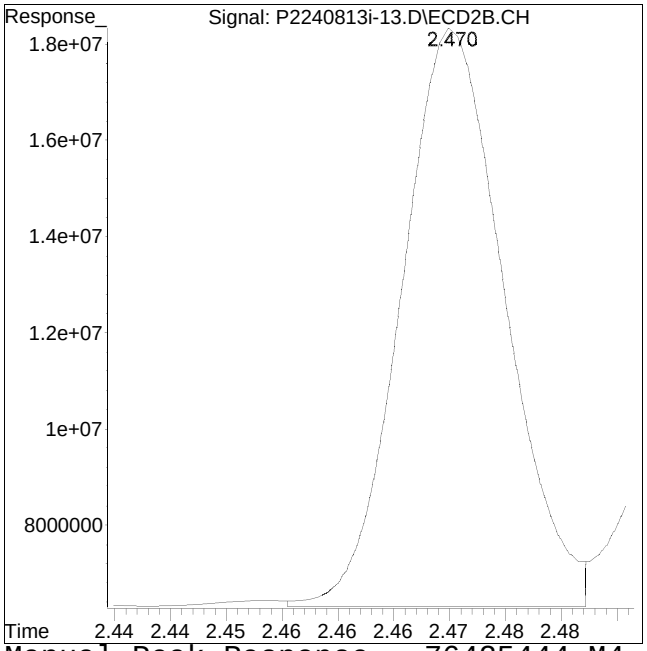
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



Original Peak Response = 82051436



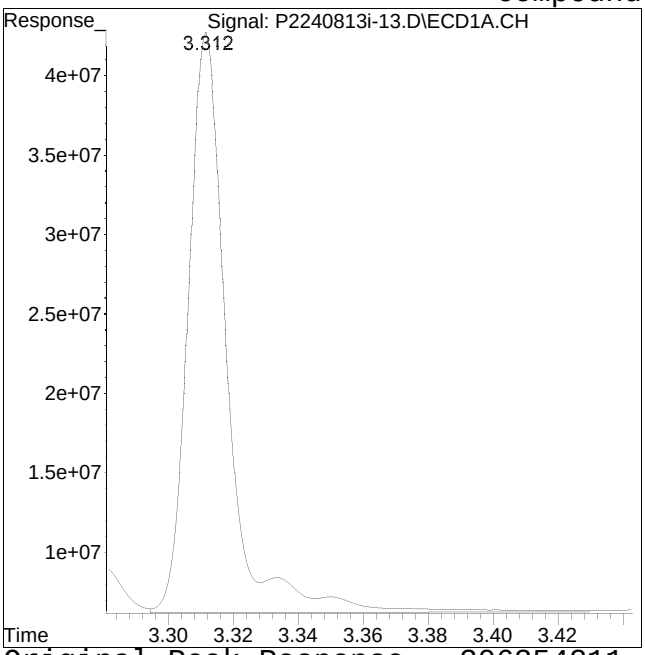
Manual Peak Response = 76425444 M4

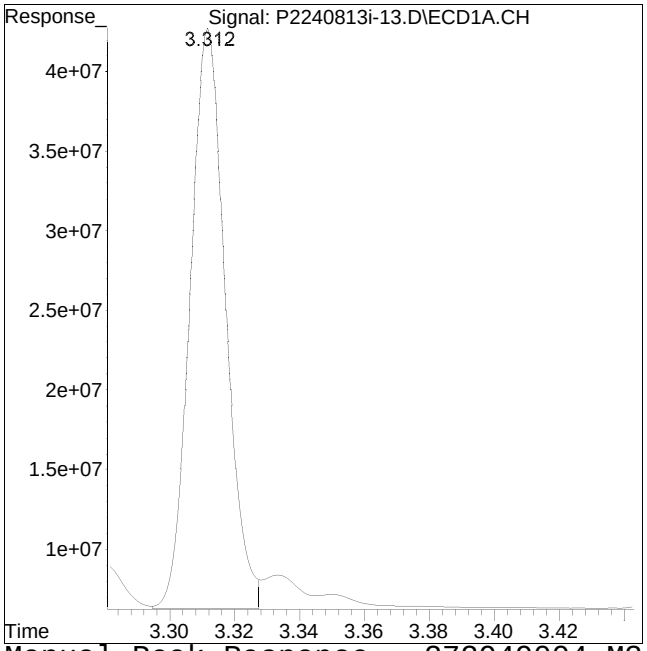
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-13.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:30 Instrument : Pest 2
Sample : il51660,42e,,pp 11664 L250Quant Date : 8/13/2024 12:58 pm

Compound #12: 1260-4





Original Peak Response = 306354211 Manual Peak Response = 272949004 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	187.8E6	223.0E6	25.000	25.000M4
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	386.9E6	414.9E6	29.137	24.299
	Spiked Amount 20.000	Range 30 - 150		Recovery =		145.69%	121.50%
3) s	Decachlorobi	4.044	4.553	548.0E6	525.0E6	61.462	59.090
	Spiked Amount 20.000	Range 30 - 150		Recovery =		307.31%#	295.45%#
	Target Compounds						
4) l1	1016-1	1.614	1.828	101.7E6	108.2E6	295.346	160.993
5) l1	1016-2	1.754	1.999	199.8E6	240.3E6	420.972M3	116.578
6) l1	1016-3	1.942	2.200	457.3E6	490.5E6	453.074	282.094
7) l1	1016-4	1.997	2.259	182.3E6	197.4E6	374.120M3	181.090M1
8) l1	1016-5	2.167	2.471	194.9E6	150.6E6	171.724M4	206.912M4
	Sum 1016-1			1136.1E6	1186.9E6	1715.236	947.666 D
	Average 1016-1					343.047	189.533 D
9) l2	1260-1	2.711	3.080	277.4E6	289.4E6	381.084	317.570
10) l2	1260-2	2.841	3.182	418.6E6	354.2E6	366.155	262.387
11) l2	1260-3	3.157	3.575	270.7E6	293.7E6	429.888	276.689
12) l2	1260-4	3.312	3.704	571.3E6	586.8E6	490.199	436.506
13) l2	1260-5	3.460	3.906	407.9E6	419.1E6	549.601M1	257.190
	Sum 1260-1			1945.9E6	1943.1E6	NoCal	NoCal D

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1260-1					443.385	310.068
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

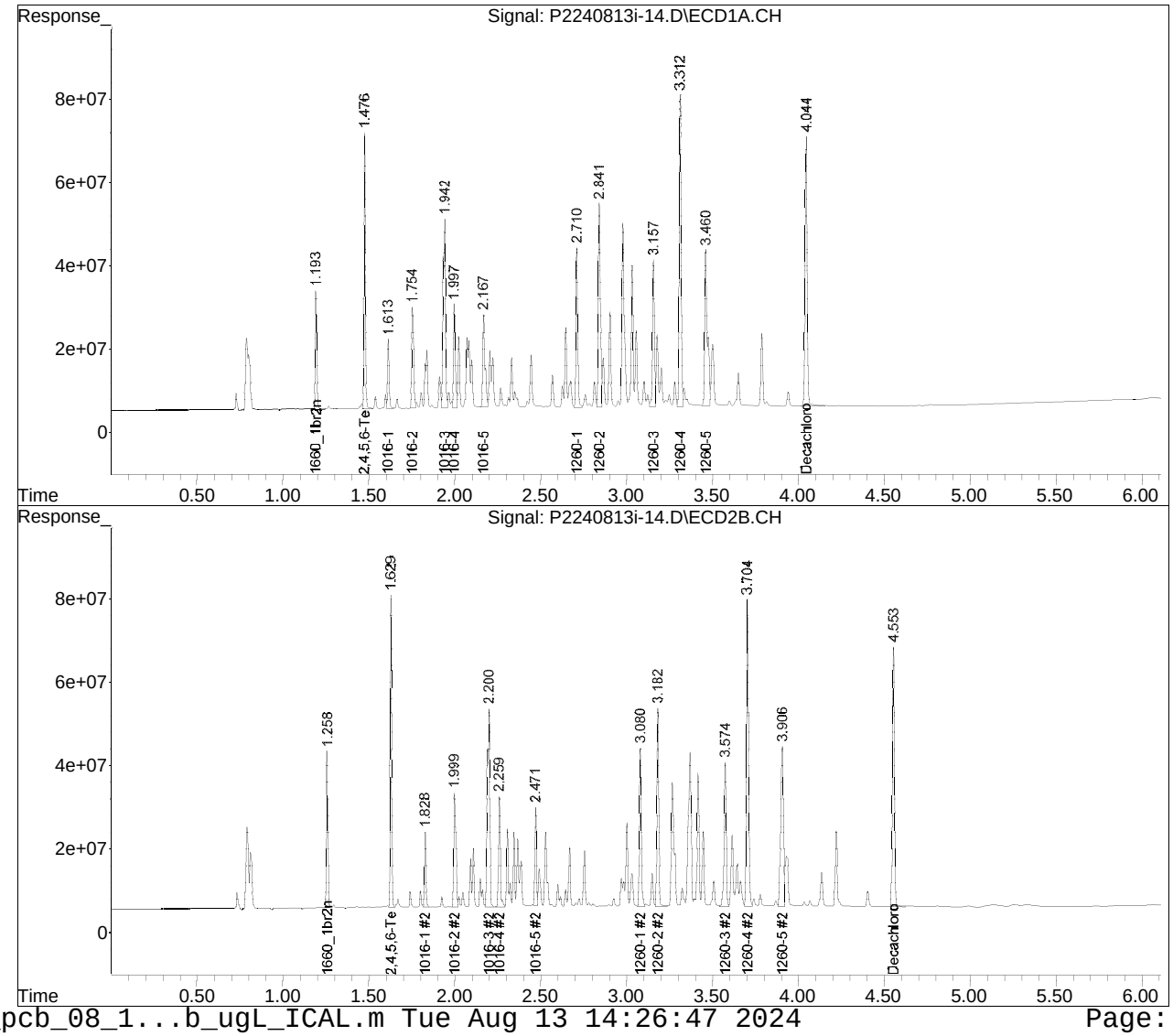
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-14.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:39
Operator : pest2:rmp
Sample : il61660,42e,,pp 11664 L500LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:26 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:24 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

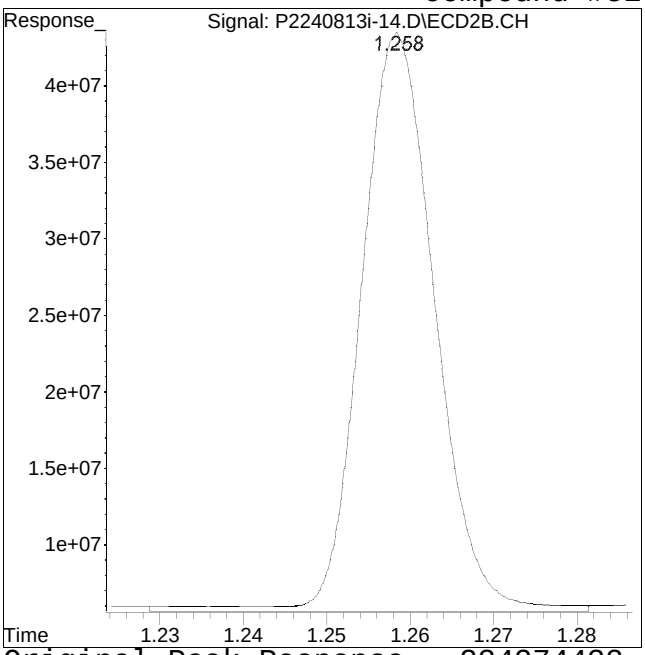
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

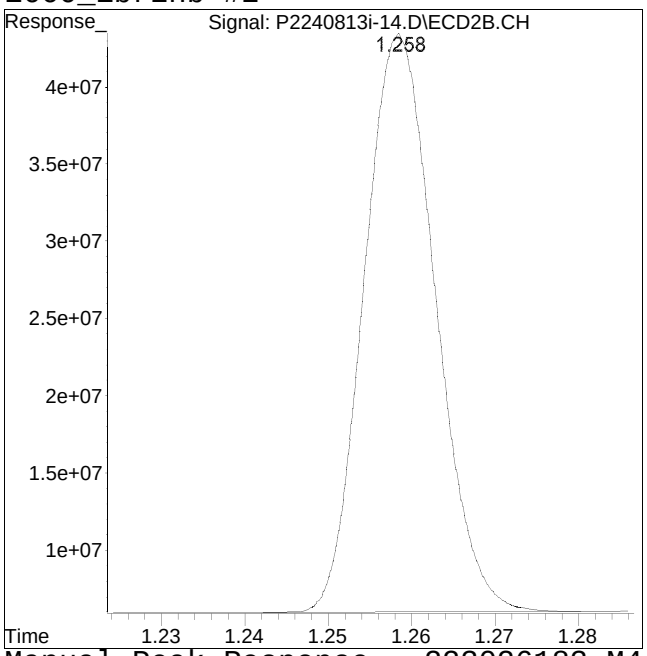


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #52: 1660_1br2nb #2



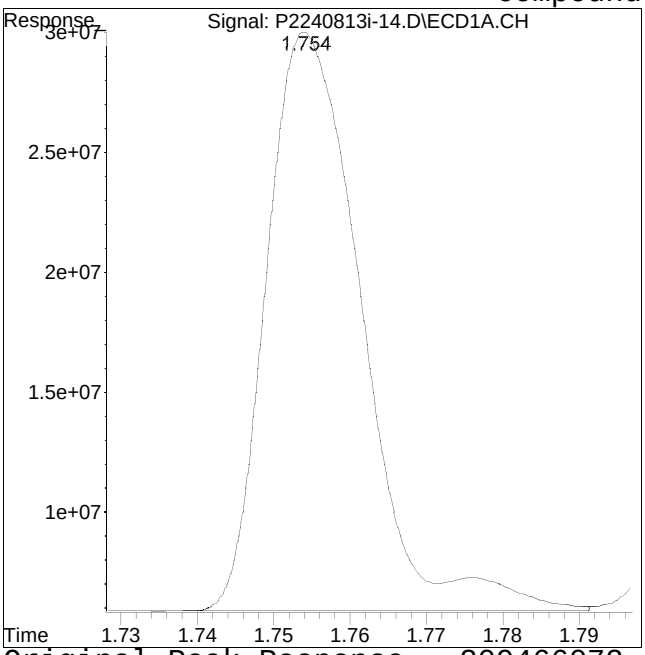


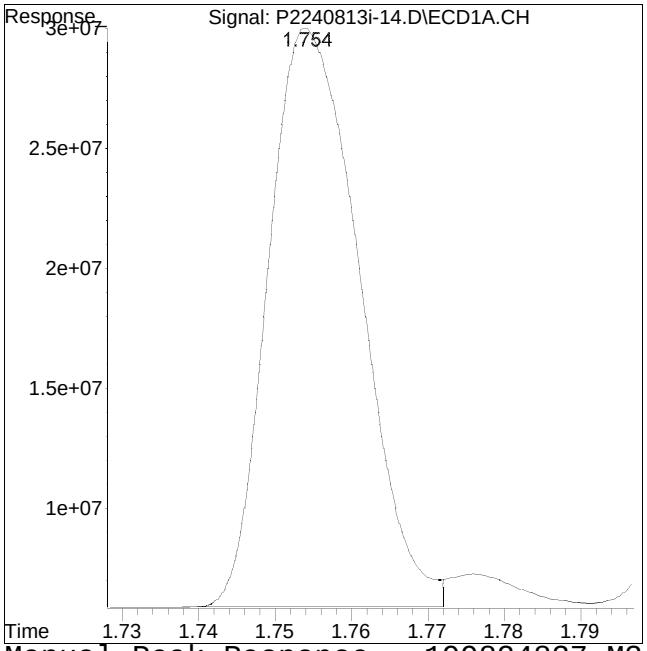
Original Peak Response = 234274432 Manual Peak Response = 223026183 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #5: 1016-2



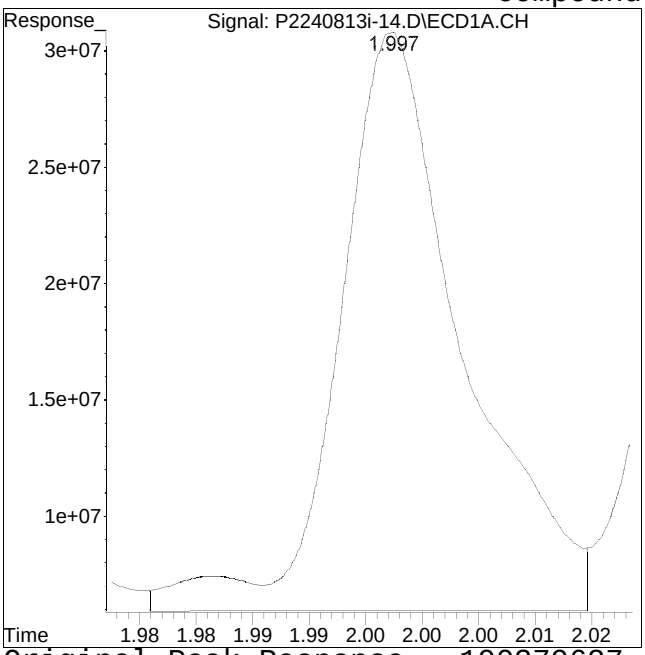


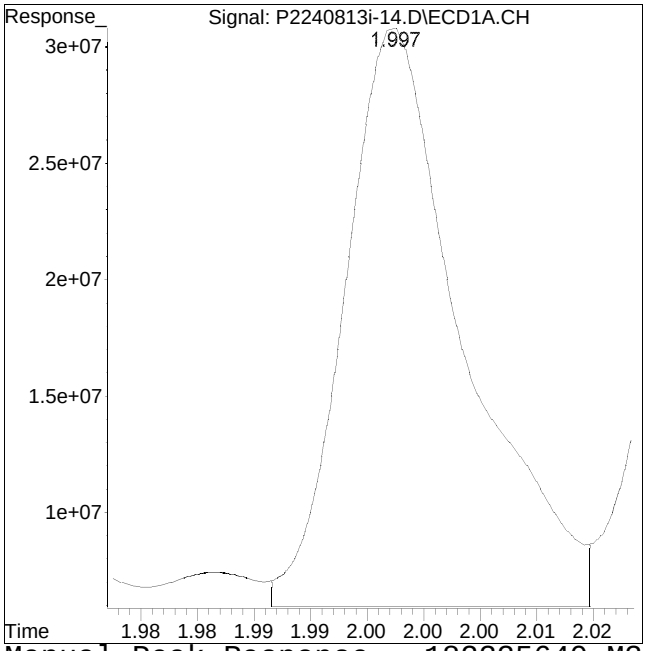
Original Peak Response = 209466072 Manual Peak Response = 199824837 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #7: 1016-4



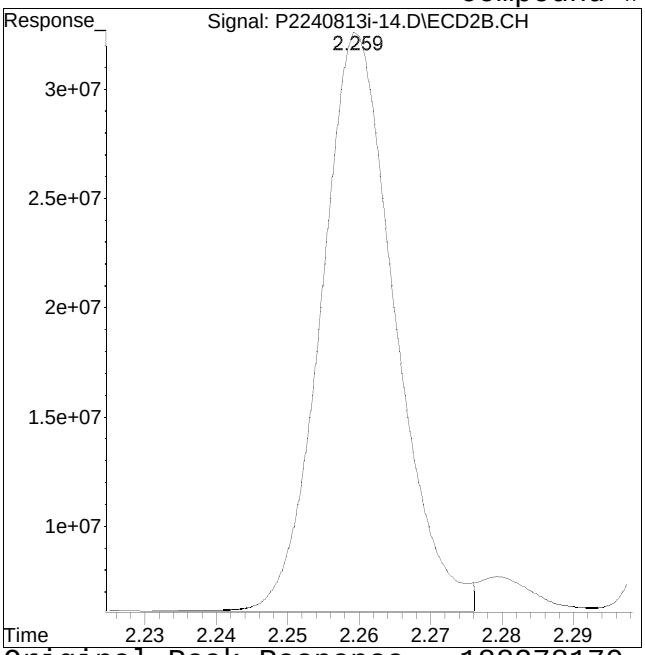


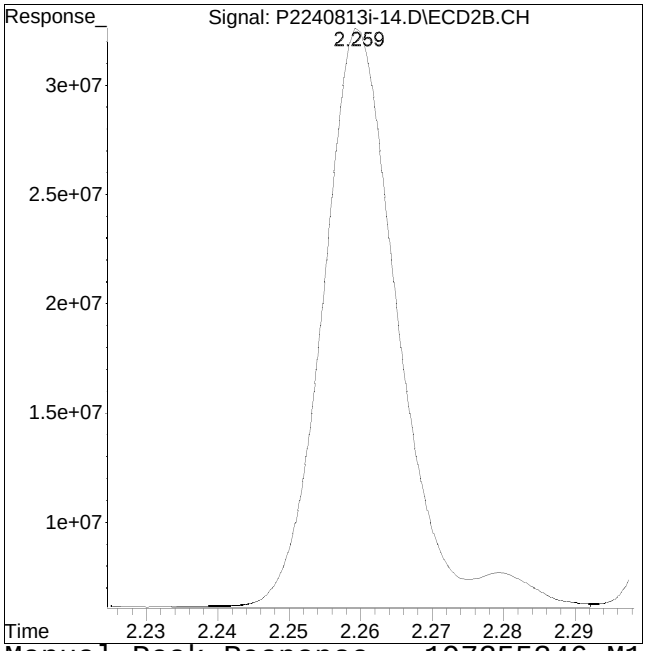
Original Peak Response = 190379627 Manual Peak Response = 182335640 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #58: 1016-4 #2



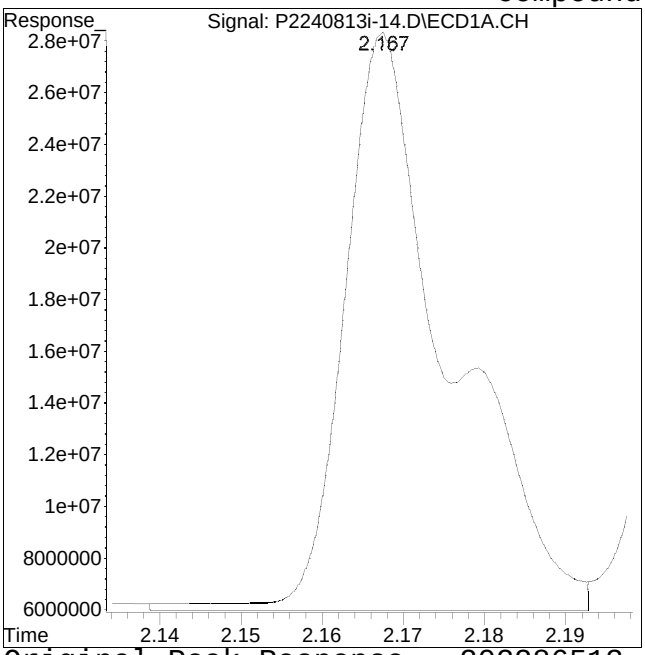


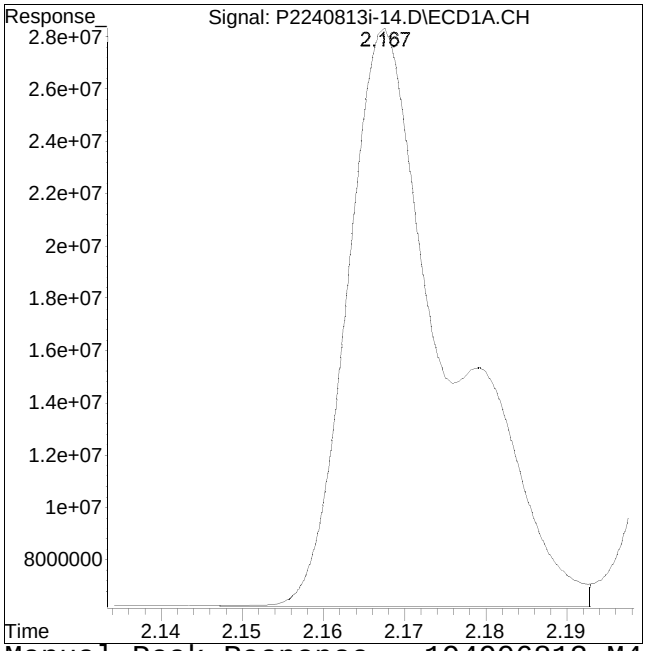
Original Peak Response = 188278170 Manual Peak Response = 197355346 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



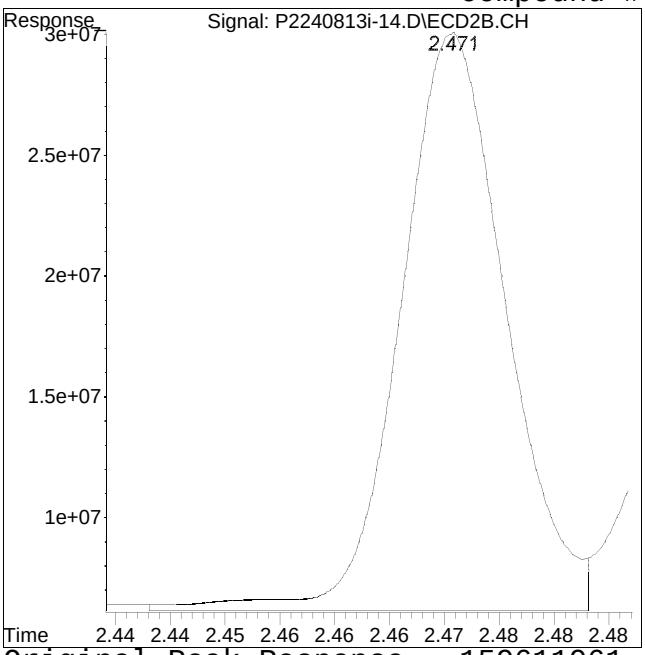


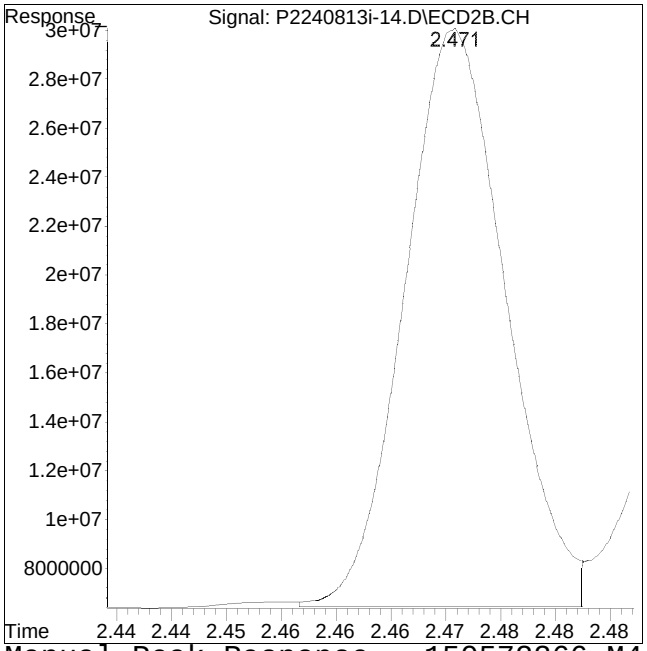
Original Peak Response = 202286513 Manual Peak Response = 194906813 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



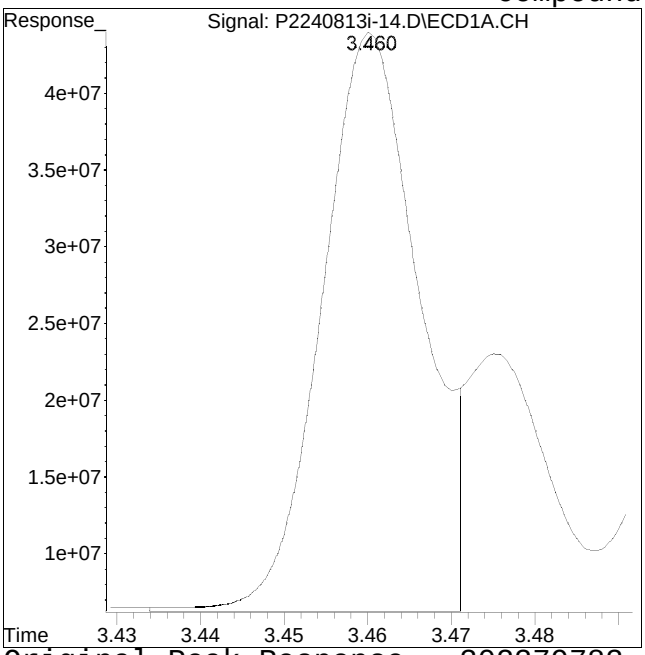


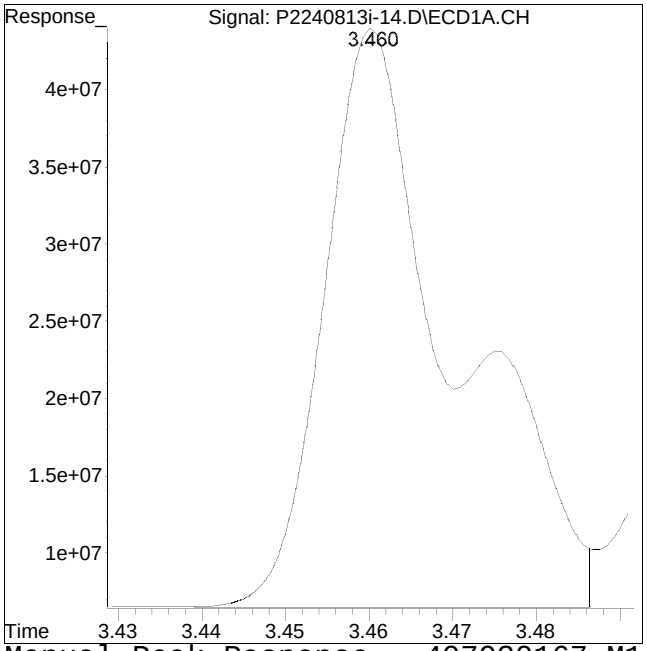
Original Peak Response = 159611961 Manual Peak Response = 150572266 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-14.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:39 Instrument : Pest 2
Sample : il61660,42e,,pp 11664 L500Quant Date : 8/13/2024 12:58 pm

Compound #13: 1260-5





Original Peak Response = 302379783 Manual Peak Response = 407930167 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.194	1.259	182.5E6	226.3E6	25.000	25.000
14) i	2154_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
23) i	4268_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
34) i	1248_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
40) i	3262_1br2nb	0.000	0.000	0	0	N.D. d	N.D. d
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.630	777.1E6	834.7E6	61.345M3	51.002
	Spiked Amount 20.000	Range 30 - 150		Recovery =		306.73%#	255.01%#
3) s	Decachlorobi	4.045	4.554	1080.3E6	1036.7E6	125.735	117.839
	Spiked Amount 20.000	Range 30 - 150		Recovery =		628.67%#	589.19%#
	Target Compounds						
4) l1	1016-1	1.614	1.828	196.6E6	216.2E6	630.900M3	358.265
5) l1	1016-2	1.754	1.999	396.8E6	464.6E6	877.753M3	255.250
6) l1	1016-3	1.943	2.200	912.2E6	964.6E6	945.174M3	592.447
7) l1	1016-4	1.998	2.260	362.4E6	388.6E6	794.503M3	395.654
8) l1	1016-5	2.168	2.471	384.5E6	293.8E6	390.635M4	440.701M4
	Sum 1016-1			2252.6E6	2327.9E6	3638.966	2042.317 D
	Average 1016-1					727.793	408.463 D
9) l2	1260-1	2.712	3.081	547.2E6	576.7E6	805.720	667.724
10) l2	1260-2	2.841	3.182	830.5E6	695.0E6	782.769M3	553.601
11) l2	1260-3	3.158	3.575	536.0E6	567.3E6	897.112	571.726
12) l2	1260-4	3.313	3.704	1151.7E6	1154.7E6	1020.672M3	871.102

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2	1260-5	3.462	3.906	835.9E6	817.0E6	1196.300	540.035
Sum	1260-1			3901.4E6	3810.7E6	NoCal	NoCal D
Average	1260-1					940.515	640.838
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument							
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

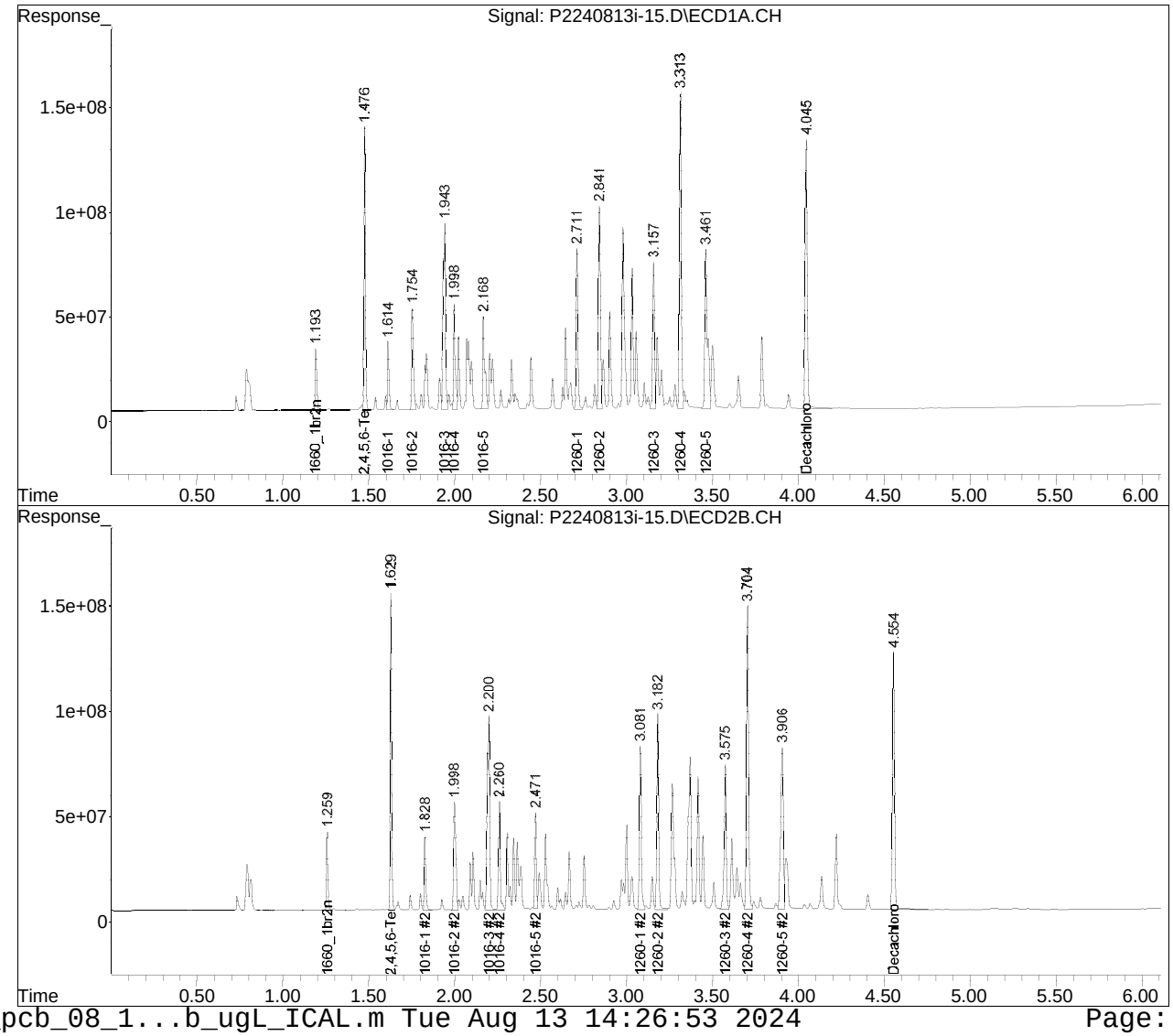
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-15.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:48
Operator : pest2:rmp
Sample : il71660,42e,,pp 11664 L1000LVI
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 12:58:41 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 12:58:38 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

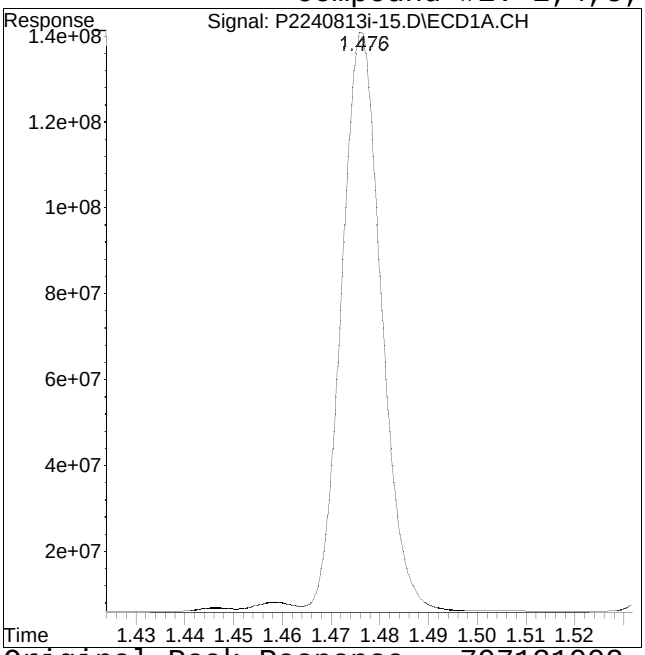
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

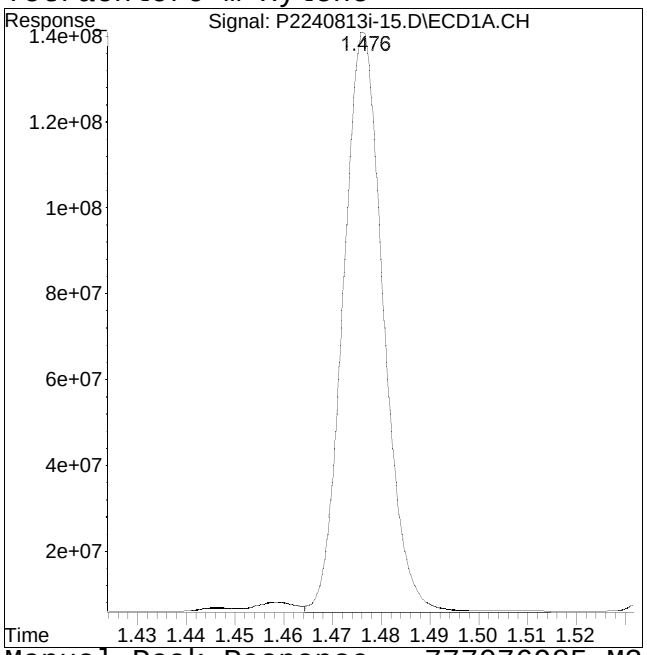


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



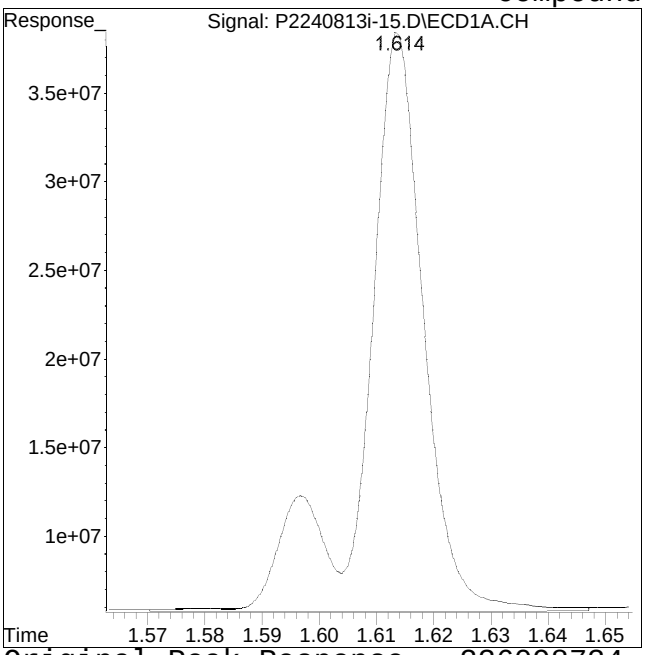


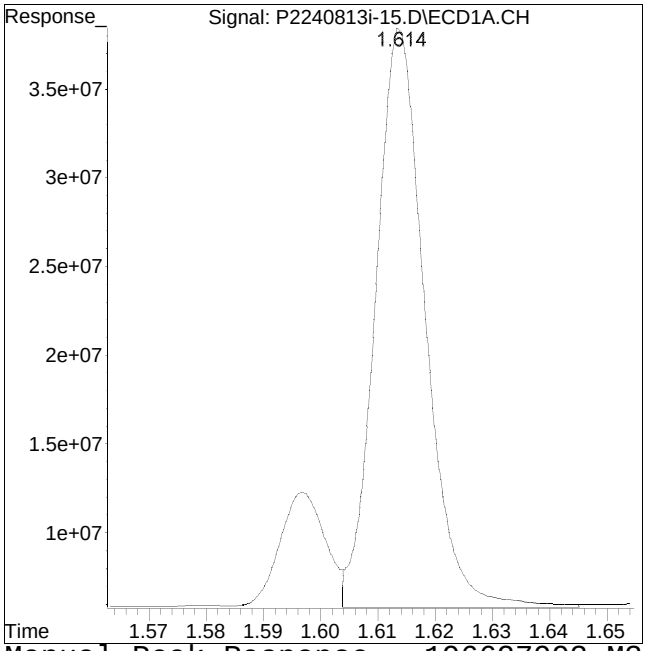
Original Peak Response = 797131902 Manual Peak Response = 777076985 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #4: 1016-1



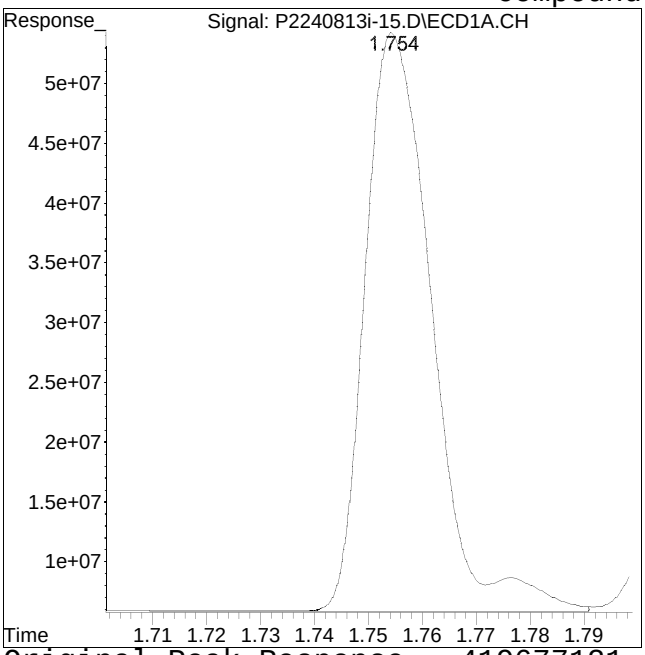


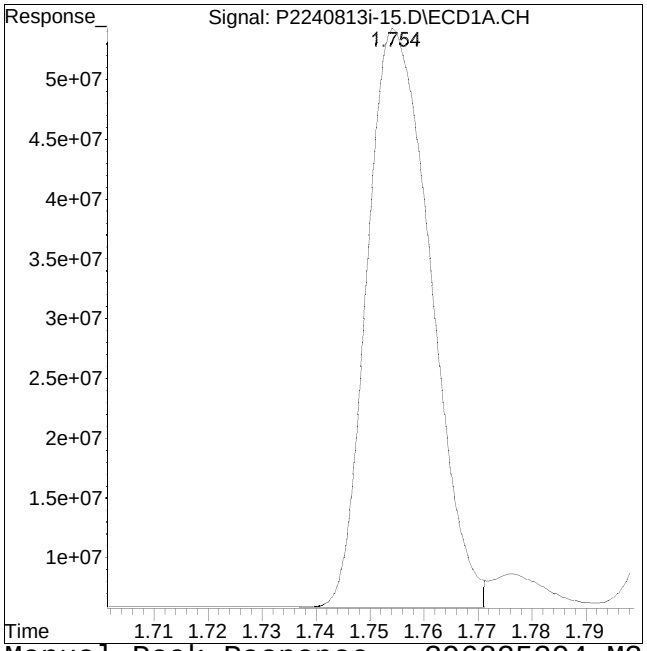
Original Peak Response = 236098734 Manual Peak Response = 196627993 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #5: 1016-2



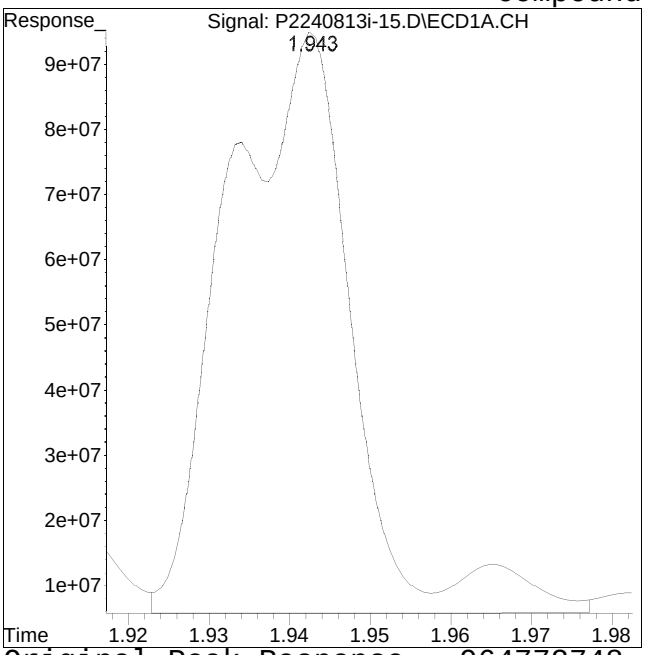


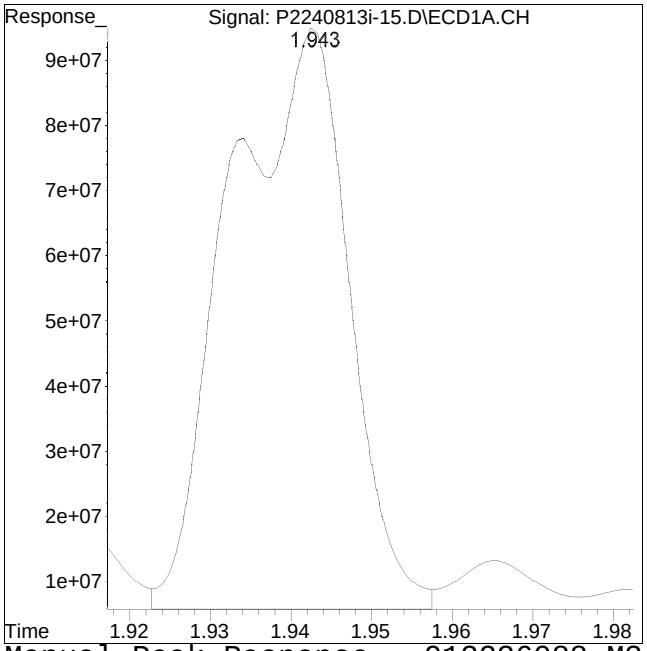
Original Peak Response = 419677121 Manual Peak Response = 396825394 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #6: 1016-3



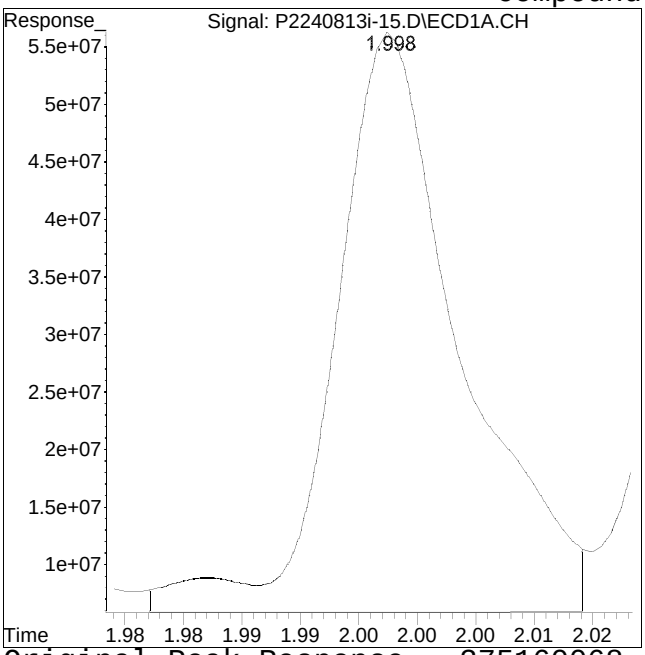


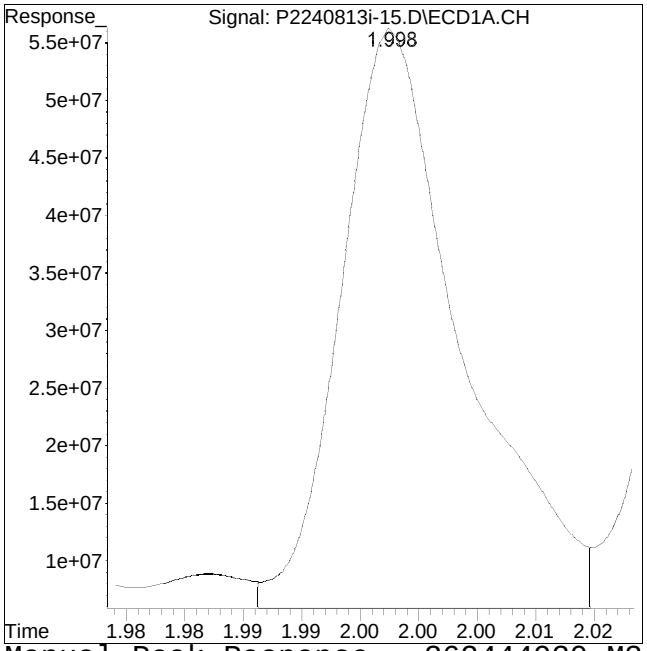
Original Peak Response = 964772748 Manual Peak Response = 912236088 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #7: 1016-4



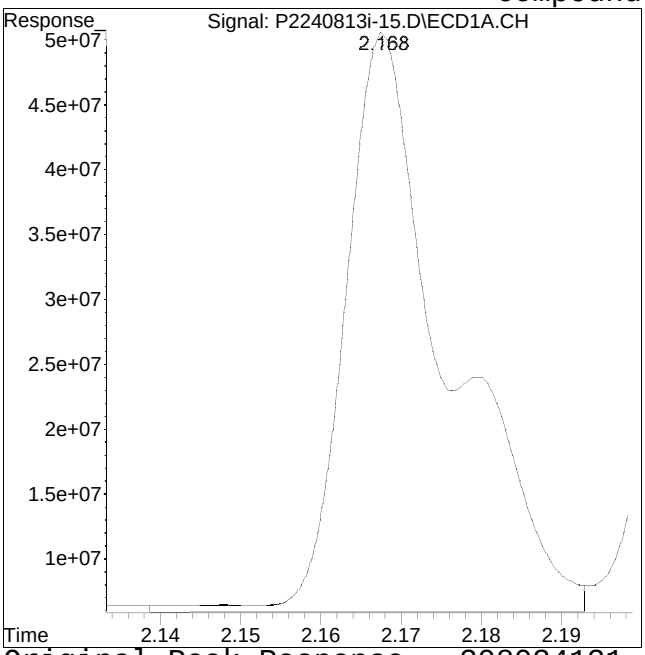


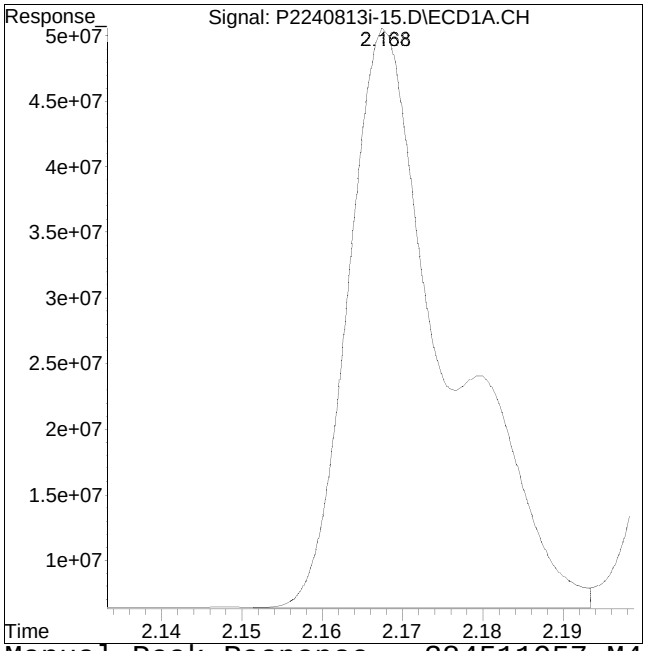
Original Peak Response = 375160068 Manual Peak Response = 362444930 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #8: 1016-5



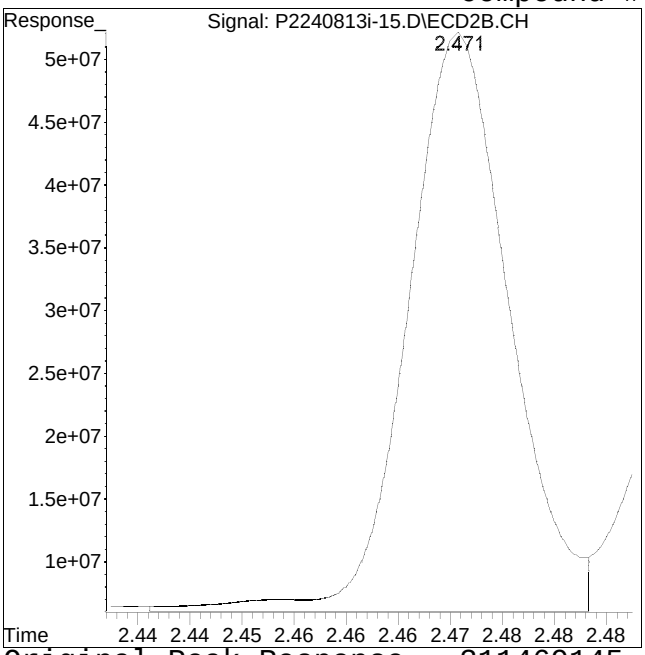


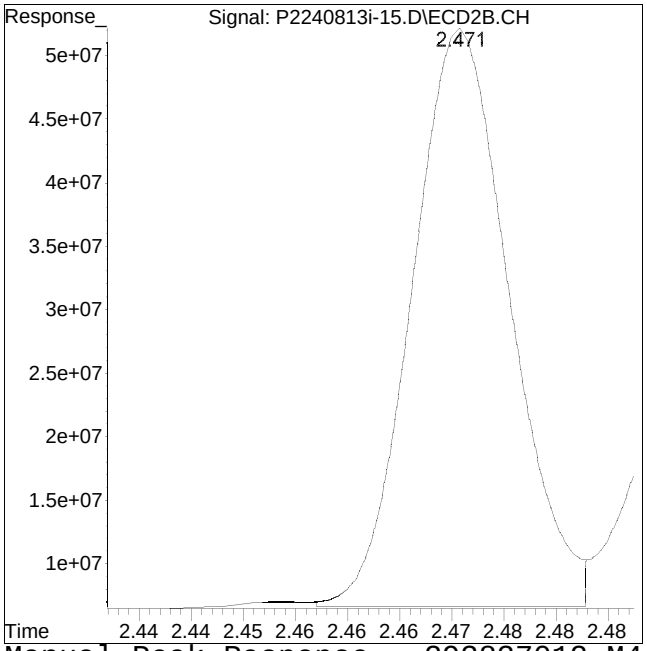
Original Peak Response = 398034131 Manual Peak Response = 384511957 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #59: 1016-5 #2



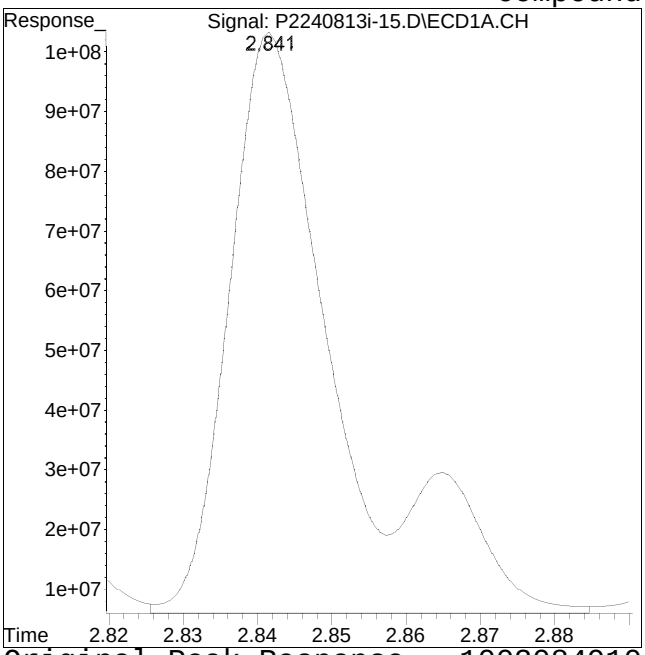


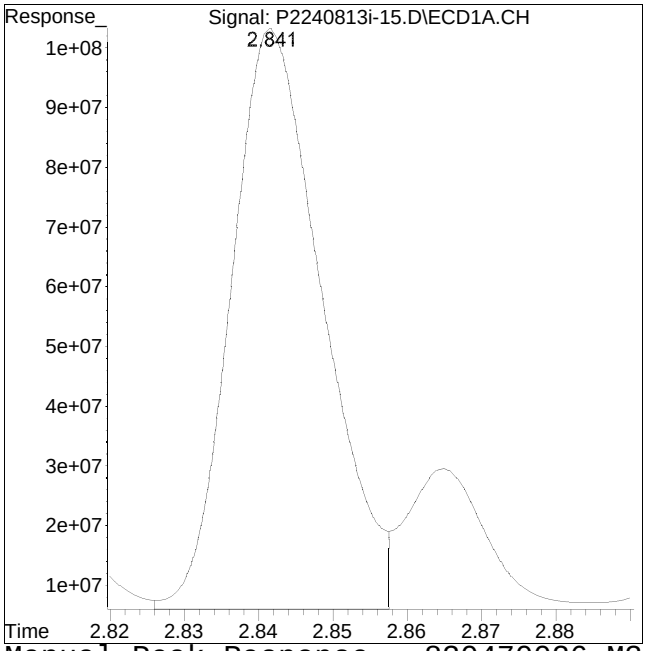
Original Peak Response = 311469145 Manual Peak Response = 293837012 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #10: 1260-2



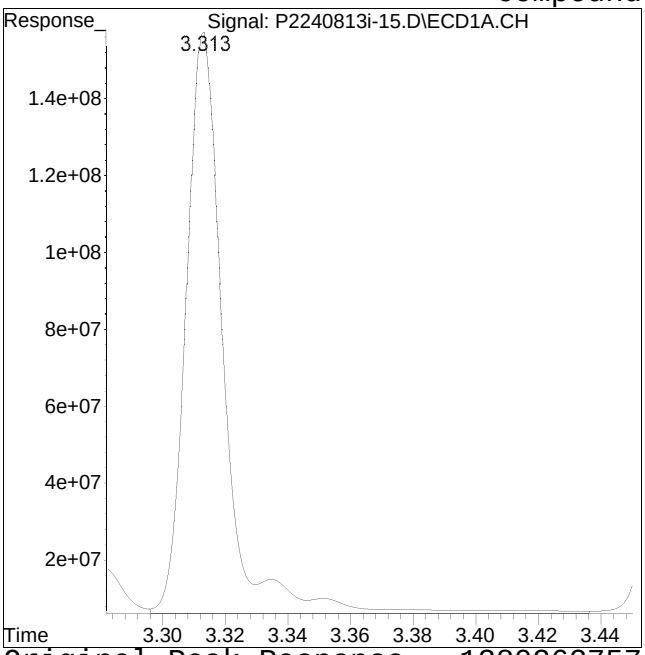


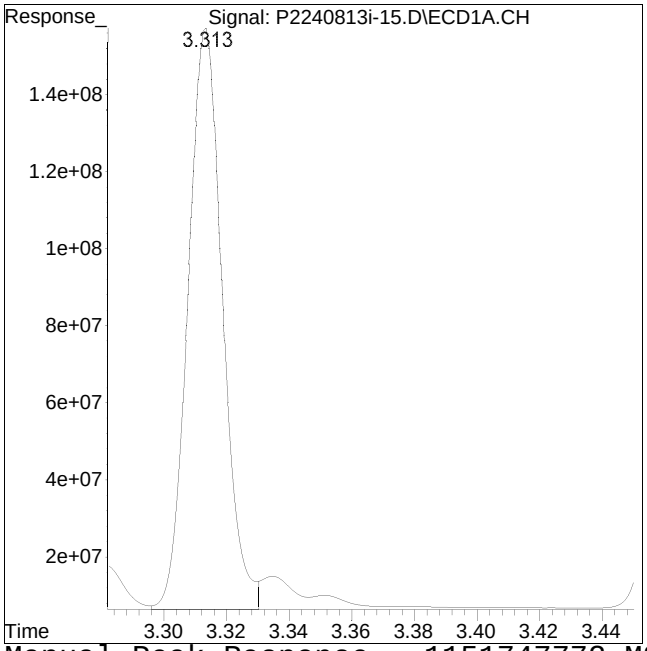
Original Peak Response = 1003084910 Manual Peak Response = 830470026 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-15.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:48 Instrument : Pest 2
Sample : il71660,42e,,pp 11664 L100Quant Date : 8/13/2024 12:58 pm

Compound #12: 1260-4





Original Peak Response = 1280262757 Manual Peak Response = 1151747772 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Initial Calibration Verification

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	102	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.605	0.3	108	0.00
3	s	Decachlorobiphenyl		1.174	1.839	-56.6#	170#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
24	l6	1242-1		0.021	0.023	-9.5	106	0.00
25	l6	1242-2		0.043	0.047	-9.3	105	0.00
26	l6	1242-3		0.093	0.102	-9.7	106	0.00
27	l6	1242-4		0.040	0.043	-7.5	105	0.00
28	l6	1242-5		0.031	0.033	-6.5	104	0.00
29	l9	1268-1		0.201	0.231	-14.9	111	0.00
30	l9	1268-2		0.195	0.218	-11.8	109	0.00
31	l9	1268-3		0.155	0.159	-2.6	100	0.00
32	l9	1268-4		0.072	0.073	-1.4	99	0.00
33	l9	1268-5		0.471	0.453	3.8	94	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	103	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.503	0.5	110	0.00
3	s	Decachlorobiphenyl		1.009	1.477	-46.4#	167#	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	100	0.00
24	l6	1242-1		0.020	0.022	-10.0	108	0.00
25	l6	1242-2		0.044	0.049	-11.4	110	0.00
26	l6	1242-3		0.089	0.097	-9.0	109	0.00
27	l6	1242-4		0.035	0.038	-8.6	107	0.00
28	l6	1242-5		0.029	0.032	-10.3	111	0.00
29	l9	1268-1		0.174	0.202	-16.1	116	0.00
30	l9	1268-2		0.158	0.178	-12.7	112	0.00
31	l9	1268-3		0.131	0.136	-3.8	104	0.00
32	l9	1268-4		0.060	0.061	-1.7	101	0.00
33	l9	1268-5		0.383	0.374	2.3	98	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	106	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4	0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5	0.104	0.000	100.0#	0#	-2.98#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample   : cicv4268,42,,pp11623
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	192.8E6	231.4E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	198.0E6	222.6E6	15.951M4	15.914
	Spiked Amount	20.000	Range 30 - 150		Recovery =	79.75%	79.57%
3) s	Decachlorobi	4.044	4.555	453.9E6	437.6E6	50.122	46.865
	Spiked Amount	20.000	Range 30 - 150		Recovery =	250.61%#	234.33%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	1.614	1.828	43860735	49886829	273.158	270.100
25) l6	1242-2	1.754	1.999	90218302	112.6E6	270.729M3	275.232
26) l6	1242-3	1.943	2.200	196.5E6	223.3E6	272.695	271.624
27) l6	1242-4	1.998	2.259	83662335	87060915	269.690	265.960M3
28) l6	1242-5	2.351	2.646	63914427	74093486	267.539	276.189
Sum	1242-1			478.1E6	547.0E6	1353.811	1359.105
Average	1242-1					270.762	271.821
29) l9	1268-1	3.476	3.901	445.1E6	467.3E6	286.846M3	290.480
30) l9	1268-2	3.497	3.927	421.0E6	411.1E6	280.008	280.642
31) l9	1268-3	3.600	4.069	307.1E6	313.9E6	257.659	258.561
32) l9	1268-4	3.787	4.221	141.5E6	140.5E6	254.928	251.015
33) l9	1268-5	3.941	4.407	874.2E6	866.7E6	240.861	244.594

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1268-1			2188.9E6	2199.6E6	1320.303	1325.292
Average	1268-1					264.061	265.058
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

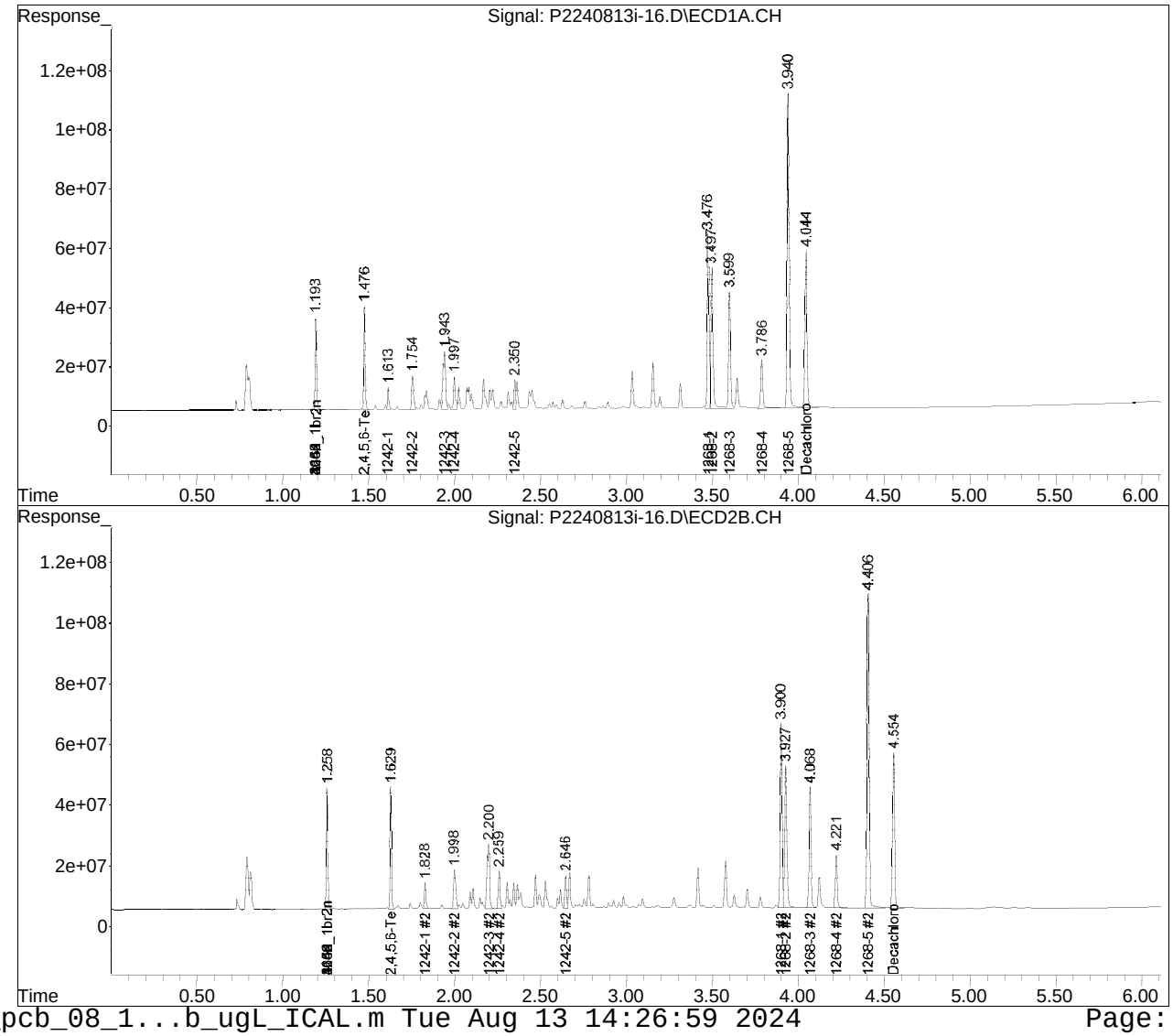
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-16.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 11:58
Operator : pest2:rmp
Sample : cicv4268,42,,pp11623
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:35:59 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

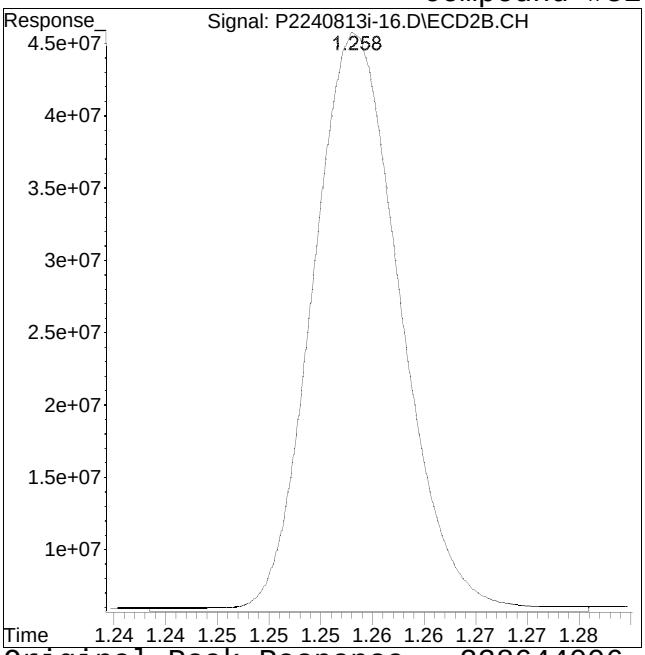
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

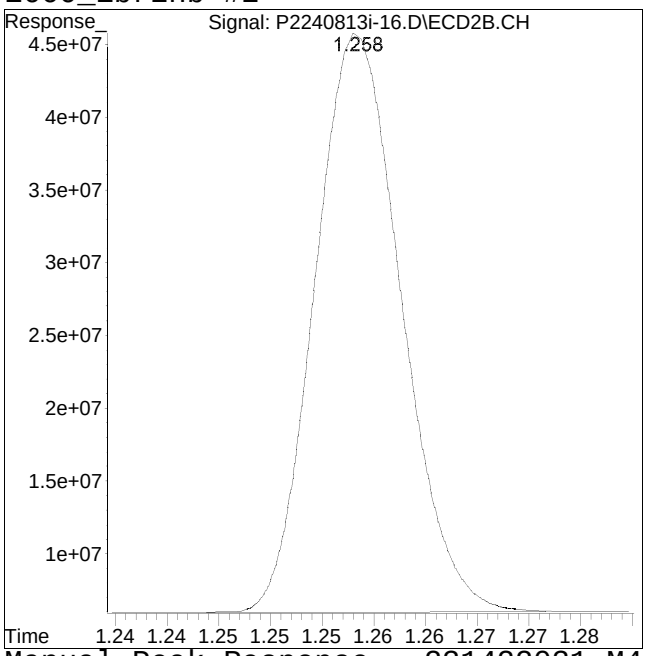


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #52: 1660_1br2nb #2



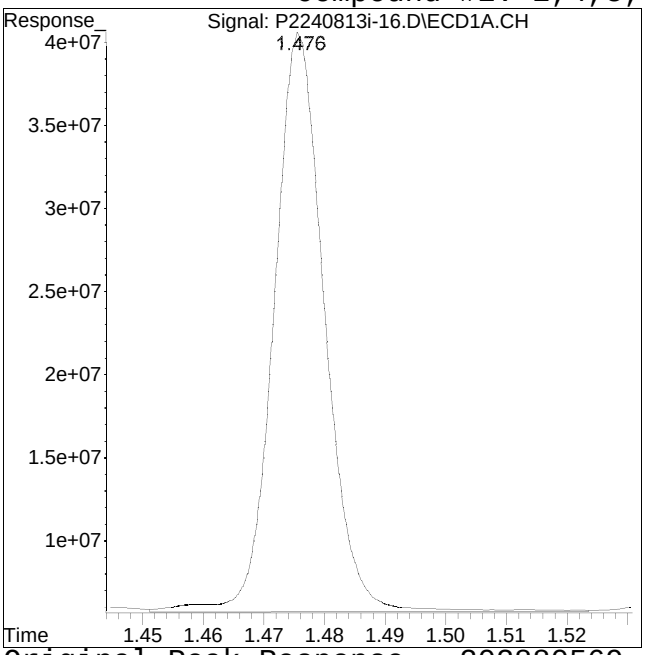


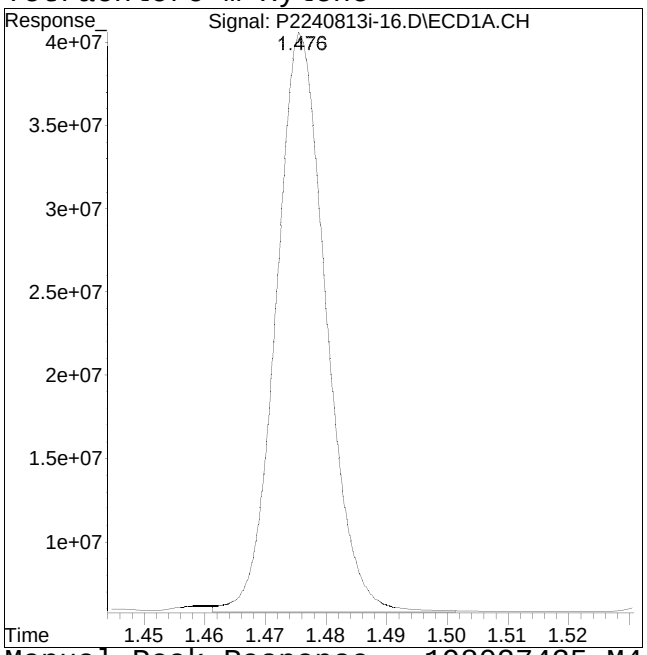
Original Peak Response = 238644006 Manual Peak Response = 231422031 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



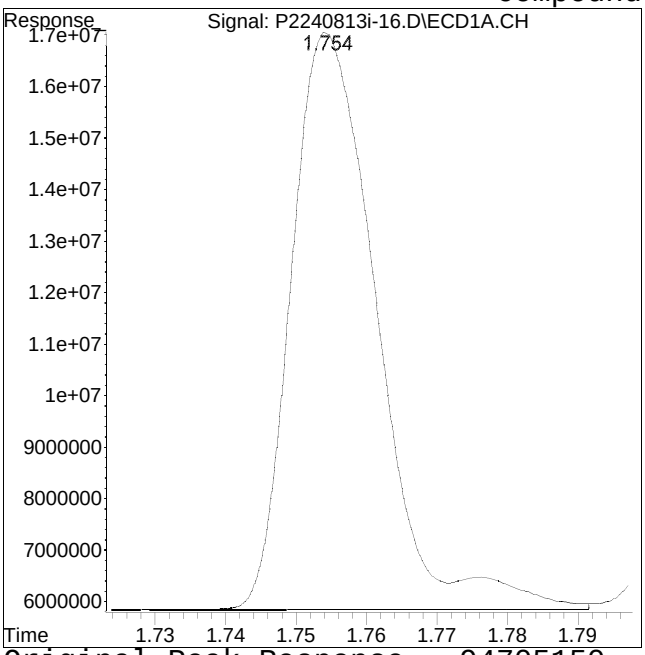


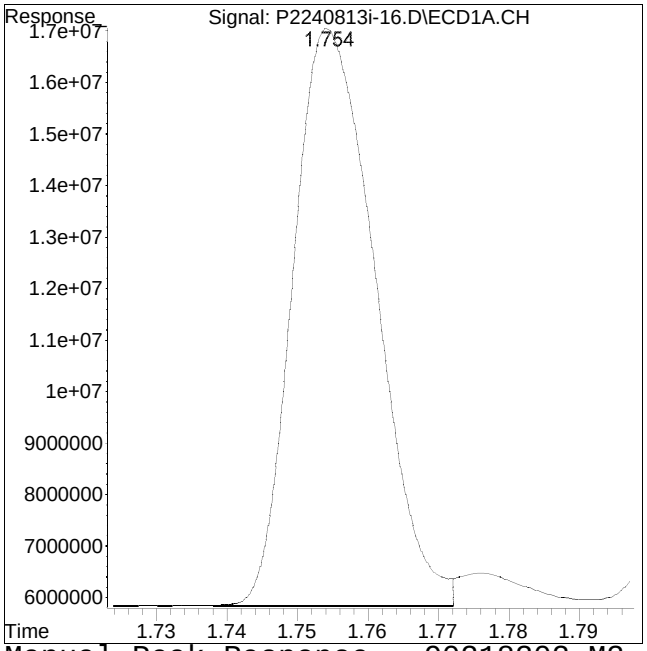
Original Peak Response = 202880569 Manual Peak Response = 198027435 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #25: 1242-2



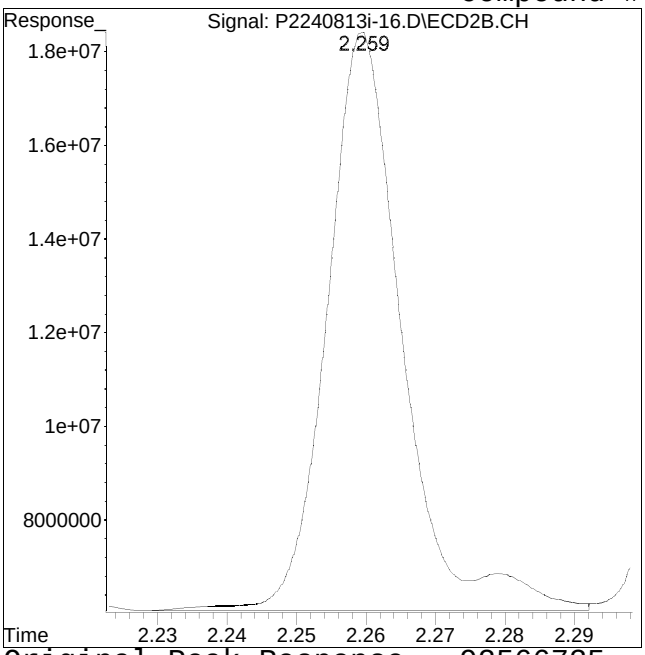


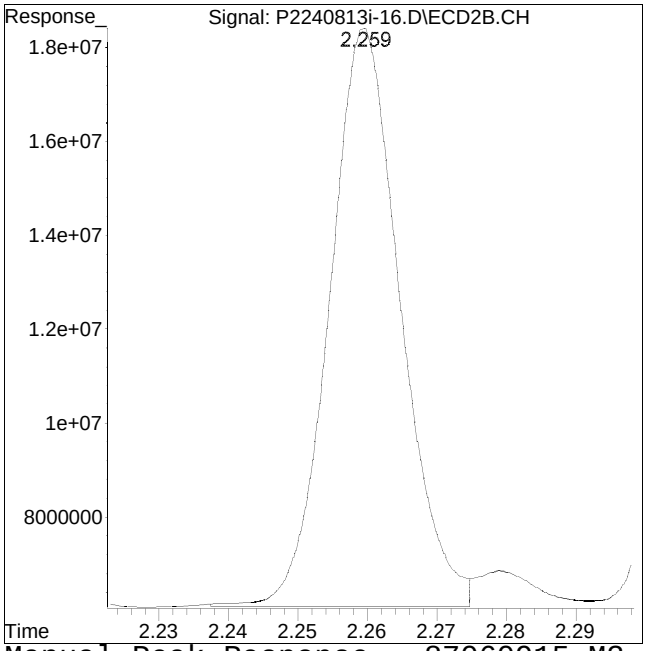
Original Peak Response = 94705150 Manual Peak Response = 90218302 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #78: 1242-4 #2



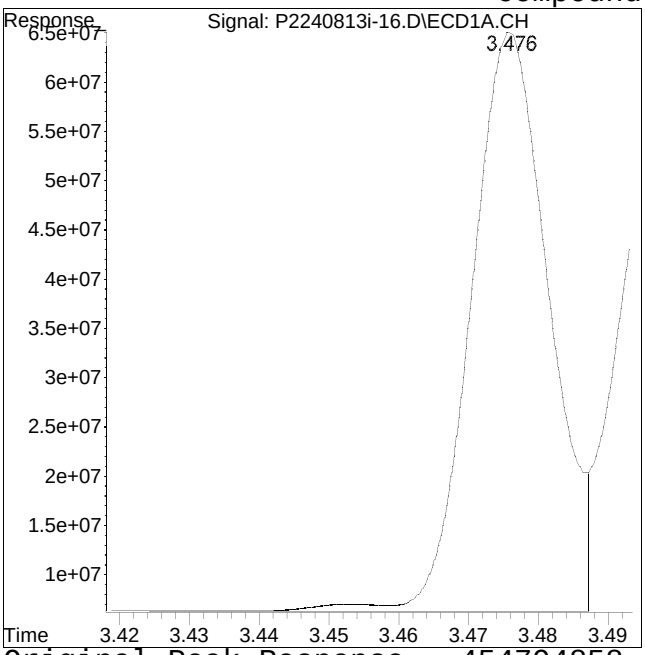


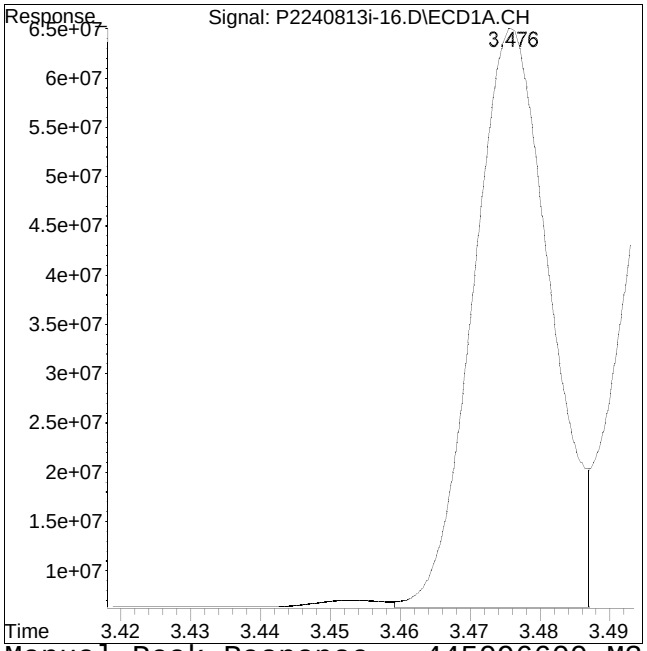
Original Peak Response = 92566735 Manual Peak Response = 87060915 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-16.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 11:58 Instrument : Pest 2
Sample : cicv4268,42,,pp11623 Quant Date : 8/13/2024 1:35 pm

Compound #29: 1268-1





Original Peak Response = 454794858 Manual Peak Response = 445096600 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	96	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.593	1.1	100	0.00
3	s	Decachlorobiphenyl		1.174	1.197	-2.0	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	95	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	91	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	97	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	100	0.00
41	l5	1232-1		0.031	0.035	-12.9	111	0.00
42	l5	1232-2		0.026	0.027	-3.8	103	0.00
43	l5	1232-3		0.058	0.058	0.0	99	0.00
44	l5	1232-4		0.025	0.026	-4.0	104	0.00
45	l5	1232-5		0.017	0.019	-11.8	113	0.00
46	l8	1262-1		0.089	0.083	6.7	93	0.00
47	l8	1262-2		0.113	0.106	6.2	93	0.00
48	l8	1262-3		0.098	0.092	6.1	93	0.00
49	l8	1262-4		0.184	0.178	3.3	96	0.00
50	l8	1262-5		0.061	0.058	4.9	95	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.434	5.1	100	0.00
3	s	Decachlorobiphenyl		1.009	0.960	4.9	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	98	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
23	i	4268_1br2nb	^	1.000	1.000	0.0	96	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	101	0.00
41	l5	1232-1		0.029	0.032	-10.3	111	0.00
42	l5	1232-2		0.029	0.029	0.0	102	0.00
43	l5	1232-3		0.054	0.054	0.0	102	0.00
44	l5	1232-4		0.022	0.023	-4.5	104	0.00
45	l5	1232-5		0.016	0.018	-12.5	109	0.00
46	l8	1262-1		0.068	0.066	2.9	98	0.00
47	l8	1262-2		0.088	0.085	3.4	98	0.00
48	l8	1262-3		0.082	0.080	2.4	99	0.00
49	l8	1262-4		0.151	0.151	0.0	101	0.00
50	l8	1262-5		0.056	0.055	1.8	99	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1	0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2	0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3	0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4	0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5	0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1	0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2	0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3	0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4	0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5	0.031	0.000	100.0#	0#	-2.35#
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample   : cicv3262,42,,pp11622
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
12 l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13 l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15 l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16 l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17 l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	180.9E6	221.7E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.476	1.629	184.4E6	203.5E6	15.829M3	15.189
	Spiked Amount	20.000	Range 30 - 150		Recovery =	79.14%	75.94%
3) s	Decachlorobi	4.045	4.554	277.0E6	272.5E6	32.604	30.463
	Spiked Amount	20.000	Range 30 - 150		Recovery =	163.02%#	152.32%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Sum 1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	1.613	1.828	62572906	70149079	279.054M3	275.415
42) l5 1232-2	1.755	1.999	49019122	64092354	257.830	251.091
43) l5 1232-3	1.943	2.201	104.2E6	120.8E6	248.093	251.950
44) l5 1232-4	1.997	2.260	46271422	50634720	260.875M1	256.983
45) l5 1232-5	2.350	2.647	33915434	38865180	283.561	268.330
Sum 1232-1			296.0E6	344.6E6	1329.412	1303.768
Average 1232-1					265.882	260.754
46) l8 1262-1	2.841	3.182	150.2E6	146.6E6	233.986	241.681
47) l8 1262-2	3.033	3.416	191.7E6	188.8E6	234.438	241.835
48) l8 1262-3	3.157	3.575	166.0E6	178.1E6	234.530	243.971
49) l8 1262-4	3.313	3.704	321.8E6	334.8E6	241.322	250.471
50) l8 1262-5	3.787	4.220	105.2E6	122.8E6	238.436	245.850
Sum 1262-1			935.0E6	971.2E6	1182.713	1223.808
Average 1262-1					236.543	244.762
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			935.0E6	971.2E6	1182.713	1223.808
Average 1262-1					236.543	244.762

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

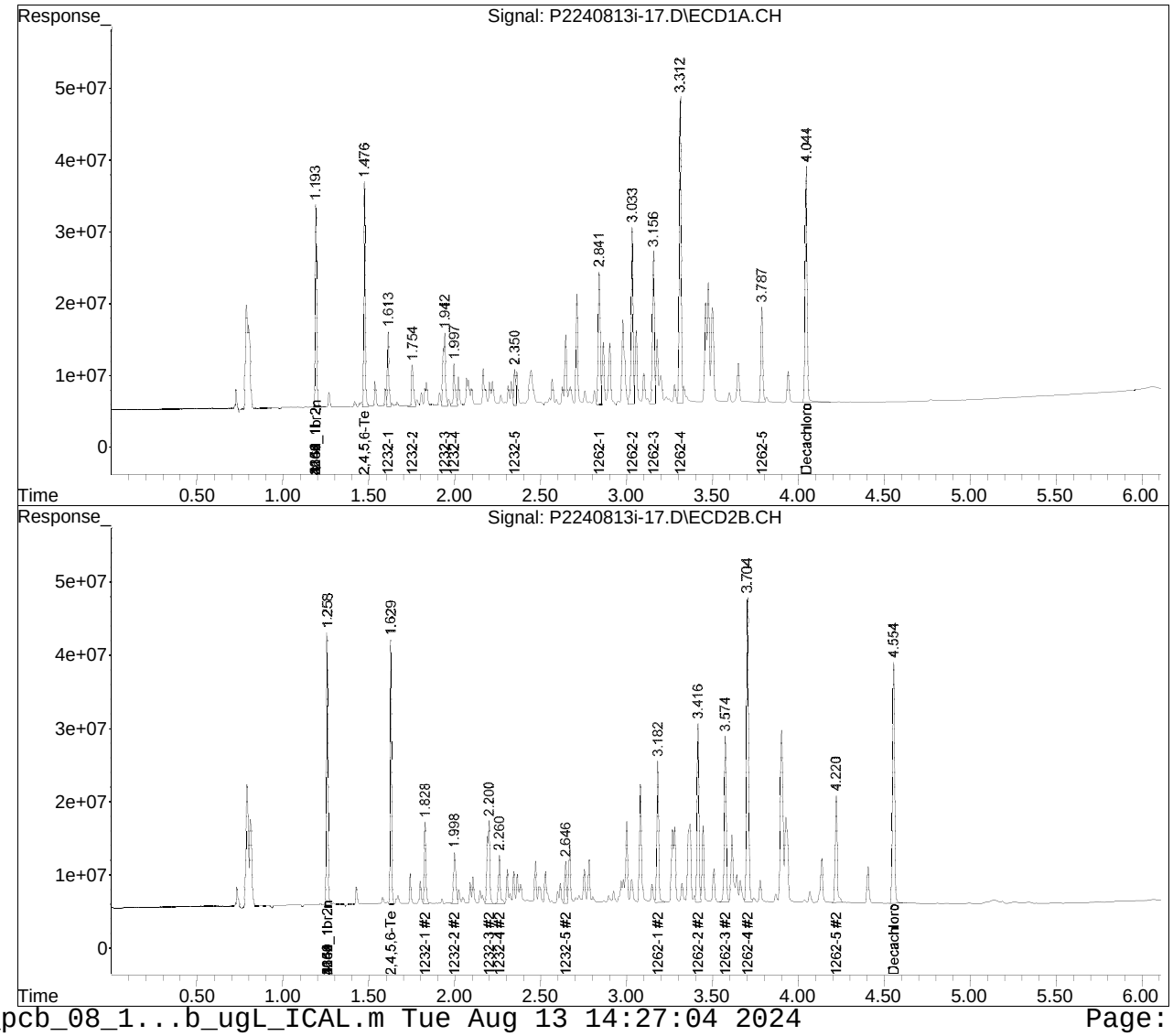
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-17.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:07
Operator : pest2:rmp
Sample : cicv3262,42,,pp11622
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:38:02 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

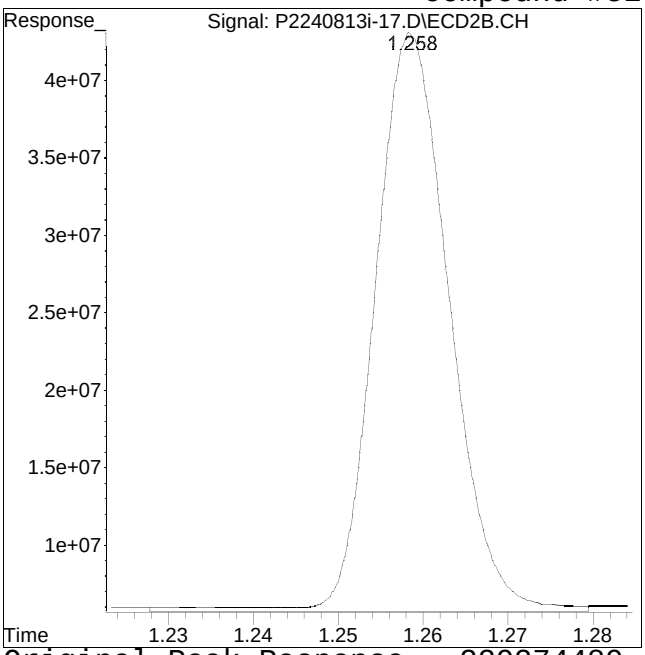
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

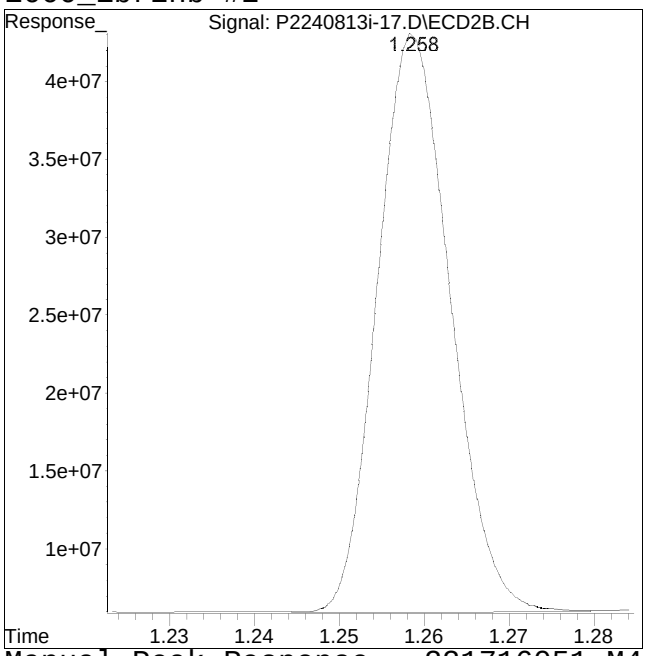


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #52: 1660_1br2nb #2



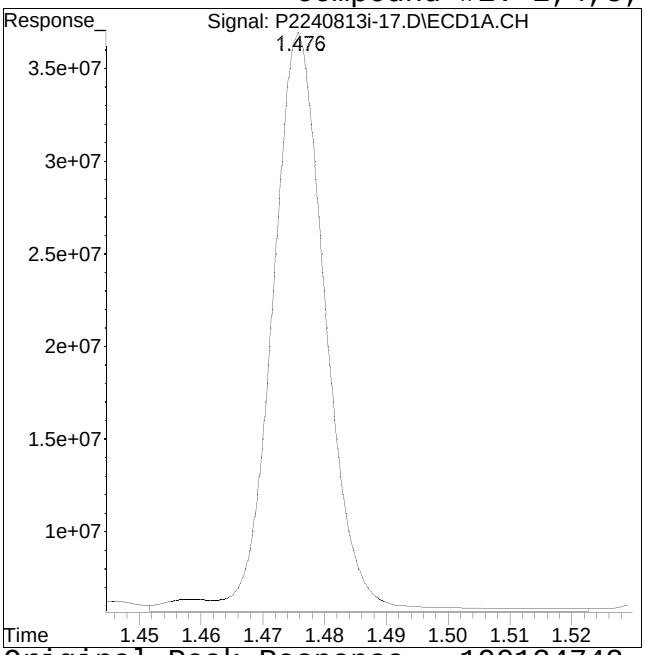


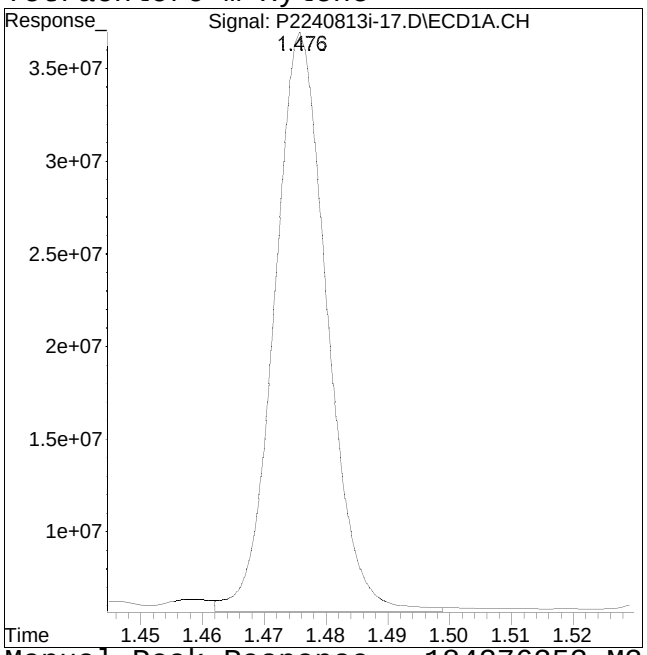
Original Peak Response = 229274489 Manual Peak Response = 221716051 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



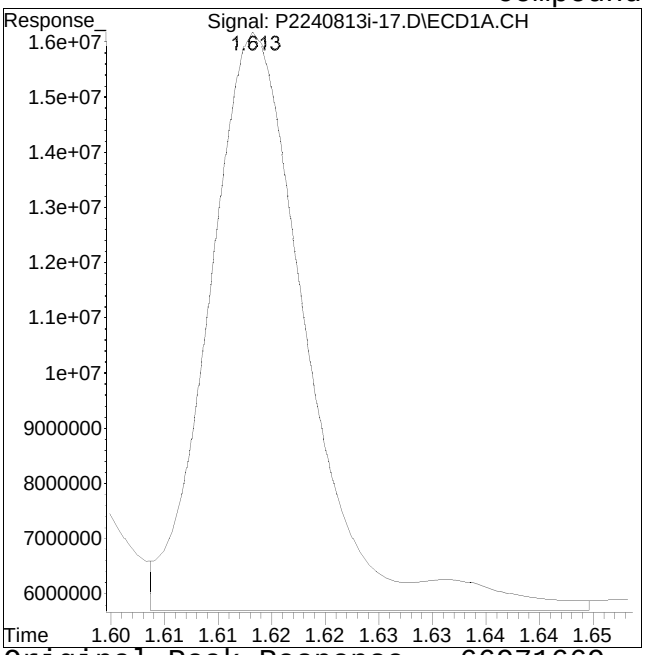


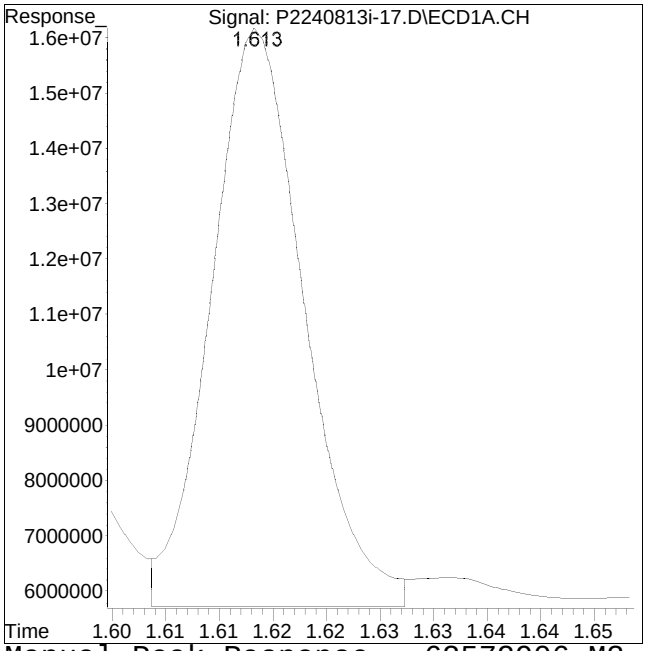
Original Peak Response = 190124742 Manual Peak Response = 184376353 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #41: 1232-1



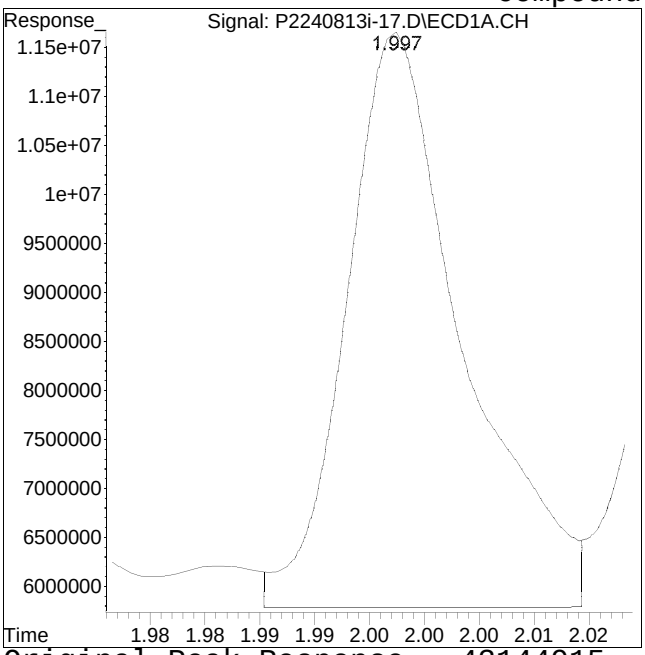


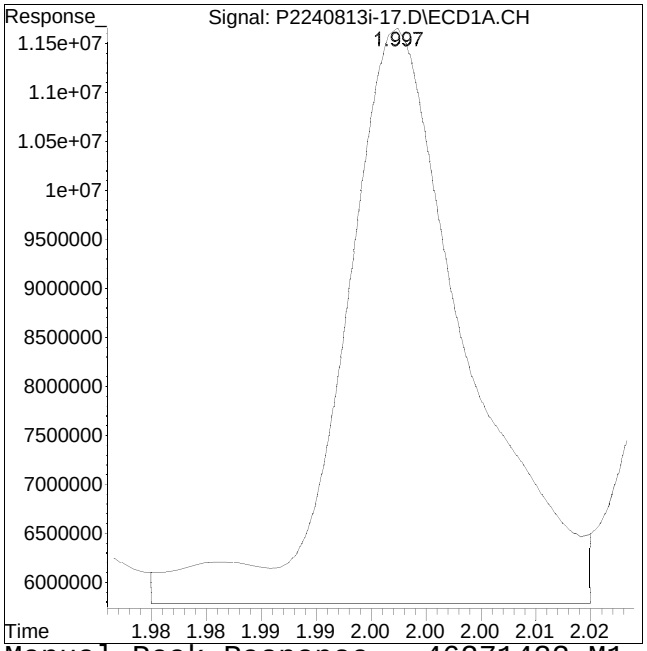
Original Peak Response = 66971669 Manual Peak Response = 62572906 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-17.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:07 Instrument : Pest 2
Sample : cicv3262,42,,pp11622 Quant Date : 8/13/2024 1:38 pm

Compound #44: 1232-4





Original Peak Response = 43144915 Manual Peak Response = 46271422 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	98	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.571	2.4	101	0.00
3	s	Decachlorobiphenyl		1.174	1.151	2.0	102	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	97	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	93	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	98	0.00
35	l7	1248-1		0.060	0.070	-16.7	116	0.00
36	l7	1248-2		0.078	0.075	3.8	95	0.00
37	l7	1248-3		0.069	0.068	1.4	96	0.00
38	l7	1248-4		0.058	0.060	-3.4	102	0.00
39	l7	1248-5		0.052	0.059	-13.5	113	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	99	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.434	5.1	101	0.00
3	s	Decachlorobiphenyl		1.009	0.954	5.5	104	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	99	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	103	0.00
35	l7	1248-1		0.059	0.068	-15.3	118	0.00
36	l7	1248-2		0.041	0.039	4.9	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
37	l7	1248-3		0.051	0.048	5.9	97	0.00
38	l7	1248-4		0.056	0.054	3.6	100	0.00
39	l7	1248-5		0.063	0.064	-1.6	103	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	102	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4		0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5		0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#
Signal #2							
4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.104	0.000	100.0#	0#	-3.90#
15	l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.037	0.000	100.0#	0#	-1.83#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample   : cicv1248,42,,pp11620
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
18 l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19 l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20 l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21 l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22 l4	1254-5	0.096	0.000	100.0#	0#	-3.37#
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	184.4E6	223.5E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	185.5E6	205.2E6	15.615M4	15.191M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	78.08%	75.96%
3) s	Decachlorobi	4.045	4.554	271.7E6	273.0E6	31.358	30.272
	Spiked Amount	20.000	Range 30 - 150		Recovery =	156.79%#	151.36%#
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
35)	l7 1248-1	1.942	2.200	129.1E6	151.7E6	293.331	287.589
36)	l7 1248-2	2.071	2.345	138.8E6	87201666	242.296M1	237.166
37)	l7 1248-3	2.167	2.471	125.1E6	106.9E6	244.306M4	236.567
38)	l7 1248-4	2.350	2.646	110.5E6	121.6E6	259.706	242.388
39)	l7 1248-5	2.363	2.670	109.4E6	141.9E6	286.768	250.833
	Sum 1248-1			612.9E6	609.3E6	1326.406	1254.543
Average	1248-1					265.281	250.909
41)	l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42)	l5 1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43)	l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44)	l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45)	l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46)	l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47)	l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48)	l8 1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49)	l8 1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50)	l8 1262-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

	Sum 1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

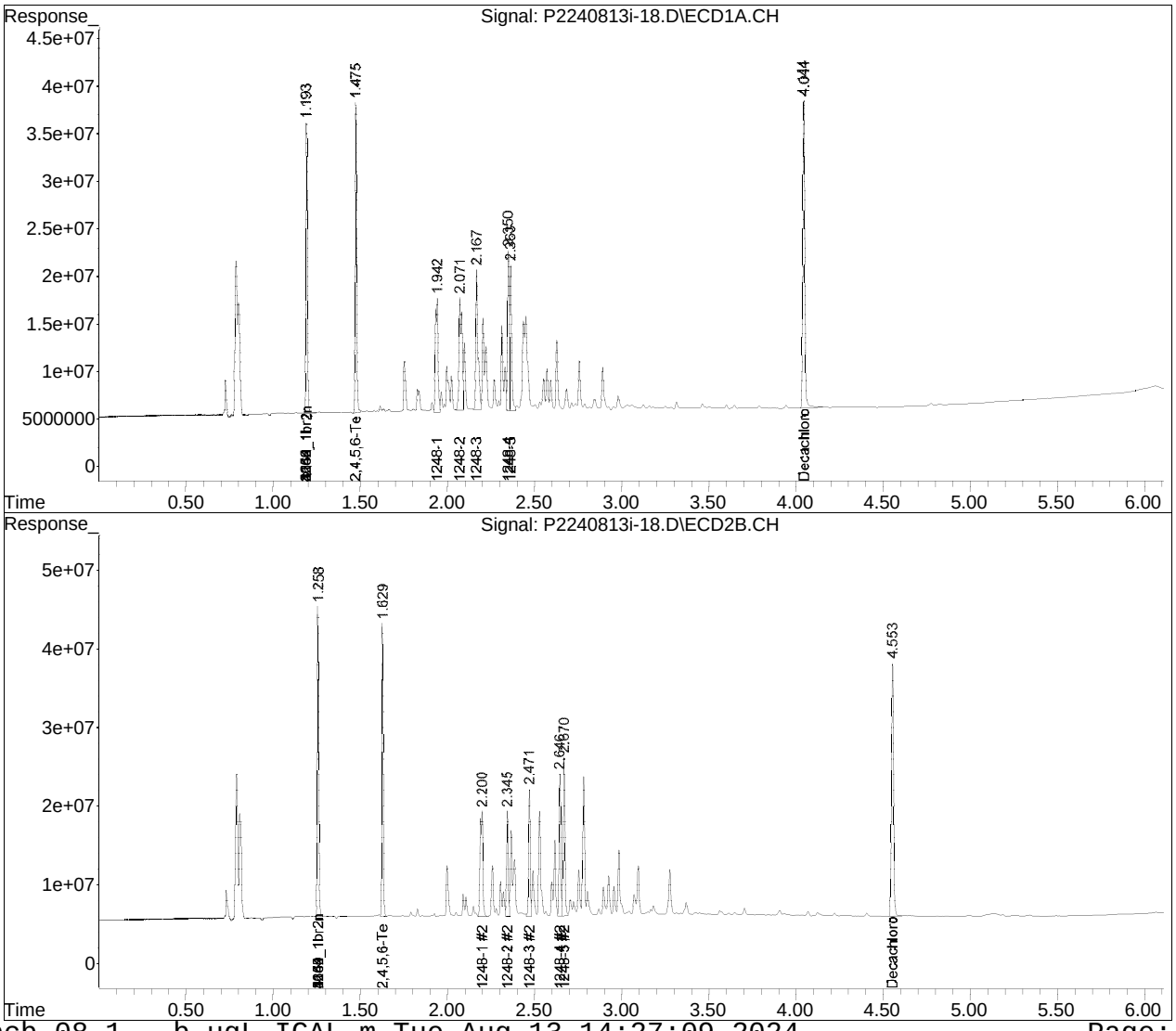
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-18.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:17
Operator : pest2:rmp
Sample : cicv1248,42,,pp11620
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:43:17 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

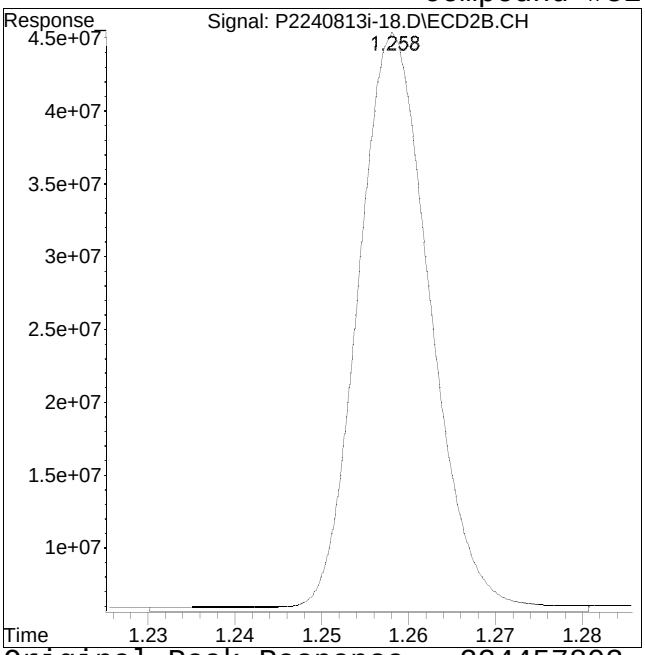
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

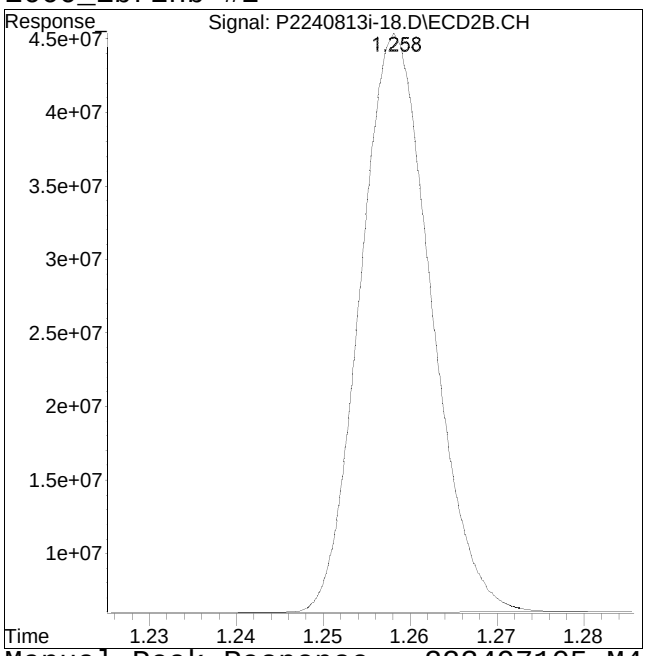


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #52: 1660_1br2nb #2



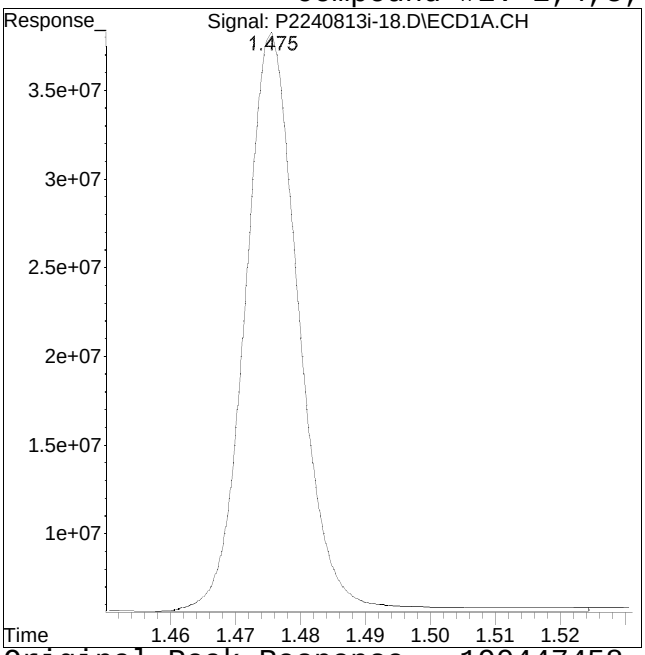


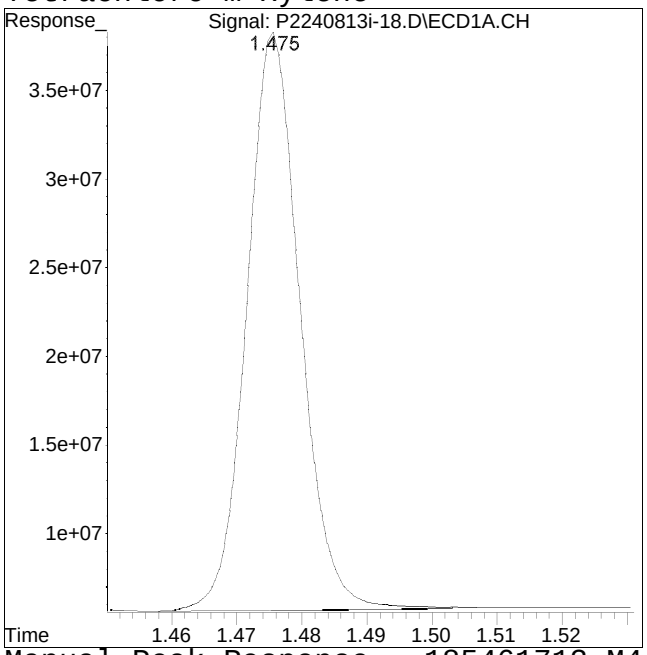
Original Peak Response = 234457803 Manual Peak Response = 223497105 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



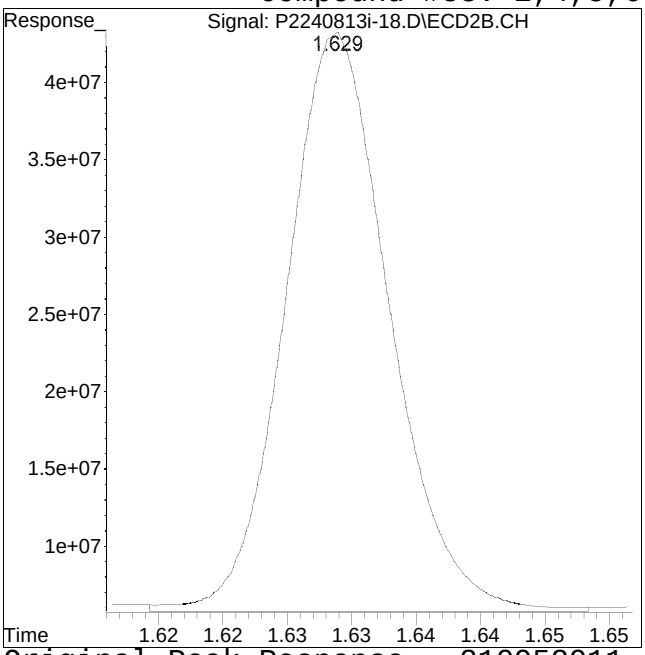


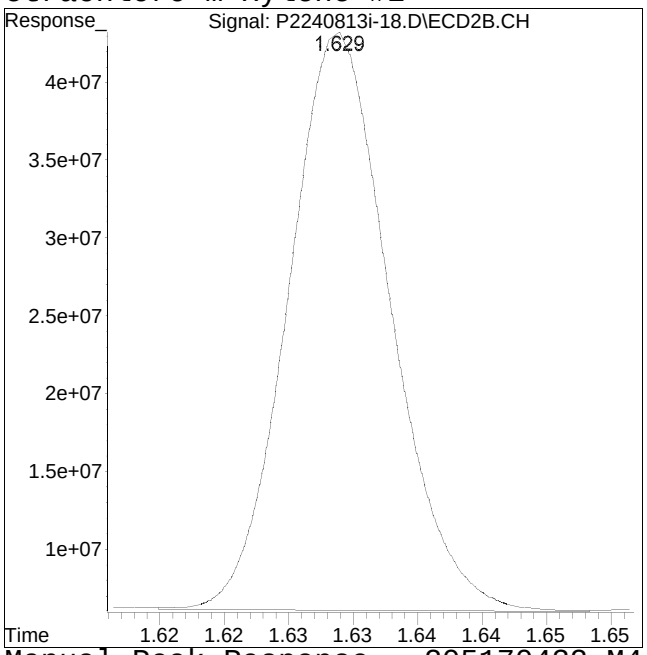
Original Peak Response = 190447458 Manual Peak Response = 185461713 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



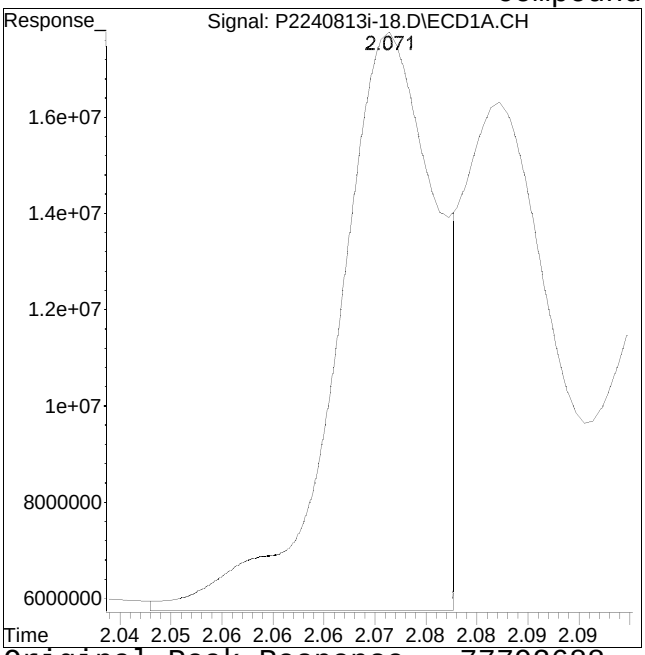


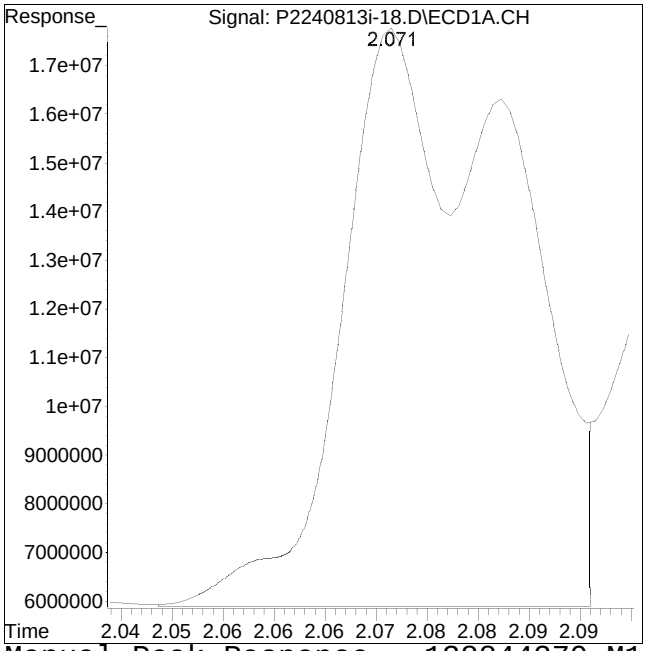
Original Peak Response = 210952911 Manual Peak Response = 205170432 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #36: 1248-2



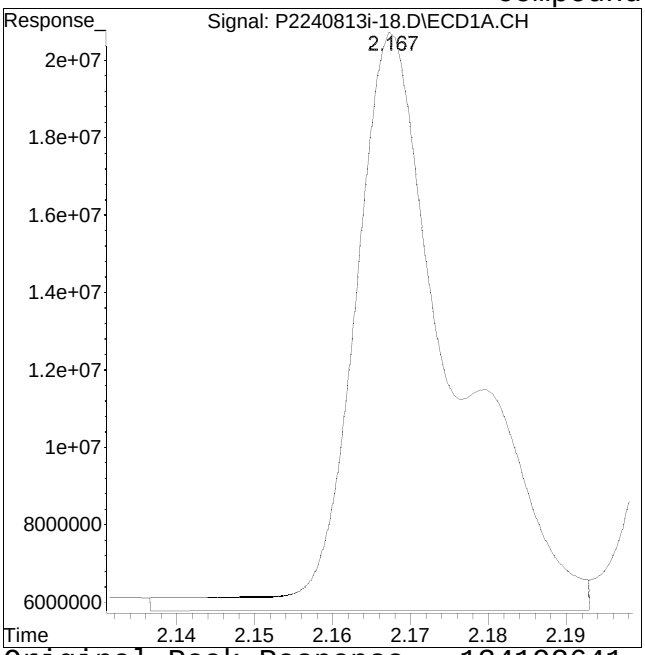


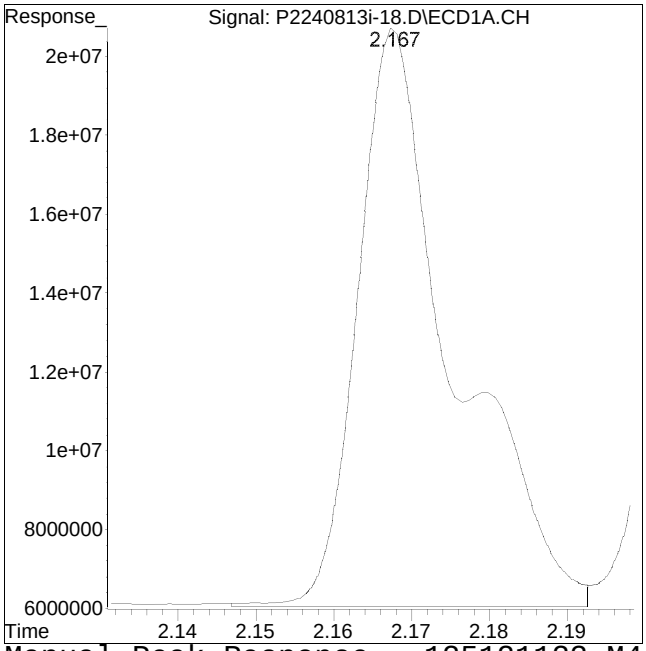
Original Peak Response = 77792688 Manual Peak Response = 138844270 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-18.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:17 Instrument : Pest 2
Sample : cicv1248,42,,pp11620 Quant Date : 8/13/2024 1:43 pm

Compound #37: 1248-3





Original Peak Response = 134192641 Manual Peak Response = 125121123 M4
M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.490	7.5	100	0.00
3	s	Decachlorobiphenyl		1.174	1.105	5.9	102	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
15	l3	1221-2		0.017	0.016	5.9	94	0.00
16	l3	1221-3		0.01025	0.00874	14.7	86	0.00
17	l3	1221-4		0.041	0.036	12.2	90	0.00
18	l4	1254-1		0.054	0.051	5.6	95	0.00
19	l4	1254-2		0.097	0.094	3.1	98	0.00
20	l4	1254-3		0.108	0.103	4.6	96	0.00
21	l4	1254-4		0.075	0.072	4.0	96	0.00
22	l4	1254-5		0.104	0.093	10.6	90	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	97	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	102	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	106	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	101	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.396	7.6	100	0.00
3	s	Decachlorobiphenyl		1.009	0.925	8.3	103	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	101	0.00
15	l3	1221-2		0.018	0.015	16.7	85	0.00
16	l3	1221-3		0.01084	0.00972	10.3	90	0.00
17	l3	1221-4		0.037	0.035	5.4	94	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
18	l4	1254-1		0.057	0.058	-1.8	102	0.00
19	l4	1254-2		0.067	0.065	3.0	98	0.00
20	l4	1254-3		0.100	0.099	1.0	100	0.00
21	l4	1254-4		0.068	0.066	2.9	99	0.00
22	l4	1254-5		0.096	0.086	10.4	89	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	99	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	105	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	104	0.00

Evaluate Continuing Calibration Report - Not Founds

4	l1	1016-1		0.029	0.000	100.0#	0#	-1.61#
5	l1	1016-2		0.054	0.000	100.0#	0#	-1.75#
6	l1	1016-3		0.124	0.000	100.0#	0#	-1.94#
7	l1	1016-4		0.051	0.000	100.0#	0#	-2.00#
8	l1	1016-5		0.059	0.000	100.0#	0#	-2.17#
9	l2	1260-1		0.077	0.000	100.0#	0#	-2.71#
10	l2	1260-2		0.115	0.000	100.0#	0#	-2.84#
11	l2	1260-3		0.070	0.000	100.0#	0#	-3.16#
12	l2	1260-4		0.150	0.000	100.0#	0#	-3.31#
13	l2	1260-5		0.111	0.000	100.0#	0#	-3.46#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#
29	l9	1268-1		0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2		0.195	0.000	100.0#	0#	-3.50#

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

4	l1	1016-1	0.028	0.000	100.0#	0#	-1.83#
5	l1	1016-2	0.060	0.000	100.0#	0#	-2.00#
6	l1	1016-3	0.120	0.000	100.0#	0#	-2.20#
7	l1	1016-4	0.051	0.000	100.0#	0#	-2.26#
8	l1	1016-5	0.037	0.000	100.0#	0#	-2.47#
9	l2	1260-1	0.068	0.000	100.0#	0#	-3.08#
10	l2	1260-2	0.088	0.000	100.0#	0#	-3.18#
11	l2	1260-3	0.071	0.000	100.0#	0#	-3.57#
12	l2	1260-4	0.141	0.000	100.0#	0#	-3.70#
13	l2	1260-5	0.104	0.000	100.0#	0#	-3.90#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample   : cicv2154,42,,pp11619
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
14) i	2154_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
23) i	4268_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
34) i	1248_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
40) i	3262_1br2nb	1.192	1.258	191.8E6	227.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	182.9E6	203.6E6	14.809M4	14.781M4
	Spiked Amount	20.000	Range 30 - 150		Recovery =	74.04%	73.91%
3) s	Decachlorobi	4.044	4.553	271.2E6	269.8E6	30.102	29.340
	Spiked Amount	20.000	Range 30 - 150		Recovery =	150.51%#	146.70%
	Target Compounds						
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D. d	N.D. d
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D. d	N.D. d
12) l2	1260-4	0.000	0.000	0	0	N.D. d	N.D. d
13) l2	1260-5	0.000	0.000	0	0	N.D. d	N.D. d

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum	1260-1			0	0	N.D.	N.D.
Average	1260-1					0.000	0.000
15) l3	1221-2	1.538	1.743	30125011	34003592	234.102	211.937
16) l3	1221-3	1.596	1.801	16767374	22156062	213.323M3	224.137M3
17) l3	1221-4	1.613	1.828	69827860	78980789	224.504M3	233.026M4
Sum	1221-2			116.7E6	135.1E6	671.929	669.100
Average	1221-2					223.976	223.033
18) l4	1254-1	2.331	2.668	97856388	132.0E6	235.696M3	253.443
19) l4	1254-2	2.444	2.755	181.1E6	148.2E6	244.275M3	243.295
20) l4	1254-3	2.628	2.984	197.7E6	226.3E6	238.742	248.631
21) l4	1254-4	2.757	3.095	138.1E6	150.7E6	239.609	244.822M3
22) l4	1254-5	2.980	3.371	178.9E6	194.9E6	224.007	222.226M3
Sum	1254-1			793.6E6	852.0E6	1182.330	1212.417
Average	1254-1					236.466	242.483
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

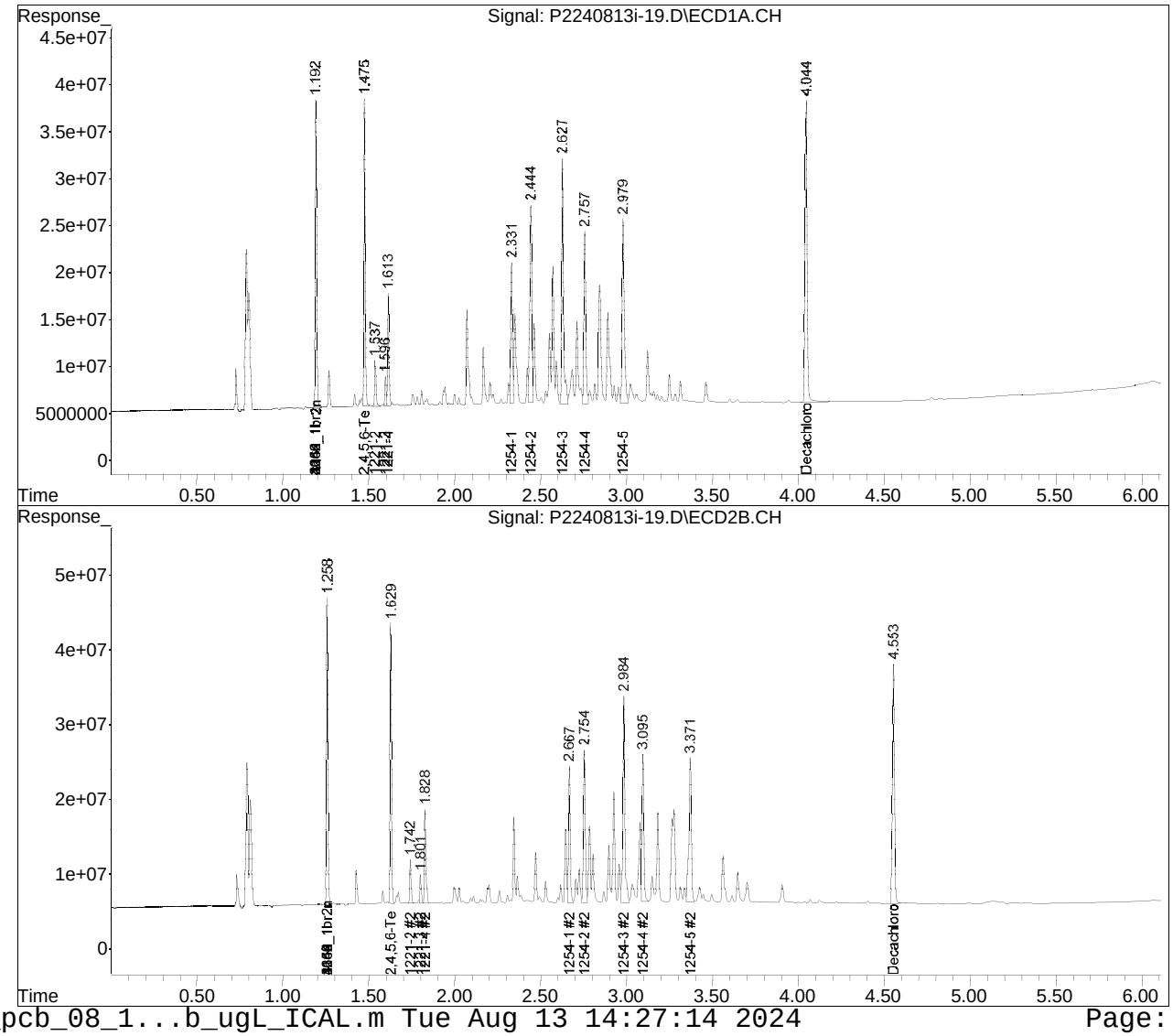
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-19.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:26
Operator : pest2:rmp
Sample : cicv2154,42,,pp11619
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:44:36 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

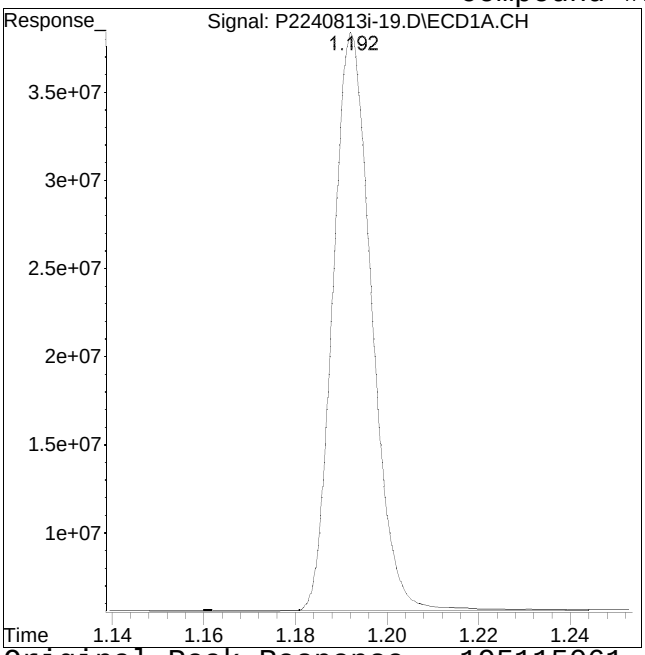
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

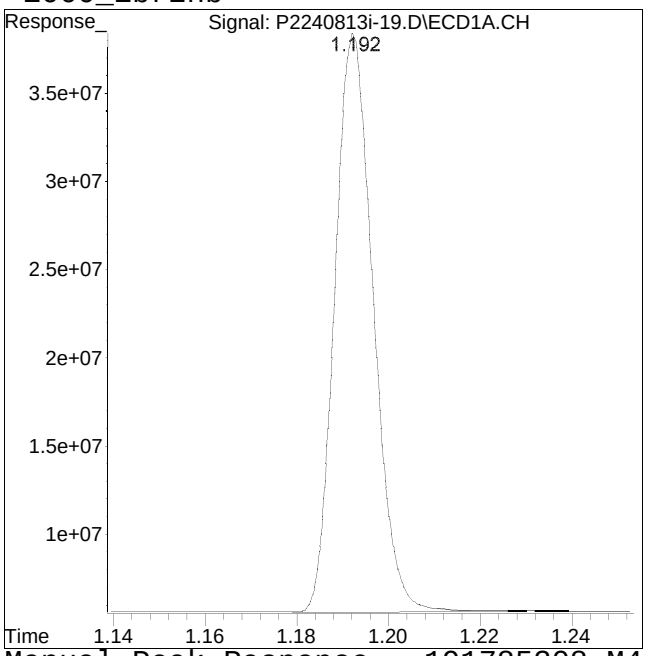


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #1: 1660_1br2nb



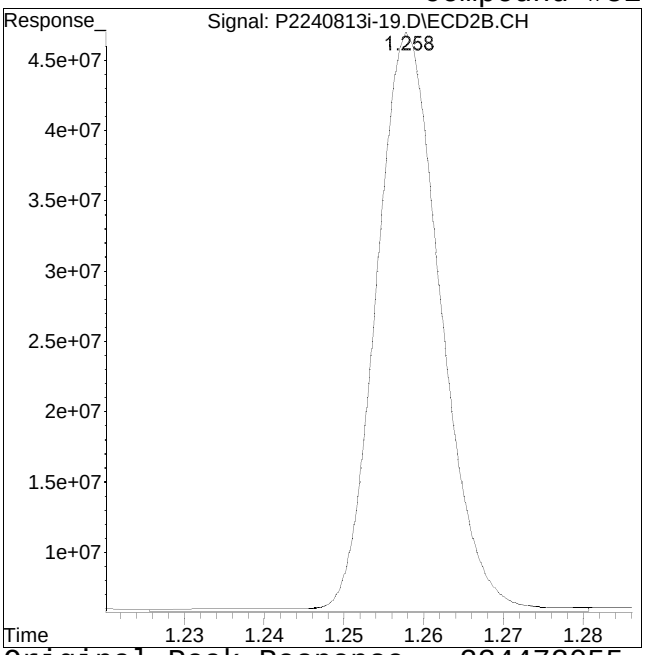


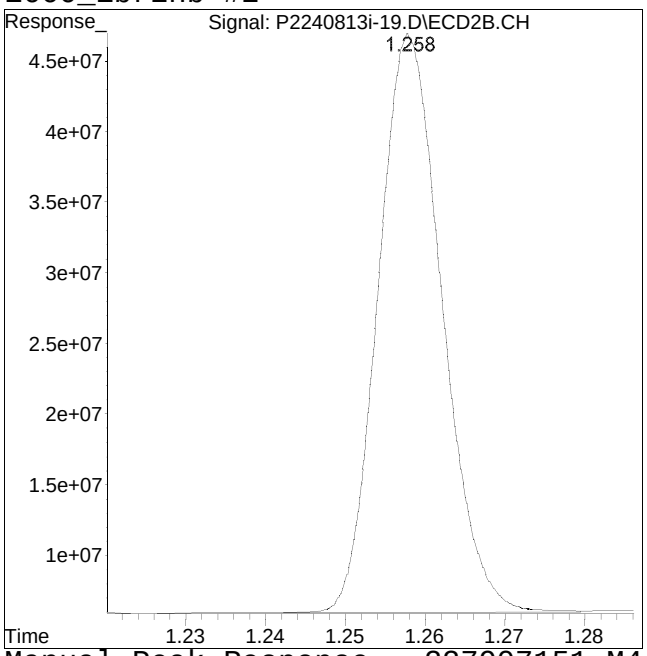
Original Peak Response = 195115061 Manual Peak Response = 191785308 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #52: 1660_1br2nb #2



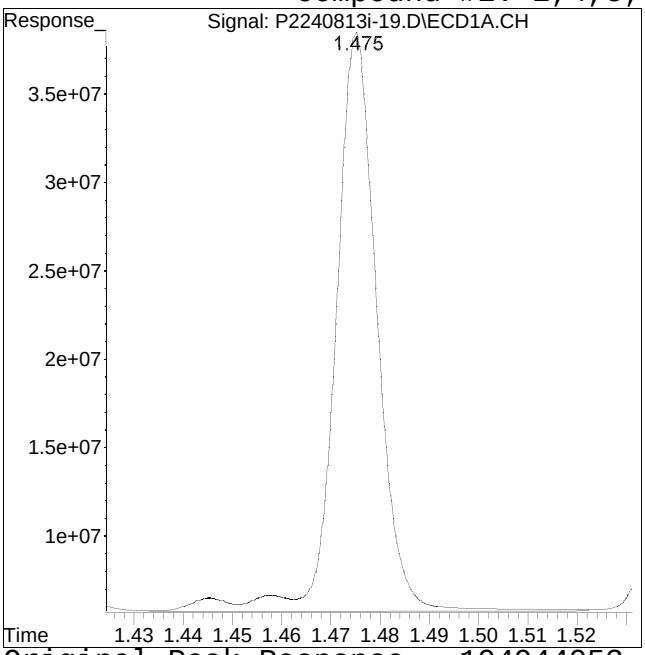


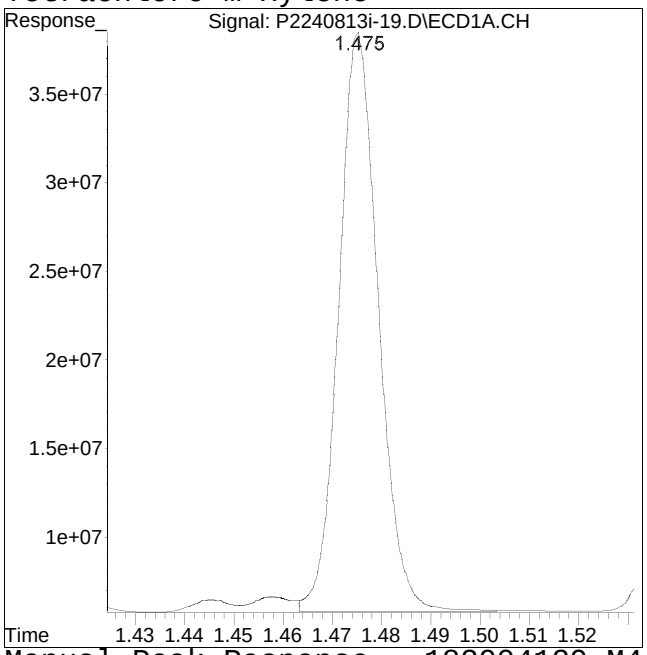
Original Peak Response = 234472055 Manual Peak Response = 227907151 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



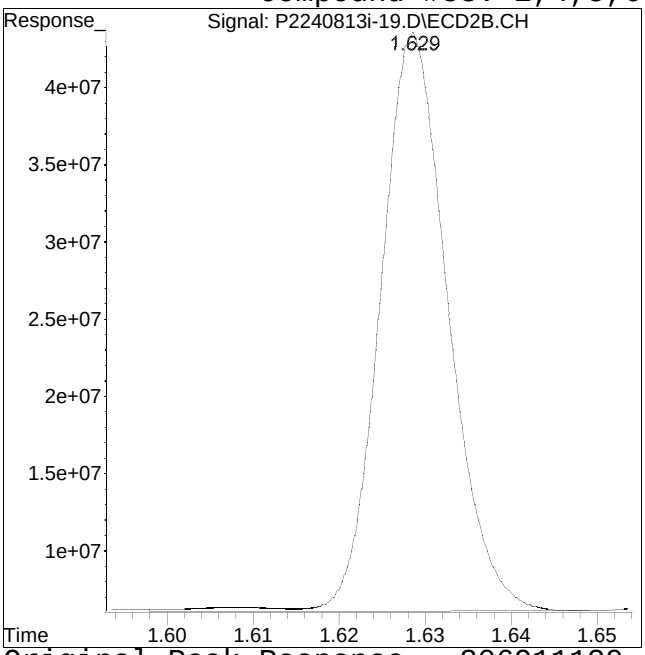


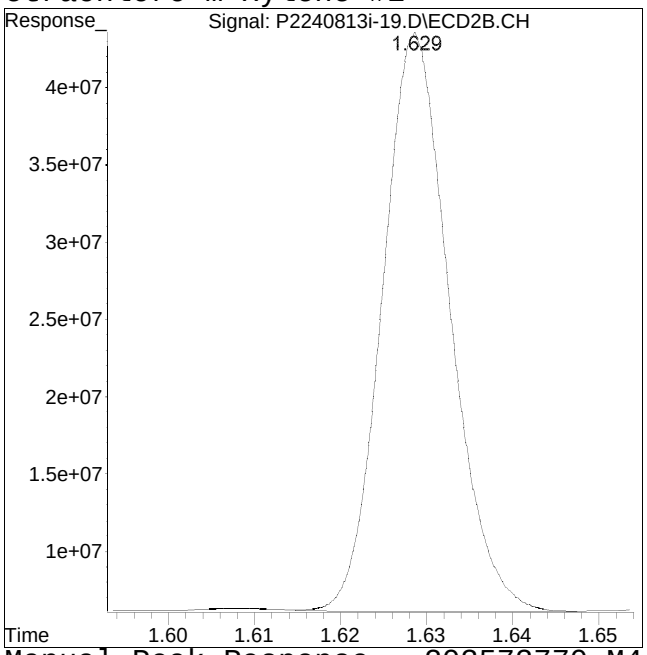
Original Peak Response = 194944953 Manual Peak Response = 182904129 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #53: 2,4,5,6-Tetrachloro-m-xylene #2



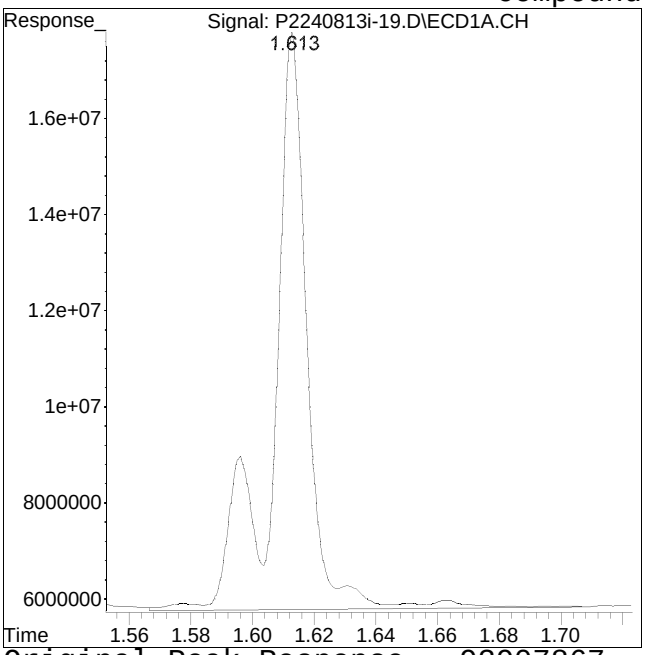


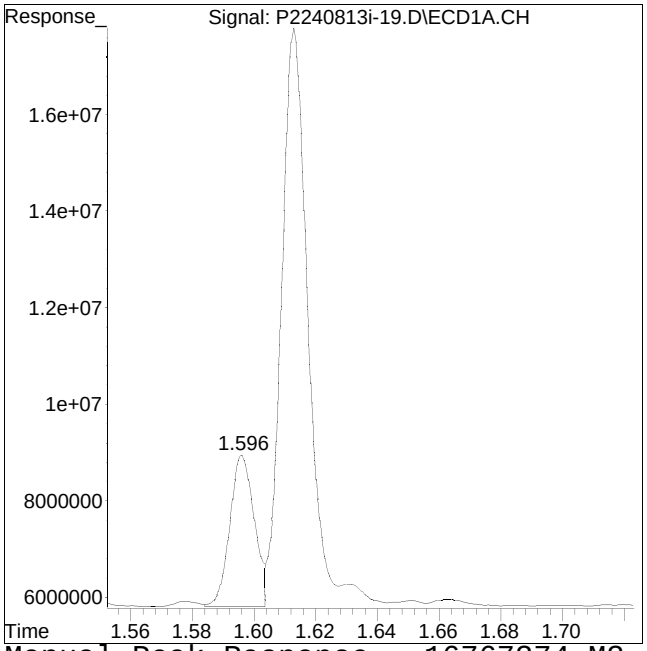
Original Peak Response = 206911129 Manual Peak Response = 203573770 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #16: 1221-3



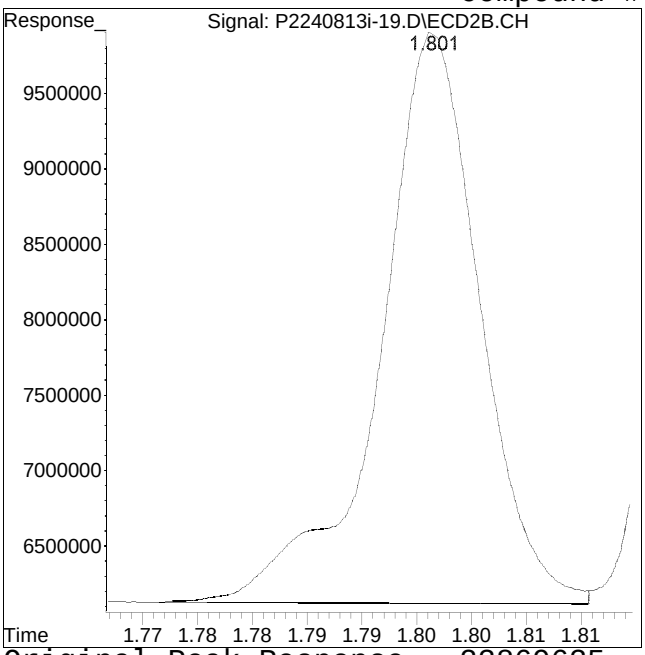


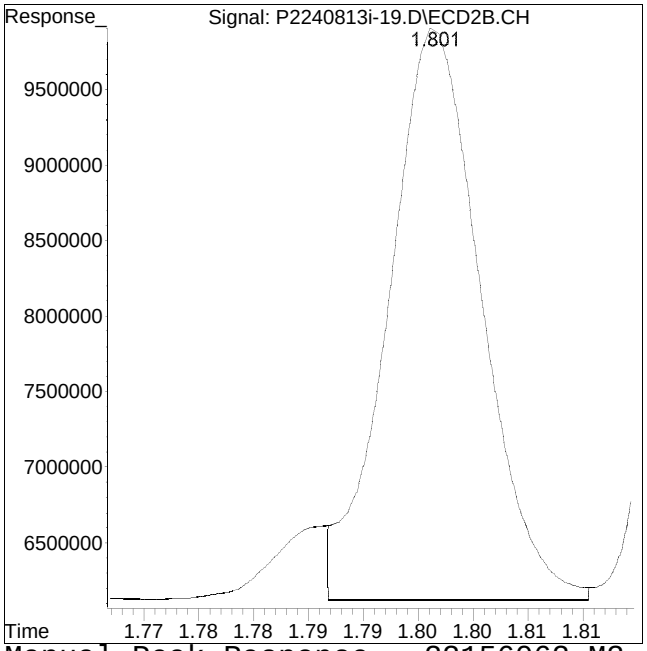
Original Peak Response = 93907867 Manual Peak Response = 16767374 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #67: 1221-3 #2



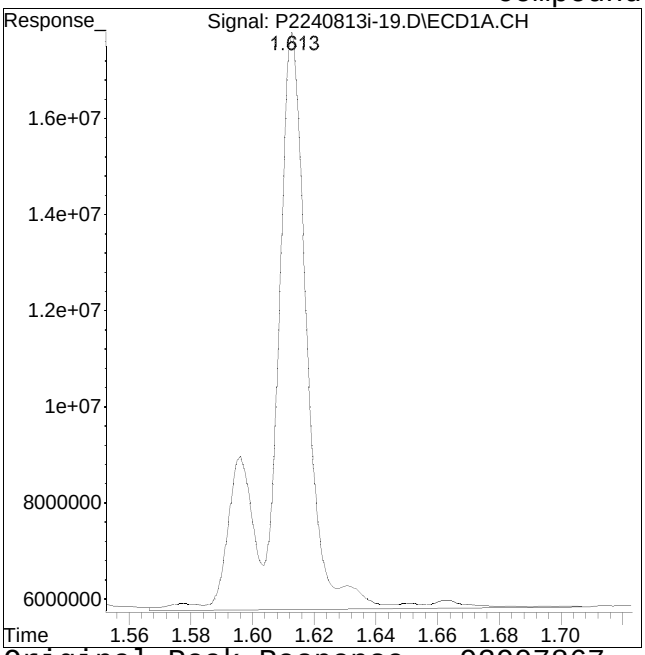


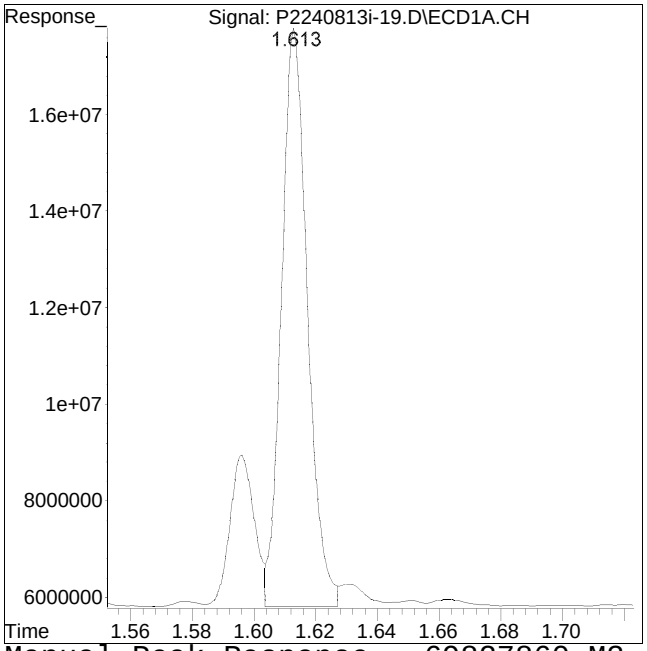
Original Peak Response = 23869635 Manual Peak Response = 22156062 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #17: 1221-4



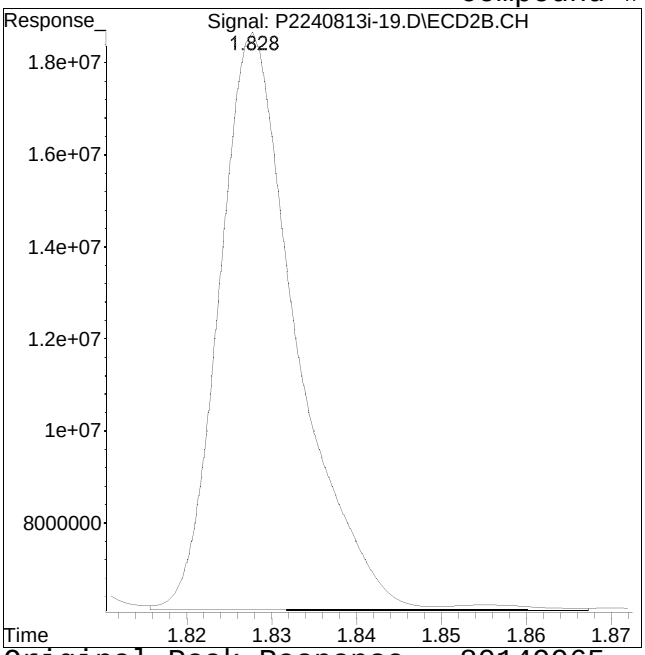


Original Peak Response = 93907867 Manual Peak Response = 69827860 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

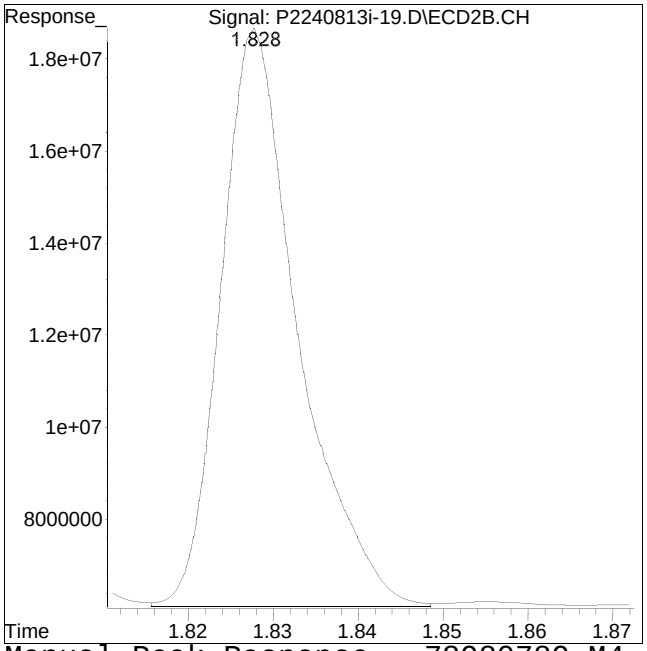
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #68: 1221-4 #2



Original Peak Response = 80149965



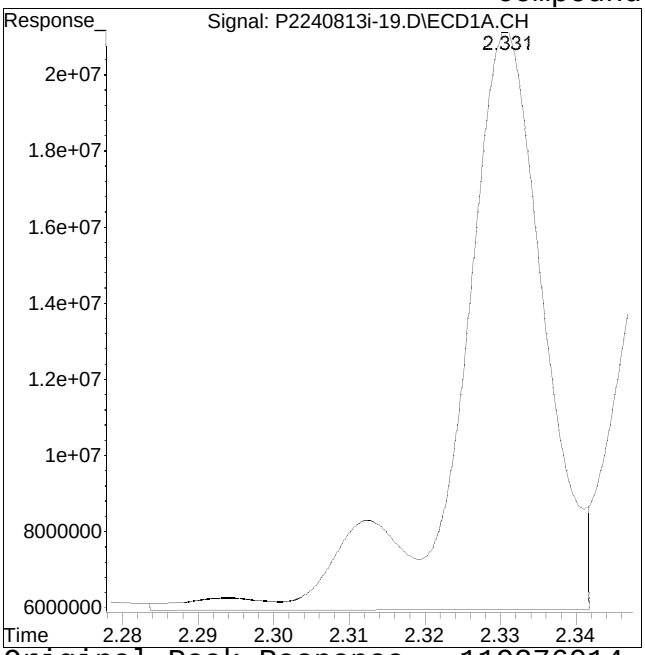
Manual Peak Response = 78980789 M4

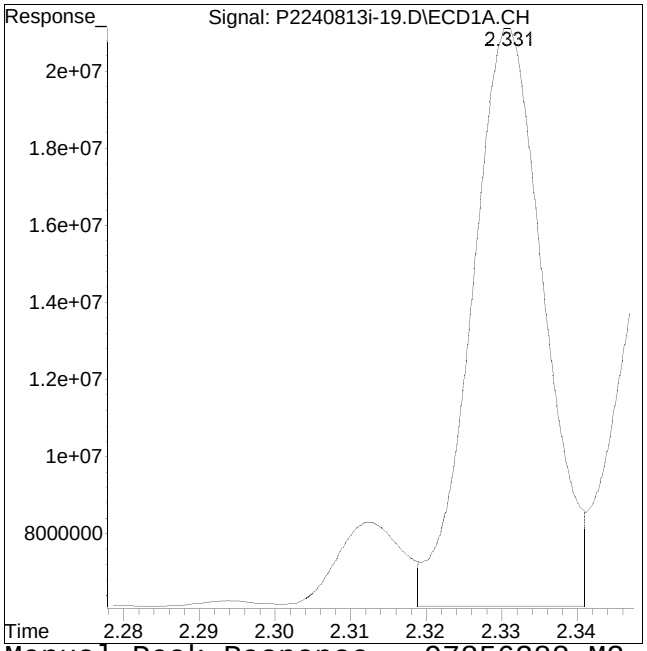
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #18: 1254-1



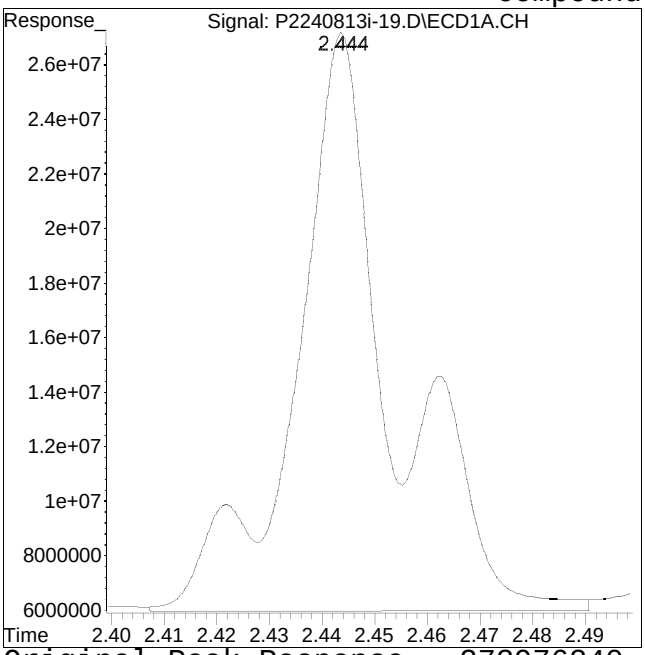


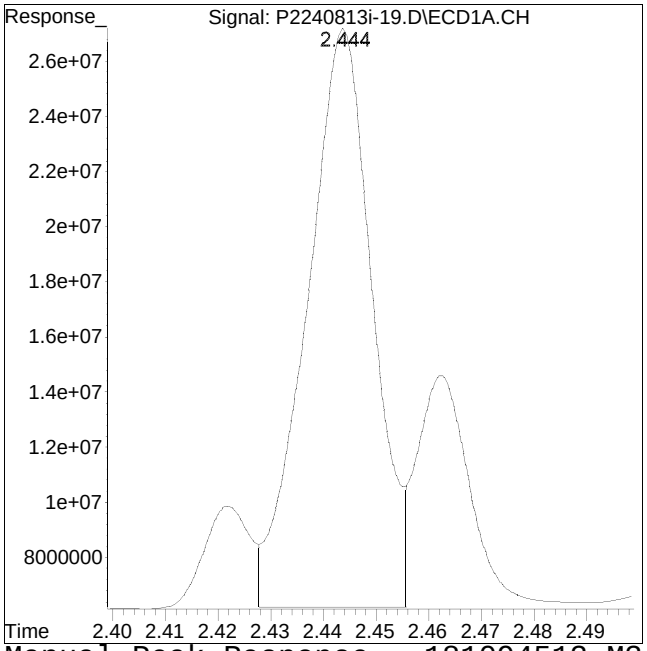
Original Peak Response = 119276914 Manual Peak Response = 97856388 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #19: 1254-2



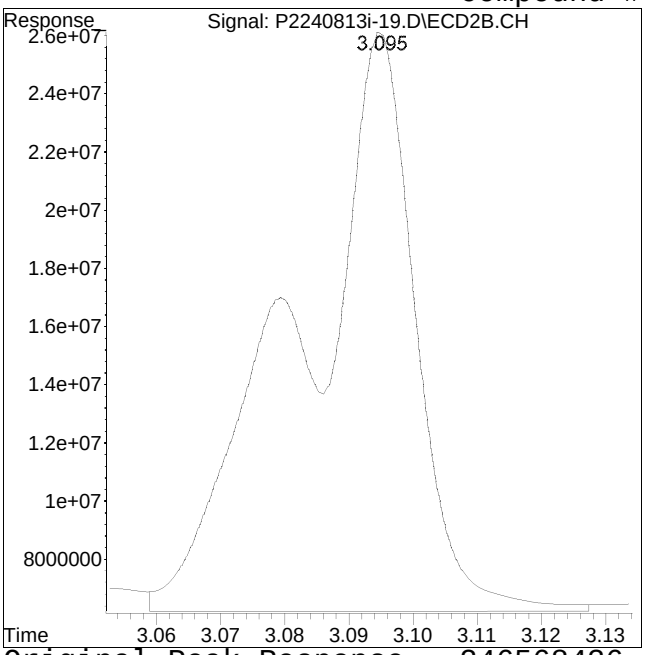


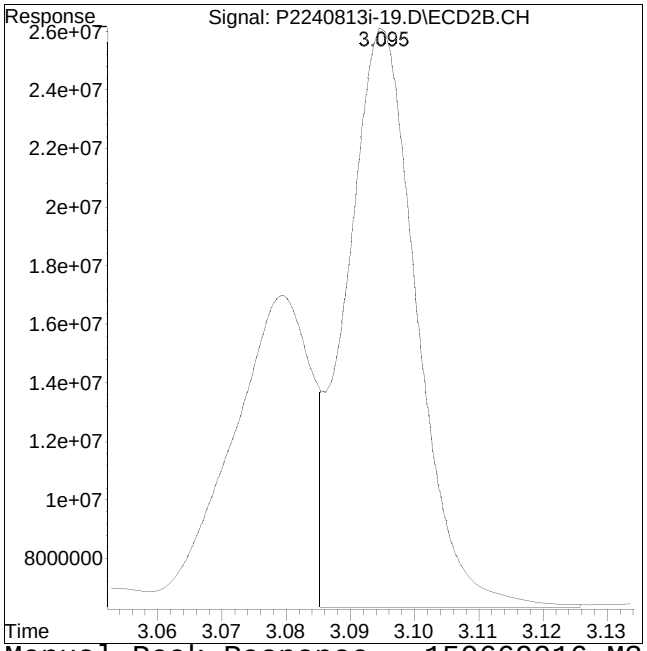
Original Peak Response = 273976240 Manual Peak Response = 181094513 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #72: 1254-4 #2



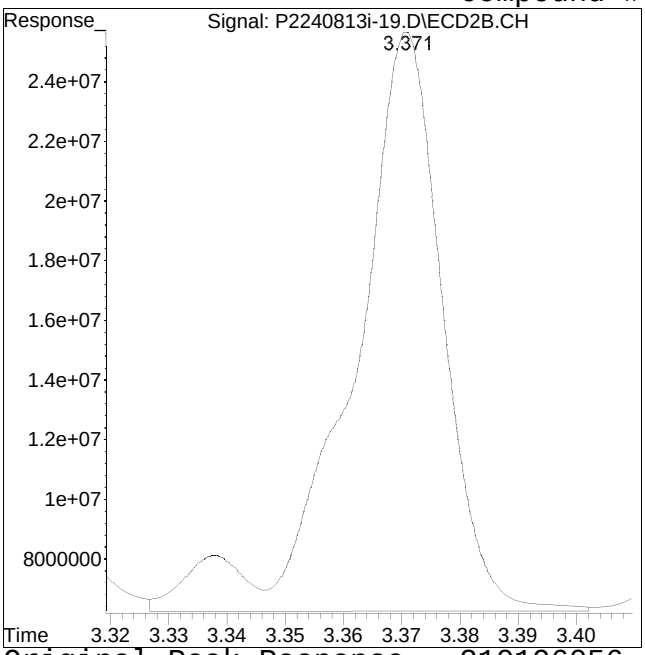


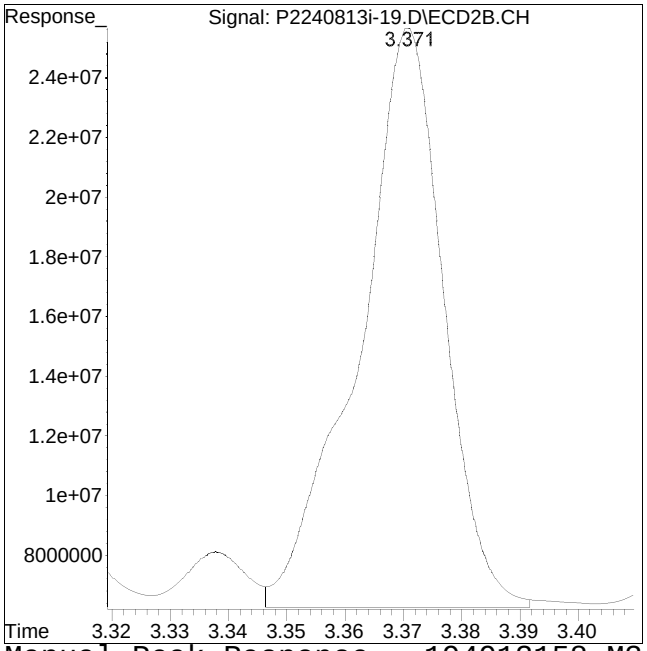
Original Peak Response = 246568436 Manual Peak Response = 150669916 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-19.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:26 Instrument : Pest 2
Sample : cicv2154,42,,pp11619 Quant Date : 8/13/2024 1:44 pm

Compound #73: 1254-5 #2





Original Peak Response = 210196056 Manual Peak Response = 194913158 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	112	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.438	10.7	106	0.00
3	s	Decachlorobiphenyl		1.174	1.045	11.0	107	0.00
4	l1	1016-1		0.029	0.025	13.8	104	0.00
5	l1	1016-2		0.054	0.056	-3.7	116	0.00
6	l1	1016-3		0.124	0.119	4.0	115	0.00
7	l1	1016-4		0.051	0.048	5.9	116	0.00
8	l1	1016-5		0.059	0.050	15.3	111	0.00
9	l2	1260-1		0.077	0.073	5.2	116	0.00
10	l2	1260-2		0.115	0.114	0.9	119	0.00
11	l2	1260-3		0.070	0.062	11.4	101	0.00
12	l2	1260-4		0.150	0.128	14.7	100	0.00
13	l2	1260-5		0.111	0.097	12.6	105	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	111	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	107	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	113	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	117	0.00

Signal #2

1	i	1660_1br2nb	^	1.000	1.000	0.0	111	0.00
2	s	2,4,5,6-Tetrachloro-m-xyl		1.511	1.359	10.1	107	0.00
3	s	Decachlorobiphenyl		1.009	0.910	9.8	111	0.00
4	l1	1016-1		0.028	0.024	14.3	108	0.00
5	l1	1016-2		0.060	0.056	6.7	114	0.00
6	l1	1016-3		0.120	0.114	5.0	116	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
7	l1	1016-4		0.051	0.046	9.8	114	0.00
8	l1	1016-5		0.037	0.035	5.4	113	0.00
9	l2	1260-1		0.068	0.072	-5.9	120	0.00
10	l2	1260-2		0.088	0.085	3.4	116	0.00
11	l2	1260-3		0.071	0.064	9.9	108	0.00
12	l2	1260-4		0.141	0.126	10.6	107	0.00
13	l2	1260-5		0.104	0.090	13.5	108	0.00
14	i	2154_1br2nb	^	1.000	1.000	0.0	110	0.00
23	i	4268_1br2nb	^	1.000	1.000	0.0	108	0.00
34	i	1248_1br2nb	^	1.000	1.000	0.0	115	0.00
40	i	3262_1br2nb	^	1.000	1.000	0.0	114	0.00

Evaluate Continuing Calibration Report - Not Founds

15	l3	1221-2		0.017	0.000	100.0#	0#	-1.54#
16	l3	1221-3		0.010	0.000	100.0#	0#	-1.59#
17	l3	1221-4		0.041	0.000	100.0#	0#	-1.61#
18	l4	1254-1		0.054	0.000	100.0#	0#	-2.33#
19	l4	1254-2		0.097	0.000	100.0#	0#	-2.44#
20	l4	1254-3		0.108	0.000	100.0#	0#	-2.63#
21	l4	1254-4		0.075	0.000	100.0#	0#	-2.76#
22	l4	1254-5		0.104	0.000	100.0#	0#	-2.98#
24	l6	1242-1		0.021	0.000	100.0#	0#	-1.61#
25	l6	1242-2		0.043	0.000	100.0#	0#	-1.75#
26	l6	1242-3		0.093	0.000	100.0#	0#	-1.94#
27	l6	1242-4		0.040	0.000	100.0#	0#	-2.00#
28	l6	1242-5		0.031	0.000	100.0#	0#	-2.35#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
29	l9	1268-1	0.201	0.000	100.0#	0#	-3.48#
30	l9	1268-2	0.195	0.000	100.0#	0#	-3.50#
31	l9	1268-3	0.155	0.000	100.0#	0#	-3.60#
32	l9	1268-4	0.072	0.000	100.0#	0#	-3.79#
33	l9	1268-5	0.471	0.000	100.0#	0#	-3.94#
35	l7	1248-1	0.060	0.000	100.0#	0#	-1.93#
36	l7	1248-2	0.078	0.000	100.0#	0#	-2.07#
37	l7	1248-3	0.069	0.000	100.0#	0#	-2.17#
38	l7	1248-4	0.058	0.000	100.0#	0#	-2.35#
39	l7	1248-5	0.052	0.000	100.0#	0#	-2.36#
41	l5	1232-1	0.031	0.000	100.0#	0#	-1.61#
42	l5	1232-2	0.026	0.000	100.0#	0#	-1.75#
43	l5	1232-3	0.058	0.000	100.0#	0#	-1.94#
44	l5	1232-4	0.025	0.000	100.0#	0#	-2.00#
45	l5	1232-5	0.017	0.000	100.0#	0#	-2.35#
46	l8	1262-1	0.089	0.000	100.0#	0#	-2.84#
47	l8	1262-2	0.113	0.000	100.0#	0#	-3.03#
48	l8	1262-3	0.098	0.000	100.0#	0#	-3.16#
49	l8	1262-4	0.184	0.000	100.0#	0#	-3.31#
50	l8	1262-5	0.061	0.000	100.0#	0#	-3.79#

Signal #2

15	l3	1221-2	0.018	0.000	100.0#	0#	-1.74#
16	l3	1221-3	0.011	0.000	100.0#	0#	-1.80#
17	l3	1221-4	0.037	0.000	100.0#	0#	-1.83#
18	l4	1254-1	0.057	0.000	100.0#	0#	-2.67#
19	l4	1254-2	0.067	0.000	100.0#	0#	-2.75#
20	l4	1254-3	0.100	0.000	100.0#	0#	-2.98#
21	l4	1254-4	0.068	0.000	100.0#	0#	-3.09#
22	l4	1254-5	0.096	0.000	100.0#	0#	-3.37#

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample   : cicv1660,42,,pp11621
Misc   : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
24 l6	1242-1	0.020	0.000	100.0#	0#	-1.83#
25 l6	1242-2	0.044	0.000	100.0#	0#	-2.00#
26 l6	1242-3	0.089	0.000	100.0#	0#	-2.20#
27 l6	1242-4	0.035	0.000	100.0#	0#	-2.26#
28 l6	1242-5	0.029	0.000	100.0#	0#	-2.65#
29 l9	1268-1	0.174	0.000	100.0#	0#	-3.90#
30 l9	1268-2	0.158	0.000	100.0#	0#	-3.93#
31 l9	1268-3	0.131	0.000	100.0#	0#	-4.07#
32 l9	1268-4	0.060	0.000	100.0#	0#	-4.22#
33 l9	1268-5	0.383	0.000	100.0#	0#	-4.41#
35 l7	1248-1	0.059	0.000	100.0#	0#	-2.19#
36 l7	1248-2	0.041	0.000	100.0#	0#	-2.35#
37 l7	1248-3	0.051	0.000	100.0#	0#	-2.47#
38 l7	1248-4	0.056	0.000	100.0#	0#	-2.65#
39 l7	1248-5	0.063	0.000	100.0#	0#	-2.67#
41 l5	1232-1	0.029	0.000	100.0#	0#	-1.83#
42 l5	1232-2	0.029	0.000	100.0#	0#	-2.00#
43 l5	1232-3	0.054	0.000	100.0#	0#	-2.20#
44 l5	1232-4	0.022	0.000	100.0#	0#	-2.26#
45 l5	1232-5	0.016	0.000	100.0#	0#	-2.65#
46 l8	1262-1	0.068	0.000	100.0#	0#	-3.18#
47 l8	1262-2	0.088	0.000	100.0#	0#	-3.42#
48 l8	1262-3	0.082	0.000	100.0#	0#	-3.57#
49 l8	1262-4	0.151	0.000	100.0#	0#	-3.70#
50 l8	1262-5	0.056	0.000	100.0#	0#	-4.22#

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
14) i	2154_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
23) i	4268_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
34) i	1248_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
40) i	3262_1br2nb	1.193	1.258	212.3E6	249.4E6	25.000	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.475	1.629	195.4E6	217.0E6	14.294M3	14.397
	Spiked Amount	20.000	Range 30 - 150		Recovery =	71.47%	71.98%
3) s	Decachlorobi	4.045	4.554	284.0E6	290.3E6	28.480	28.853
	Spiked Amount	20.000	Range 30 - 150		Recovery =	142.40%	144.26%
	Target Compounds						
4) l1	1016-1	1.613	1.829	52177992	59482935	212.983M3	215.403
5) l1	1016-2	1.754	1.999	119.2E6	140.8E6	257.519M3	234.388
6) l1	1016-3	1.942	2.200	253.5E6	283.2E6	241.659	236.186
7) l1	1016-4	1.997	2.260	103.0E6	113.5E6	239.824M3	224.880M1
8) l1	1016-5	2.167	2.471	105.7E6	86627473	209.551M4	236.260M4
	Sum 1016-1			633.5E6	683.7E6	1161.535	1147.117
	Average 1016-1					232.307	229.423
9) l2	1260-1	2.711	3.081	155.9E6	179.1E6	238.287	264.741M3

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
10) l2	1260-2	2.842	3.183	241.8E6	212.2E6	248.705	241.216
11) l2	1260-3	3.157	3.575	131.2E6	160.8E6	220.253	225.790
12) l2	1260-4	3.313	3.705	272.7E6	313.1E6	213.726M3	222.332
13) l2	1260-5	3.461	3.907	206.9E6	225.4E6	218.918	217.263
Sum	1260-1			1008.6E6	1090.6E6	1139.889	1171.342
Average	1260-1					227.978	234.268
15) l3	1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3	1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3	1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1221-2			0	0	N.D.	N.D.
Average	1221-2					0.000	0.000
18) l4	1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4	1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4	1254-3	0.000	0.000	0	0	N.D. d	N.D. d
21) l4	1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4	1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1254-1			0	0	N.D.	N.D.
Average	1254-1					0.000	0.000
24) l6	1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6	1242-2	0.000	0.000	0	0	N.D. d	N.D. d
26) l6	1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6	1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6	1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1242-1			0	0	N.D.	N.D.
Average	1242-1					0.000	0.000
29) l9	1268-1	0.000	0.000	0	0	N.D. d	N.D. d
30) l9	1268-2	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
31) l9	1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9	1268-4	0.000	0.000	0	0	N.D. d	N.D. d
33) l9	1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1268-1			0	0	N.D.	N.D.
Average	1268-1					0.000	0.000
35) l7	1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7	1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7	1248-3	0.000	0.000	0	0	N.D. d	N.D. d
38) l7	1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7	1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1248-1			0	0	N.D.	N.D.
Average	1248-1					0.000	0.000
41) l5	1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5	1232-2	0.000	0.000	0	0	N.D. d	N.D. d
43) l5	1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5	1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5	1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1232-1			0	0	N.D.	N.D.
Average	1232-1					0.000	0.000
46) l8	1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8	1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8	1262-3	0.000	0.000	0	0	N.D. d	N.D. d
49) l8	1262-4	0.000	0.000	0	0	N.D. d	N.D. d
50) l8	1262-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum	1262-1			0	0	N.D.	N.D.
Average	1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum	1262-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1262-1					0.000	0.000

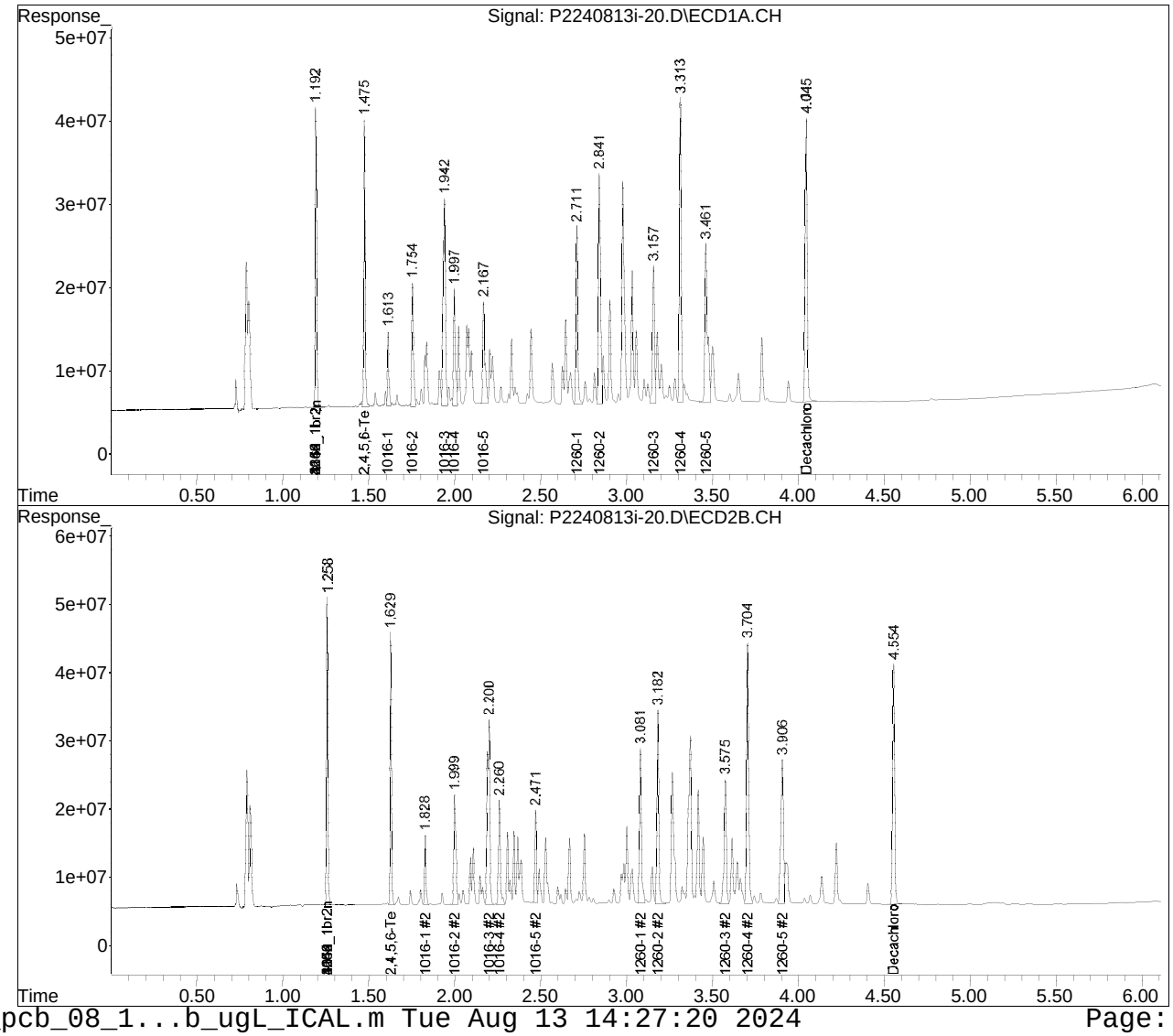
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listed Reviewed)

Data Path : I:\PCB\Pest2\2024\240813I\
Data File : P2240813i-20.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 13 Aug 2024 12:35
Operator : pest2:rmp
Sample : cicv1660,42,,pp11621
Misc : WG1958782, (Sig #1); (Sig #2)
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 13 13:46:50 2024
Quant Method : I:\PCB\Pest2\2024\240813I\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

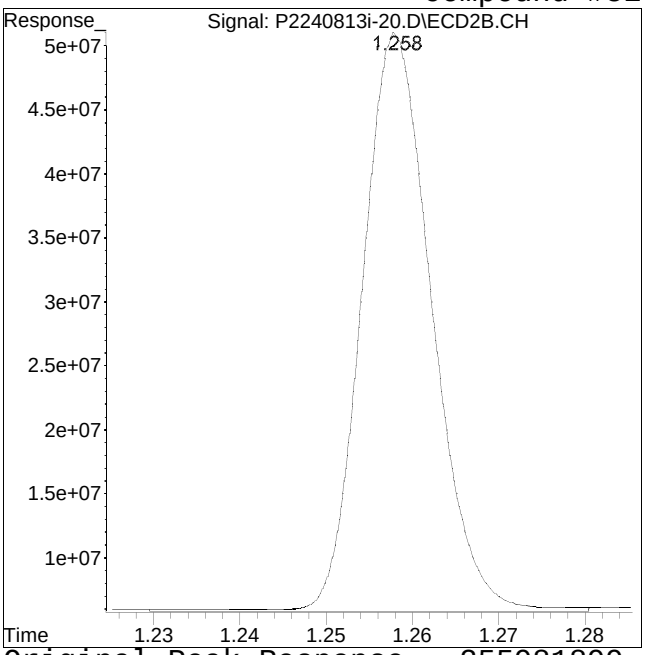
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

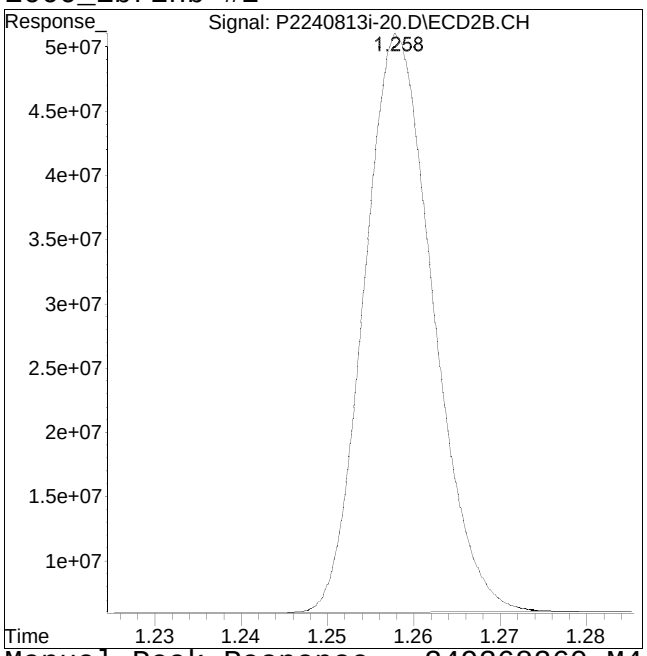


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #52: 1660_1br2nb #2



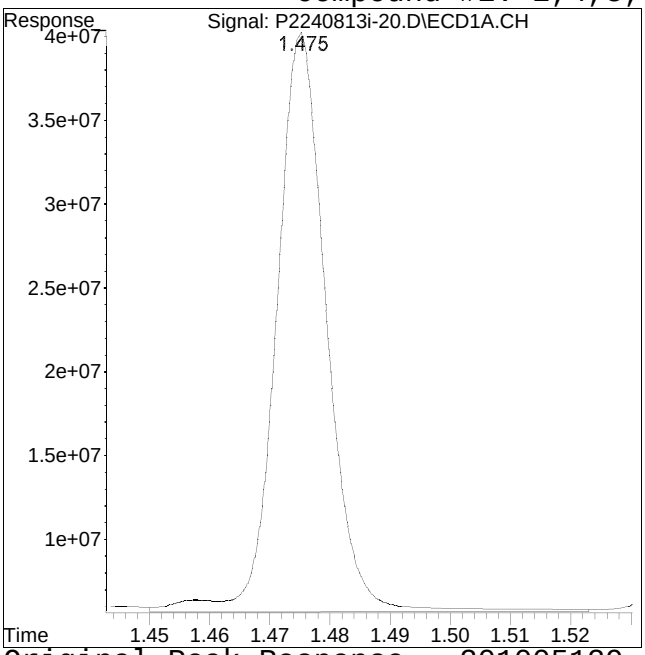


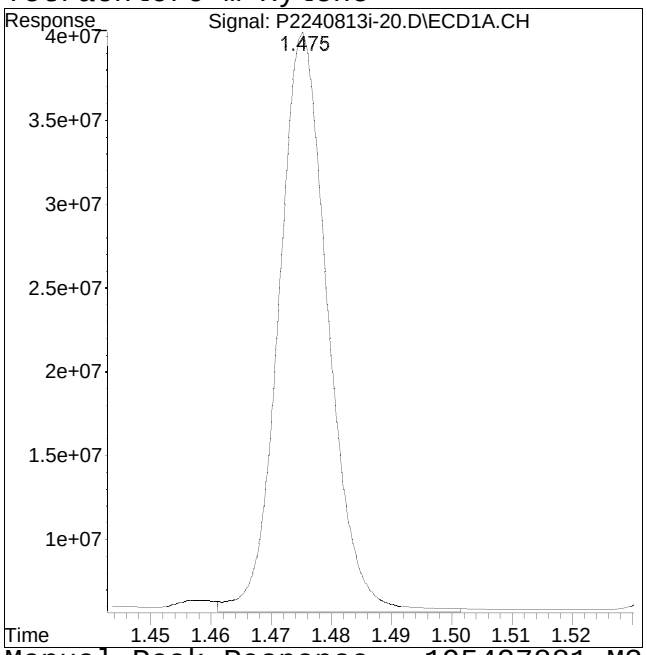
Original Peak Response = 255981899 Manual Peak Response = 249368260 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



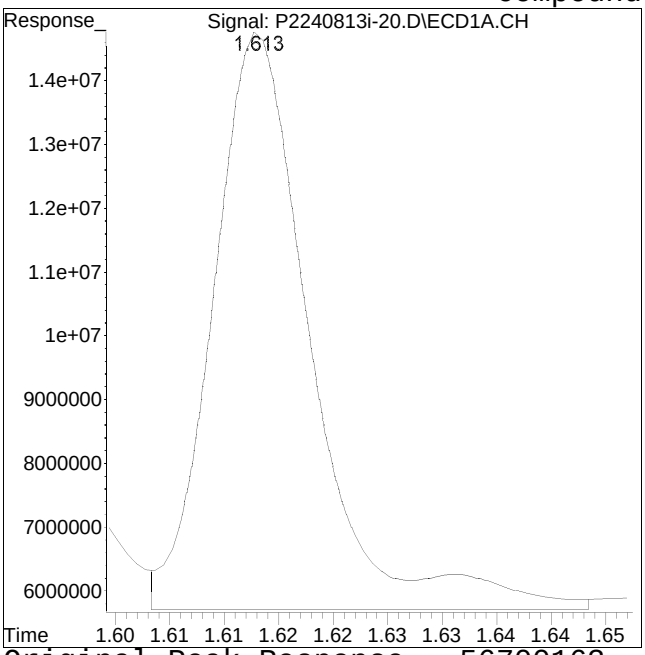


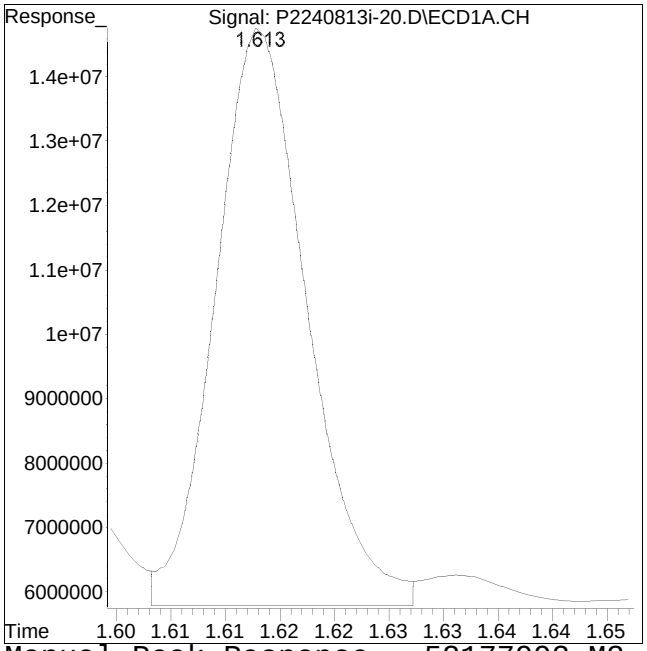
Original Peak Response = 201005129 Manual Peak Response = 195427881 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #4: 1016-1



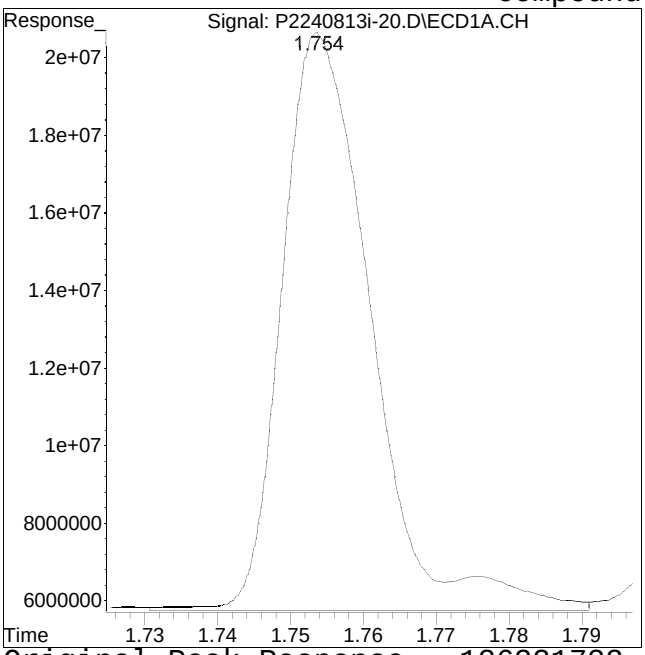


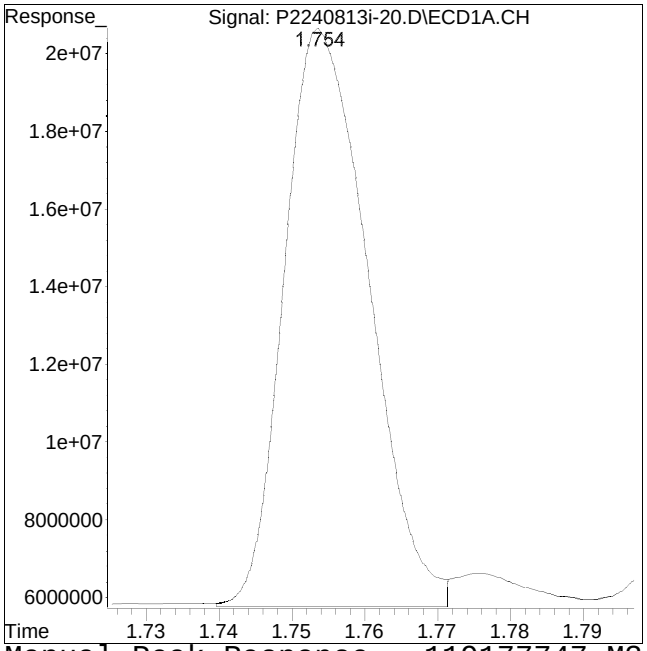
Original Peak Response = 56700163 Manual Peak Response = 52177992 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #5: 1016-2



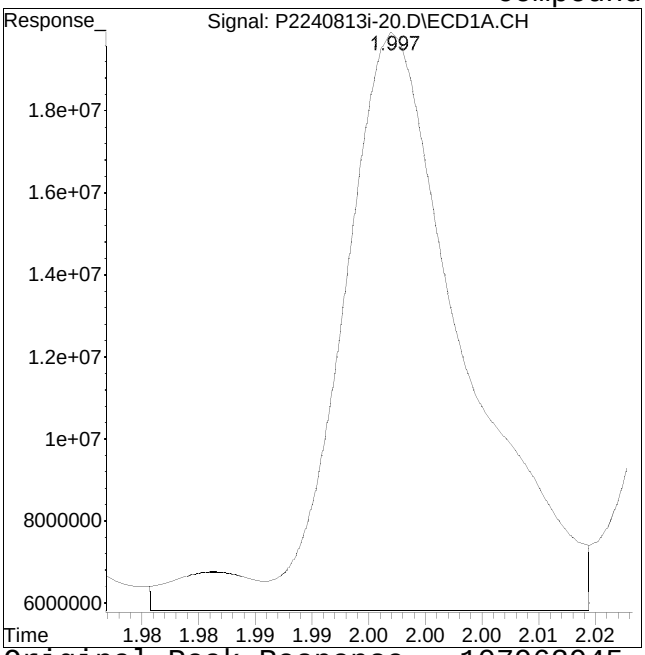


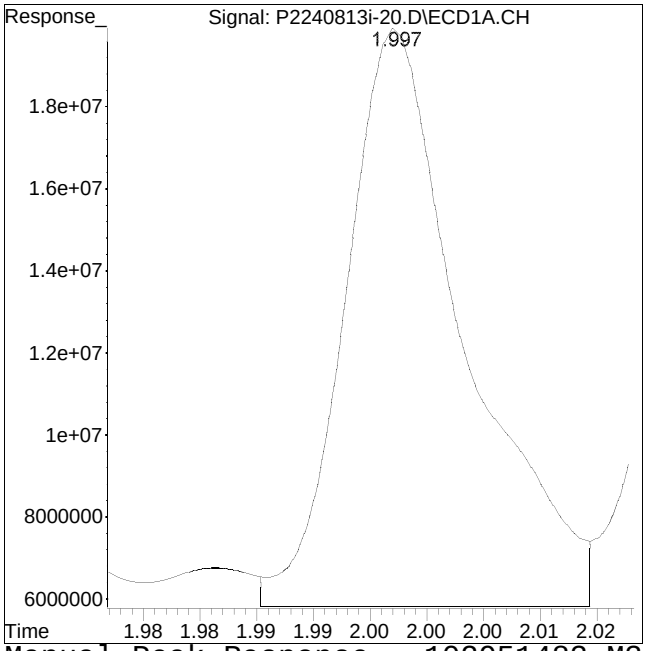
Original Peak Response = 126321722 Manual Peak Response = 119177747 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #7: 1016-4



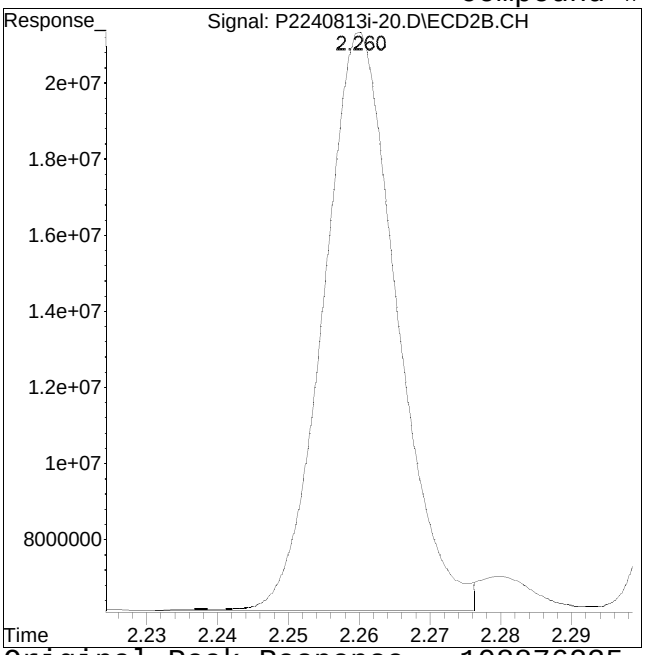


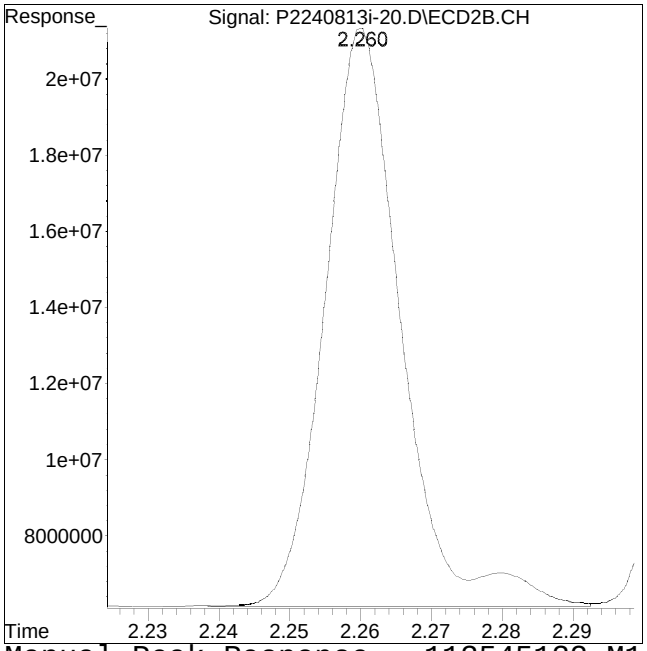
Original Peak Response = 107962945 Manual Peak Response = 102951483 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #58: 1016-4 #2



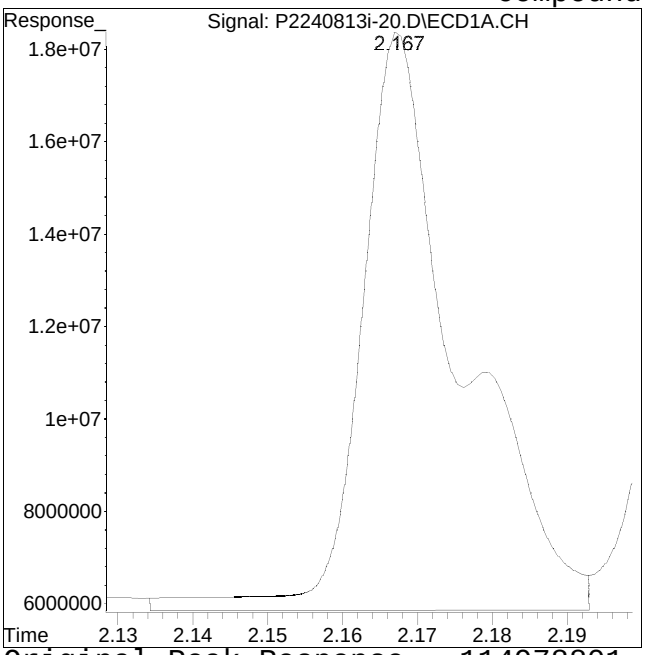


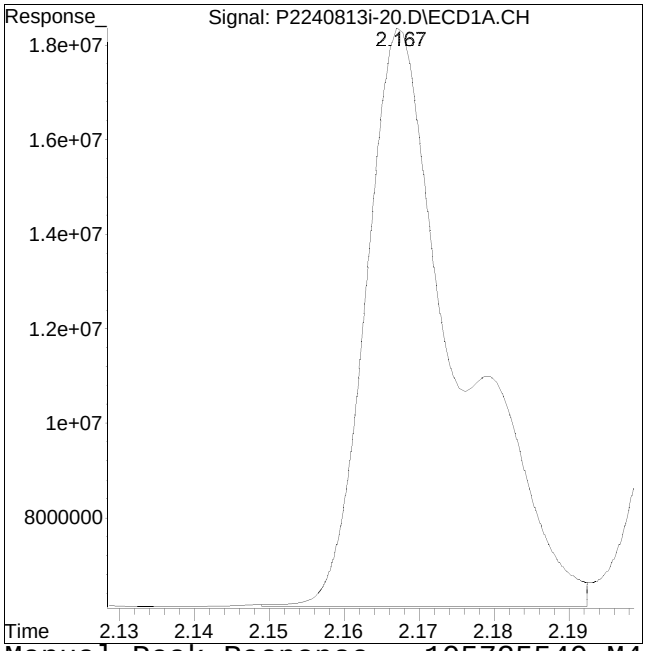
Original Peak Response = 108876235 Manual Peak Response = 113545132 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #8: 1016-5



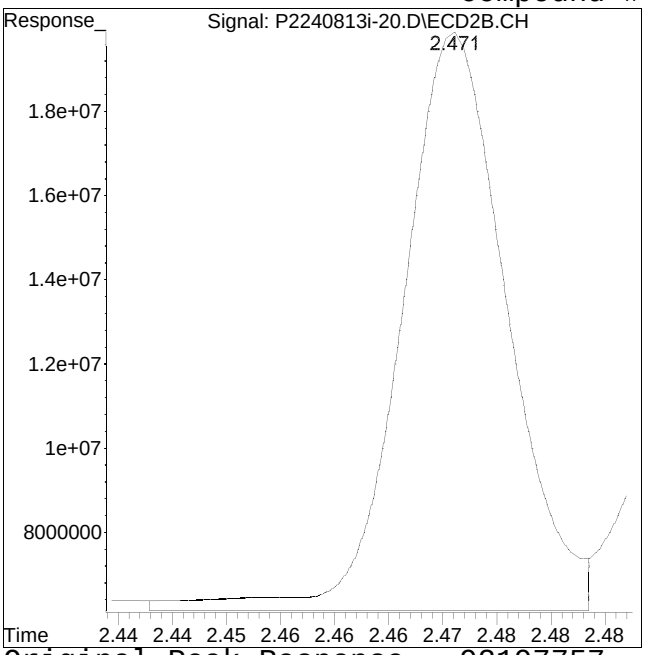


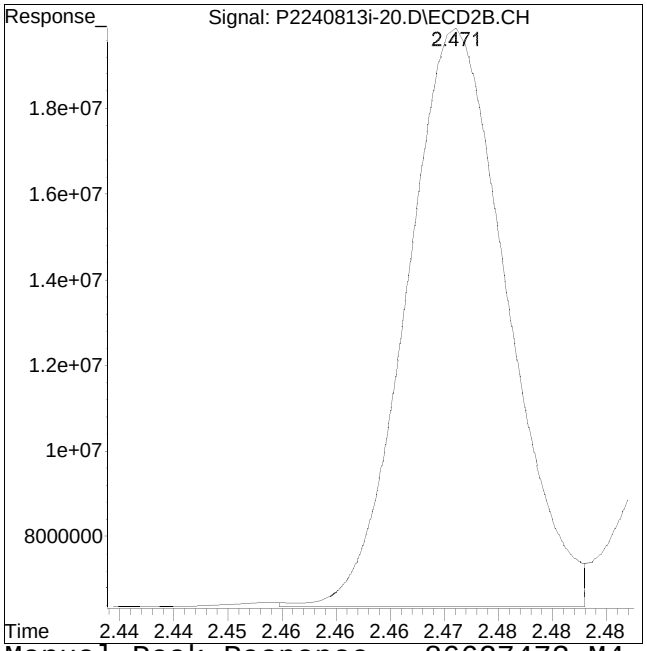
Original Peak Response = 114978801 Manual Peak Response = 105725540 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #59: 1016-5 #2



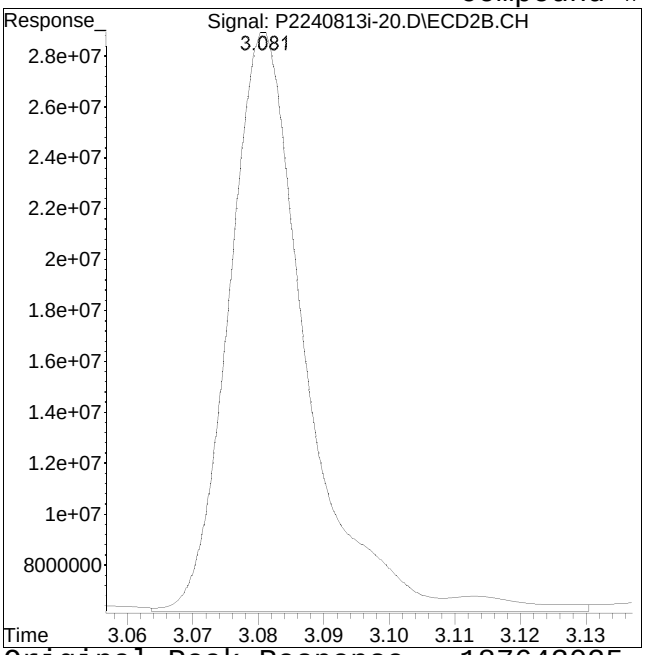


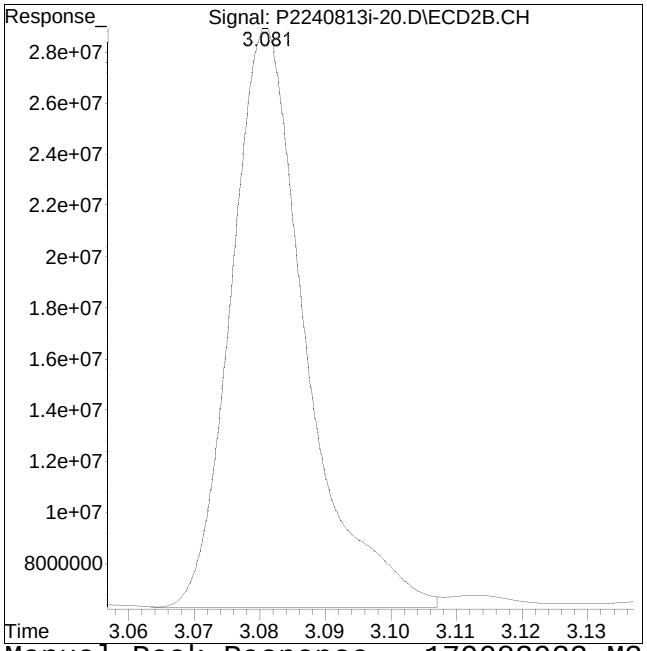
Original Peak Response = 92197757 Manual Peak Response = 86627473 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #60: 1260-1 #2



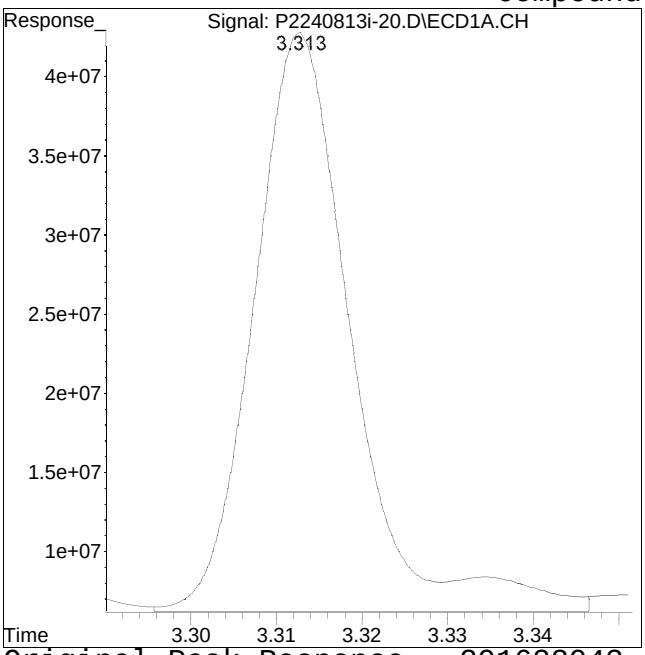


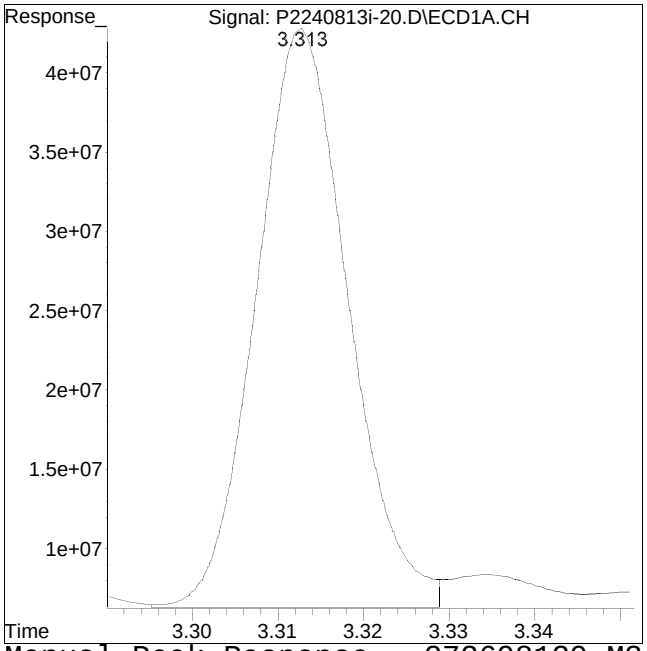
Original Peak Response = 187643025 Manual Peak Response = 179083933 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240813I\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240813i-20.D Operator : pest2:rmp
Date Inj'd : 8/13/2024 12:35 Instrument : Pest 2
Sample : cicv1660,42,,pp11621 Quant Date : 8/13/2024 1:46 pm

Compound #12: 1260-4





Original Peak Response = 291622943 Manual Peak Response = 272698129 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Continuing Calibration

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST2		**Calibration Date**	: 08/26/24 08:42	
Lab File ID	: P2240826a-04		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1963798-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	118	0
2,4,5,6-Tetrachloro-m-xylen	1.61	1.397	-	13.2	20	108	0
Decachlorobiphenyl	1.174	1.066	-	9.2	20	114	0
1016-1	0.029	0.023	-	20.7*	20	103	0
1016-2	0.054	0.054	-	0	20	117	0
1016-3	0.124	0.115	-	7.3	20	116	0
1016-4	0.051	0.047	-	7.8	20	117	0
1016-5	0.059	0.049	-	16.9	20	114	0
1260-1	0.077	0.073	-	5.2	20	120	0
1260-2	0.115	0.111	-	3.5	20	121	0
1260-3	0.07	0.057	-	18.6	20	98	0
1260-4	0.15	0.126	-	16	20	102	0
1260-5	0.111	0.092	-	17.1	20	104	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST2		**Calibration Date**	: 08/26/24 08:42	
Lab File ID	: P2240826a-04		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1963798-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	108	0
2,4,5,6-Tetrachloro-m-xylen	1.511	1.347	-	10.9	20	103	0
Decachlorobiphenyl #2	1.009	0.999	-	1	20	118	0
1016-1 #2	0.028	0.024	-	14.3	20	104	0
1016-2 #2	0.06	0.057	-	5	20	111	0
1016-3 #2	0.12	0.114	-	5	20	113	0
1016-4 #2	0.051	0.047	-	7.8	20	113	0
1016-5 #2	0.037	0.036	-	2.7	20	116	0
1260-1 #2	0.068	0.069	-	-1.5	20	111	0
1260-2 #2	0.088	0.084	-	4.5	20	111	0
1260-3 #2	0.071	0.064	-	9.9	20	104	0
1260-4 #2	0.141	0.126	-	10.6	20	104	0
1260-5 #2	0.104	0.093	-	10.6	20	109	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST2		**Calibration Date**	: 08/27/24 07:41	
Lab File ID	: P2240827a-04		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964276-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: A				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb	1	1	-	0	20	129	0
2,4,5,6-Tetrachloro-m-xylen	1.61	1.361	-	15.5	20	116	0
Decachlorobiphenyl	1.174	1.016	-	13.5	20	120	0
1016-1	0.029	0.023	-	20.7*	20	110	0
1016-2	0.054	0.053	-	1.9	20	126	0
1016-3	0.124	0.113	-	8.9	20	126	0
1016-4	0.051	0.045	-	11.8	20	125	0
1016-5	0.059	0.047	-	20.3*	20	122	0
1260-1	0.077	0.07	-	9.1	20	128	0
1260-2	0.115	0.111	-	3.5	20	134	0
1260-3	0.07	0.057	-	18.6	20	108	0
1260-4	0.15	0.123	-	18	20	110	0
1260-5	0.111	0.091	-	18	20	113	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
PCBs

Client	: Alpha Geoscience		**Lab Number**	: L2447503	
Project Name	: HUNTINGTON READY MIX		**Project Number**	: 20116	
Instrument ID	: PEST2		**Calibration Date**	: 08/27/24 07:41	
Lab File ID	: P2240827a-04		**Init. Calib. Date(s)**	: 08/13/24	08/13/24
Sample No	: WG1964276-1		**Init. Calib. Times**	: 10:14	11:48
Channel	: B				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1660_1br2nb #2	1	1	-	0	20	117	0
2,4,5,6-Tetrachloro-m-xylen	1.511	1.301	-	13.9	20	108	0
Decachlorobiphenyl #2	1.009	0.958	-	5.1	20	123	0
1016-1 #2	0.028	0.023	-	17.9	20	110	0
1016-2 #2	0.06	0.055	-	8.3	20	118	0
1016-3 #2	0.12	0.112	-	6.7	20	121	0
1016-4 #2	0.051	0.045	-	11.8	20	120	0
1016-5 #2	0.037	0.036	-	2.7	20	123	0
1260-1 #2	0.068	0.066	-	2.9	20	117	0
1260-2 #2	0.088	0.083	-	5.7	20	120	0
1260-3 #2	0.071	0.063	-	11.3	20	112	0
1260-4 #2	0.141	0.122	-	13.5	20	110	0
1260-5 #2	0.104	0.091	-	12.5	20	115	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:42
Operator : pest2:sdc
Sample : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	118	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.397	13.2	108	0.00
3	s	Decachlorobiphenyl		1.174	1.066	9.2	114	0.00
4	l1	1016-1		0.029	0.023	20.7#	103	0.00
5	l1	1016-2		0.054	0.054	0.0	117	0.00
6	l1	1016-3		0.124	0.115	7.3	116	0.00
7	l1	1016-4		0.051	0.047	7.8	117	0.00
8	l1	1016-5		0.059	0.049	16.9	114	0.00
9	l2	1260-1		0.077	0.073	5.2	120	0.00
10	l2	1260-2		0.115	0.111	3.5	121	0.00
11	l2	1260-3		0.070	0.057	18.6	98	0.00
12	l2	1260-4		0.150	0.126	16.0	102	0.00
13	l2	1260-5		0.111	0.092	17.1	104	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	108	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.511	1.347	10.9	103	0.00
54	s	Decachlorobiphenyl #2		1.009	0.999	1.0	118	0.00
55	l1	1016-1 #2		0.028	0.024	14.3	104	0.00
56	l1	1016-2 #2		0.060	0.057	5.0	111	0.00
57	l1	1016-3 #2		0.120	0.114	5.0	113	0.00
58	l1	1016-4 #2		0.051	0.047	7.8	113	0.00
59	l1	1016-5 #2		0.037	0.036	2.7	116	0.00
60	l2	1260-1 #2		0.068	0.069	-1.5	111	0.00
61	l2	1260-2 #2		0.088	0.084	4.5	111	0.00
62	l2	1260-3 #2		0.071	0.064	9.9	104	0.00
63	l2	1260-4 #2		0.141	0.126	10.6	104	0.00
64	l2	1260-5 #2		0.104	0.093	10.6	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 26 Aug 2024   8:42
Operator : pest2:sdc
Sample   : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
,,,pp 11621 (Sig #2)
Misc   : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
...   1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:42
Operator : pest2:sdc
Sample : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.190	1.255	222.3E6	242.9E6	25.000M4	25.000M4
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.473	1.626	198.8E6	209.4E6	13.884	14.264
	Spiked Amount	20.000	Range 30 - 150		Recovery =	69.42%	71.32%
3) s	Decachlorobi	4.039	4.549	303.3E6	310.5E6	29.043	31.676
	Spiked Amount	20.000	Range 30 - 150		Recovery =	145.22%	158.38%#
	Target Compounds						
4) l1	1016-1	1.610	1.826	51529859	57472114	200.856M3	213.650
5) l1	1016-2	1.751	1.996	120.7E6	137.7E6	249.042M4	235.299
6) l1	1016-3	1.940	2.196	255.7E6	277.0E6	232.811M4	237.139M4
7) l1	1016-4	1.994	2.256	104.0E6	113.0E6	231.417M4	229.825M4
8) l1	1016-5	2.164	2.466	107.8E6	88490988	204.103M4	247.753M4
	Sum 1016-1			639.8E6	673.8E6	1118.229	1163.666
	Average 1016-1					223.646	232.733
9) l2	1260-1	2.706	3.075	161.5E6	166.5E6	235.733M4	252.748M4
10) l2	1260-2	2.836	3.176	246.8E6	203.2E6	242.372M4	237.093M4
11) l2	1260-3	3.152	3.568	127.2E6	155.0E6	203.978M4	223.481M4
12) l2	1260-4	3.307	3.698	279.2E6	305.0E6	208.959M4	222.350

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:42
Operator : pest2:sdc
Sample : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2 1260-5	3.455	3.900	205.2E6	226.1E6	207.336M1	223.682
Sum 1260-1			1020.0E6	1055.8E6	1098.378	1159.354
Average 1260-1					219.676	231.871
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:42
Operator : pest2:sdc
Sample : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

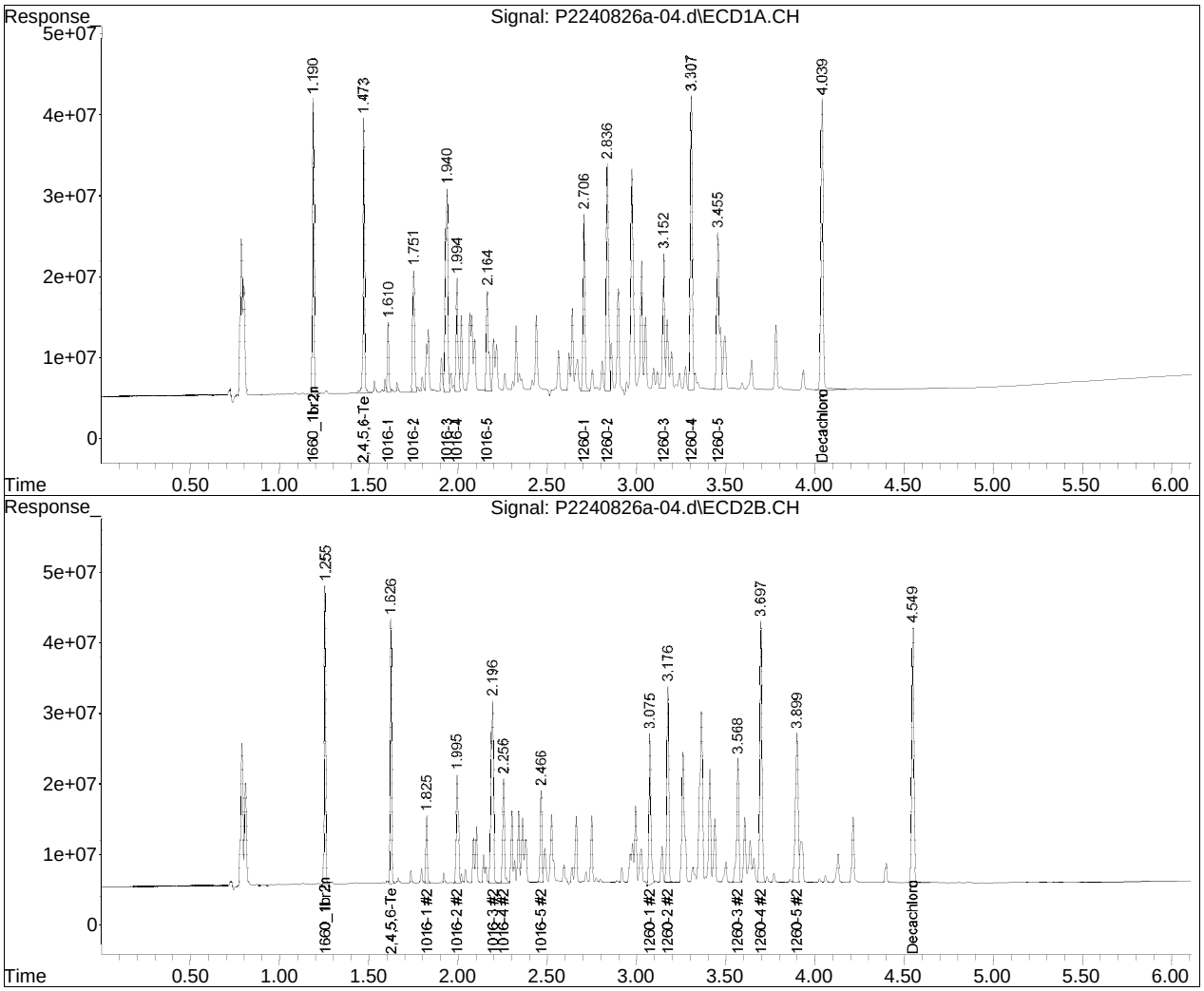
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-04.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 8:42
Operator : pest2:sdc
Sample : wg1963798-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
Misc : wg1963798,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 26 09:01:55 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

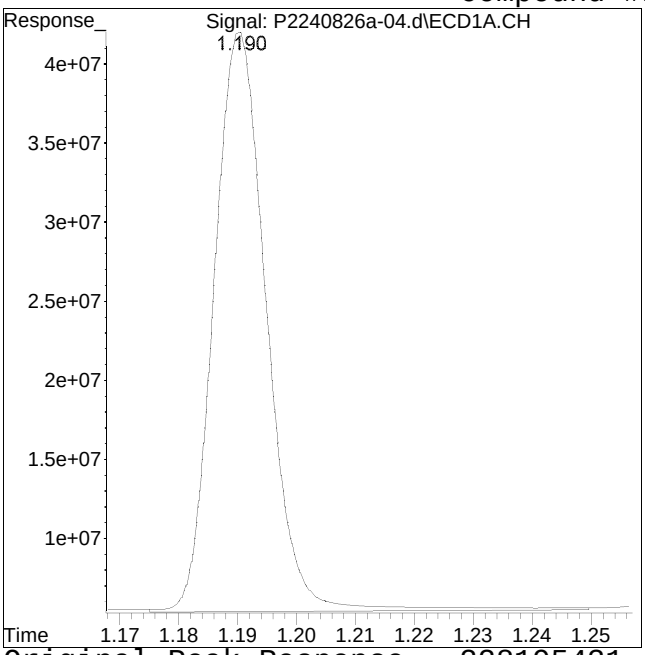
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



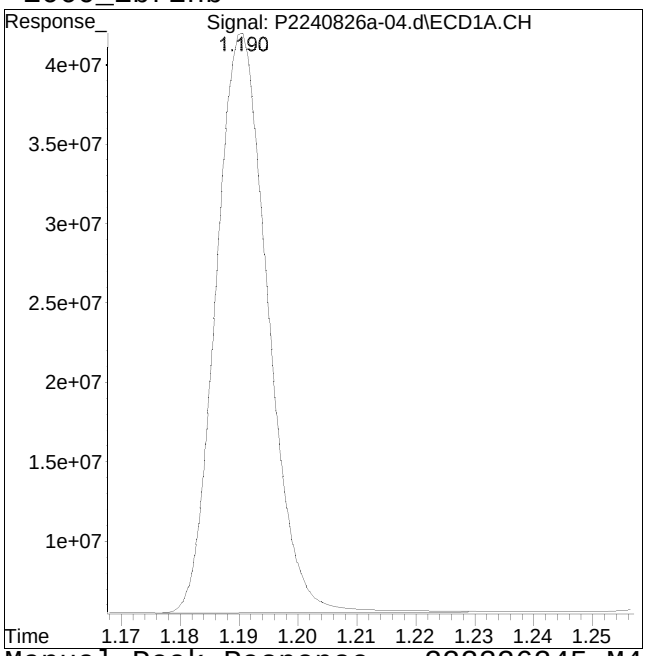
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #1: 1660_1br2nb



Original Peak Response = 228195431



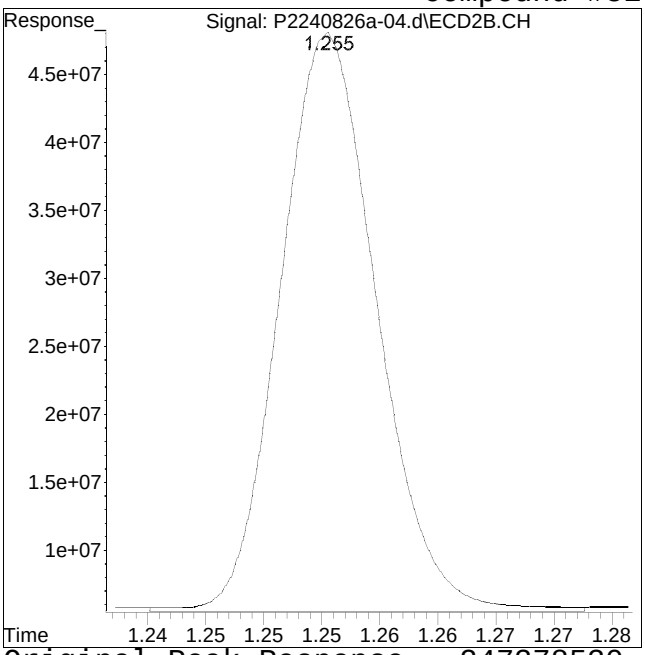
Manual Peak Response = 222326245 M4

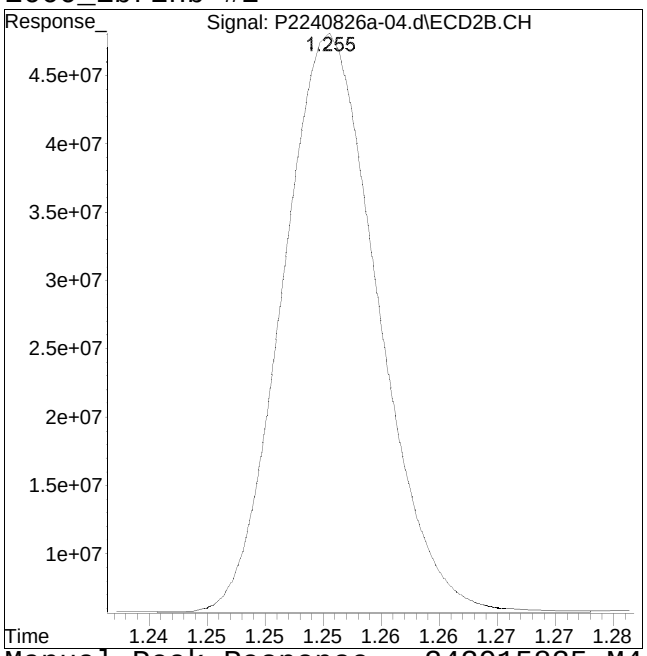
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #52: 1660_1br2nb #2



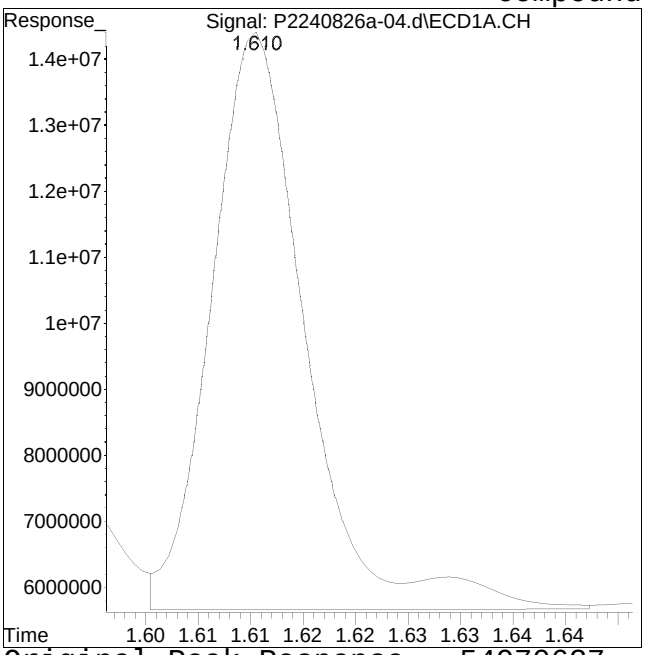


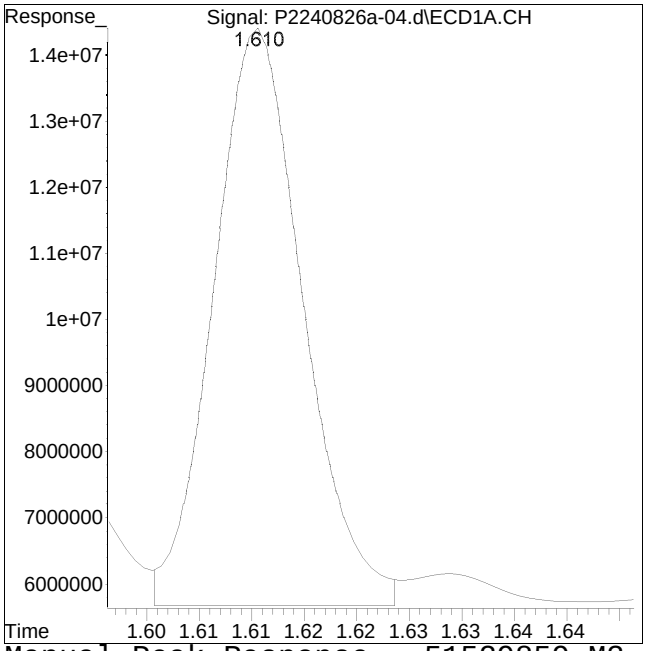
Original Peak Response = 247378530 Manual Peak Response = 242915835 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #4: 1016-1



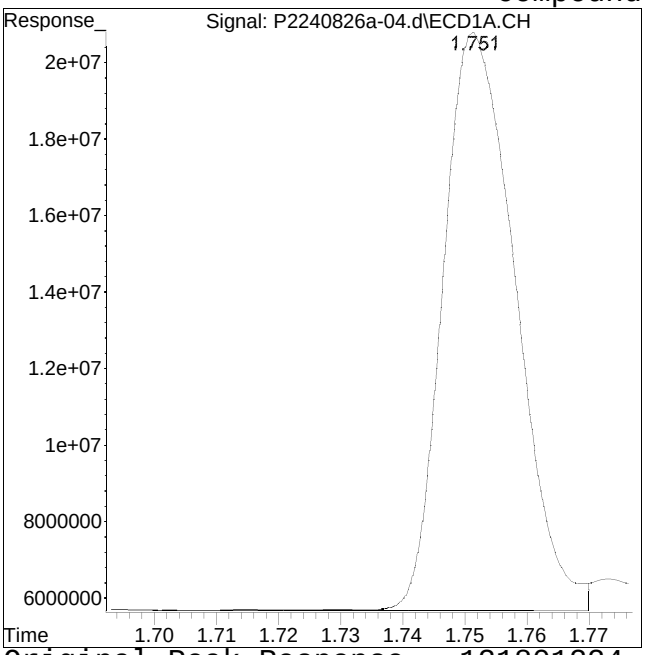


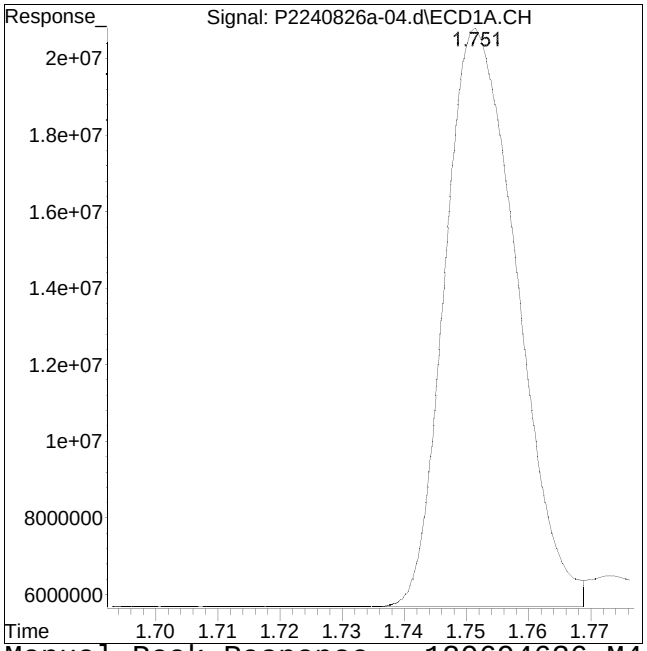
Original Peak Response = 54970637 Manual Peak Response = 51529859 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #5: 1016-2



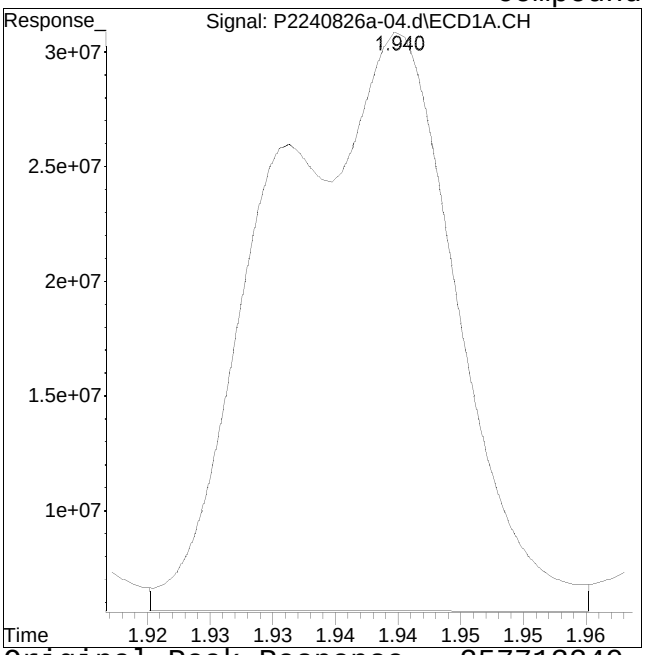


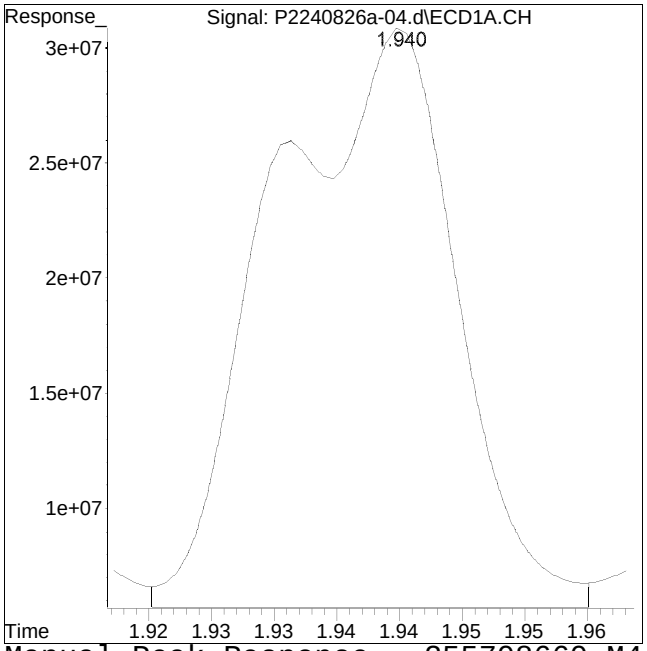
Original Peak Response = 121801224 Manual Peak Response = 120694636 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #6: 1016-3



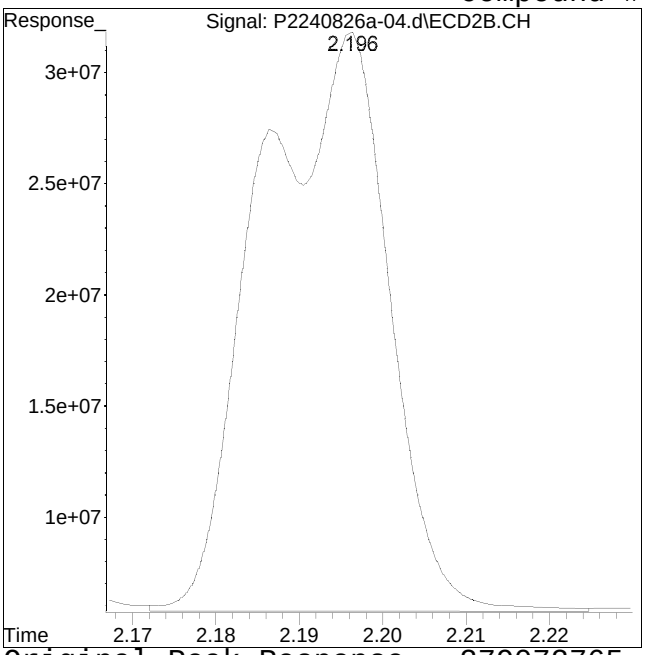


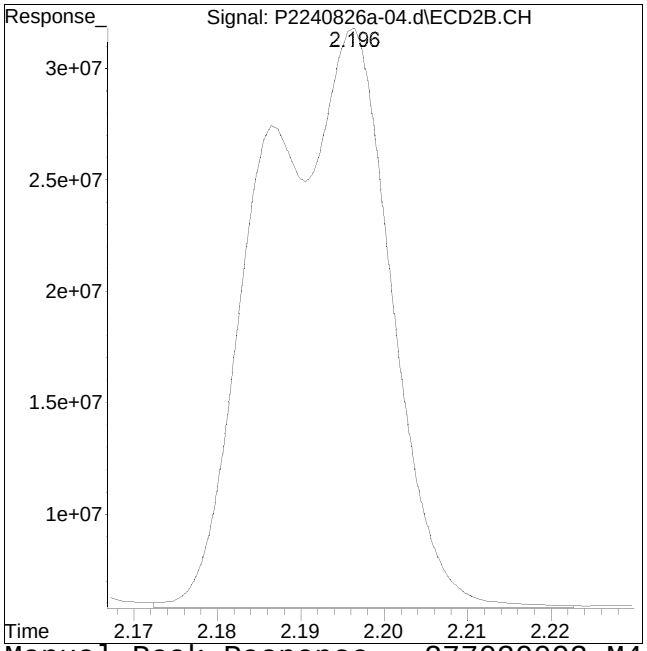
Original Peak Response = 257713340 Manual Peak Response = 255708660 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #57: 1016-3 #2



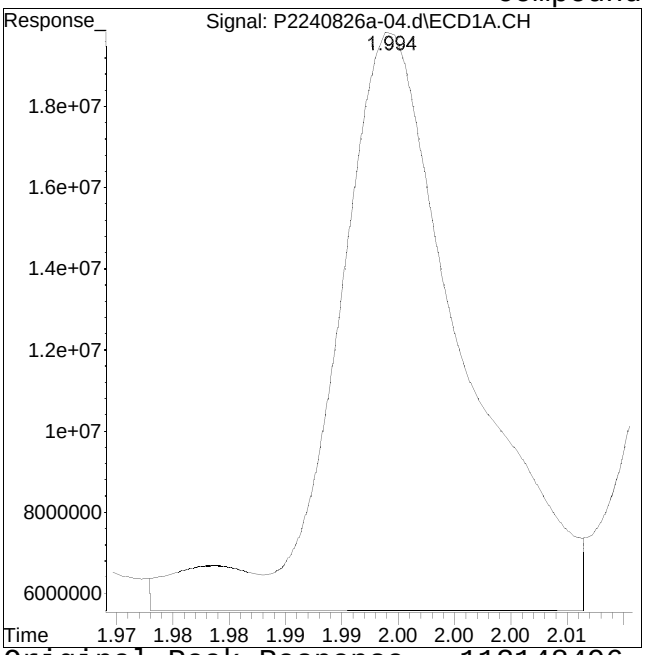


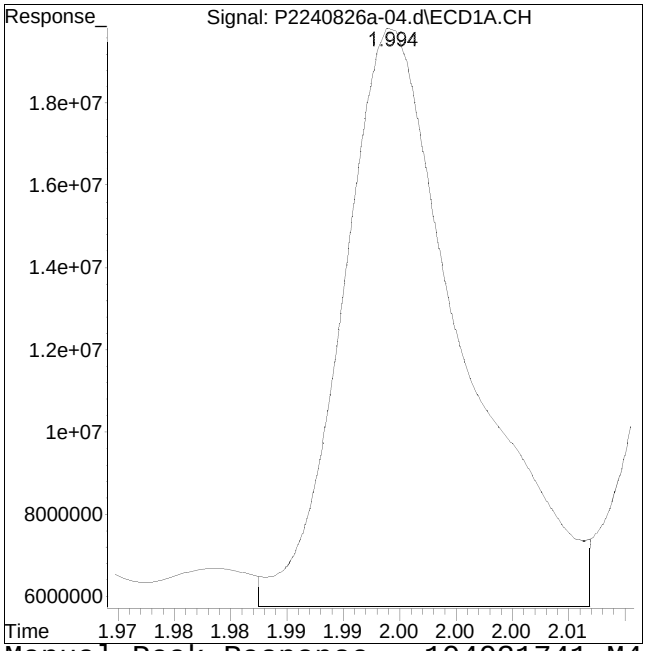
Original Peak Response = 279072765 Manual Peak Response = 277030093 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #7: 1016-4



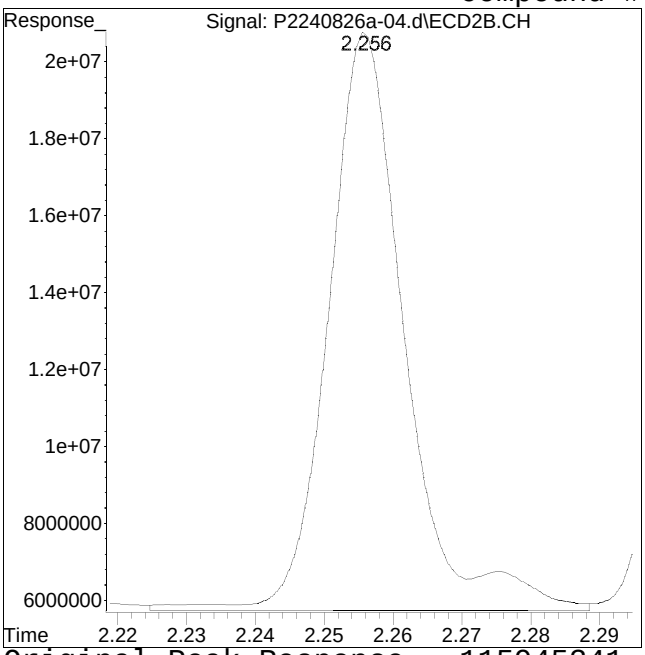


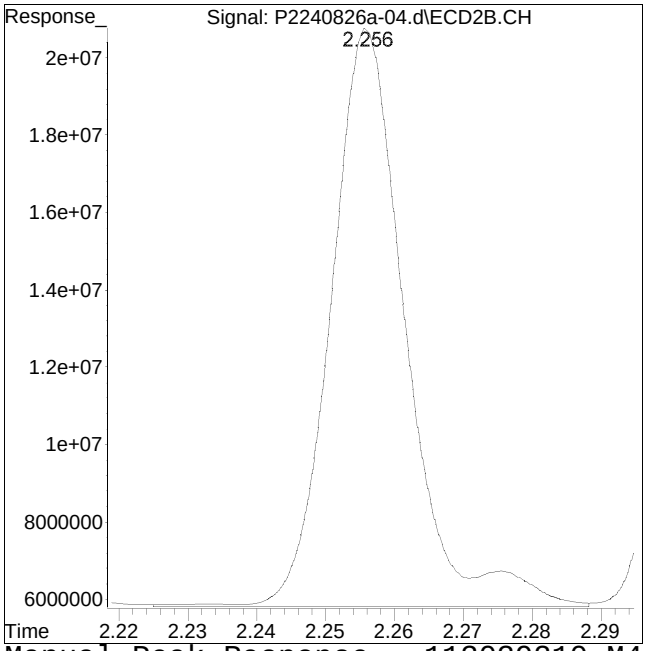
Original Peak Response = 112148496 Manual Peak Response = 104031741 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #58: 1016-4 #2



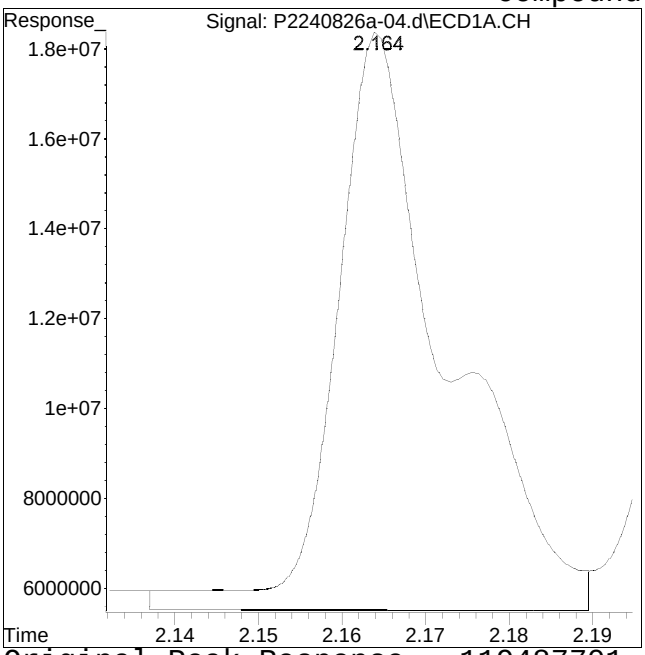


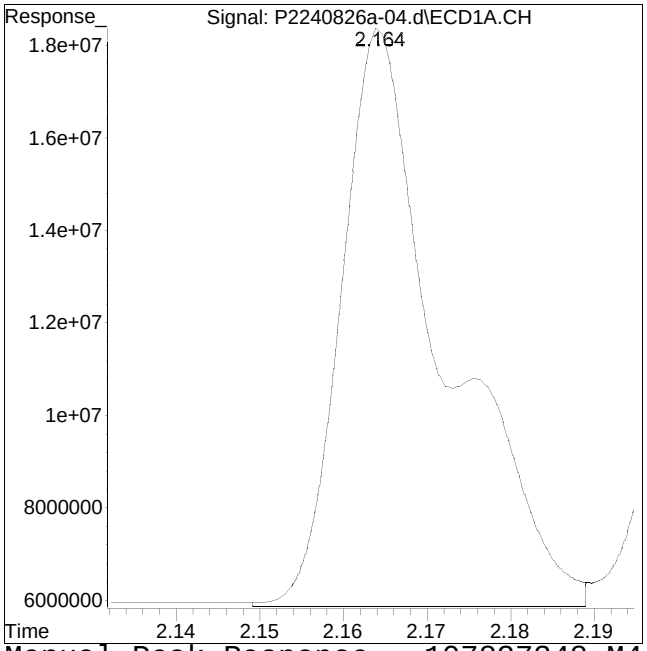
Original Peak Response = 115945341 Manual Peak Response = 113039210 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #8: 1016-5



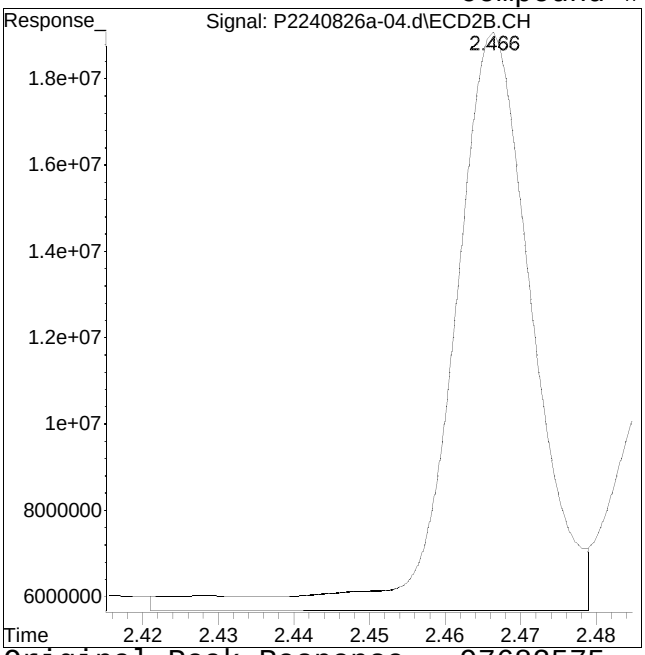


Original Peak Response = 119487701 Manual Peak Response = 107837348 M4
M4 = Poor automated baseline construction.

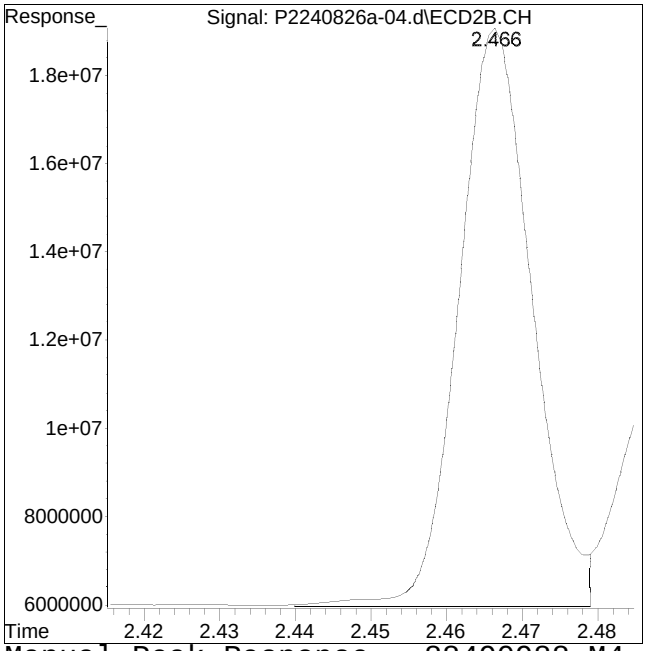
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #59: 1016-5 #2



Original Peak Response = 97682575



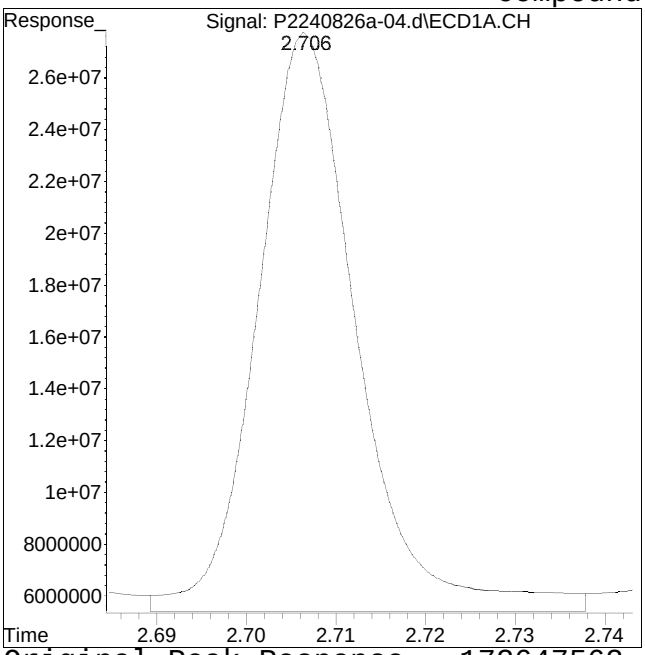
Manual Peak Response = 88490988 M4

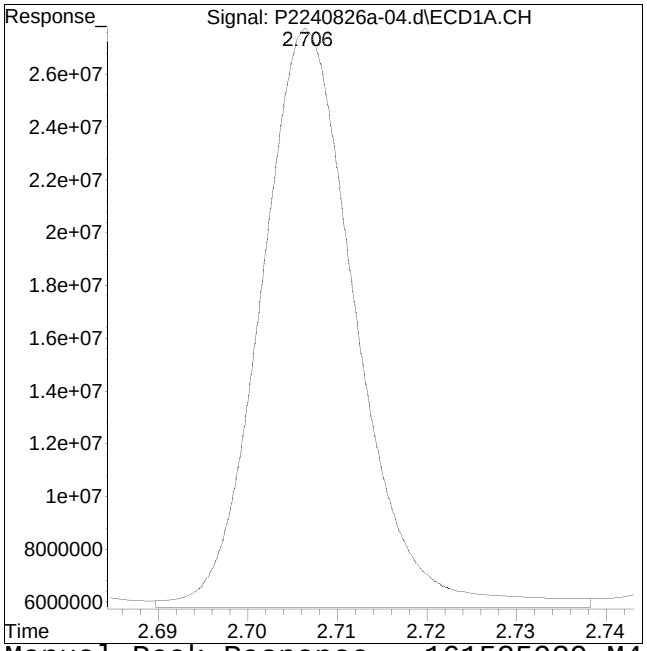
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #9: 1260-1



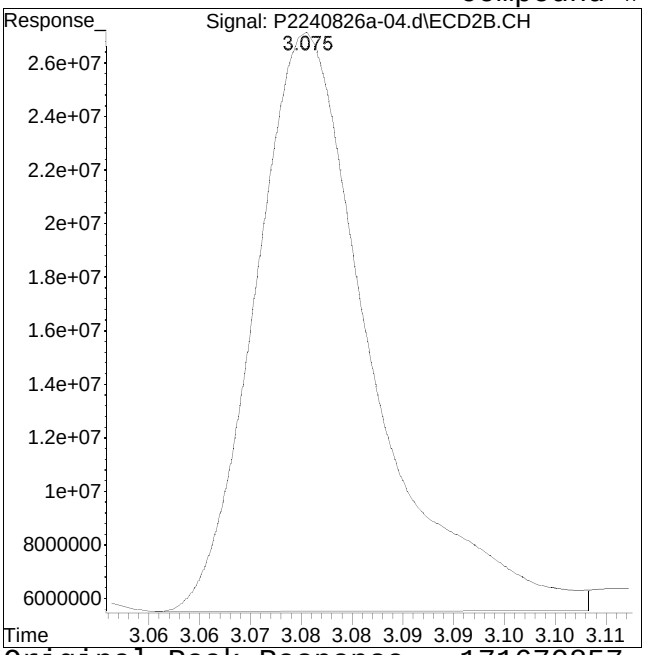


Original Peak Response = 172647562 Manual Peak Response = 161525939 M4
M4 = Poor automated baseline construction.

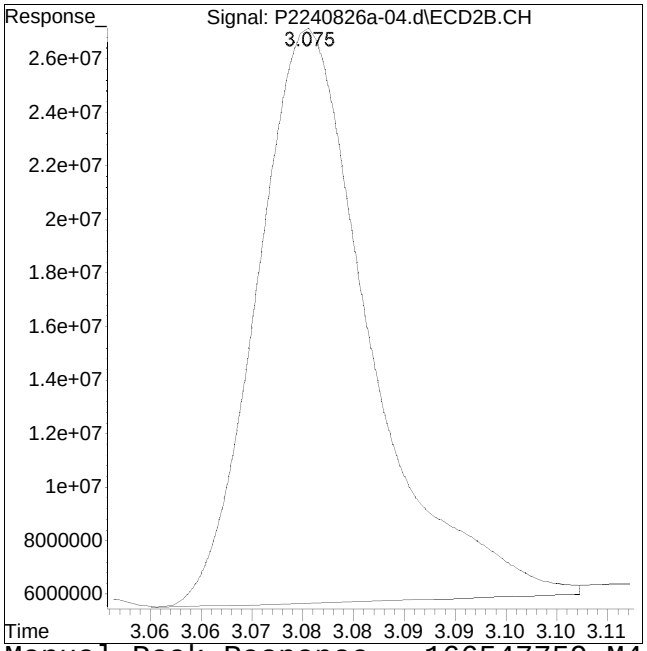
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #60: 1260-1 #2



Original Peak Response = 171670857



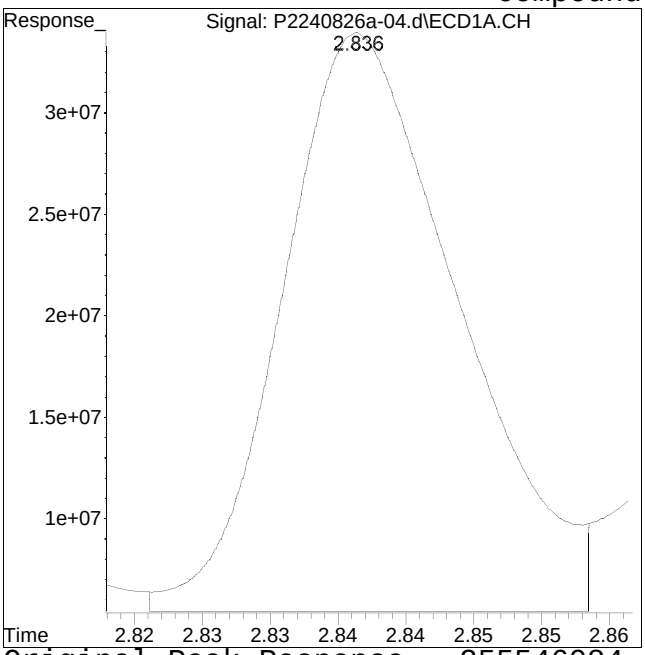
Manual Peak Response = 166547759 M4

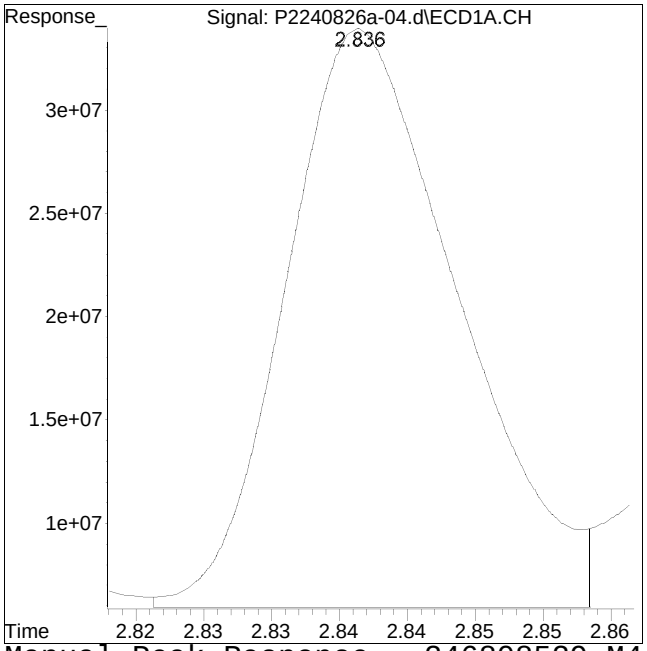
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #10: 1260-2



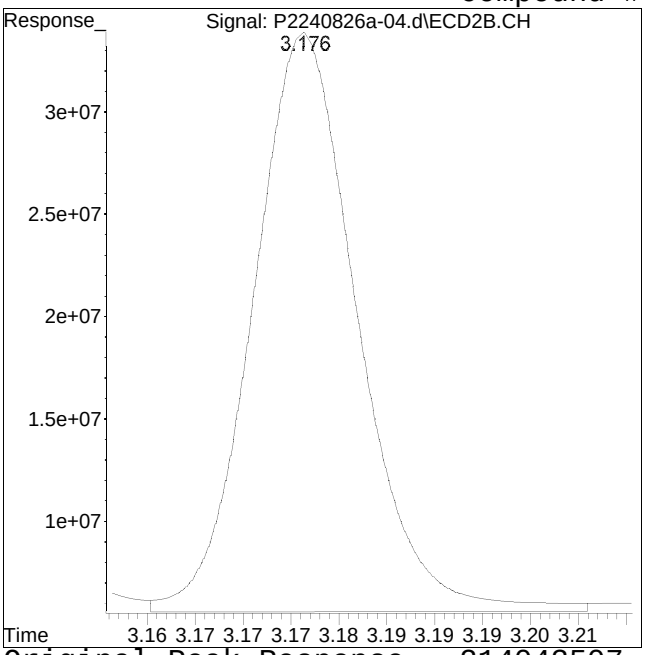


Original Peak Response = 255546984 Manual Peak Response = 246808529 M4
M4 = Poor automated baseline construction.

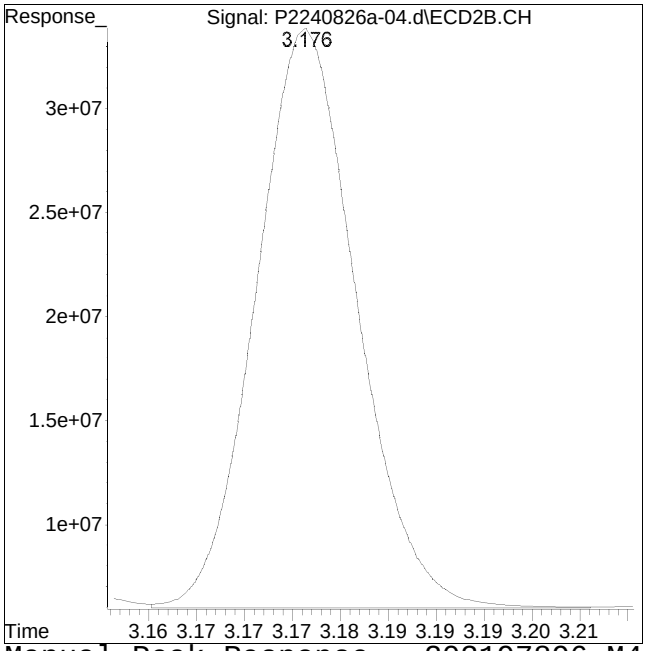
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #61: 1260-2 #2



Original Peak Response = 214043507



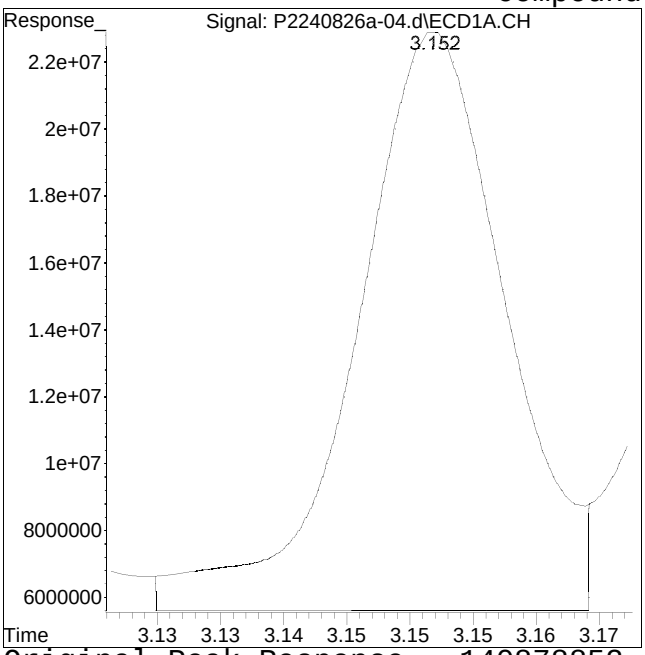
Manual Peak Response = 203197896 M4

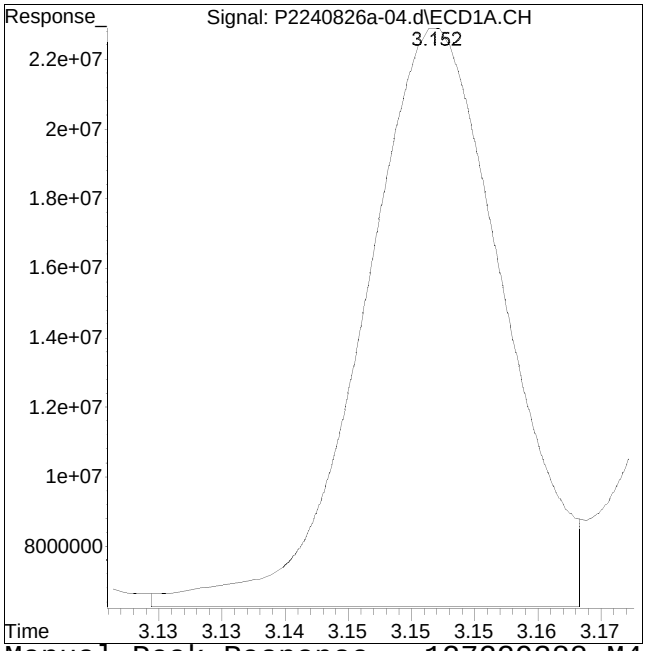
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #11: 1260-3



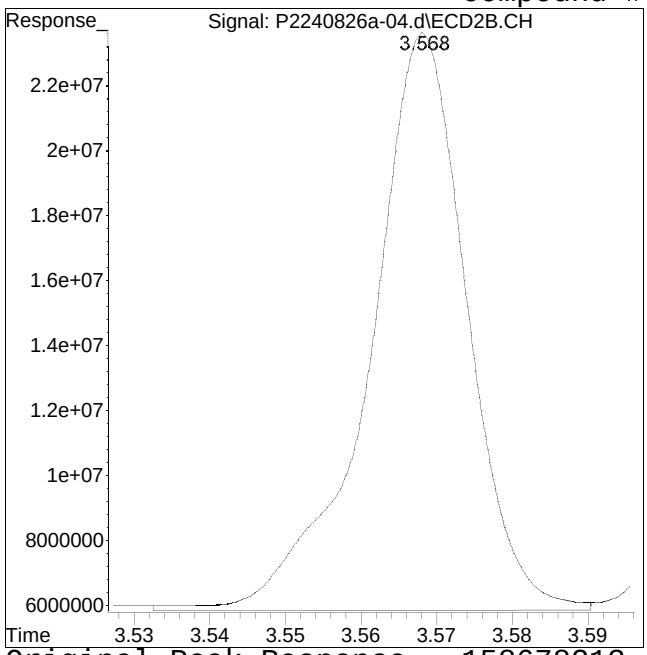


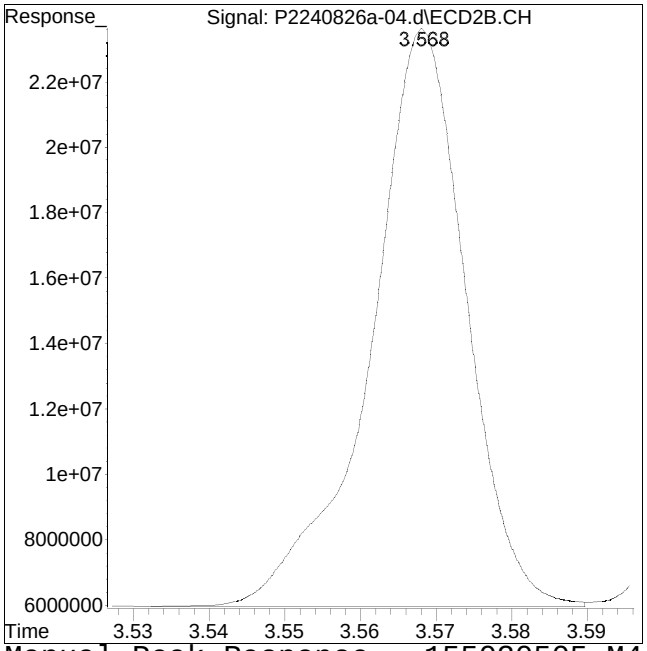
Original Peak Response = 140878852 Manual Peak Response = 127229388 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #62: 1260-3 #2



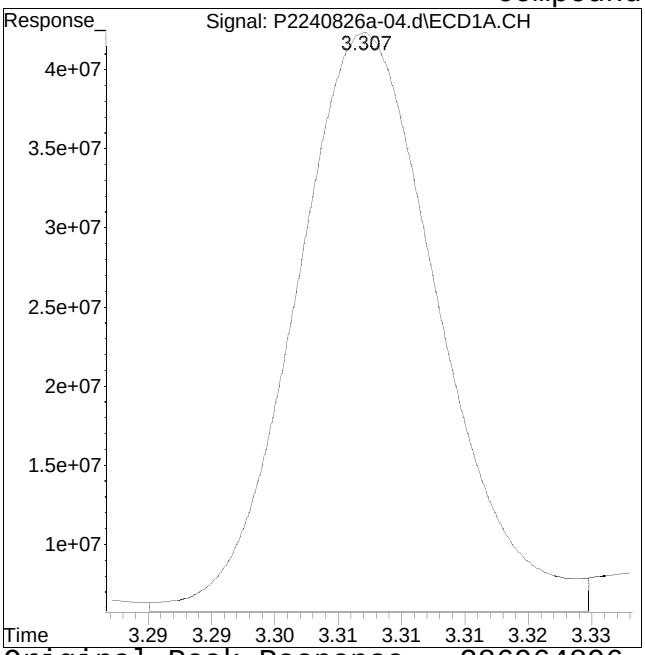


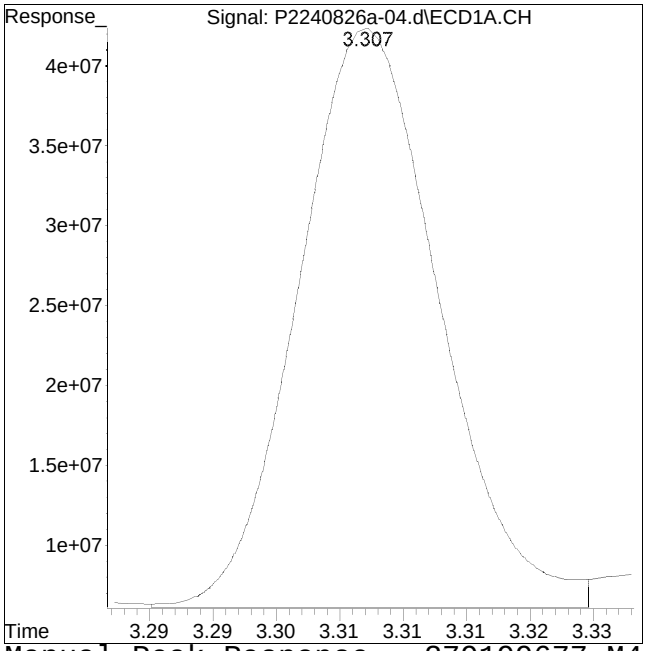
Original Peak Response = 158678213 Manual Peak Response = 155030505 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #12: 1260-4



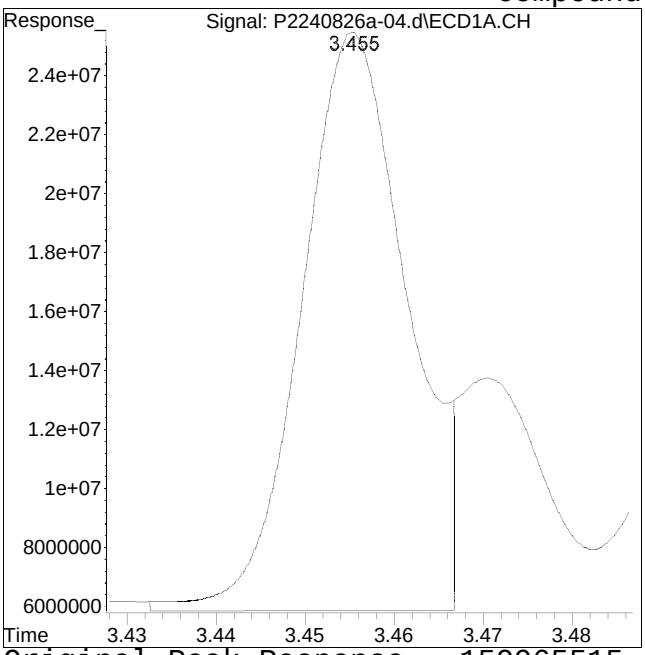


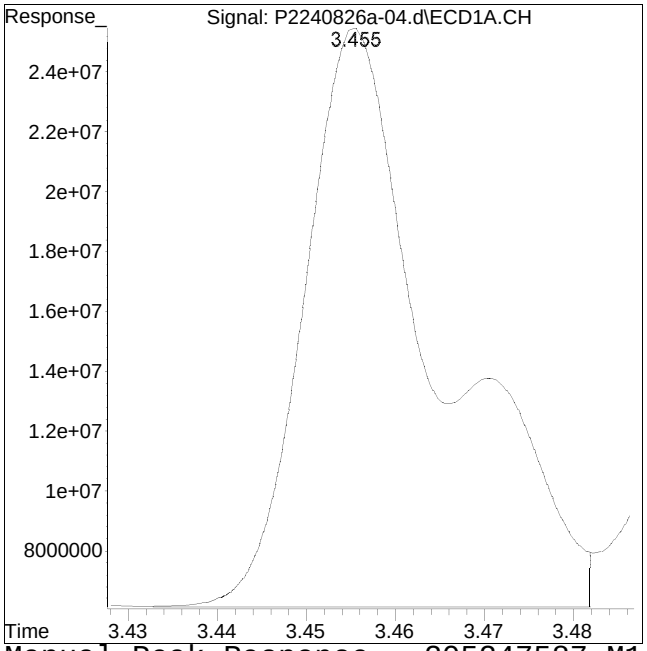
Original Peak Response = 286964896 Manual Peak Response = 279199677 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-04.d Operator : pest2:sdc
Date Inj'd : 8/26/2024 8:42 Instrument : Pest 2
Sample : wg1963798-1,42,, +1660 lviQuant Date : 8/26/2024 9:01 am

Compound #13: 1260-5





Original Peak Response = 159965515 Manual Peak Response = 205247587 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 7:41
Operator : pest2:sdc
Sample : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	i	1660_1br2nb	^	1.000	1.000	0.0	129	0.00
2	s	2,4,5,6-Tetrachloro-m-xylen		1.610	1.361	15.5	116	0.00
3	s	Decachlorobiphenyl		1.174	1.016	13.5	120	0.00
4	l1	1016-1		0.029	0.023	20.7#	110	0.00
5	l1	1016-2		0.054	0.053	1.9	126	0.00
6	l1	1016-3		0.124	0.113	8.9	126	0.00
7	l1	1016-4		0.051	0.045	11.8	125	0.00
8	l1	1016-5		0.059	0.047	20.3#	122	0.00
9	l2	1260-1		0.077	0.070	9.1	128	0.00
10	l2	1260-2		0.115	0.111	3.5	134	0.00
11	l2	1260-3		0.070	0.057	18.6	108	0.00
12	l2	1260-4		0.150	0.123	18.0	110	0.00
13	l2	1260-5		0.111	0.091	18.0	113	0.00
52	i	1660_1br2nb #2	^	1.000	1.000	0.0	117	0.00
53	s	2,4,5,6-Tetrachloro-m-xylen		1.511	1.301	13.9	108	0.00
54	s	Decachlorobiphenyl #2		1.009	0.958	5.1	123	0.00
55	l1	1016-1 #2		0.028	0.023	17.9	110	0.00
56	l1	1016-2 #2		0.060	0.055	8.3	118	0.00
57	l1	1016-3 #2		0.120	0.112	6.7	121	0.00
58	l1	1016-4 #2		0.051	0.045	11.8	120	0.00
59	l1	1016-5 #2		0.037	0.036	2.7	123	0.00
60	l2	1260-1 #2		0.068	0.066	2.9	117	0.00
61	l2	1260-2 #2		0.088	0.083	5.7	120	0.00
62	l2	1260-3 #2		0.071	0.063	11.3	112	0.00
63	l2	1260-4 #2		0.141	0.122	13.5	110	0.00
64	l2	1260-5 #2		0.104	0.091	12.5	115	0.00

Evaluate Continuing Calibration Report

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 27 Aug 2024   7:41
Operator : pest2:sdc
Sample   : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
,,,pp 11621 (Sig #2)
Misc   : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
...   1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area% Dev(Min)

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0
(^) = ISTD area calculated using ICAL average

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 7:41
Operator : pest2:sdc
Sample : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
	Internal Standards						
1) i	1660_1br2nb	1.189	1.254	244.8E6	263.7E6	25.000	25.000M3
	System Monitoring Compounds						
2) s	2,4,5,6-Tetr	1.472	1.625	213.3E6	219.6E6	13.531	13.781
	Spiked Amount	20.000	Range 30 - 150		Recovery =	67.66%	68.91%
3) s	Decachlorobi	4.038	4.547	318.5E6	323.4E6	27.694	30.392
	Spiked Amount	20.000	Range 30 - 150		Recovery =	138.47%	151.96%#
	Target Compounds						
4) l1	1016-1	1.609	1.824	55370356	60880641	196.009M3	208.465
5) l1	1016-2	1.750	1.994	130.0E6	145.5E6	243.628	228.909
6) l1	1016-3	1.938	2.195	275.8E6	295.7E6	228.083	233.169M4
7) l1	1016-4	1.993	2.254	110.9E6	119.5E6	224.105M3	223.799M4
8) l1	1016-5	2.162	2.465	115.6E6	93810286	198.714M4	241.923M4
	Sum 1016-1			687.8E6	715.4E6	1090.539	1136.266
	Average 1016-1					218.108	227.253
9) l2	1260-1	2.705	3.074	172.4E6	174.9E6	228.493M4	244.544M4
10) l2	1260-2	2.835	3.175	272.3E6	218.8E6	242.855M4	235.143M4
11) l2	1260-3	3.151	3.568	140.1E6	166.4E6	204.054M4	220.965M4
12) l2	1260-4	3.306	3.696	300.5E6	322.5E6	204.264M4	216.546M4

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 7:41
Operator : pest2:sdc
Sample : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
13) l2 1260-5	3.454	3.898	222.6E6	239.1E6	204.239M4	217.919M4
Sum 1260-1			1108.0E6	1121.7E6	1083.905	1135.116
Average 1260-1					216.781	227.023
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

SemiQuant Compounds - Not Calibrated on this Instrument

Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 7:41
Operator : pest2:sdc
Sample : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv ,,,pp 11621 (Sig #2)
Misc : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2 ... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l

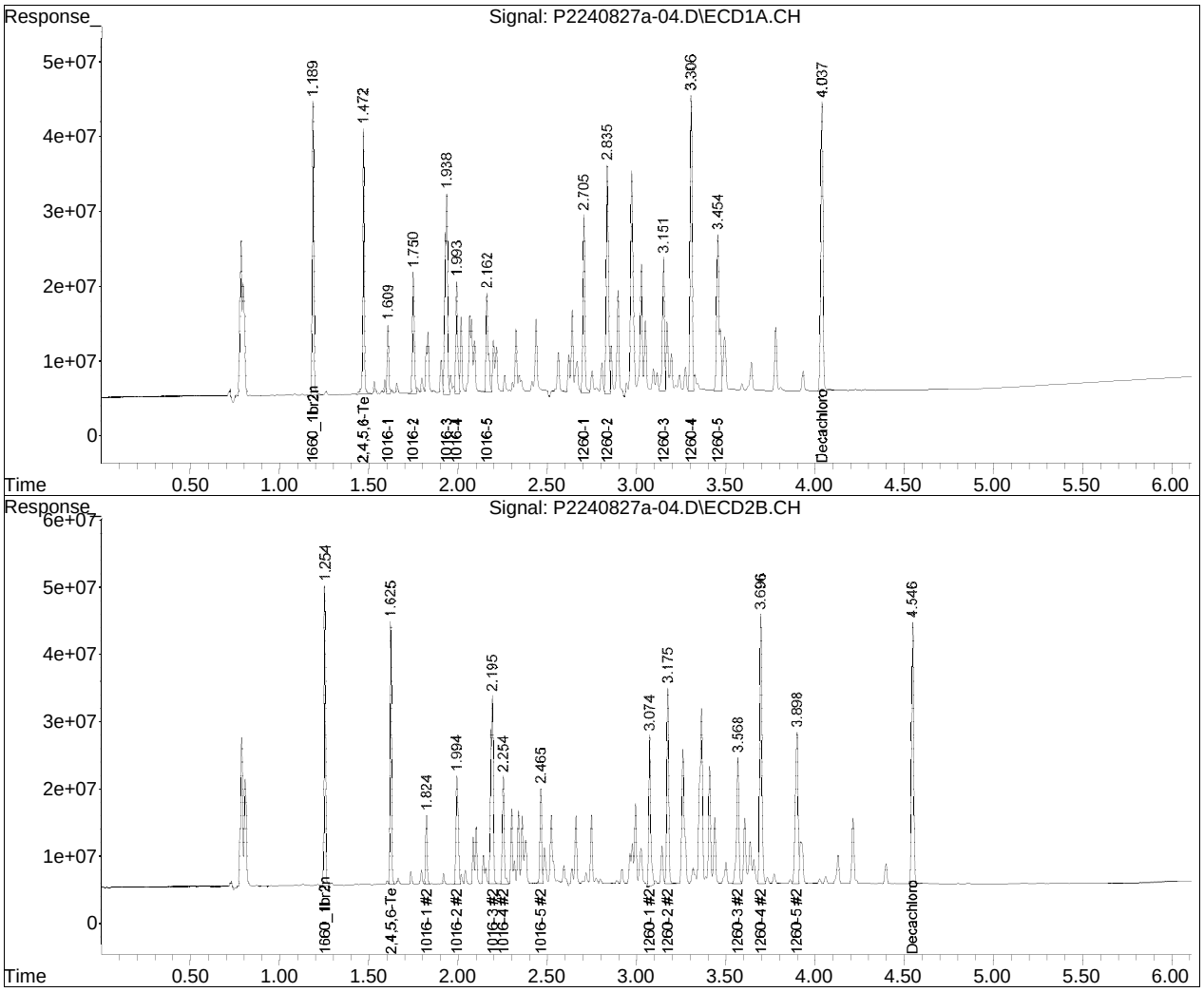
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660ation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-04.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 7:41
Operator : pest2:sdc
Sample : wg1964276-1,42,, +1660 lvi icv,,,pp 11621 (Sig #1); +1660 lvi icv
Misc : wg1964276,,ical21389
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 08:11:19 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

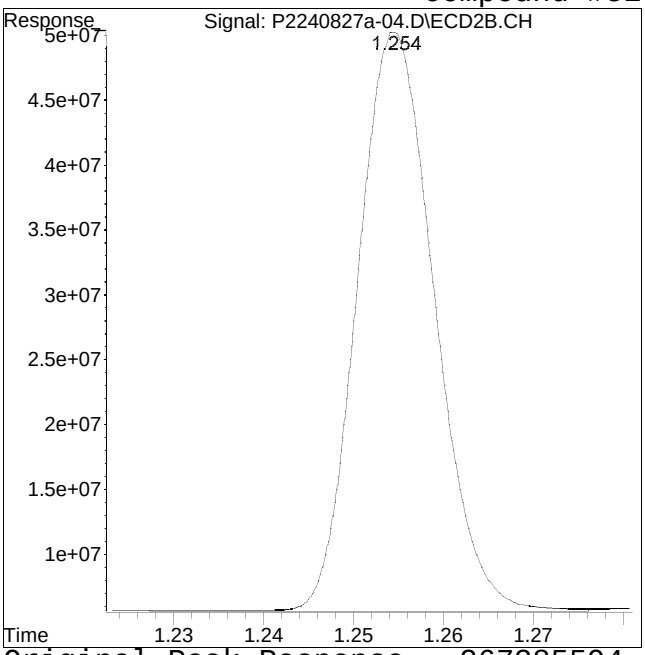
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

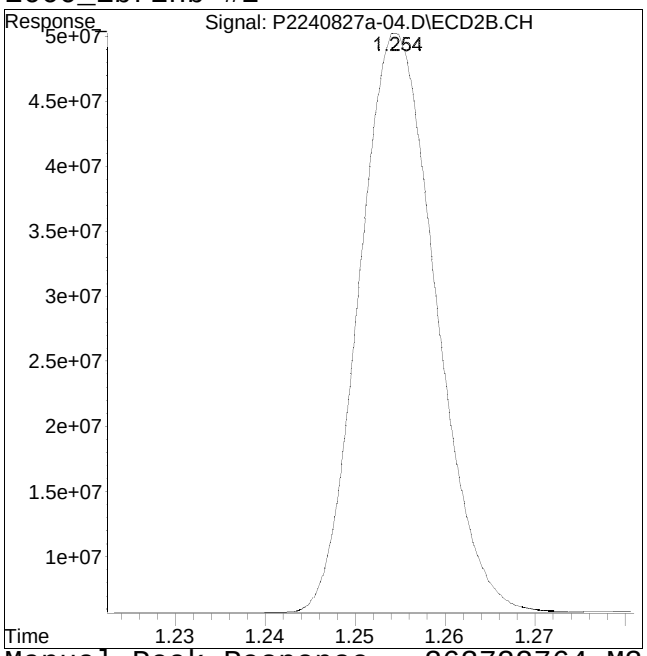


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #52: 1660_1br2nb #2



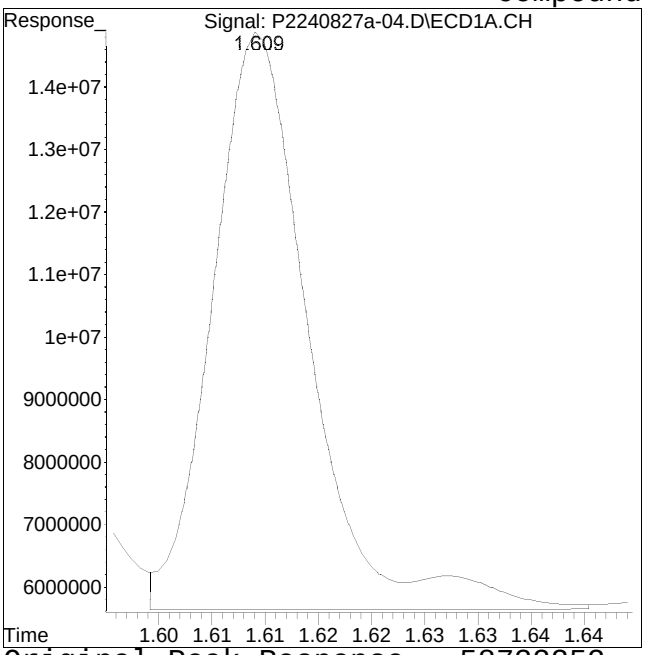


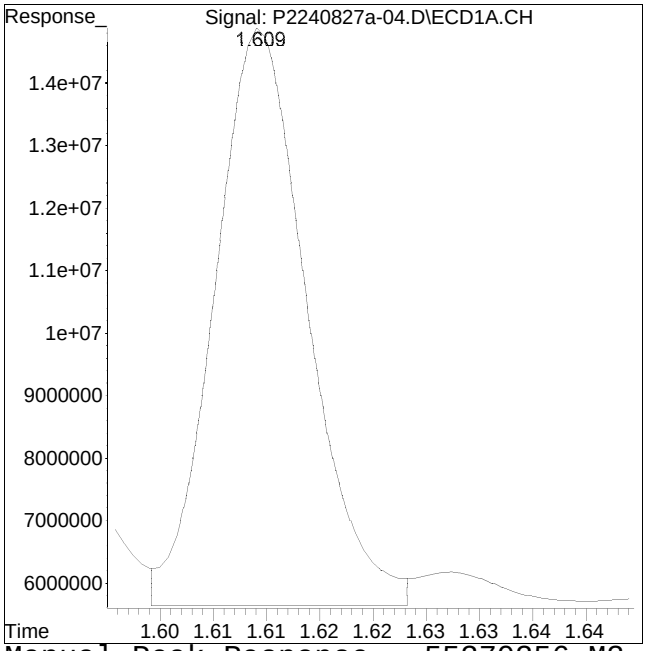
Original Peak Response = 267385594 Manual Peak Response = 263722764 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #4: 1016-1



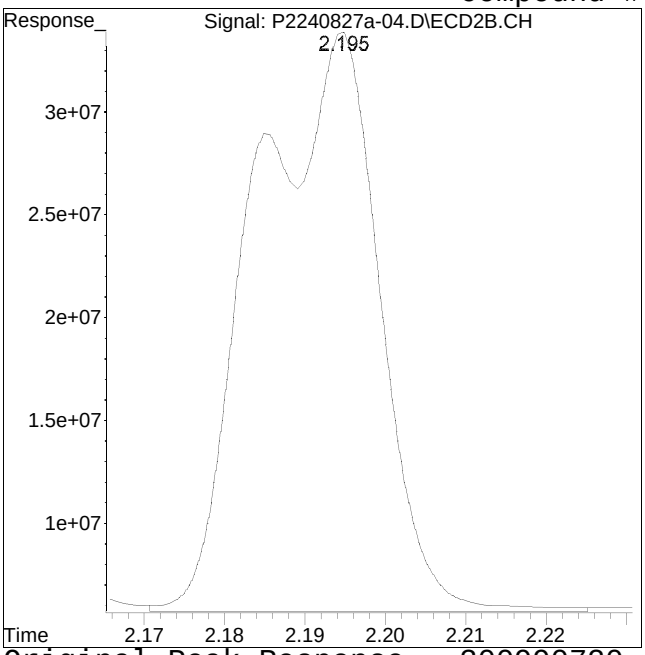


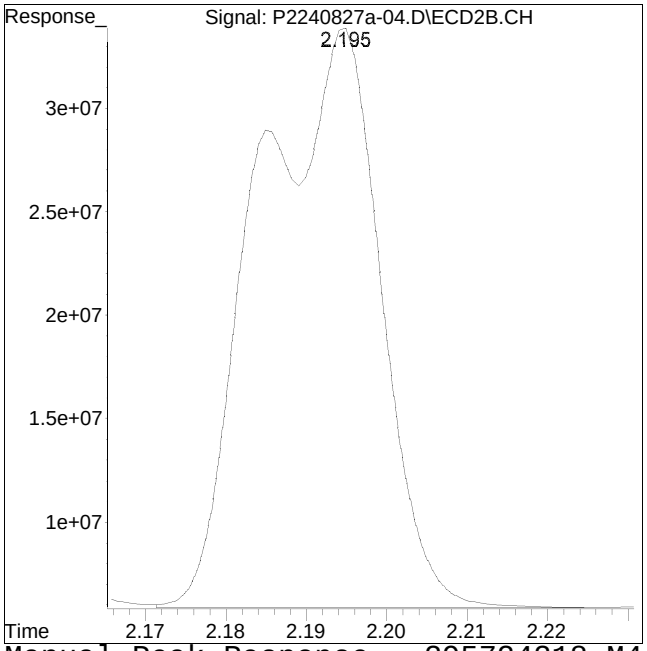
Original Peak Response = 58732252 Manual Peak Response = 55370356 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #57: 1016-3 #2



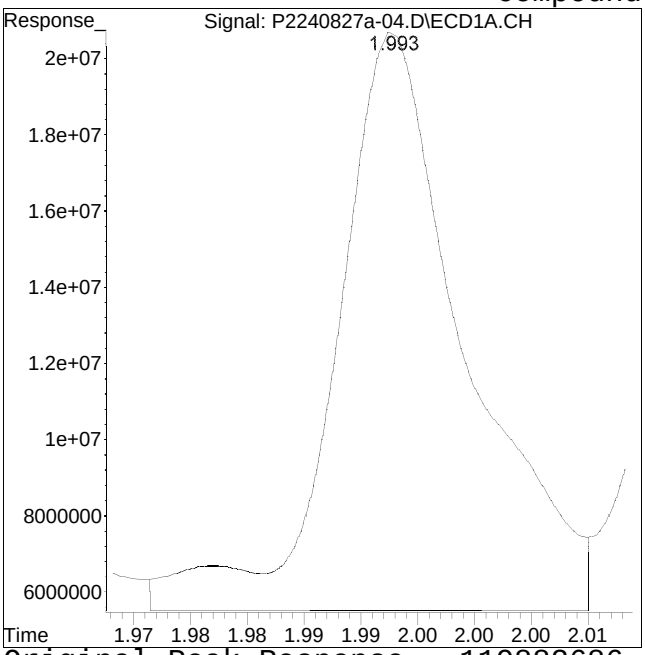


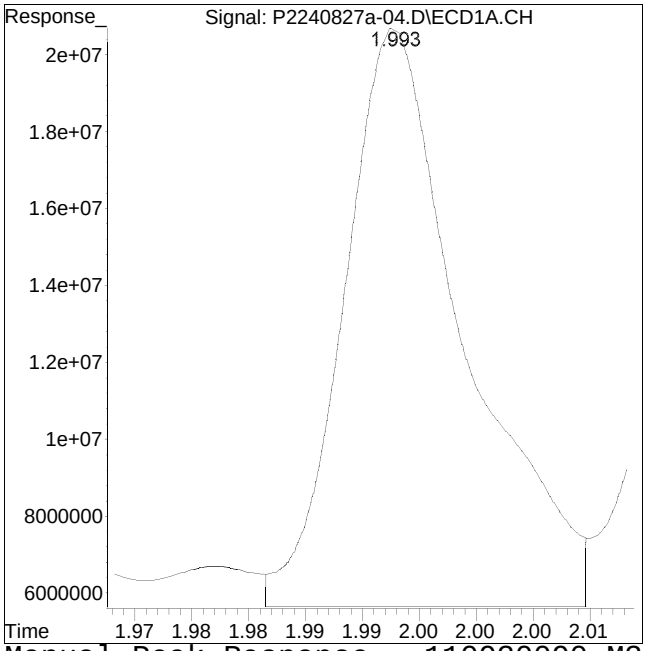
Original Peak Response = 300990720 Manual Peak Response = 295724218 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #7: 1016-4



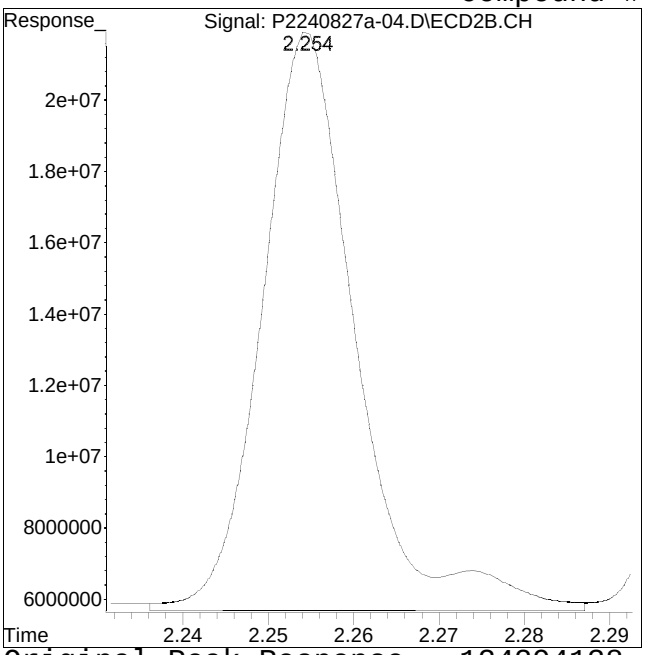


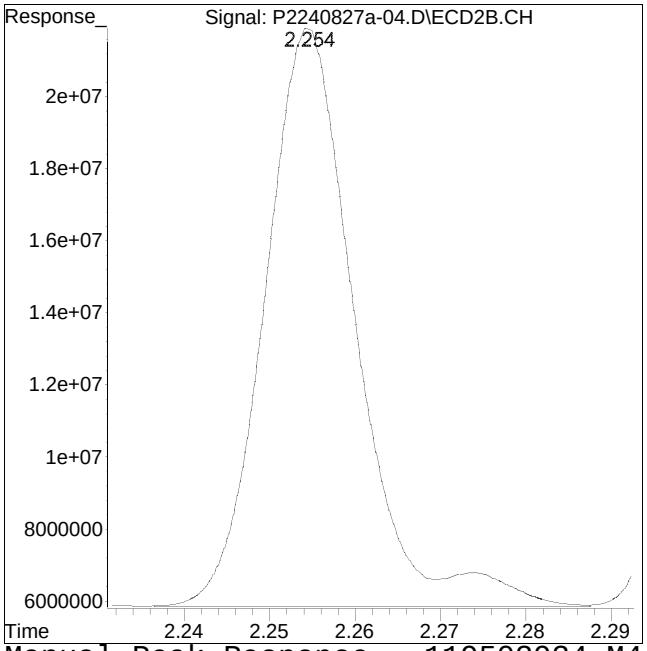
Original Peak Response = 119882686 Manual Peak Response = 110930090 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #58: 1016-4 #2



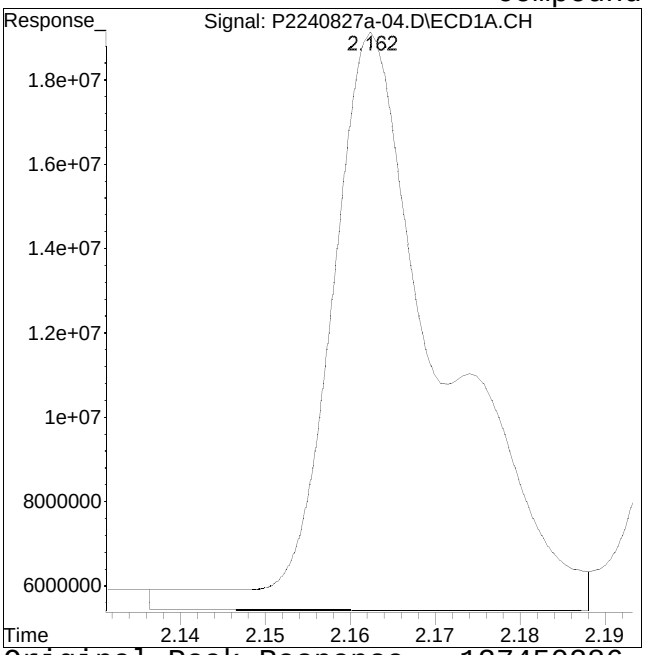


Original Peak Response = 124294138 Manual Peak Response = 119503934 M4
M4 = Poor automated baseline construction.

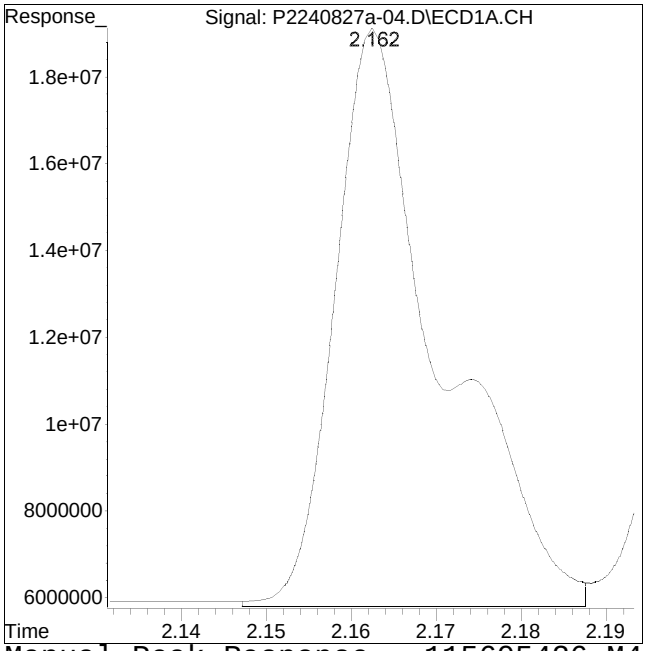
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #8: 1016-5



Original Peak Response = 127450286

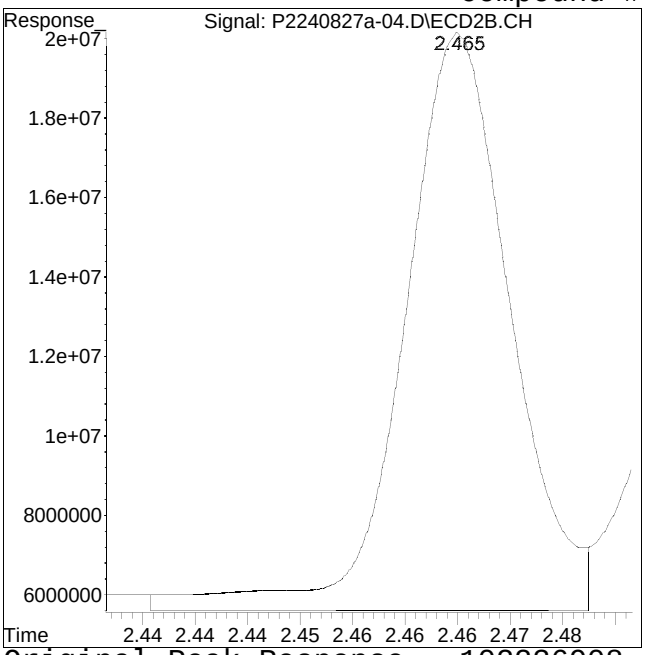


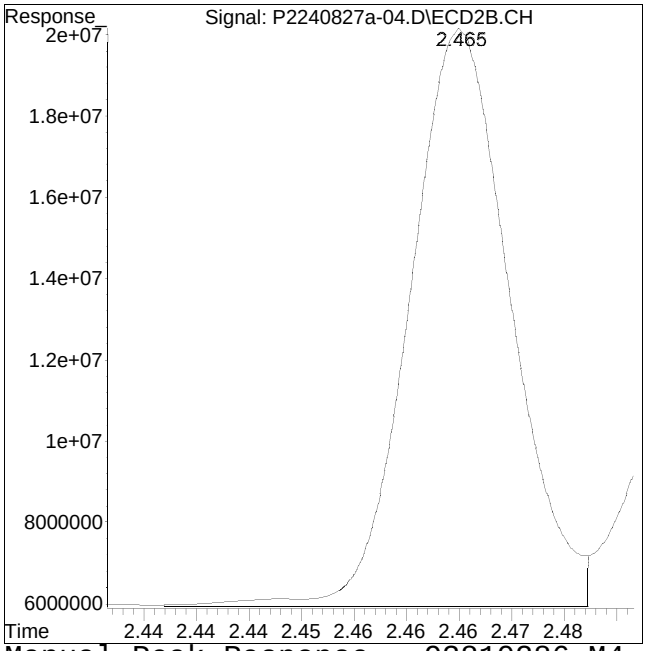
Manual Peak Response = 115605426 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\Q Method : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lvi Quant Date : 8/27/2024 8:11 am

Compound #59: 1016-5 #2



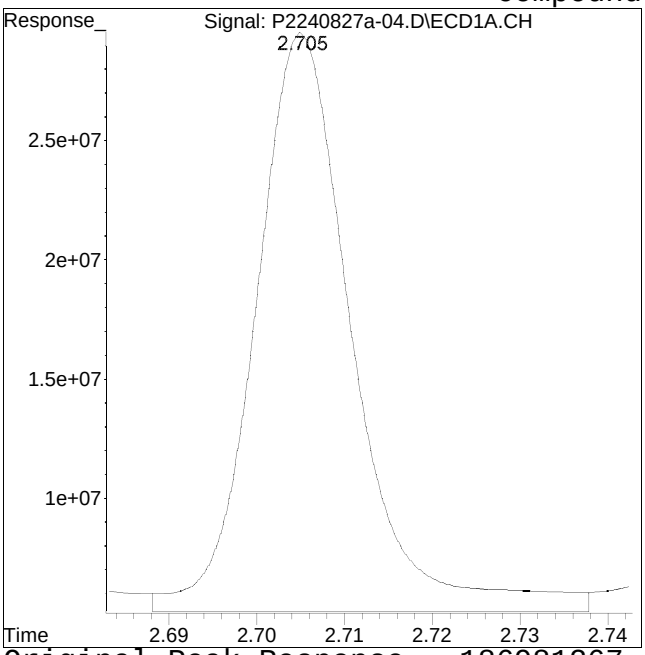


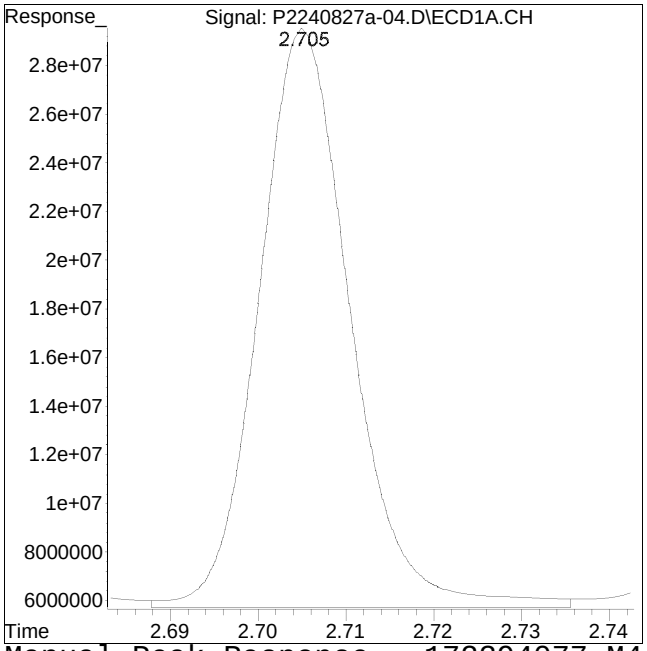
Original Peak Response = 102236908 Manual Peak Response = 93810286 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #9: 1260-1



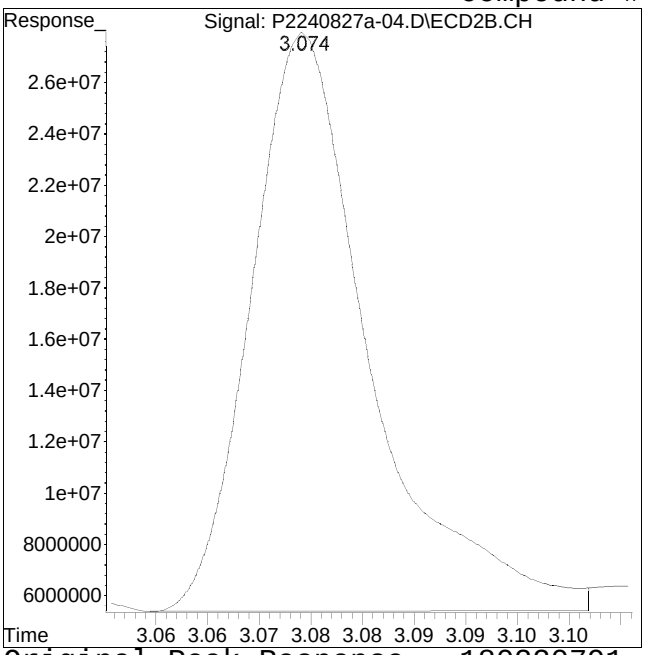


Original Peak Response = 186981267 Manual Peak Response = 172394077 M4
M4 = Poor automated baseline construction.

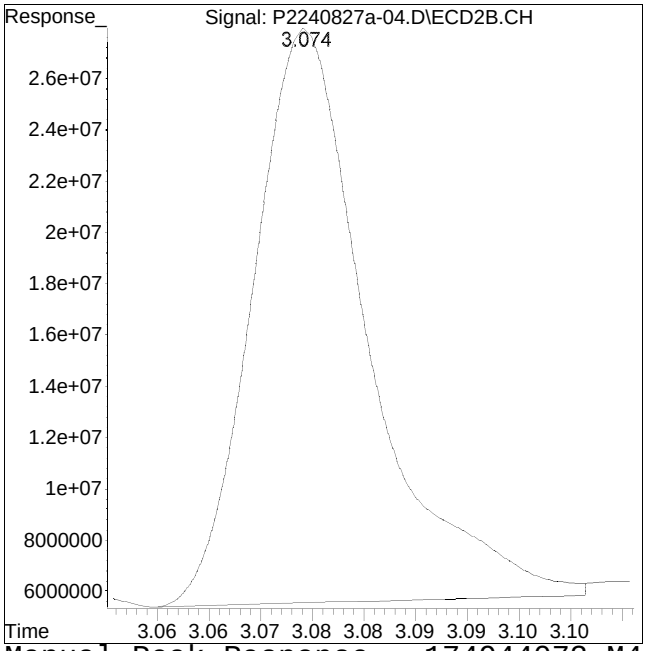
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #60: 1260-1 #2



Original Peak Response = 180220791



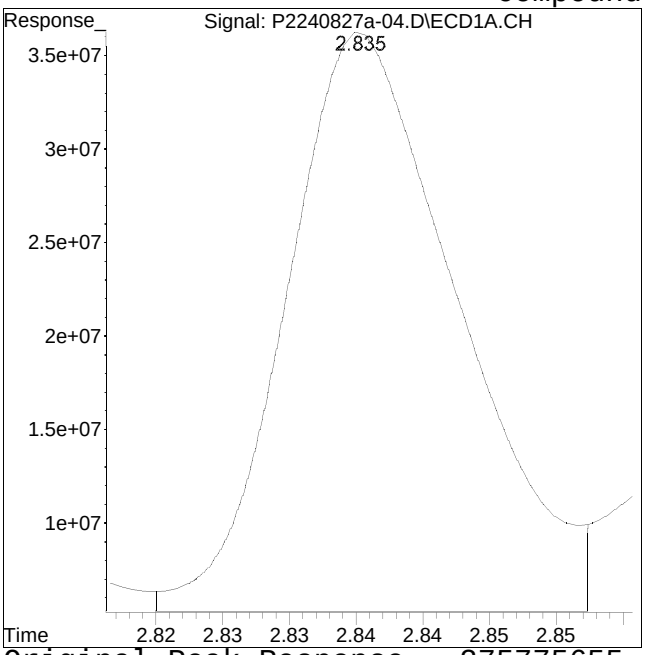
Manual Peak Response = 174944073 M4

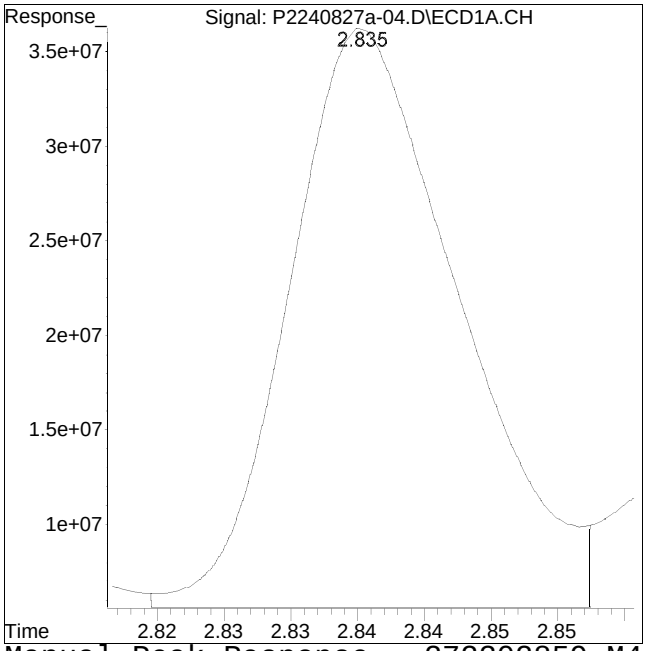
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #10: 1260-2



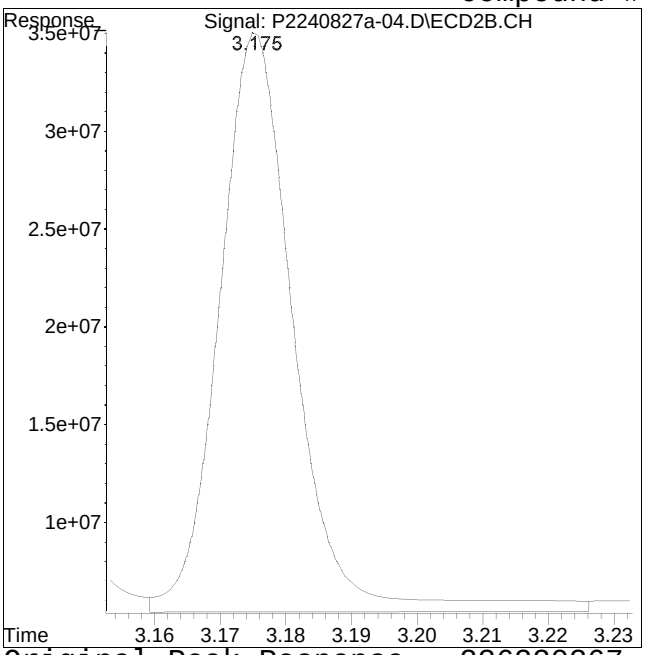


Original Peak Response = 275775655 Manual Peak Response = 272302859 M4
M4 = Poor automated baseline construction.

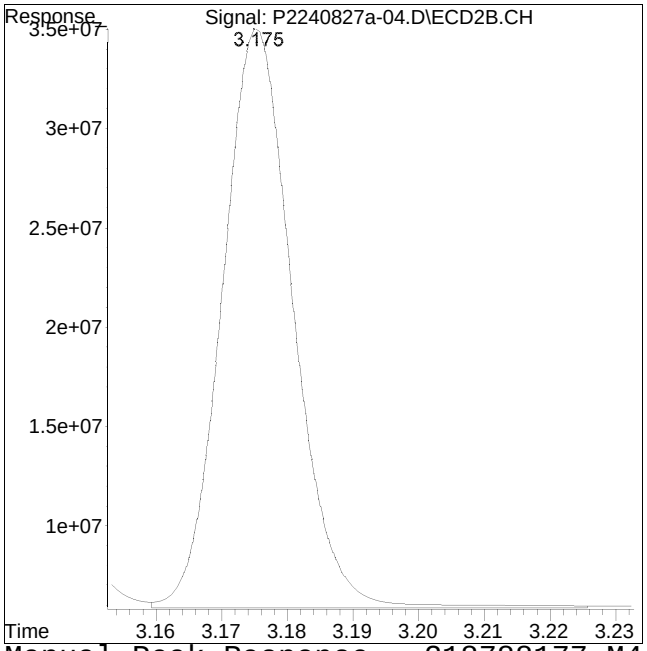
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #61: 1260-2 #2



Original Peak Response = 236220367

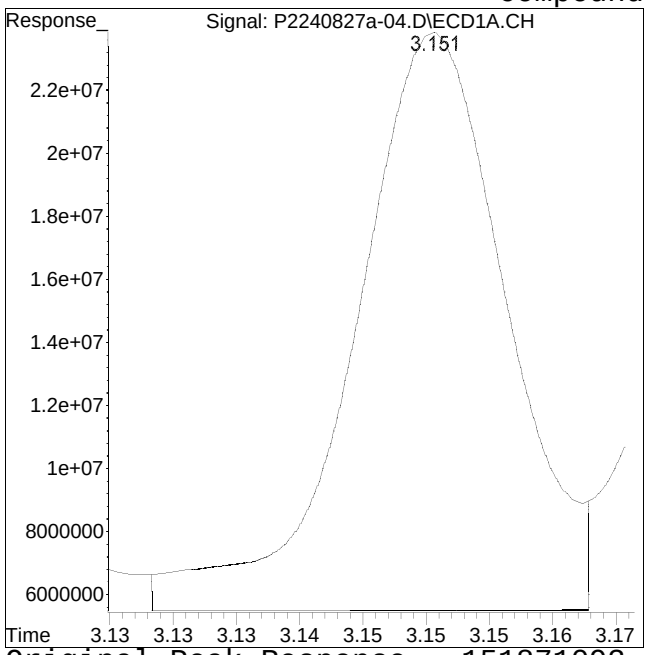


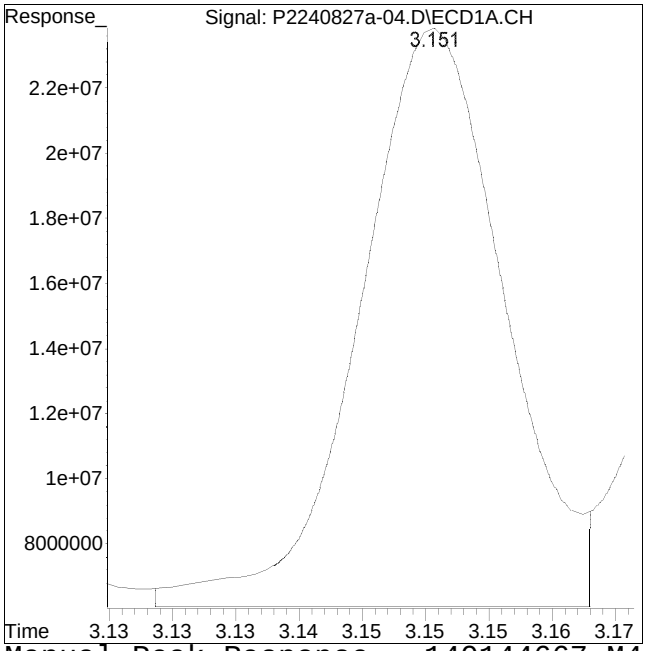
Manual Peak Response = 218788177 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #11: 1260-3



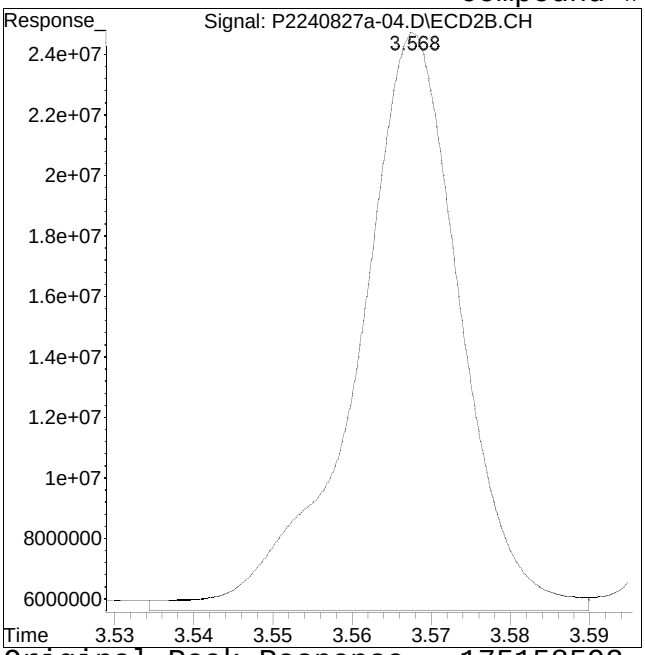


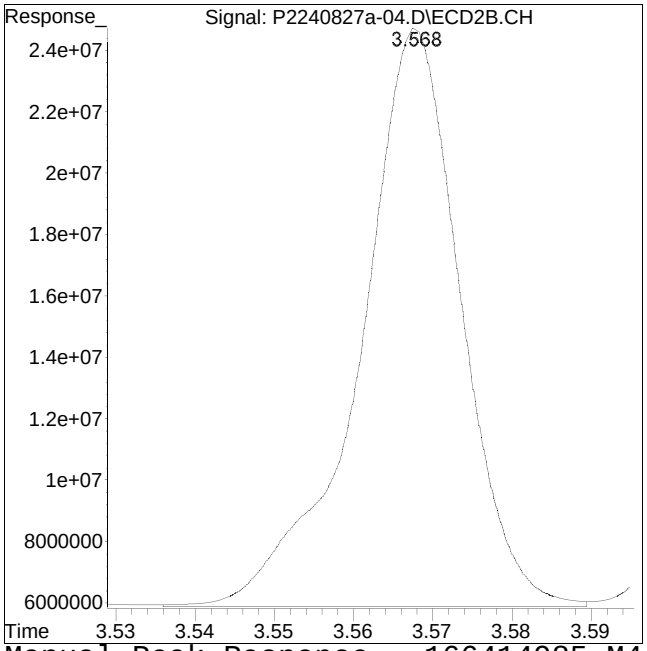
Original Peak Response = 151871093 Manual Peak Response = 140144667 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #62: 1260-3 #2



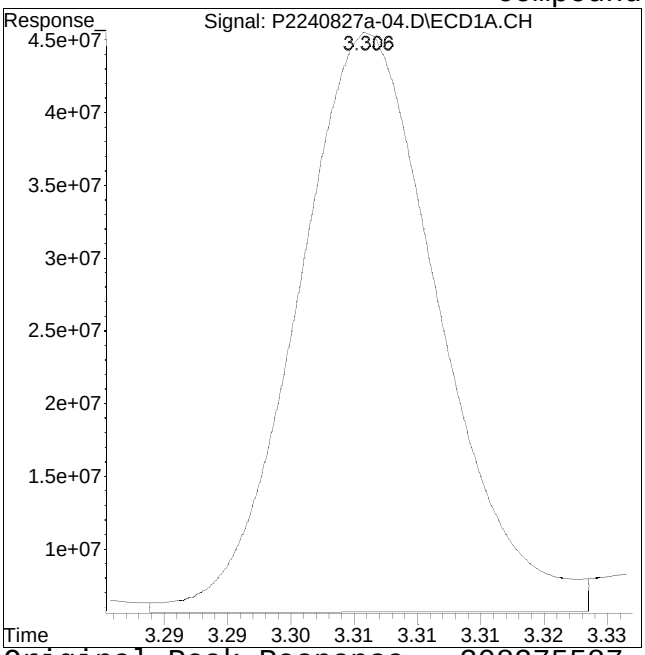


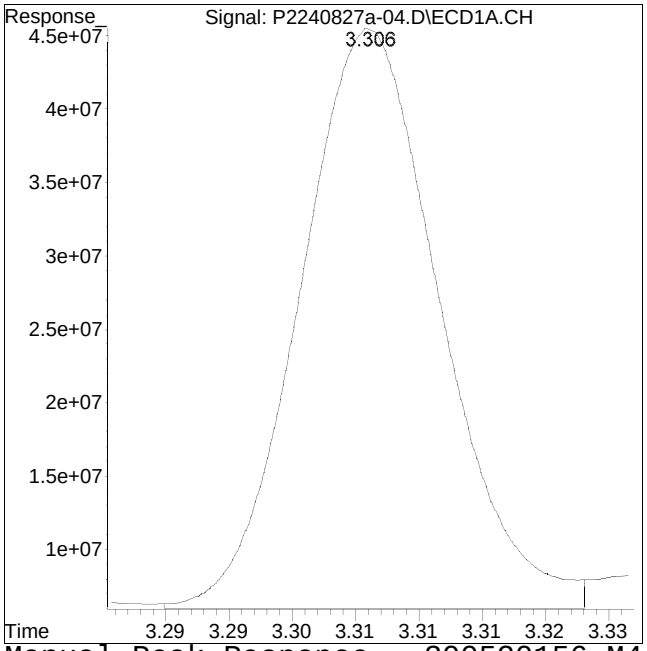
Original Peak Response = 175158592 Manual Peak Response = 166414985 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #12: 1260-4



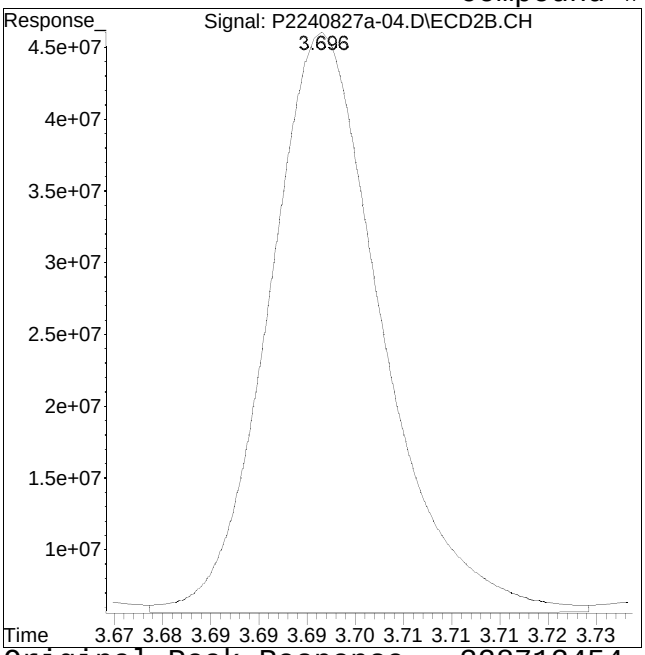


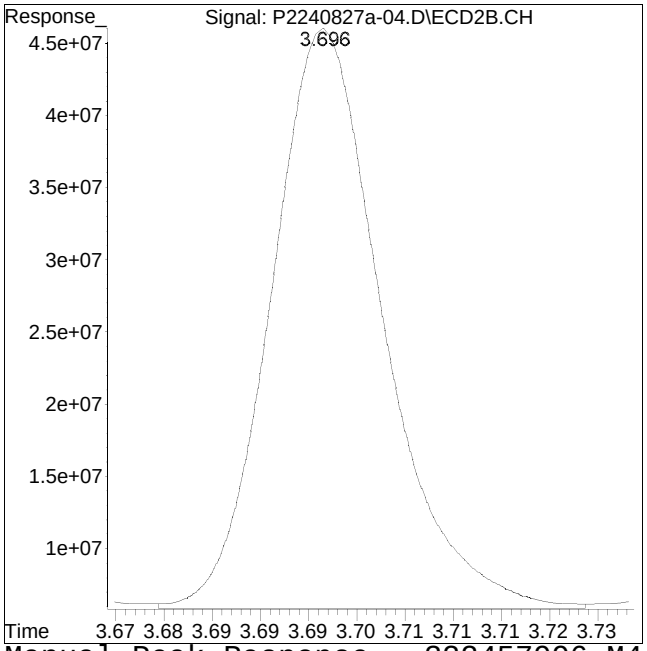
Original Peak Response = 308275587 Manual Peak Response = 300520156 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #63: 1260-4 #2



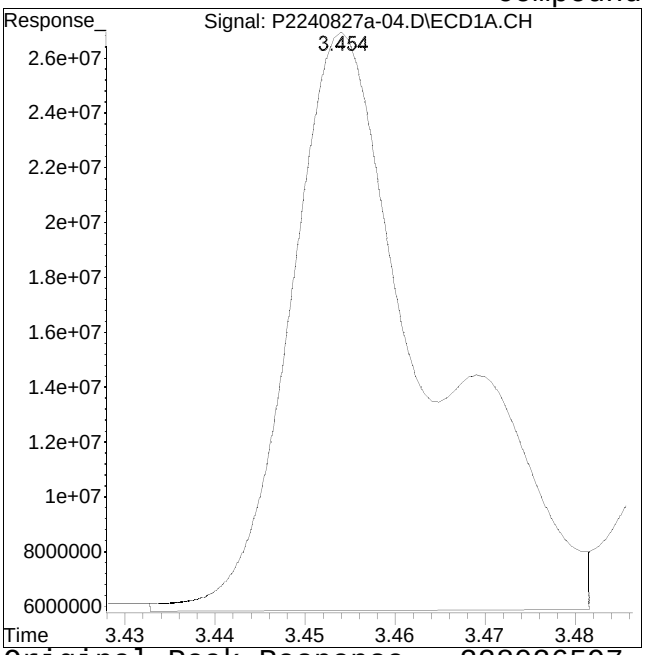


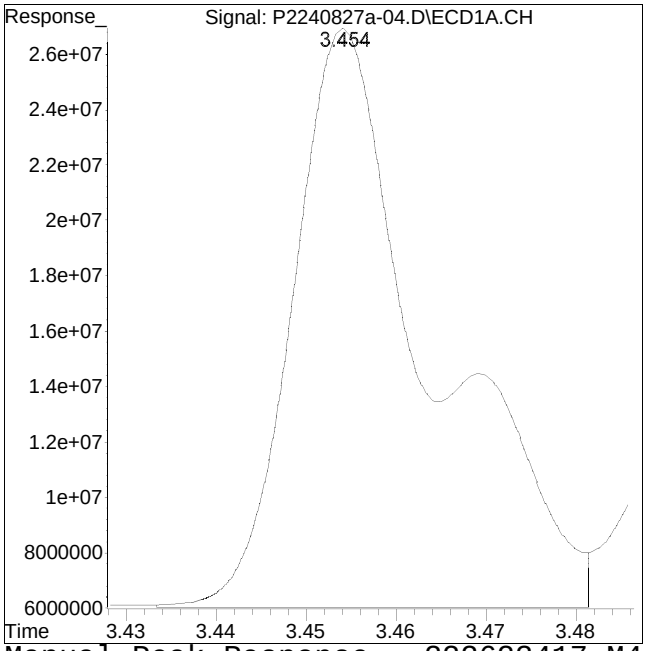
Original Peak Response = 328712454 Manual Peak Response = 322457996 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #13: 1260-5



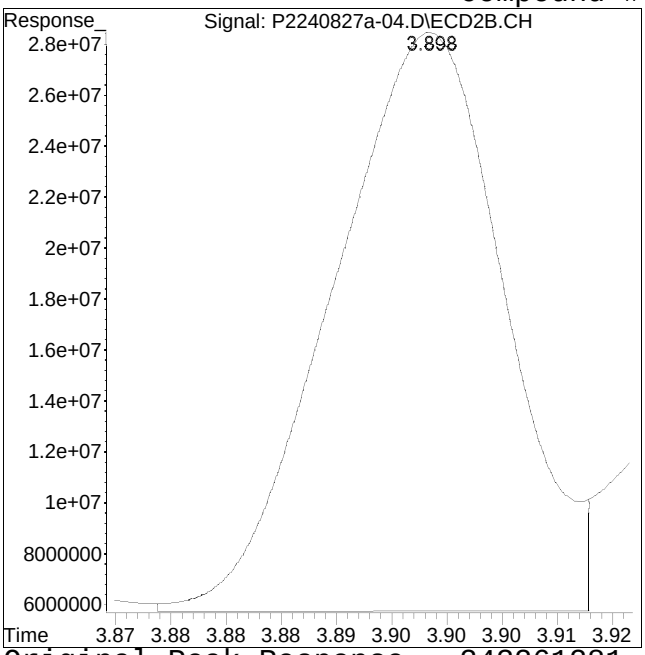


Original Peak Response = 228026597 Manual Peak Response = 222623417 M4
M4 = Poor automated baseline construction.

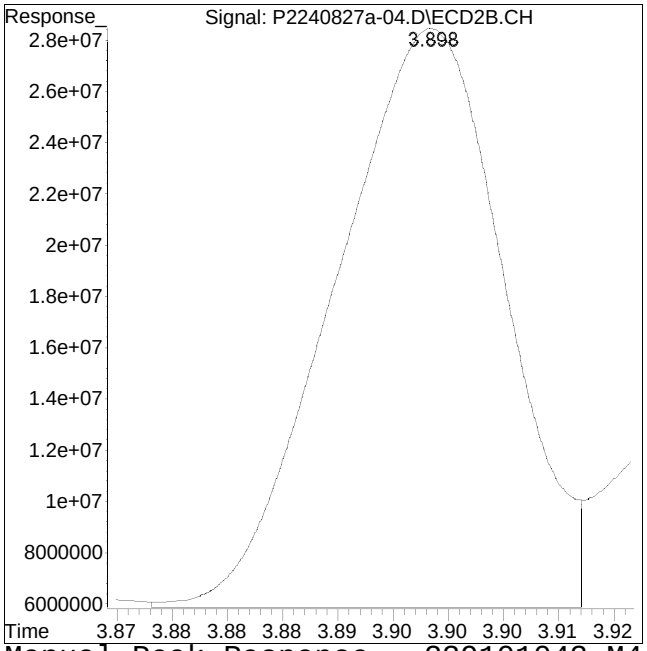
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-04.D Operator : pest2:sdc
Date Inj'd : 8/27/2024 7:41 Instrument : Pest 2
Sample : wg1964276-1,42,, +1660 lviQuant Date : 8/27/2024 8:11 am

Compound #64: 1260-5 #2



Original Peak Response = 243261281



Manual Peak Response = 239101043 M4

M4 = Poor automated baseline construction.

RT Shift Summary

Identification Summary
Form 10
PCBs

Client	**: Alpha Geoscience**	**Lab Number**	**: L2447503**
Project Name	**: HUNTINGTON READY MIX**	**Project Number**	**: 20116**

No Detections Found

Aroclor Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:19
Operator : pest2:meo
Sample : WG1963690-1,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:20 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : Default - All compounds listed

	Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards							
1) i	1660_1br2nb	1.192	1.258	240.9E6	270.9E6	25.000	25.000
	Standard Area 1 : #1 = 222326245				Recovery =	108.37%	
	Standard Area 1 : #2 = 242915835				Recovery =	111.53%	
14) i	2154_1br2nb	1.192	1.258	240.9E6	270.9E6	25.000	25.000
23) i	4268_1br2nb	1.192	1.258	240.9E6	270.9E6	25.000	25.000
34) i	1248_1br2nb	1.192	1.258	240.9E6	270.9E6	25.000	25.000
40) i	3262_1br2nb	1.192	1.258	240.9E6	270.9E6	25.000	25.000
System Monitoring Compounds							
2) s	2,4,5,6-Tetr	1.475	1.629	221.1E6	235.5E6	14.252	14.382
	Spiked Amount 20.000	Range 30 - 150			Recovery =	71.26%	71.91%
3) s	Decachlorobi	4.040	4.550	170.5E6	183.9E6	15.063M4	16.823
	Spiked Amount 20.000	Range 30 - 150			Recovery =	75.31%	84.12%
Target Compounds							
4) l1	1016-1	0.000	0.000	0	0	N.D. d	N.D. d
5) l1	1016-2	0.000	0.000	0	0	N.D.	N.D.
6) l1	1016-3	0.000	0.000	0	0	N.D. d	N.D. d
7) l1	1016-4	0.000	0.000	0	0	N.D. d	N.D. d
8) l1	1016-5	0.000	0.000	0	0	N.D. d	N.D. d
	Sum 1016-1			0	0	N.D.	N.D.
	Average 1016-1					0.000	0.000
9) l2	1260-1	0.000	0.000	0	0	N.D. d	N.D. d
10) l2	1260-2	0.000	0.000	0	0	N.D. d	N.D. d
11) l2	1260-3	0.000	0.000	0	0	N.D.	N.D.
12) l2	1260-4	0.000	0.000	0	0	N.D.	N.D.
13) l2	1260-5	0.000	0.000	0	0	N.D.	N.D.
	Sum 1260-1			0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:19
Operator : pest2:meo
Sample : WG1963690-1,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:20 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Average 1260-1					0.000	0.000
15) l3 1221-2	0.000	0.000	0	0	N.D. d	N.D. d
16) l3 1221-3	0.000	0.000	0	0	N.D. d	N.D. d
17) l3 1221-4	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
18) l4 1254-1	0.000	0.000	0	0	N.D. d	N.D. d
19) l4 1254-2	0.000	0.000	0	0	N.D. d	N.D. d
20) l4 1254-3	0.000	0.000	0	0	N.D.	N.D.
21) l4 1254-4	0.000	0.000	0	0	N.D. d	N.D. d
22) l4 1254-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
24) l6 1242-1	0.000	0.000	0	0	N.D. d	N.D. d
25) l6 1242-2	0.000	0.000	0	0	N.D.	N.D.
26) l6 1242-3	0.000	0.000	0	0	N.D. d	N.D. d
27) l6 1242-4	0.000	0.000	0	0	N.D. d	N.D. d
28) l6 1242-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
29) l9 1268-1	0.000	0.000	0	0	N.D.	N.D.
30) l9 1268-2	0.000	0.000	0	0	N.D.	N.D.
31) l9 1268-3	0.000	0.000	0	0	N.D. d	N.D. d
32) l9 1268-4	0.000	0.000	0	0	N.D.	N.D.
33) l9 1268-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
35) l7 1248-1	0.000	0.000	0	0	N.D. d	N.D. d
36) l7 1248-2	0.000	0.000	0	0	N.D. d	N.D. d
37) l7 1248-3	0.000	0.000	0	0	N.D. d	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:19
Operator : pest2:meo
Sample : WG1963690-1,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:20 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : Default - All compounds listed

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
38) l7 1248-4	0.000	0.000	0	0	N.D. d	N.D. d
39) l7 1248-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
41) l5 1232-1	0.000	0.000	0	0	N.D. d	N.D. d
42) l5 1232-2	0.000	0.000	0	0	N.D.	N.D.
43) l5 1232-3	0.000	0.000	0	0	N.D. d	N.D. d
44) l5 1232-4	0.000	0.000	0	0	N.D. d	N.D. d
45) l5 1232-5	0.000	0.000	0	0	N.D. d	N.D. d
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
46) l8 1262-1	0.000	0.000	0	0	N.D. d	N.D. d
47) l8 1262-2	0.000	0.000	0	0	N.D. d	N.D. d
48) l8 1262-3	0.000	0.000	0	0	N.D.	N.D.
49) l8 1262-4	0.000	0.000	0	0	N.D.	N.D.
50) l8 1262-5	0.000	0.000	0	0	N.D.	N.D.
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

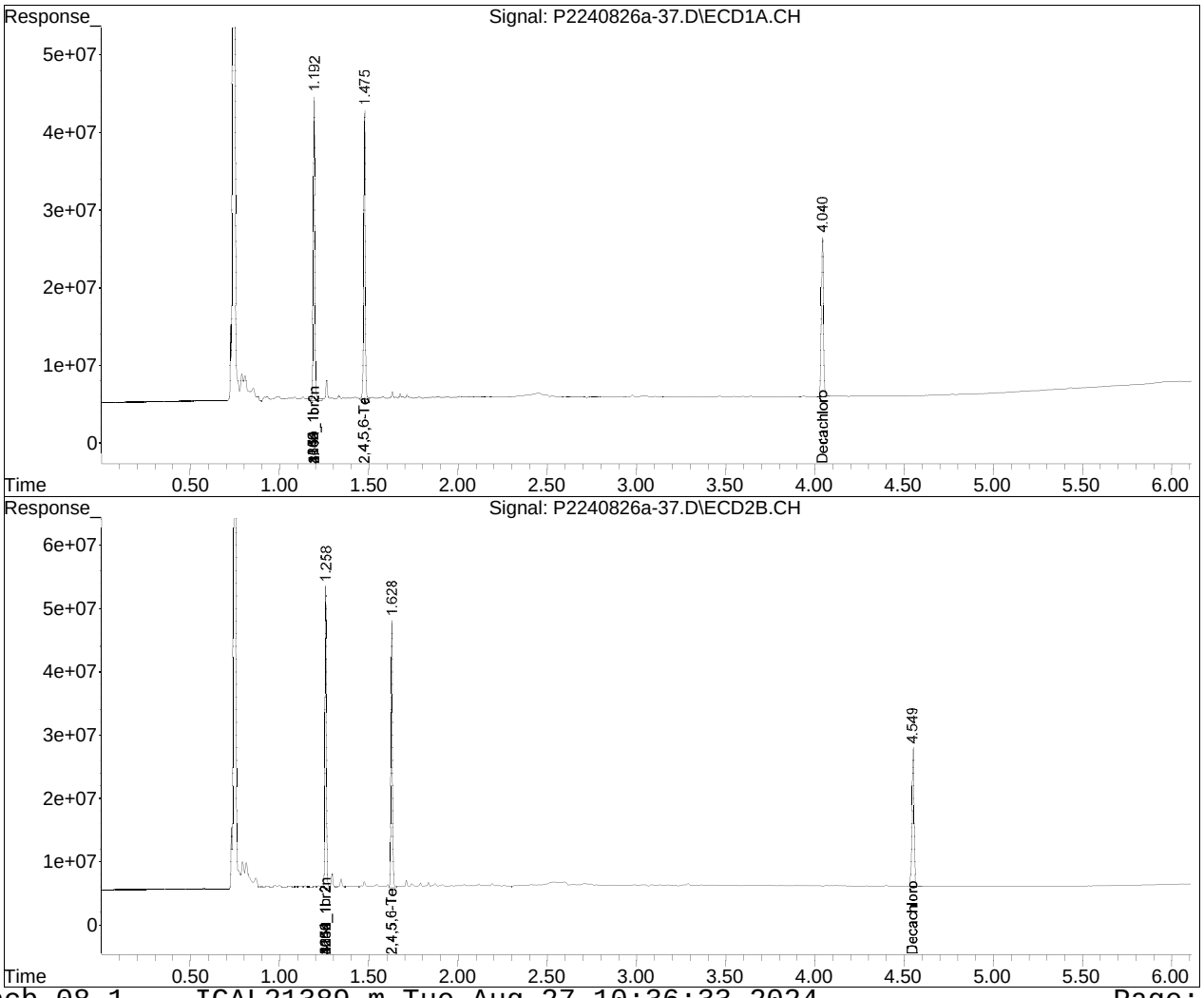
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : Default - All compounds listedP2240826a-04.D•

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-37.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:19
Operator : pest2:meo
Sample : WG1963690-1,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 37 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:20 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

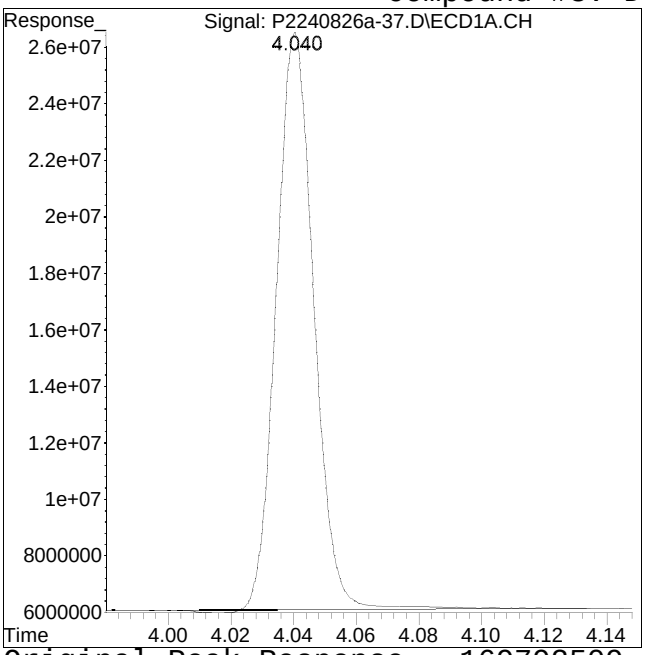
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

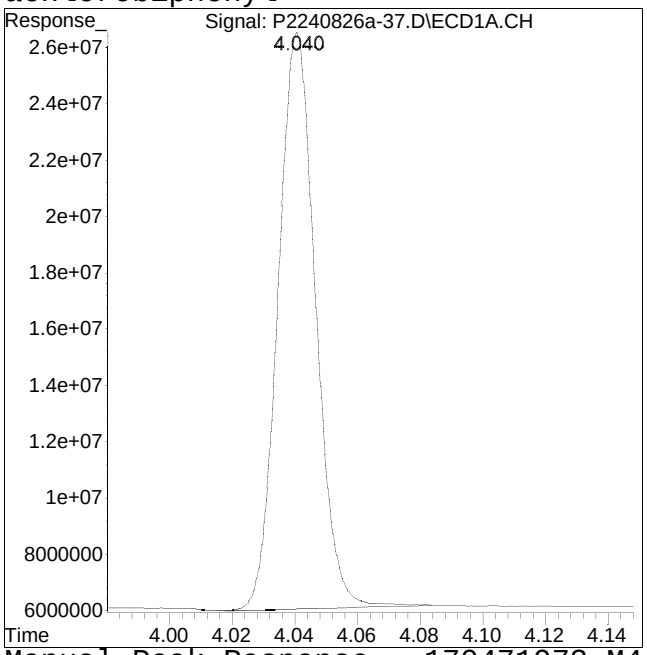


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-37.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:19 Instrument : Pest 2
Sample : WG1963690-1,42,, Quant Date : 8/27/2024 9:37 am

Compound #3: Decachlorobiphenyl





Original Peak Response = 169792509 Manual Peak Response = 170471973 M4
M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-38.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:28
Operator : pest2:meo
Sample : WG1963690-2,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:24 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.190	1.258	243.9E6	283.5E6	25.000	25.000
Standard Area 1 : #1 = 222326245				Recovery =	109.69%	
Standard Area 1 : #2 = 242915835				Recovery =	116.72%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.472	1.628	227.3E6	253.5E6	14.474	14.796
Spiked Amount 20.000	Range 30 - 150		Recovery =	72.37%	73.98%	
3) s Decachlorobi	4.037	4.548	179.5E6	190.9E6	15.669	16.688
Spiked Amount 20.000	Range 30 - 150		Recovery =	78.34%	83.44%	
Target Compounds						
4) l1 1016-1	1.609	1.827	42273730	54255994	150.225M4	172.807
5) l1 1016-2	1.750	1.997	100.6E6	116.5E6	189.210	170.518
6) l1 1016-3	1.937	2.198	197.4E6	228.3E6	163.834M4	167.446
7) l1 1016-4	1.993	2.258	84630701	90024050	171.634	156.818
8) l1 1016-5	2.162	2.468	88522367	79359506	152.749	190.365
Sum 1016-1			513.4E6	568.4E6	827.651	857.954
Average 1016-1					165.530	171.591
9) l2 1260-1	2.705	3.077	119.5E6	154.3E6	159.016	200.572
10) l2 1260-2	2.834	3.179	184.9E6	167.5E6	165.524M4	167.430
11) l2 1260-3	3.150	3.570	112.8E6	139.2E6	164.907	171.952
12) l2 1260-4	3.305	3.699	251.6E6	280.0E6	171.640M4	174.877
13) l2 1260-5	3.454	3.900	183.7E6	204.0E6	169.147	172.921
Sum 1260-1			852.4E6	944.9E6	830.234	887.753
Average 1260-1					166.047	177.551
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-38.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:28
Operator : pest2:meo
Sample : WG1963690-2,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:24 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

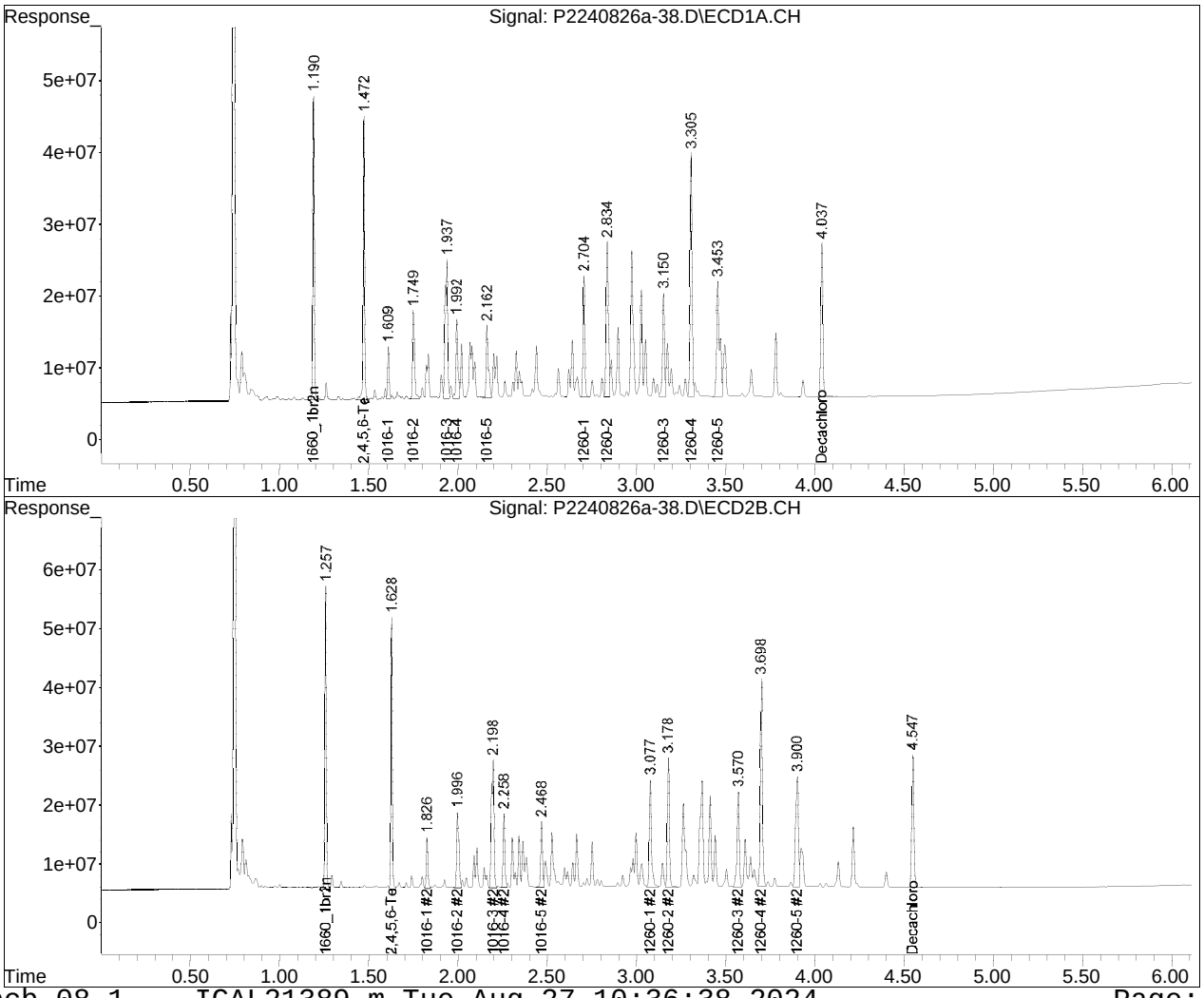
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.

Sub List : 1660 - 1660Pest2\2024\240826a\P2240826a-04.D•

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-38.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:28
Operator : pest2:meo
Sample : WG1963690-2,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 38 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:24 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

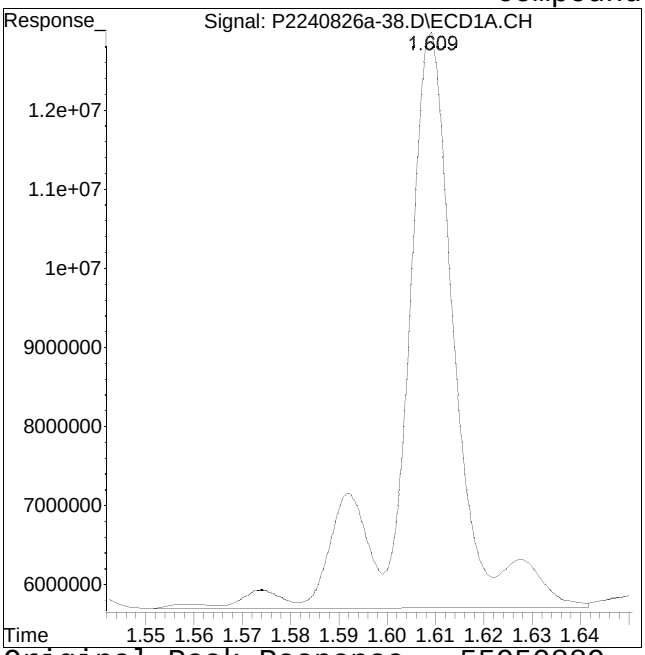
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



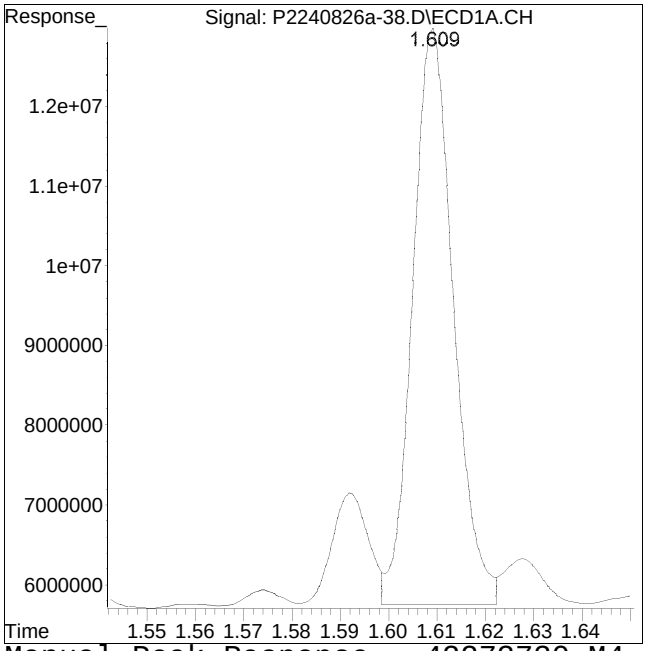
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-38.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:28 Instrument : Pest 2
Sample : WG1963690-2,42,, Quant Date : 8/27/2024 9:37 am

Compound #4: 1016-1



Original Peak Response = 55950889



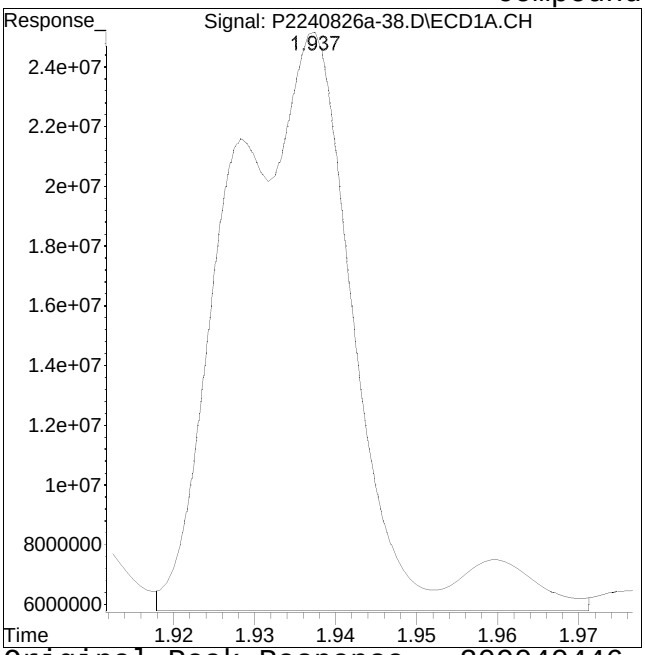
Manual Peak Response = 42273730 M4

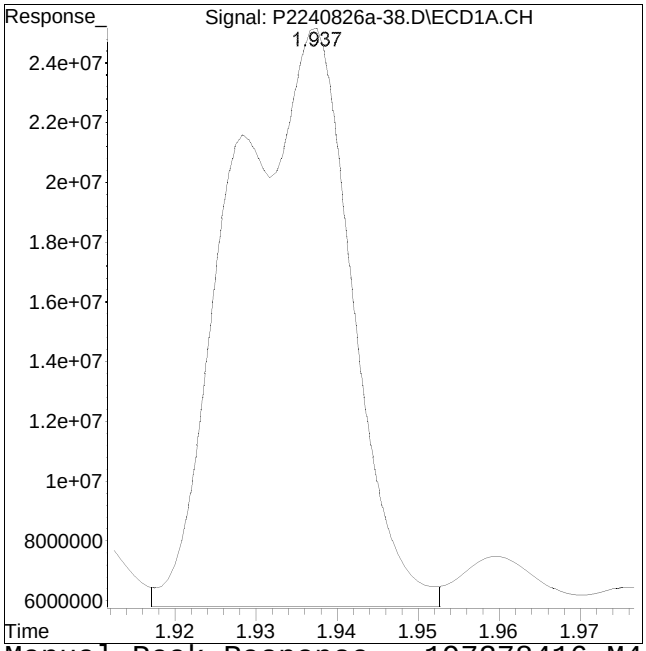
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-38.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:28 Instrument : Pest 2
Sample : WG1963690-2,42,, Quant Date : 8/27/2024 9:37 am

Compound #6: 1016-3



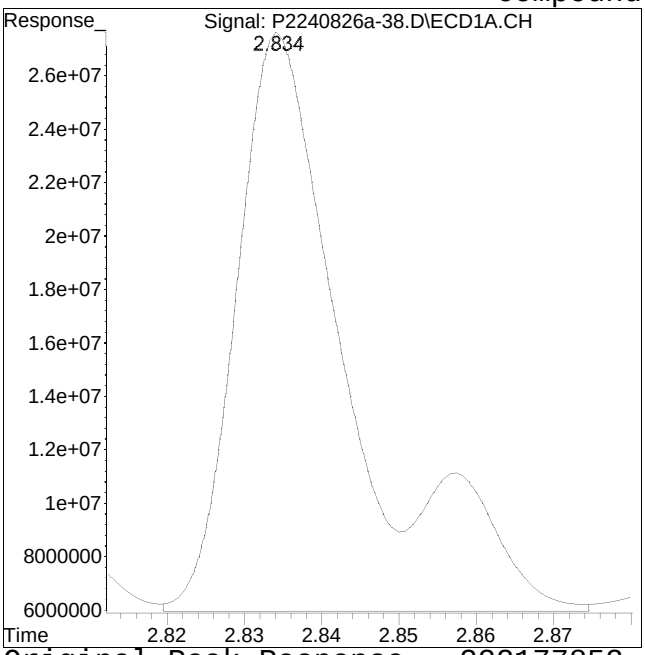


Original Peak Response = 209040446 Manual Peak Response = 197378416 M4
M4 = Poor automated baseline construction.

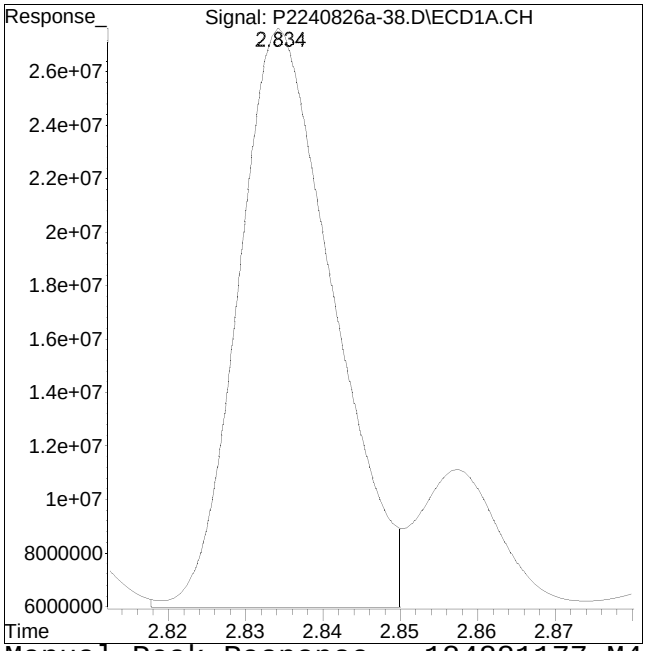
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-38.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:28 Instrument : Pest 2
Sample : WG1963690-2,42,, Quant Date : 8/27/2024 9:37 am

Compound #10: 1260-2



Original Peak Response = 222177852



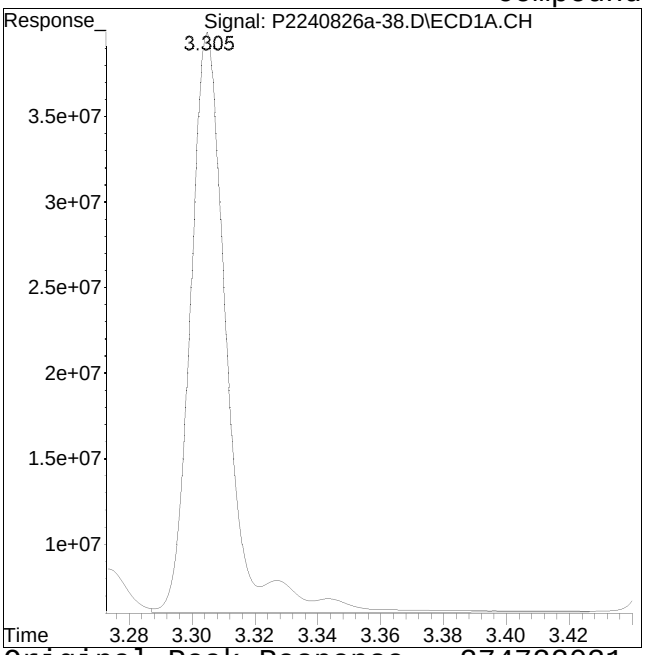
Manual Peak Response = 184881177 M4

M4 = Poor automated baseline construction.

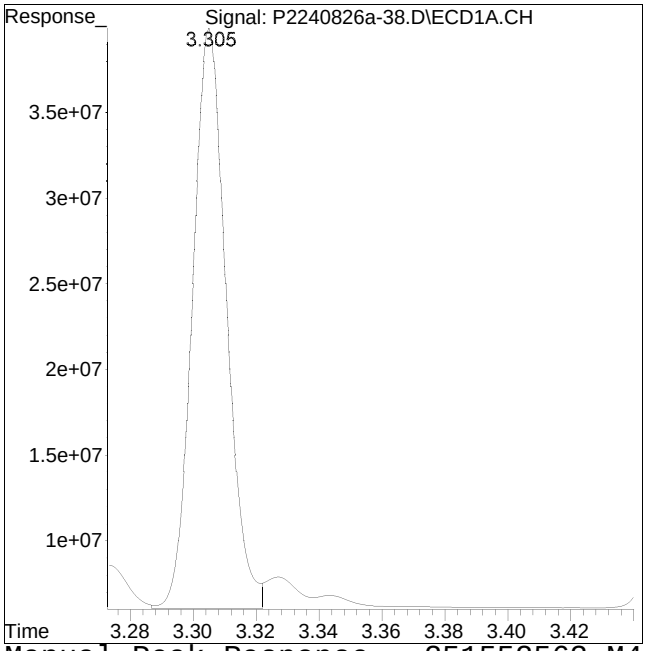
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-38.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:28 Instrument : Pest 2
Sample : WG1963690-2,42,, Quant Date : 8/27/2024 9:37 am

Compound #12: 1260-4



Original Peak Response = 274722031



Manual Peak Response = 251552563 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-39.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:37
Operator : pest2:meo
Sample : WG1963690-3,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:28 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.193	1.258	234.7E6	272.5E6	25.000	25.000
Standard Area 1 : #1 = 222326245				Recovery =	105.57%	
Standard Area 1 : #2 = 242915835				Recovery =	112.16%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.475	1.629	230.5E6	245.1E6	15.248	14.887
Spiked Amount 20.000	Range 30 - 150		Recovery =	76.24%	74.44%	
3) s Decachlorobi	4.040	4.549	182.1E6	193.4E6	16.517	17.590
Spiked Amount 20.000	Range 30 - 150		Recovery =	82.58%	87.95%	
Target Compounds						
4) l1 1016-1	1.613	1.827	43594108	54808479	160.957	181.659
5) l1 1016-2	1.753	1.998	99311063	119.5E6	194.105	182.022
6) l1 1016-3	1.941	2.199	194.7E6	233.9E6	167.930	178.481
7) l1 1016-4	1.996	2.259	79414102	98022464	167.333	177.688
8) l1 1016-5	2.166	2.469	85637690	76060218	153.532	189.863M4
Sum 1016-1			502.7E6	582.2E6	843.856	909.714
Average 1016-1					168.771	181.943
9) l2 1260-1	2.708	3.078	116.5E6	157.2E6	161.005	212.696
10) l2 1260-2	2.838	3.180	182.7E6	172.5E6	169.921	179.407
11) l2 1260-3	3.154	3.571	112.1E6	144.7E6	170.241	185.936
12) l2 1260-4	3.309	3.700	249.8E6	282.2E6	177.121	183.438
13) l2 1260-5	3.457	3.902	184.1E6	206.4E6	176.205M1	182.092
Sum 1260-1			845.2E6	962.9E6	854.493	943.570
Average 1260-1					170.899	188.714
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-39.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:37
Operator : pest2:meo
Sample : WG1963690-3,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:28 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240826a\P2240826a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

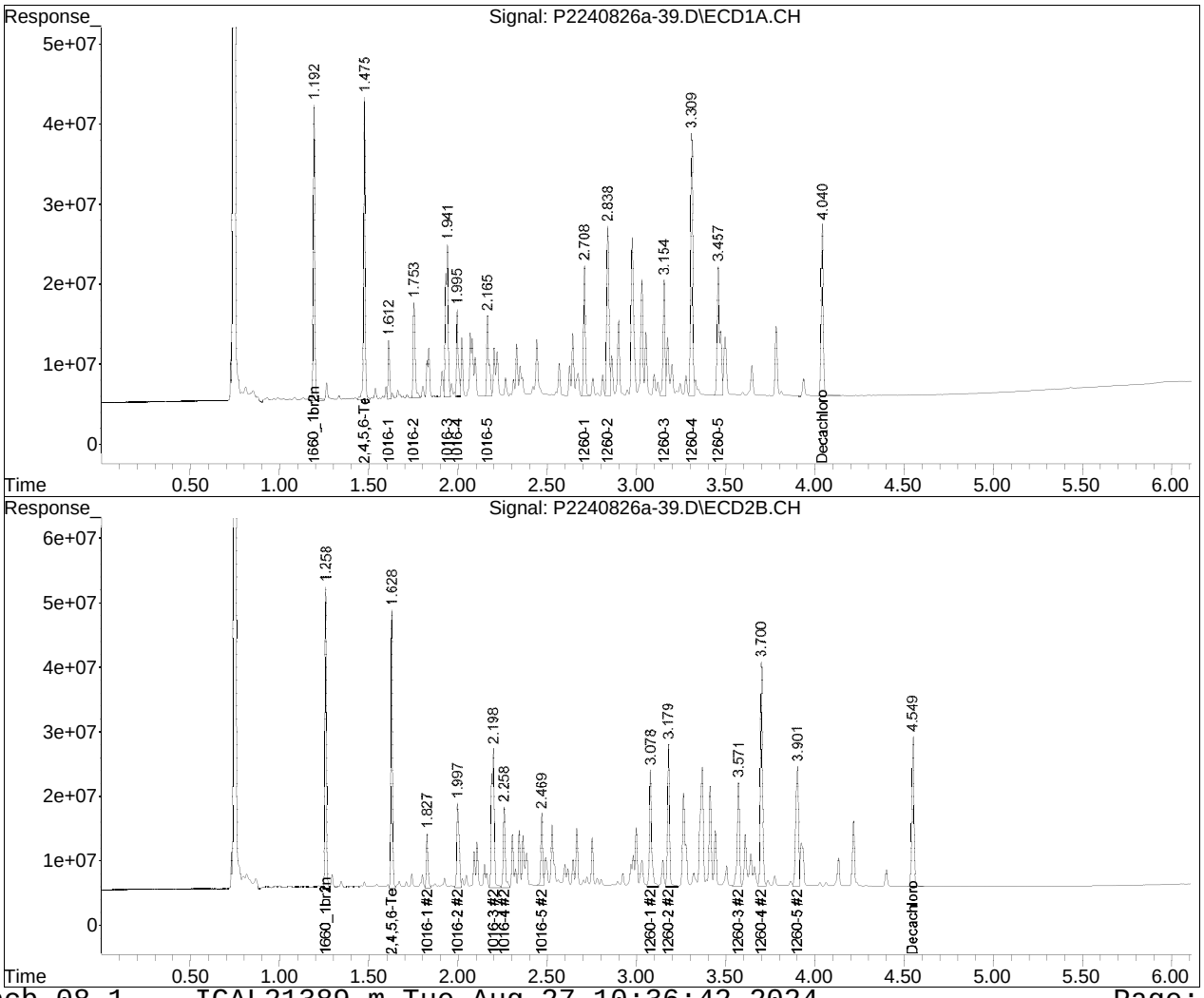
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240826a\P2240826a-04.D•

Data Path : I:\PCB\Pest2\2024\240826a\
Data File : P2240826a-39.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Aug 2024 20:37
Operator : pest2:meo
Sample : WG1963690-3,42,,
Misc : WG1963798,WG1963690,ical21389
ALS Vial : 39 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 09:37:28 2024
Quant Method : I:\PCB\Pest2\2024\240826A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

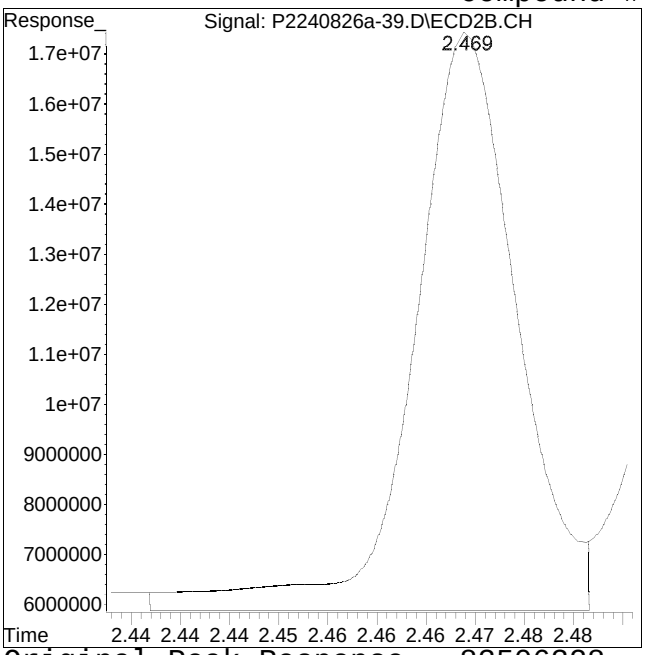
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



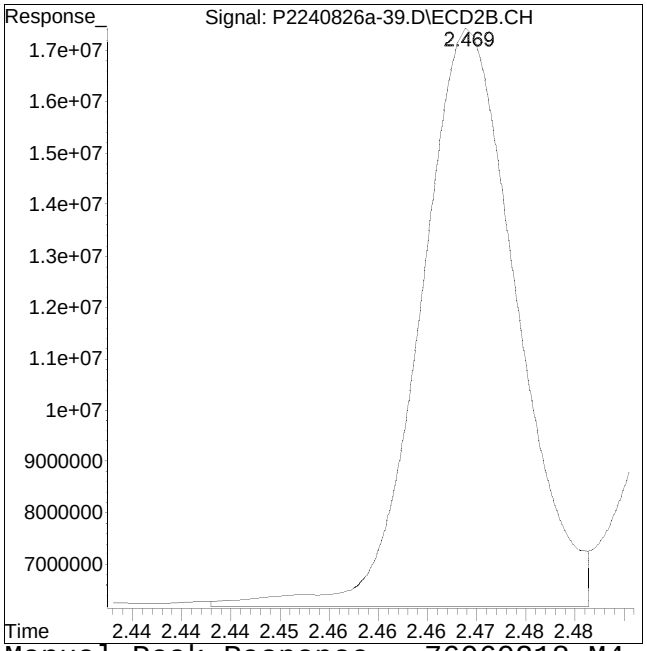
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-39.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:37 Instrument : Pest 2
Sample : WG1963690-3,42,, Quant Date : 8/27/2024 9:37 am

Compound #59: 1016-5 #2



Original Peak Response = 83506328



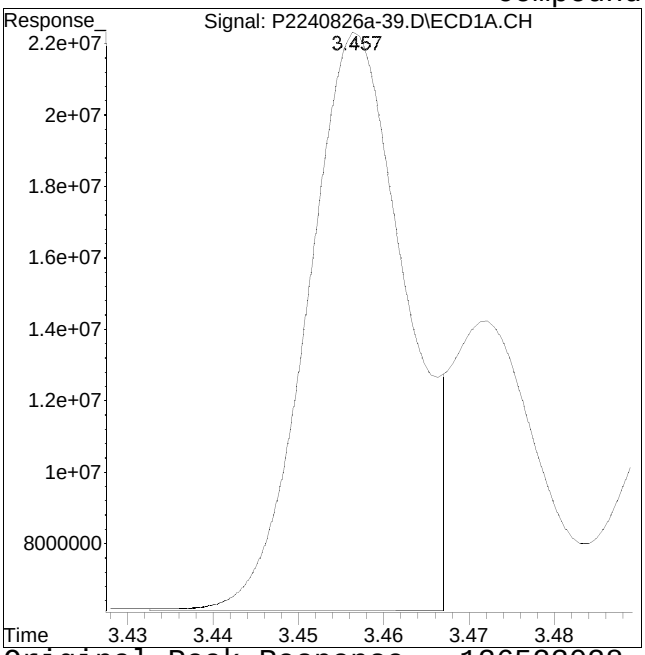
Manual Peak Response = 76060218 M4

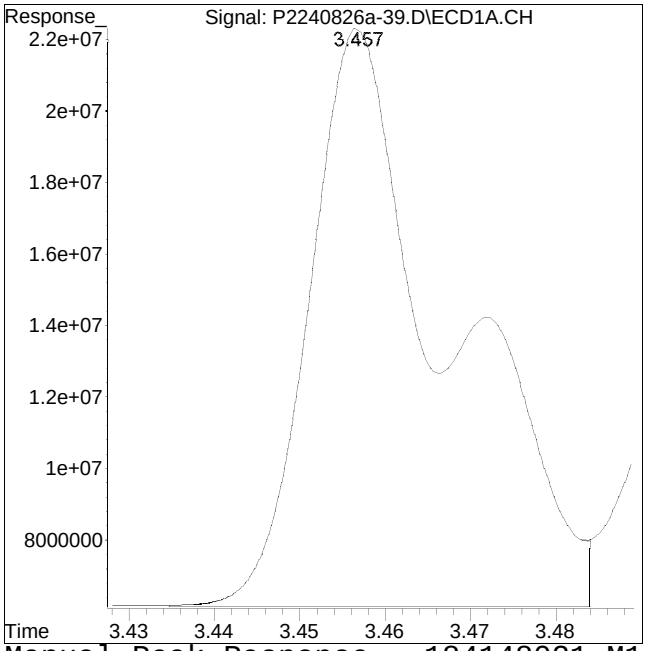
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240826a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240826a-39.D Operator : pest2:meo
Date Inj'd : 8/26/2024 20:37 Instrument : Pest 2
Sample : WG1963690-3,42,, Quant Date : 8/27/2024 9:37 am

Compound #13: 1260-5





Original Peak Response = 126523028 Manual Peak Response = 184148021 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:02
Operator : pest2:meo
Sample : WG1963690-4,42,, ms
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:51 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.192	1.257	229.5E6	260.6E6	25.000	25.000
Standard Area 1 : #1 = 244804106				Recovery =	93.74%	
Standard Area 1 : #2 = 263722764				Recovery =	98.83%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.474	1.628	209.1E6	227.9E6	14.150M4	14.468
Spiked Amount 20.000	Range 30 - 150		Recovery =	70.75%	72.34%	
3) s Decachlorobi	4.040	4.549	187.5E6	185.8E6	17.396	17.670
Spiked Amount 20.000	Range 30 - 150		Recovery =	86.98%	88.35%	
Target Compounds						
4) l1 1016-1	1.612	1.827	42118665	46955884	159.060	162.685
5) l1 1016-2	1.752	1.997	98718600	106.3E6	197.353	169.329
6) l1 1016-3	1.940	2.197	188.1E6	211.0E6	165.910	168.313
7) l1 1016-4	1.995	2.257	82836995	78718087	178.531	149.161
8) l1 1016-5	2.165	2.468	84628465	71935830	155.187M4	187.706
Sum 1016-1			496.4E6	514.9E6	856.041	837.195
Average 1016-1					171.208	167.439
9) l2 1260-1	2.708	3.077	112.4E6	141.3E6	158.954	199.826
10) l2 1260-2	2.838	3.179	172.6E6	155.0E6	164.221	168.513
11) l2 1260-3	3.153	3.570	108.9E6	133.3E6	169.221	179.140
12) l2 1260-4	3.308	3.699	240.0E6	266.4E6	174.049	181.003
13) l2 1260-5	3.456	3.900	174.0E6	192.8E6	170.252M1	177.776
Sum 1260-1			807.9E6	888.7E6	836.697	906.257
Average 1260-1					167.339	181.251
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:02
Operator : pest2:meo
Sample : WG1963690-4,42,, ms
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:51 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

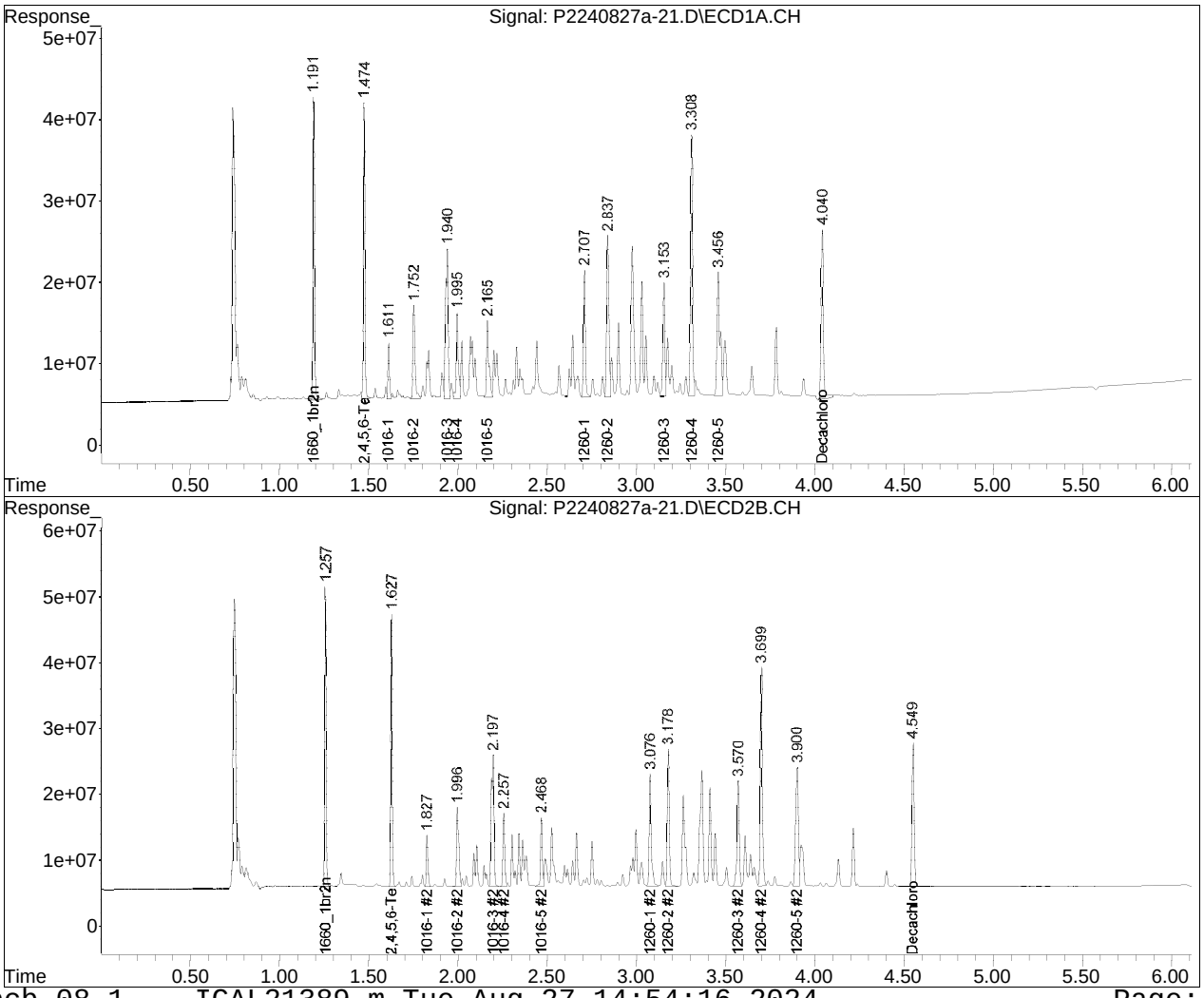
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.
(#)=Recovery Exceeds Compound Acceptance Limits.
(I,C,F) I=Interference, C=Coelluting Calibration Peak, F=Fails CC Criteria.

Sub List : 1660 - 1660Pest2\2024\240827a\P2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-21.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:02
Operator : pest2:meo
Sample : WG1963690-4,42,, ms
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:51 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

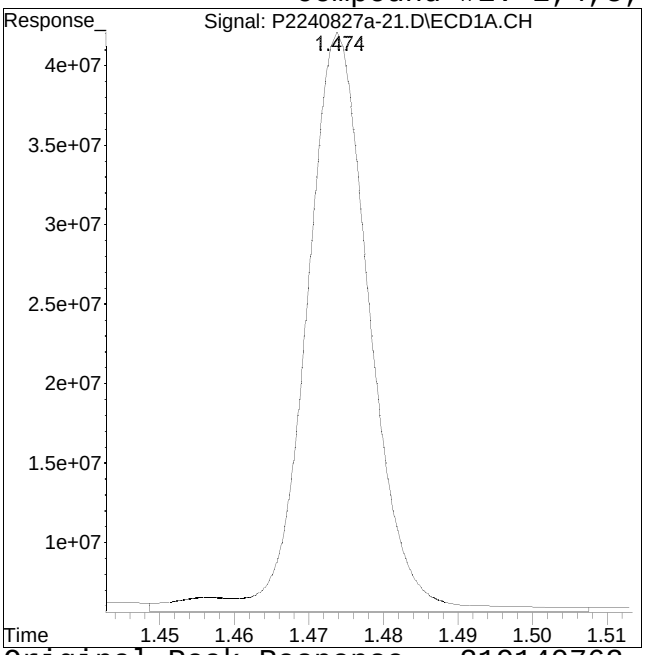
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



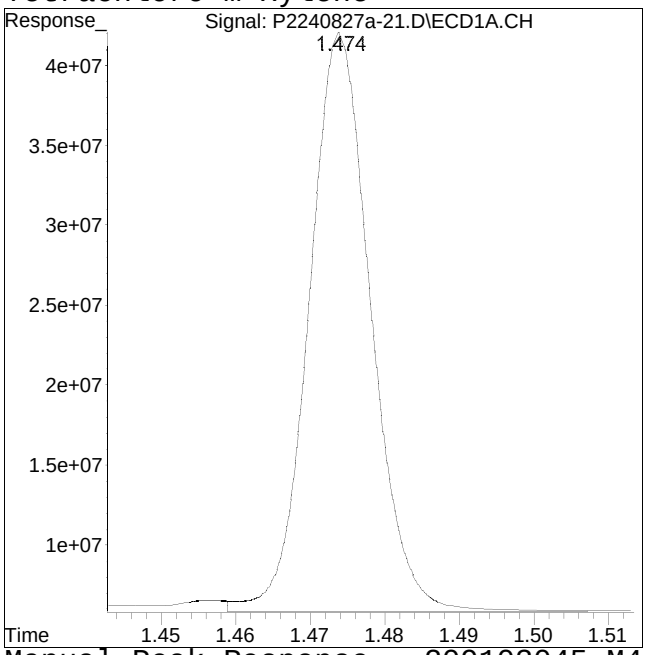
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-21.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:02 Instrument : Pest 2
Sample : WG1963690-4,42,, ms Quant Date : 8/27/2024 2:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



Original Peak Response = 219140762



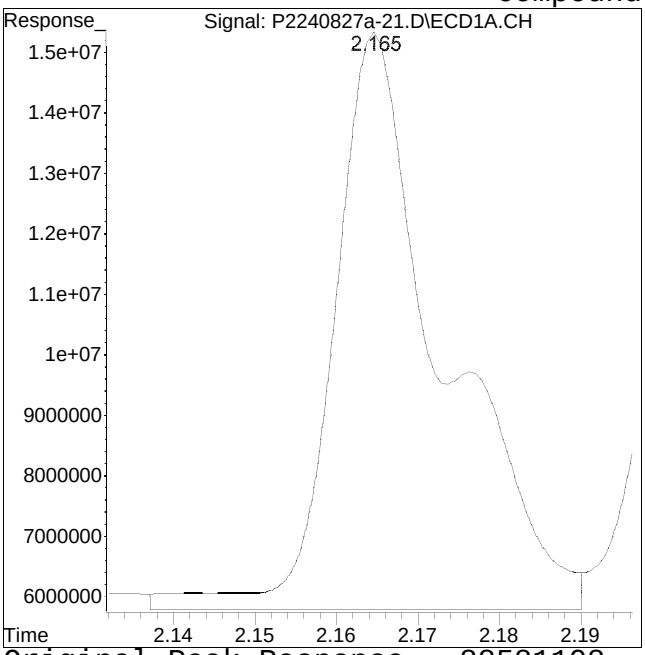
Manual Peak Response = 209103045 M4

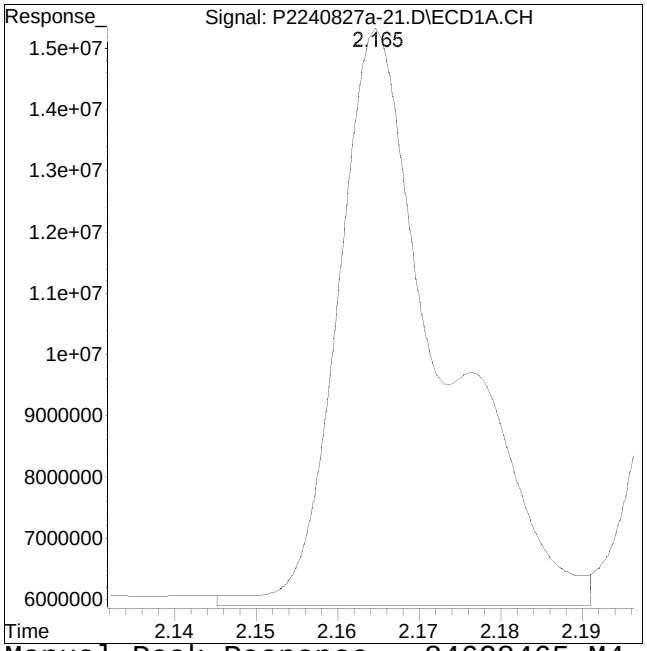
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-21.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:02 Instrument : Pest 2
Sample : WG1963690-4,42,, ms Quant Date : 8/27/2024 2:20 pm

Compound #8: 1016-5



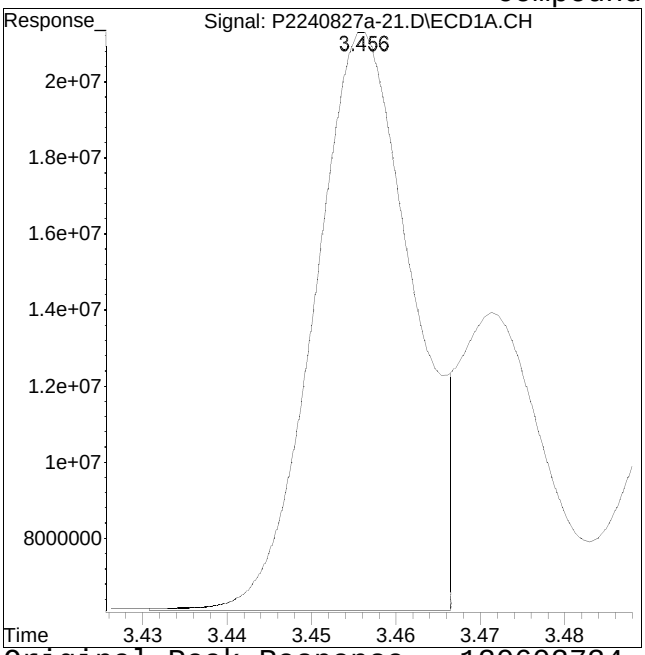


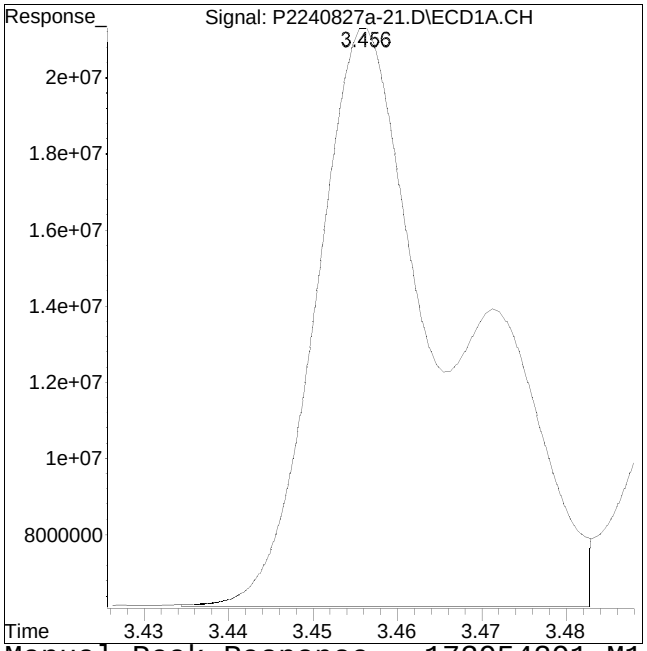
Original Peak Response = 88581198 Manual Peak Response = 84628465 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-21.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:02 Instrument : Pest 2
Sample : WG1963690-4,42,, ms Quant Date : 8/27/2024 2:20 pm

Compound #13: 1260-5





Original Peak Response = 120602734 Manual Peak Response = 173954291 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:11
Operator : pest2:meo
Sample : WG1963690-5,42,, msd
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:55 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Internal Standards						
1) i 1660_1br2nb	1.192	1.258	217.2E6	252.9E6	25.000M4	25.000
Standard Area 1 : #1 = 244804106				Recovery =	88.73%	
Standard Area 1 : #2 = 263722764				Recovery =	95.91%	
System Monitoring Compounds						
2) s 2,4,5,6-Tetr	1.474	1.628	199.0E6	220.3E6	14.224M4	14.413
Spiked Amount	20.000	Range 30 - 150		Recovery =	71.12%	72.06%
3) s Decachlorobi	4.040	4.549	174.5E6	179.9E6	17.100	17.627
Spiked Amount	20.000	Range 30 - 150		Recovery =	85.50%	88.13%
Target Compounds						
4) l1 1016-1	1.612	1.827	38002623	45333403	151.622M4	161.853
5) l1 1016-2	1.753	1.997	96847496	102.1E6	204.548	167.572
6) l1 1016-3	1.940	2.198	179.5E6	204.3E6	167.317	167.938
7) l1 1016-4	1.995	2.258	75546816	82272036	172.016	160.649
8) l1 1016-5	2.165	2.469	79604528	70325690	154.219M4	189.099
Sum 1016-1			469.5E6	504.3E6	849.721	847.111
Average 1016-1					169.944	169.422
9) l2 1260-1	2.708	3.077	107.4E6	137.8E6	160.496	200.855
10) l2 1260-2	2.838	3.179	162.4E6	151.5E6	163.248	169.727
11) l2 1260-3	3.153	3.571	101.2E6	130.3E6	166.073	180.328
12) l2 1260-4	3.308	3.700	222.5E6	260.6E6	170.438	182.443
13) l2 1260-5	3.456	3.901	164.0E6	189.5E6	169.557M1	180.048
Sum 1260-1			757.5E6	869.5E6	829.812	913.401
Average 1260-1					165.962	182.680
Sum 1221-2			0	0	N.D.	N.D.
Average 1221-2					0.000	0.000

Quantitation Report (QT Reviewed)

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:11
Operator : pest2:meo
Sample : WG1963690-5,42,, msd
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:55 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

CCAL FILE(s) : 1 - I:\PCB\Pest2\2024\240827a\P2240827a-04.D
Sub List : 1660 - 1660

Compound	RT#1	RT#2	Resp#1	Resp#2	ug/l	ug/l
Sum 1254-1			0	0	N.D.	N.D.
Average 1254-1					0.000	0.000
Sum 1242-1			0	0	N.D.	N.D.
Average 1242-1					0.000	0.000
Sum 1268-1			0	0	N.D.	N.D.
Average 1268-1					0.000	0.000
Sum 1248-1			0	0	N.D.	N.D.
Average 1248-1					0.000	0.000
Sum 1232-1			0	0	N.D.	N.D.
Average 1232-1					0.000	0.000
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000
SemiQuant Compounds - Not Calibrated on this Instrument						
Sum 1262-1			0	0	N.D.	N.D.
Average 1262-1					0.000	0.000

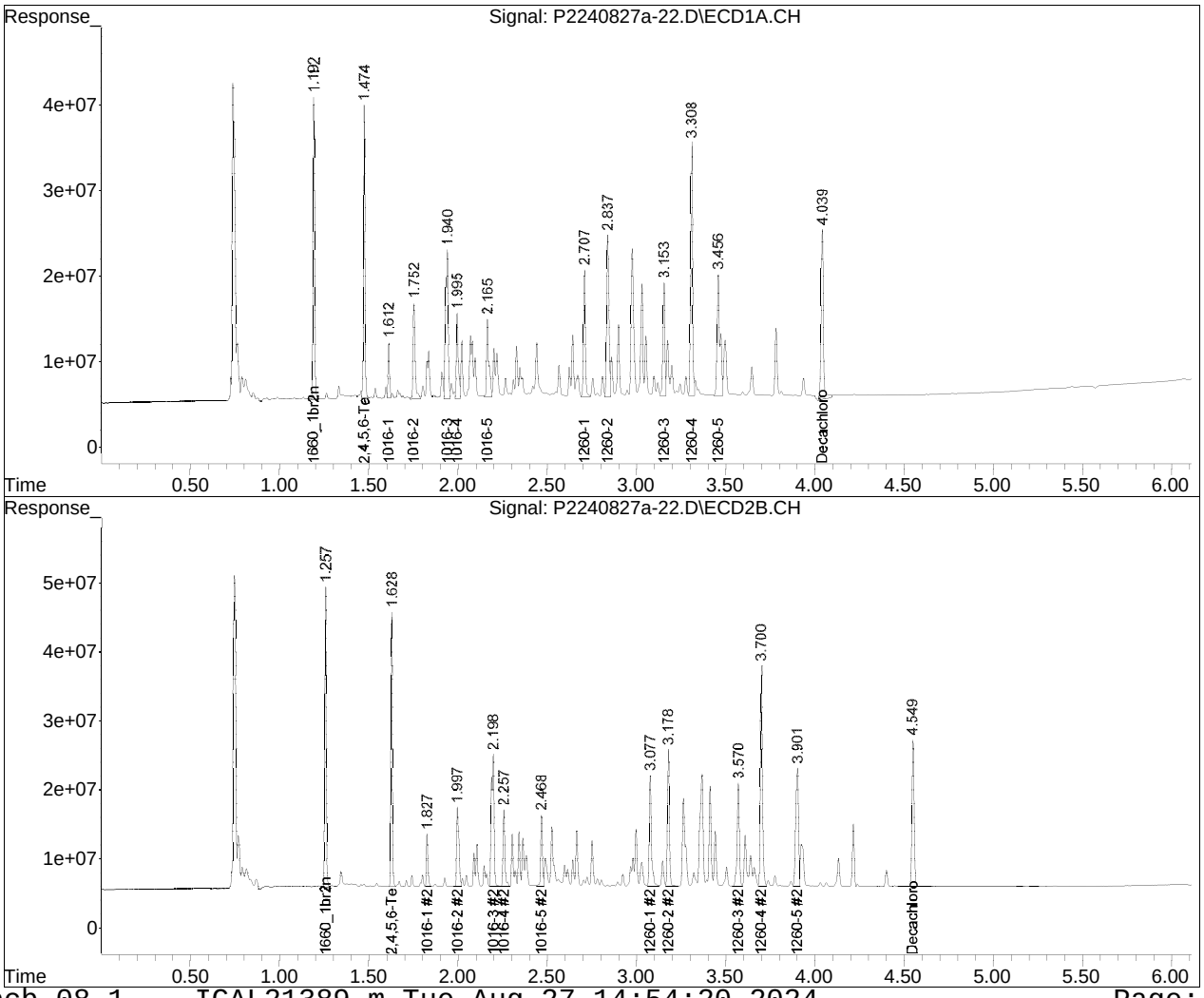
(f)=RT Delta > 1/2 Window (D)=Amounts differ by > 40% (m)=manual int.

Sub List : 1660 - 1660Pest2\2024\240827a\P2240827a-04.D•

Data Path : I:\PCB\Pest2\2024\240827a\
Data File : P2240827a-22.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 27 Aug 2024 14:11
Operator : pest2:meo
Sample : WG1963690-5,42,, msd
Misc : WG1964276,WG1963690,ical21389
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: events.e
Integration File signal 2: events2.e
Quant Time: Aug 27 14:20:55 2024
Quant Method : I:\PCB\Pest2\2024\240827A\P2_pcb_08_13_24_LVI_4ppb_ugL_ICAL2
... 1389.m
Quant Title : pcb
QLast Update : Tue Aug 13 13:35:50 2024
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

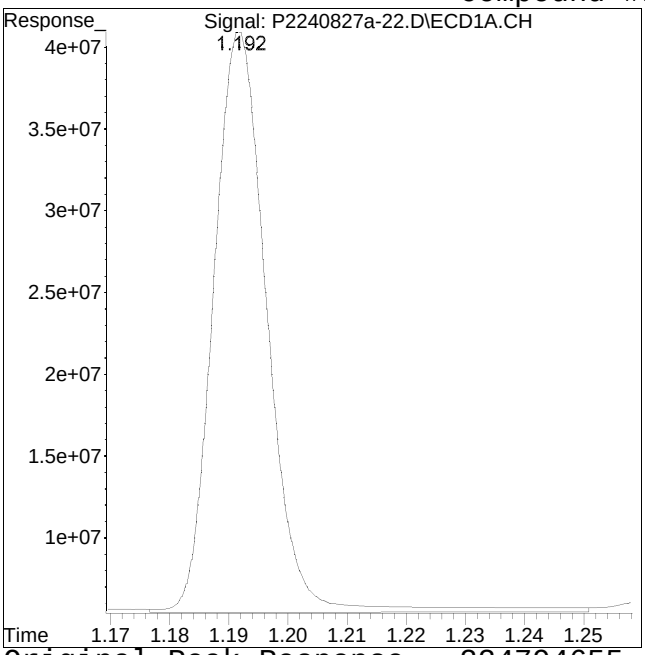
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

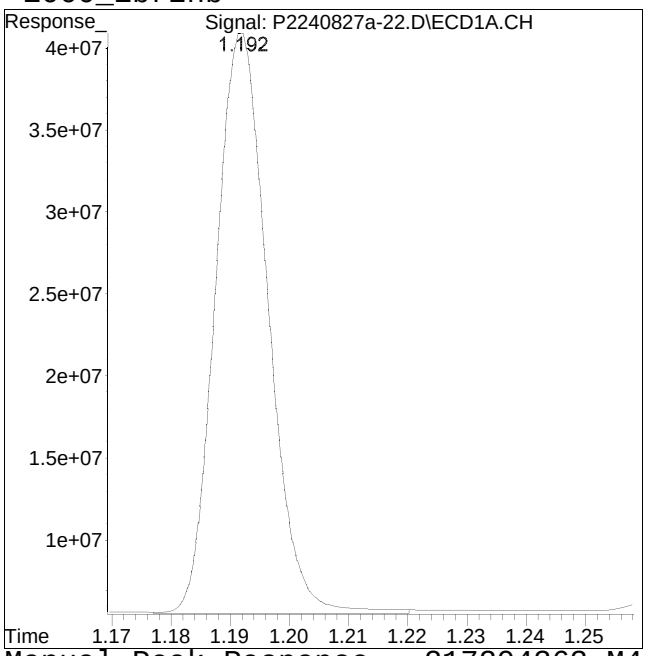


Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-22.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:11 Instrument : Pest 2
Sample : WG1963690-5,42,, msd Quant Date : 8/27/2024 2:20 pm

Compound #1: 1660_1br2nb



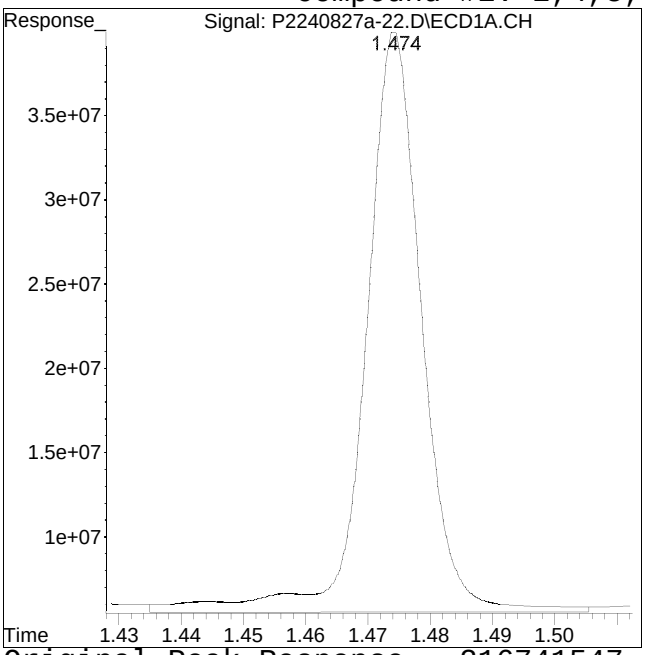


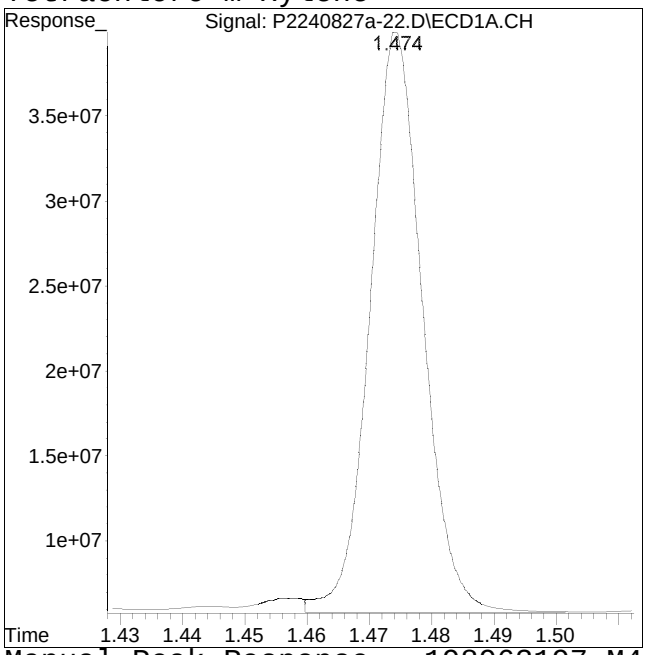
Original Peak Response = 224794655 Manual Peak Response = 217204363 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-22.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:11 Instrument : Pest 2
Sample : WG1963690-5,42,, msd Quant Date : 8/27/2024 2:20 pm

Compound #2: 2,4,5,6-Tetrachloro-m-xylene



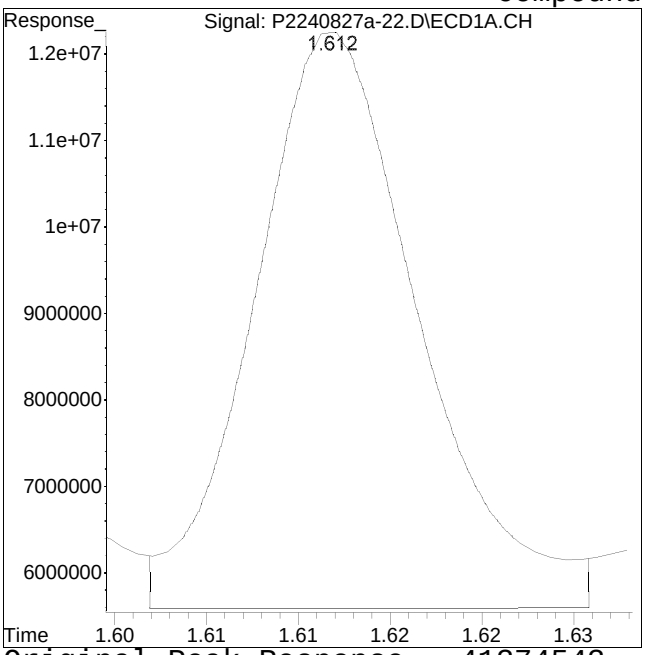


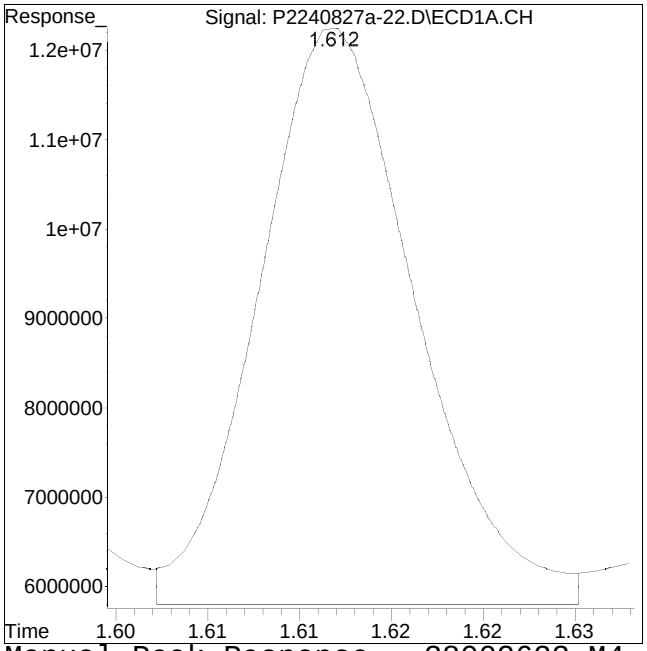
Original Peak Response = 216741547 Manual Peak Response = 198963197 M4
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-22.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:11 Instrument : Pest 2
Sample : WG1963690-5,42,, msd Quant Date : 8/27/2024 2:20 pm

Compound #4: 1016-1



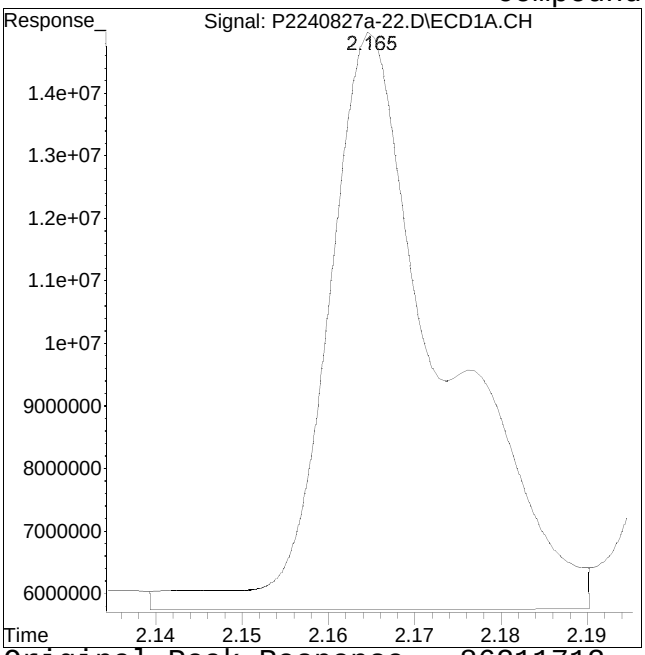


Original Peak Response = 41374543 Manual Peak Response = 38002623 M4
M4 = Poor automated baseline construction.

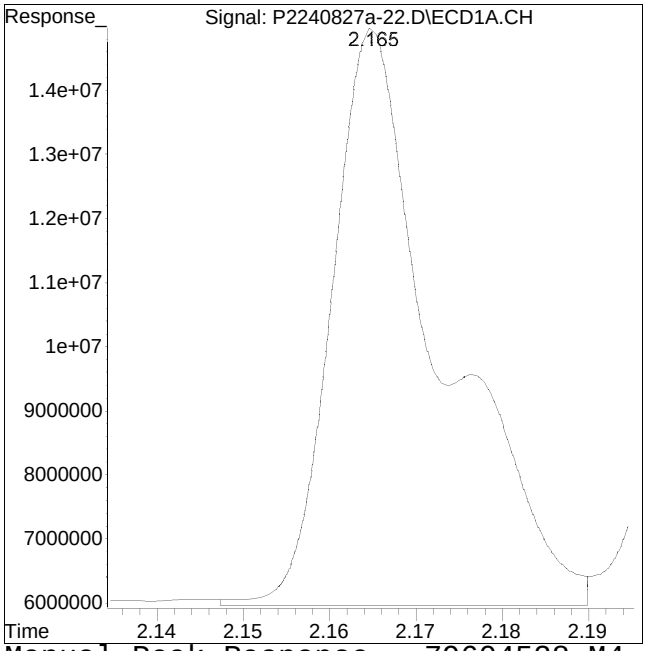
Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-22.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:11 Instrument : Pest 2
Sample : WG1963690-5,42,, msd Quant Date : 8/27/2024 2:20 pm

Compound #8: 1016-5



Original Peak Response = 86211712



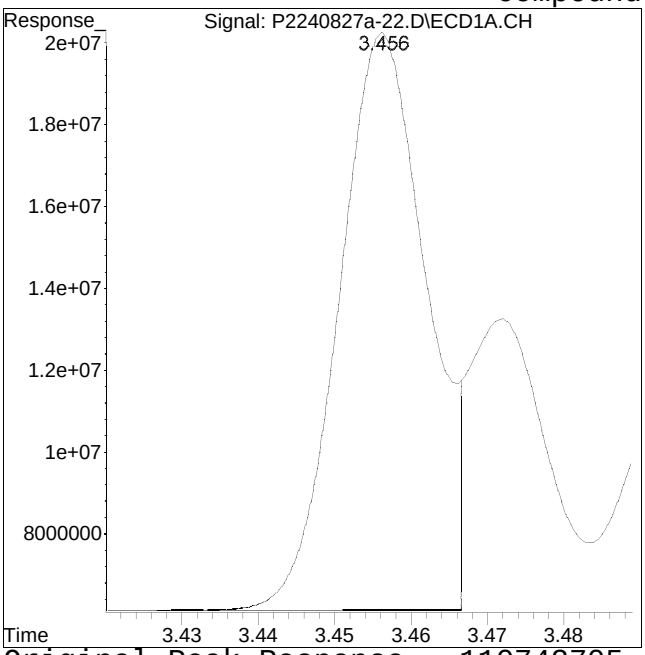
Manual Peak Response = 79604528 M4

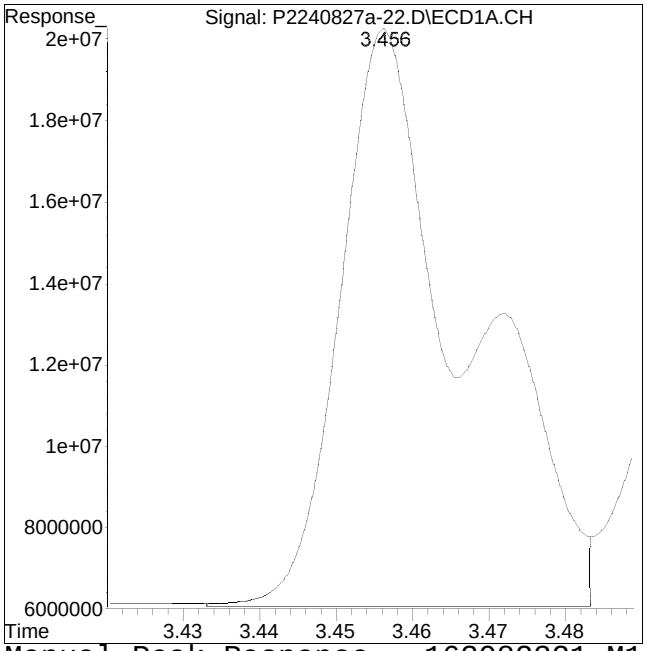
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\PCB\Pest2\2024\240827a\QMethod : P2_pcb_08_13_24_LVI_4ppb
Data File : P2240827a-22.D Operator : pest2:meo
Date Inj'd : 8/27/2024 14:11 Instrument : Pest 2
Sample : WG1963690-5,42,, msd Quant Date : 8/27/2024 2:20 pm

Compound #13: 1260-5





Original Peak Response = 110742705 Manual Peak Response = 163982321 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Calculation of PCB Aroclors & Pesticides

Aqueous Concentration Formula:
Amt * DF*(Vt/Vp)*(1000/Vo)*(Ve/1000)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Vo = Volume of Sample (mL)
Ve = Extraction Lab Final Volume (mL)

Soil Concentration Formula:
Amt * DF * (Vt/Vp)*(1000/Wt)*(Ve/1000)* (100/TS)

Where:
DF = Dilution Factor
Vt = Extract Final Volume (mL)
Vp = Aliquot Cleaned (mL)
Wt = Weight of Sample (g)
Ve = Extraction Lab Final Volume (mL)
TS = Total Solids

Dep.: PCB
Inst: Pest_2
Date: **08/13/24**
Run: I

Method: 8082
GC: PCB LVI

Seq: WG1958782
IS: pp11567

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240813i-01	blank				
1	P2240813i-02	blank				
1	P2240813i-03	blank				
1	P2240813i-04	blank				
2	P2240813i-05	il54268,42e,,pp 11644 L250LVI				RMP 8/13
3	P2240813i-06	il53262,42e,,pp 11646 L250LVI				RMP 8/13
4	P2240813i-07	il51248,42e,,pp 11648 L250LVI				RMP 8/13
5	P2240813i-08	il52154,42e,,pp 11650 L250LVI				RMP 8/13
6	P2240813i-09	il11660,42e,,pp 11664 L4LVI				RMP 8/13
7	P2240813i-10	il21660,42e,,pp 11664 L10LVI				RMP 8/13
8	P2240813i-11	il31660,42e,,pp 11664 L50LVI				RMP 8/13
9	P2240813i-12	il41660,42e,,pp 11664 L100LVI				RMP 8/13
10	P2240813i-13	il51660,42e,,pp 11664 L250LVI				RMP 8/13
11	P2240813i-14	il61660,42e,,pp 11664 L500LVI				RMP 8/13
12	P2240813i-15	il71660,42e,,pp 11664 L1000LVI				RMP 8/13
13	P2240813i-16	cicv4268,42,,pp11623				RMP 8/13
14	P2240813i-17	cicv3262,42,,pp11622				RMP 8/13
15	P2240813i-18	cicv1248,42,,pp11620				RMP 8/13
16	P2240813i-19	cicv2154,42,,pp11619				RMP 8/13
17	P2240813i-20	cicv1660,42,,pp11621			emr	RMP 8/13

Dep.: PCB
Inst: Pest_2
Date: **08/26/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1963798
IS: pp11567

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240826a-01	blank				
1	P2240826a-02	blank				
1	P2240826a-03	blank				
4	P2240826a-04	+1660 lvi icv,,,pp 11621	15% 8:42 798-1 sdc			meo 8/27
5	P2240826a-05	blank				
6	P2240826a-06	+2154 lvi icv,,,pp 11619	54 pass, 21 low			
7	P2240826a-07	+1248 lvi icv,,,pp 11620	pass			
8	P2240826a-08	+4268 lvi icv,,,pp 11623	42 pass, 68 high			
9	P2240826a-09	blank				
10	P2240826a-10	L2448509-05,42,,,R3A		EMR		meo 8/27
11	P2240826a-11	L2448509-06,42,,,R3A				meo 8/27
12	P2240826a-12	L2448509-10,42,,,R3A				meo 8/27
13	P2240826a-13	L2448509-11,42,,,R3A				meo 8/27
14	P2240826a-14	L2448509-12,42,,,R3A				meo 8/27
15	P2240826a-15	L2448509-13,42,,,R3A			sdc	meo 8/27
16	P2240826a-16	blank				
17	P2240826a-17	sevap k contamination test				
18	P2240826a-18	sevap h contamination test			EMR	
19	P2240826a-19	WG1963839-1,42,, 840 lan		AD		meo 8/27
20	P2240826a-20	WG1963839-2,42,, 840 lan				meo 8/27
21	P2240826a-21	WG1963839-3,42,, 840 lan				meo 8/27
22	P2240826a-22	L2446853-01,42,, re				meo 8/27
23	P2240826a-23	L2446876-01,42,, re				meo 8/27
24	P2240826a-24	L2446876-02,42,, re				meo 8/27
25	P2240826a-25	L2446876-03,42,, re				meo 8/27
26	P2240826a-26	L2447479-01,42,, lan				meo 8/27
27	P2240826a-27	WG1963635-1,42,,				meo 8/27
28	P2240826a-28	WG1963635-2,42,,				meo 8/27
29	P2240826a-29	WG1963635-3,42,,				meo 8/27
30	P2240826a-30	L2448181-01,42,,,R3C				meo 8/27
31	P2240826a-31	L2447483-03,42,,				meo 8/27
32	P2240826a-32	L2447483-06,42,,				meo 8/27
33	P2240826a-33	L2448354-01,42,,,R3C				meo 8/27
34	P2240826a-34	L2422662-120,42,, p				meo 8/27
35	P2240826a-35	WG1963635-4,42,, ms				meo 8/27
36	P2240826a-36	WG1963635-5,42,, dup				meo 8/27
37	P2240826a-37	WG1963690-1,42,,				meo 8/27
38	P2240826a-38	WG1963690-2,42,,				meo 8/27
39	P2240826a-39	WG1963690-3,42,,				meo 8/27
40	P2240826a-40	+1660 lvi icv,,,pp 11621	20% 20:47 pm			meo 8/27
41	P2240826a-41	+2154 lvi icv,,,pp 11619	pass			
42	P2240826a-42	+1248 lvi icv,,,pp 11620	pass			
43	P2240826a-43	+4268 lvi icv,,,pp 11623	pass			
44	P2240826a-44	L2447306-01,42,,			sdc	meo 8/27
45	P2240826a-45	L2447506-01,42,,				meo 8/27

Dep.: PCB
Inst: Pest_2
Date: **08/26/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1963798
IS: pp11567

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
46	P2240826a-46	L2447506-02,42,,				meo 8/27
47	P2240826a-47	L2447506-03,42,,			SDC	meo 8/27
48	P2240826a-48	L2447342-01,42,,				meo 8/27
49	P2240826a-49	L2447507-01,42,,			AD	meo 8/27

Dep.: PCB
Inst: Pest_2
Date: **08/27/24**
Run: a

Method: 8082
GC: PCB LVI

Seq: wg1964276
IS: pp11660

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
1	P2240827a-01	blank				
1	P2240827a-02	blank				
1	P2240827a-03	blank				
4	P2240827a-04	+1660 lvi icv,,,pp 11621	15% 7:41 sdc			meo 8/27
5	P2240827a-05	blank				
6	P2240827a-06	+2154 lvi icv,,,pp 11619	21 low 54 pass			
7	P2240827a-07	+1248 lvi icv,,,pp 11620	pass			
8	P2240827a-08	+4268 lvi icv,,,pp 11623	pass			
9	P2240827a-09	blank				
10	P2240827a-10	L2447483-10,42,,		meo		meo 8/27
11	P2240827a-11	L2447483-01,42,,				meo 8/27
12	P2240827a-12	L2447815-05,42,,			mhg	meo 8/27
13	P2240827a-13	blank				
14	P2240827a-14	L2447503-01,42,,				meo 8/27
15	P2240827a-15	L2447503-02,42,,				meo 8/27
16	P2240827a-16	L2447503-03,42,,				meo 8/27
17	P2240827a-17	L2447503-04,42,,				meo 8/27
18	P2240827a-18	L2447503-05,42,,				meo 8/27
19	P2240827a-19	L2447503-06,42,,				meo 8/27
20	P2240827a-20	L2447503-07,42,, p				meo 8/27
21	P2240827a-21	WG1963690-4,42,, ms				meo 8/27
22	P2240827a-22	WG1963690-5,42,, msd				meo 8/27
23	P2240827a-23	L2447503-08,42,,				meo 8/27
24	P2240827a-24	L2447503-09,42,,				meo 8/27
25	P2240827a-25	L2447503-10,42,,				meo 8/27
26	P2240827a-26	L2447503-11,42,,				meo 8/27
27	P2240827a-27	L2447501-01,42,,				meo 8/27
28	P2240827a-28	L2447501-02,42,,				meo 8/27
29	P2240827a-29	+1660 lvi icv,,,pp 11621			rmp	

ALPHA ANALYTICAL LABORATORIES, INC.

Alpha WORK GROUP REPORT (wk02)

Aug 27 2024, 04:49 pm

Work Group: WG1963690 for Department: 2 Organic Preparation

Created: 26-AUG-24 Due: Operator: FMM

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2447306-01	HOLMES-TYPE II	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	NC	Amber-A.120
L2447342-01	MWN-95A	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-01	MW-1S	S	NYTCL-8082-LVI	WATER	DONE	U	0819	0827	S0	Amber-A.120
L2447503-02	MW-2S	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-03	MW-3S	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-04	MW-4D	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-05	MW-5S	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-06	MW-6D	S	NYTCL-8082-LVI	WATER	DONE	U	0819	0827	S0	Amber-A.120
L2447503-07	MW-7S	S	NYTCL-8082-LVI	WATER	DONE	U	0819	0827	S0	Amber-A.120
L2447503-08	MW-8S	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-09	DUP	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-10	FIELD BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447503-11	EQUIPMENT BLANK	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447506-01	HRP-MW3-082024	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447506-02	HRP-MW5A-082024	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447506-03	HRP-MW1-082024	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	S0	Amber-A.120
L2447507-01	MAHWAH RO-TYPE II	S	NYTCL-8082-LVI	WATER	DONE	U	0820	0827	NC	Amber-A.120
WG1963690-1	Laboratory Method Bl	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1963690-2	Laboratory Control S	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1963690-3	LCS Duplicate	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1963690-4	Matrix Spike	S	NYTCL-8082-LVI	WATER	DONE	U				
WG1963690-5	Matrix Spike Duplica	S	NYTCL-8082-LVI	WATER	DONE	U				

Comments:

WG1963690-3	WG1963690-2
WG1963690-4	L2447503-07
WG1963690-5	L2447503-07

ORGANIC ELN REPORT

Workgroup: WG1963690

Prep Method: EPA 3510C
Solvent Type: DCM **Lot #:** EJ049
Surrogate Type: Pesticide/PCB **Lot #:** PP11723ah,02/06/2025,7c,5,4
Spike Type: PCB **Lot #:** PP11557ab,09/11/2024,6l,5,1
Spike Verify by: FMM
Lims Spikelot: PCB-LVI

Additional Reagents/Stds

Na2SO4	23K2961078

Conc.Method: S-EVAP/N-EVAP
Solvent Type: Hexane
Lot #: EI962

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1: EPA 3665A
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI962

Additional Reagents/Stds

H2SO4	2024071607

Cleanup 2

Cleanup Method 1: EPA 3660B
Cleanup Method 2:
Solvent Type: Hexane **Lot #:** EI962

Additional Reagents/Stds

Copper	2401cpg001

Cleanup 3

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Cleanup 4

Cleanup Method 1:
Solvent Type: **Lot #:**

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447306-01 SAMP	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
L2447342-01 WATER	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
L2447503-01 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-02 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1

Reported: 27-AUG-24 04:49 PM

ORGANIC ELN REPORT

Workgroup: WG1963690

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2447503-03 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-04 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-05 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-06 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-07 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-08 SAMP	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-09 SAMP	08/27/24 02:30	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447503-10 SAMP	08/27/24 02:30	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1963690

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2447503-11 SAMP	08/27/24 02:30	Francis Mbro-Menyah	140	>5,<9	.1		08/27/24 09:45	Priscilla Anim	5	C / A / #1
L2447506-01 SAMP	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
L2447506-02 SAMP	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
L2447506-03 SAMP	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
L2447507-01 SAMP	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
WG1963690-1 BLANK	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1		08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
WG1963690-2 LCS	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1	.1	08/26/24 09:05	Tian-Long Chheou	5	H, K, 3
WG1963690-3 LCSD	08/26/24 04:38	Francis Mbro-Menyah	140	>5,<9	.1	.1	08/26/24 09:05	Tian-Long Chheou	5	H, K, 3

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Workgroup: WG1963690

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
WG1963690-4 MS	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1	.1	08/27/24 09:45	Priscilla Anim	5	C / A / #1
WG1963690-5 MSD	08/27/24 02:29	Francis Mbro-Menyah	140	>5,<9	.1	.1	08/27/24 09:45	Priscilla Anim	5	C / A / #1

ORGANIC ELN REPORT

Workgroup: WG1963690

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2447306-01 SAMP	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
L2447342-01 WATER	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
L2447503-01 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-02 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-03 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-04 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-05 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-06 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-07 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-08 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-09 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah

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Workgroup: WG1963690

Sample/ Type	Cleanup 1				Cleanup 2	
	Cleanup Date	Analyst	Pest Aliquot **ml**	Pest Final **ml**	Cleanup Date	Analyst
L2447503-10 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447503-11 SAMP	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
L2447506-01 SAMP	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
L2447506-02 SAMP	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
L2447506-03 SAMP	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
L2447507-01 SAMP	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
WG1963690-1 BLANK	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
WG1963690-2 LCS	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
WG1963690-3 LCSD	08/26/24 13:26	Grace Tran	5	1	08/26/24 16:22	Emelia Asabere
WG1963690-4 MS	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah
WG1963690-5 MSD	08/27/24 09:57	Martha Ansah	5	1	08/27/24 11:54	Martha Ansah

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